

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
 Data File : BF077752.D
 Acq On : 16 Mar 2015 14:33
 Operator : TP/IZ
 Sample : G1412-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4(7.0-7.5)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.321	35	38	40	rBV	2234773	2478946	11.64%	0.532%
2	5.424	392	397	399	rBV2	994933	2529441	11.87%	0.543%
3	5.733	422	424	430	rVB2	944330	1563757	7.34%	0.336%
4	5.836	430	433	435	rBV	3089609	3519015	16.52%	0.755%
5	6.122	455	458	461	rVB2	872848	1736156	8.15%	0.373%
6	6.259	467	470	473	rVB3	1921267	3743697	17.57%	0.803%
7	6.499	486	491	494	rBV4	1051627	2530502	11.88%	0.543%
8	6.590	494	499	500	rBV3	2592409	5352553	25.12%	1.149%
9	6.613	500	501	505	rVB2	1782762	3279803	15.39%	0.704%
10	6.693	505	508	510	rBV	2941474	3470567	16.29%	0.745%
11	6.739	510	512	515	rBV2	1469376	2181792	10.24%	0.468%
12	6.796	515	517	520	rVB2	1124858	1926702	9.04%	0.413%
13	6.865	520	523	524	rBV	1252522	2624594	12.32%	0.563%
14	6.887	524	525	528	rVB3	1541383	1618485	7.60%	0.347%
15	6.967	530	532	533	rBV	3760143	3707467	17.40%	0.796%
16	7.013	533	536	538	rVB	6014722	8970147	42.10%	1.925%
17	7.128	540	546	548	rBV	1353213	2754960	12.93%	0.591%
18	7.219	552	554	556	rBV2	3305755	3729048	17.50%	0.800%
19	7.276	558	559	564	rVB4	843757	1584126	7.44%	0.340%
20	7.368	564	567	573	rVB5	2925317	7518280	35.29%	1.613%
21	7.493	576	578	580	rBV3	1257921	2038487	9.57%	0.437%
22	7.528	580	581	584	rVB2	2366198	4314971	20.25%	0.926%
23	7.585	584	586	588	rBV	4683829	4898578	22.99%	1.051%
24	7.630	588	590	591	rBV	2411940	2360938	11.08%	0.507%
25	7.688	591	595	598	rVB3	2967225	7095400	33.30%	1.523%
26	7.768	598	602	603	rBV	1857092	2542147	11.93%	0.546%
27	7.848	606	609	613	rBV4	2336133	5542019	26.01%	1.189%
28	7.962	616	619	621	rBV	6673344	12442539	58.40%	2.670%
29	7.996	621	622	624	rVB2	2740797	3056397	14.35%	0.656%
30	8.088	627	630	632	rVB	1878723	2503095	11.75%	0.537%
31	8.145	632	635	636	rVB2	1625446	1755092	8.24%	0.377%
32	8.179	636	638	641	rVB	5104741	5499838	25.81%	1.180%
33	8.316	646	650	652	rBV4	3350927	7132235	33.48%	1.531%
34	8.362	652	654	656	rVB	3164194	3437154	16.13%	0.738%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
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35	8.408	656	658	660	rBV3	2045946	4071433	19.11%	0.874%
36	8.442	660	661	663	rVB2	4539709	6072967	28.50%	1.303%
37	8.499	663	666	668	rVB2	5379896	7235927	33.96%	1.553%
38	8.545	668	670	674	rBV3	4108132	9201182	43.19%	1.975%
39	8.625	674	677	678	rBV	1409381	1773542	8.32%	0.381%
40	8.728	683	686	687	rBV3	2661559	4925303	23.12%	1.057%
41	8.796	687	692	698	rVB4	6812388	21304983	100.00%	4.572%
42	8.888	698	700	703	rBV2	4635688	6244330	29.31%	1.340%
43	9.013	708	711	715	rVB4	2887785	4394313	20.63%	0.943%
44	9.105	718	719	721	rBV2	1227882	2143094	10.06%	0.460%
45	9.151	721	723	724	rVB2	2088127	2067162	9.70%	0.444%
46	9.196	724	727	728	rVB3	1967905	3778688	17.74%	0.811%
47	9.231	728	730	733	rBV2	3241094	6244225	29.31%	1.340%
48	9.276	733	734	737	rVB2	3138468	2988851	14.03%	0.641%
49	9.333	737	739	742	rBV3	5327599	8127644	38.15%	1.744%
50	9.402	742	745	747	rBV	3718801	4406752	20.68%	0.946%
51	9.448	747	749	752	rVB4	1423952	2595251	12.18%	0.557%
52	9.505	752	754	755	rBV2	986640	1671204	7.84%	0.359%
53	9.562	755	759	760	rBV	5944439	11337832	53.22%	2.433%
54	9.585	760	761	763	rVB	1721921	2065984	9.70%	0.443%
55	9.665	764	768	769	rVB2	4716611	9084047	42.64%	1.949%
56	9.711	769	772	773	rBV3	983163	1611131	7.56%	0.346%
57	9.779	775	778	779	rBV2	2727914	4638659	21.77%	0.995%
58	9.916	784	790	791	rBV5	2811878	6319085	29.66%	1.356%
59	9.951	791	793	796	rVV2	2211614	3497970	16.42%	0.751%
60	9.996	796	797	799	rVB2	3206347	2531167	11.88%	0.543%
61	10.042	799	801	802	rBV2	2441236	3484512	16.36%	0.748%
62	10.076	802	804	808	rVB2	4136962	6542264	30.71%	1.404%
63	10.271	815	821	822	rBV	5660738	12049892	56.56%	2.586%
64	10.305	822	824	825	rVV2	2080980	2588452	12.15%	0.555%
65	10.339	825	827	829	rVB3	1765966	2901977	13.62%	0.623%
66	10.385	829	831	833	rVB2	1055241	1719752	8.07%	0.369%
67	10.431	833	835	838	rBV2	3154104	6084673	28.56%	1.306%
68	10.534	840	844	845	rBV2	2845794	5221218	24.51%	1.120%
69	10.568	845	847	850	rVB2	3197966	6383382	29.96%	1.370%
70	10.648	850	854	855	rBV4	4179903	8226705	38.61%	1.765%
71	10.716	859	860	862	rBV2	1834003	1798125	8.44%	0.386%

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72	10.774	863	865	866	rVB	2024962	1846562	8.67%	0.396%
73	10.934	875	879	884	rBV5	5552073	15296555	71.80%	3.283%
74	11.082	890	892	895	rVB	1735262	2936428	13.78%	0.630%
75	11.208	899	903	904	rBV2	2583889	5056415	23.73%	1.085%
76	11.311	910	912	913	rVB	2967406	3177420	14.91%	0.682%
77	11.345	913	915	917	rBV2	1895739	2594117	12.18%	0.557%
78	11.459	920	925	926	rBV4	1800319	3911565	18.36%	0.839%
79	11.551	929	933	934	rBV	4731971	7892477	37.05%	1.694%
80	11.619	938	939	941	rVB2	1795488	1569688	7.37%	0.337%
81	11.665	941	943	945	rBV2	2014421	3557970	16.70%	0.764%
82	11.814	952	956	960	rVB3	3316057	6890011	32.34%	1.479%
83	11.905	962	964	965	rBV	1978019	2140657	10.05%	0.459%
84	12.145	981	985	992	rVB3	4719632	15020099	70.50%	3.223%
85	12.362	1001	1004	1006	rBV4	1613339	3967995	18.62%	0.852%
86	12.477	1012	1014	1017	rVV3	1574454	2524108	11.85%	0.542%
87	12.694	1030	1033	1034	rBV	4617605	8205937	38.52%	1.761%
88	12.728	1034	1036	1038	rVB	3820032	4460107	20.93%	0.957%
89	12.900	1049	1051	1052	rBV2	1310931	1825185	8.57%	0.392%
90	13.220	1075	1079	1082	rBV2	4365327	9674965	45.41%	2.076%
91	13.414	1093	1096	1097	rBV2	1853236	3200340	15.02%	0.687%
92	13.528	1105	1106	1108	rBV2	1321017	1932943	9.07%	0.415%
93	13.722	1120	1123	1125	rVB	4475937	7358568	34.54%	1.579%
94	13.791	1127	1129	1134	rVB4	1003401	2315401	10.87%	0.497%
95	13.905	1137	1139	1142	rBV3	868054	1802531	8.46%	0.387%
96	14.203	1162	1165	1167	rVB	4680457	5857850	27.50%	1.257%
97	14.363	1177	1179	1186	rVB4	625012	1689900	7.93%	0.363%
98	14.660	1202	1205	1207	rBV2	4316072	5351603	25.12%	1.148%
99	15.094	1241	1243	1245	rVB	2723276	3234485	15.18%	0.694%
100	15.517	1278	1280	1283	rVB	1711551	1935951	9.09%	0.415%

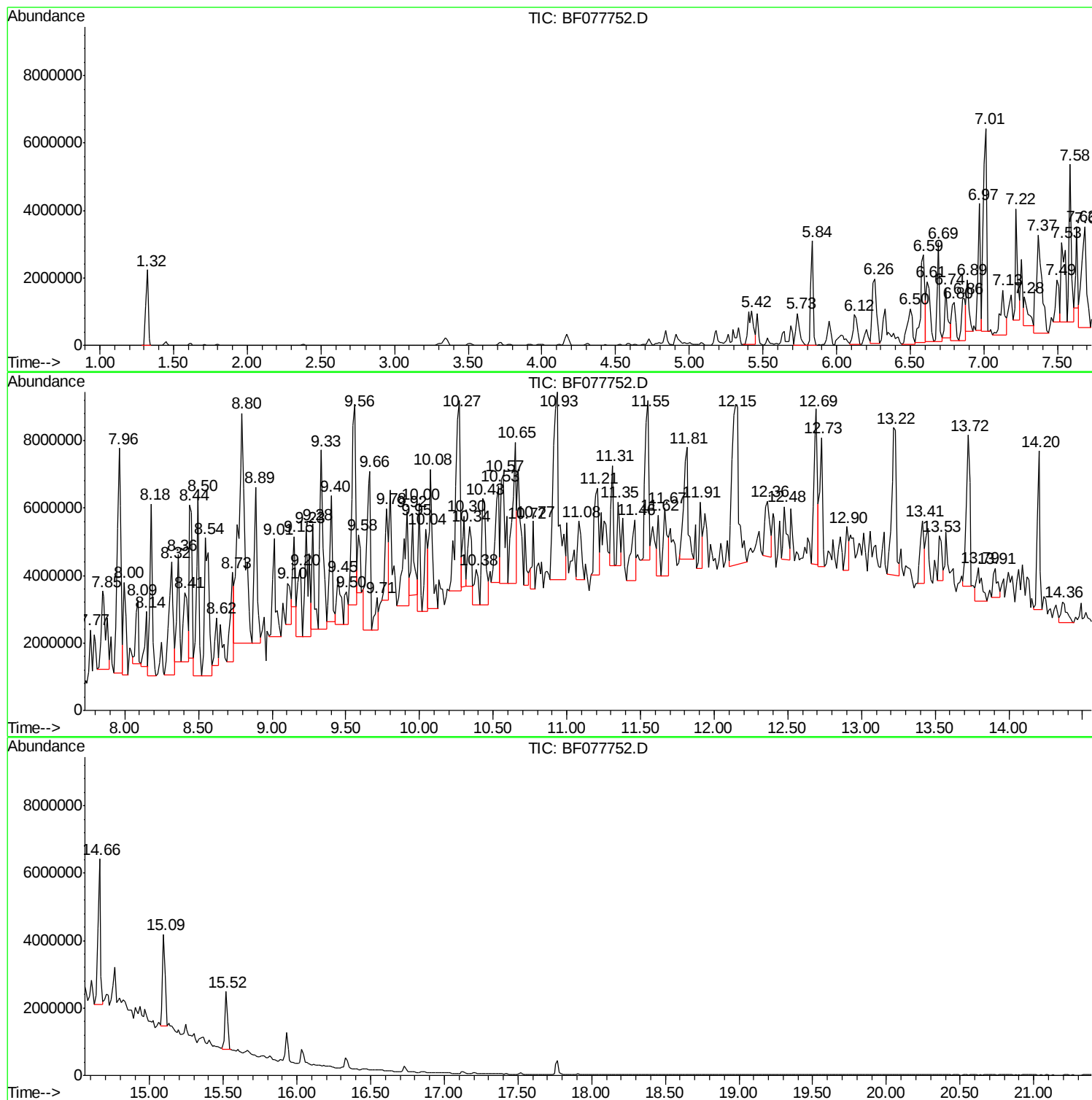
Sum of corrected areas: 466000439

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Instrument :
BNA_F
ClientSampled :
PE-4(7.0-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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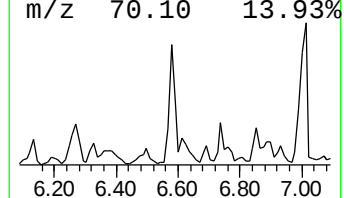
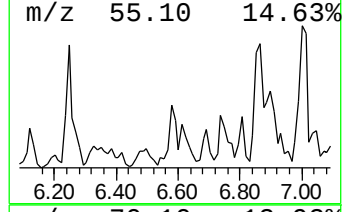
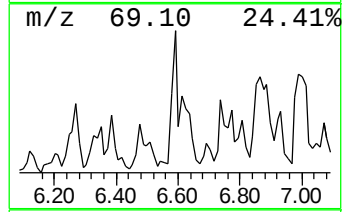
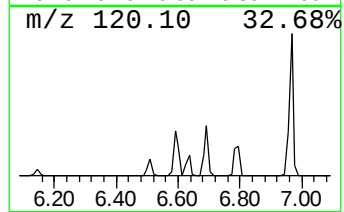
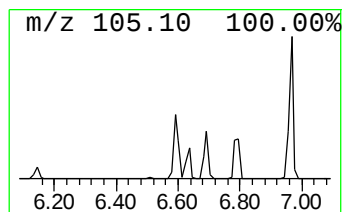
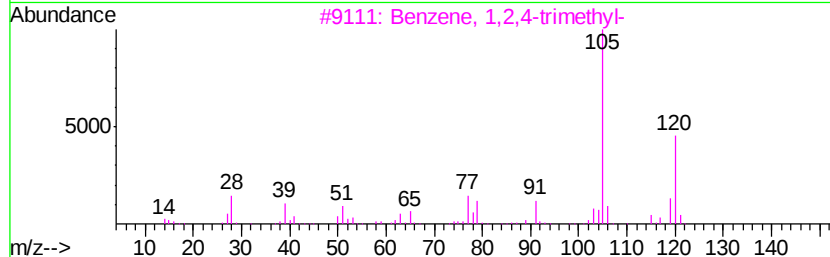
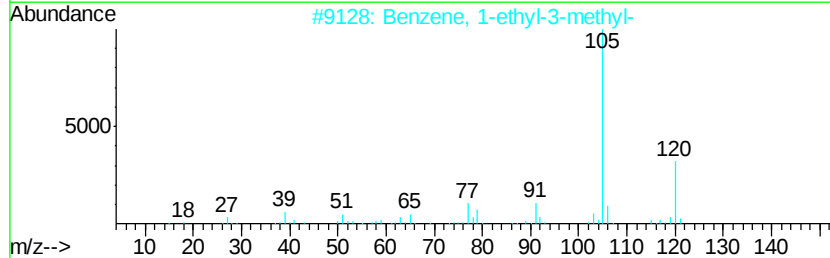
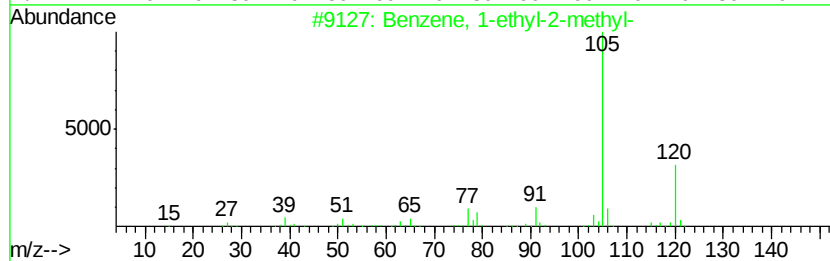
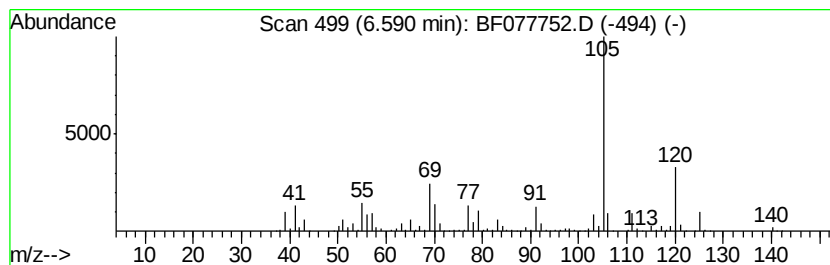
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	28.71 ng	5352550	1,4-Dichlorobenzene-d4	7.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
5		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	81



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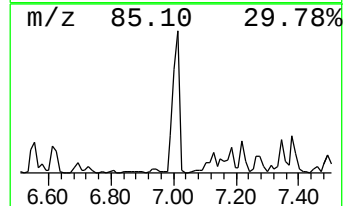
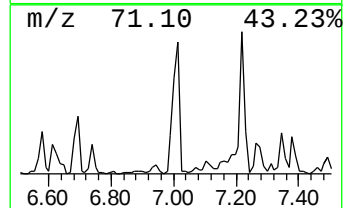
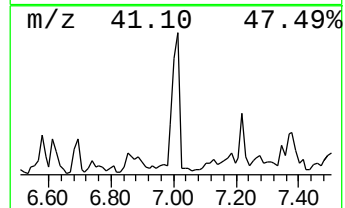
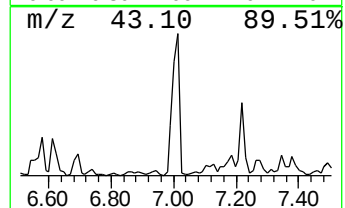
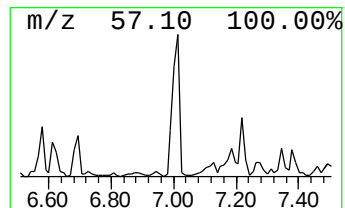
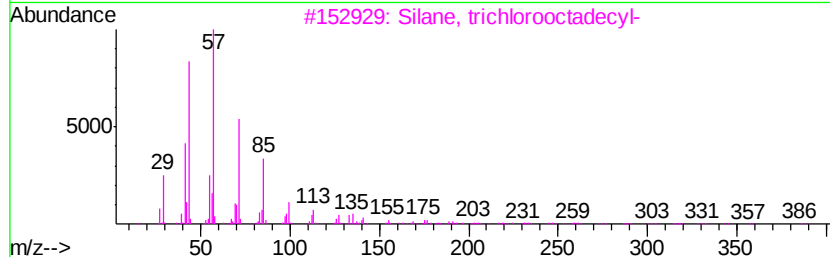
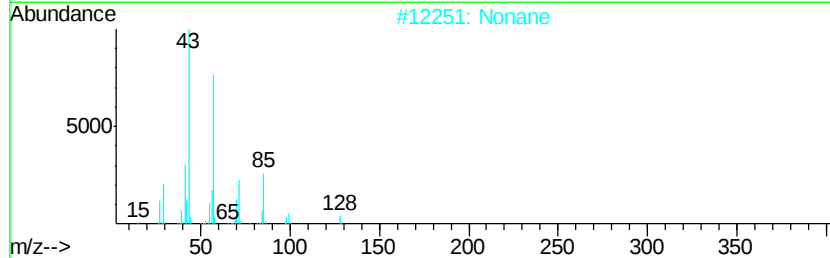
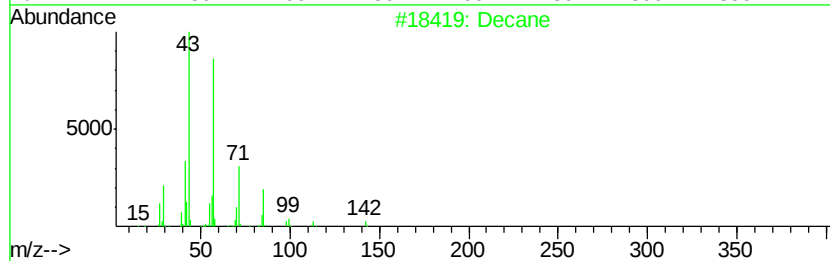
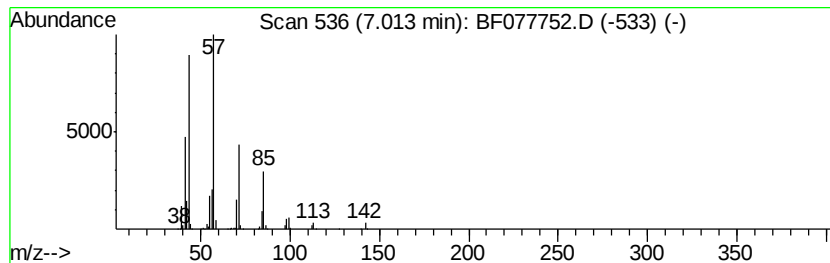
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	48.11 ng	8970150	1,4-Dichlorobenzene-d4	7.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	91
2		Nonane	128	C9H20	000111-84-2	80
3		Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	78
4		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72
5		Tridecane	184	C13H28	000629-50-5	72



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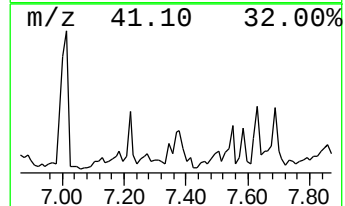
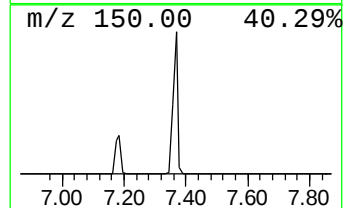
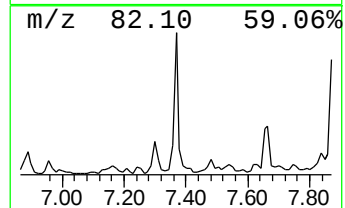
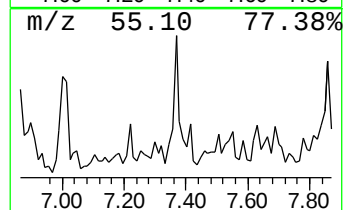
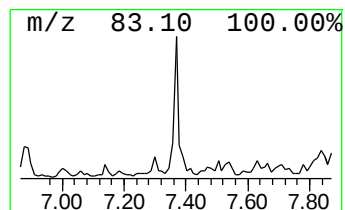
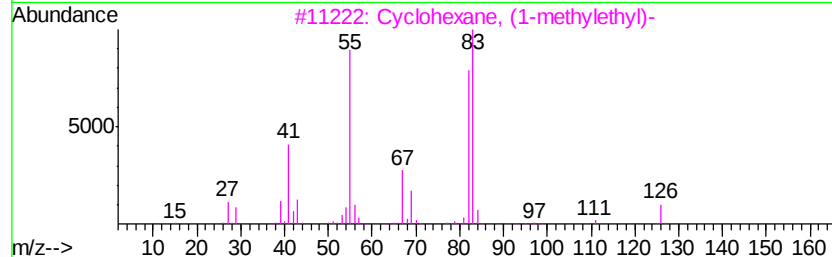
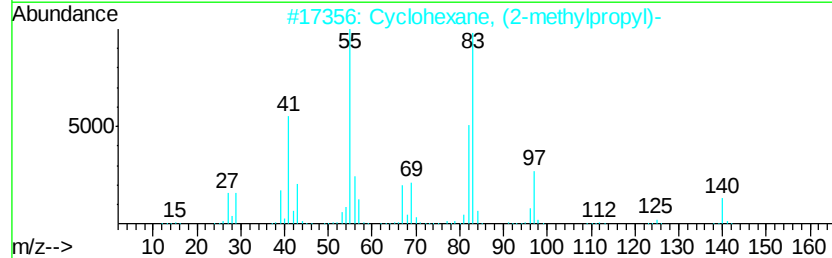
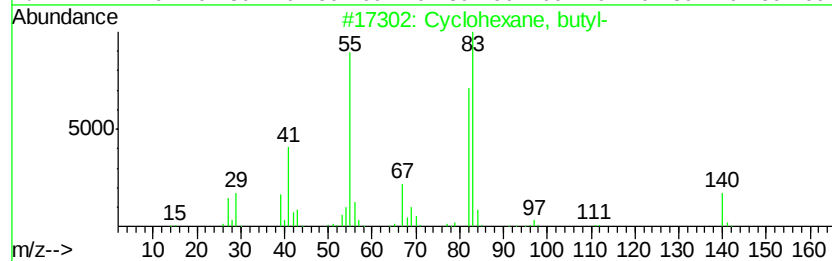
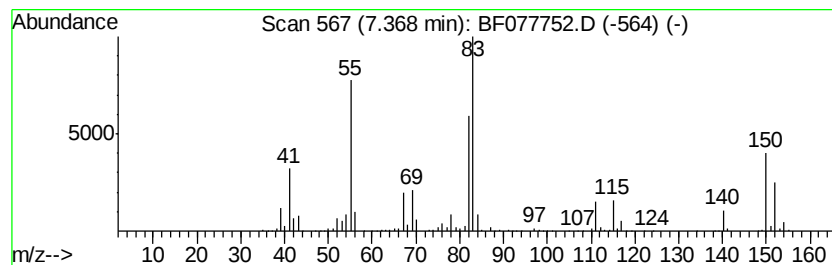
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	40.32 ng	7518280	1,4-Dichlorobenzene-d4	7.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	58
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	47
5		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-4(7.0-7.5)

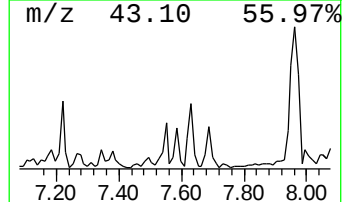
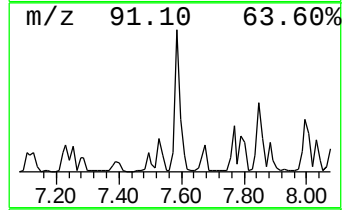
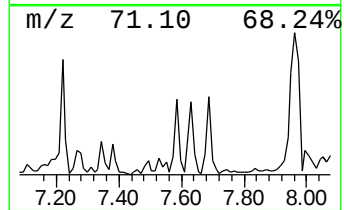
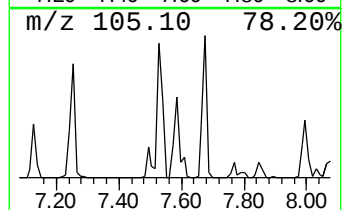
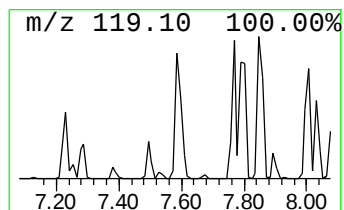
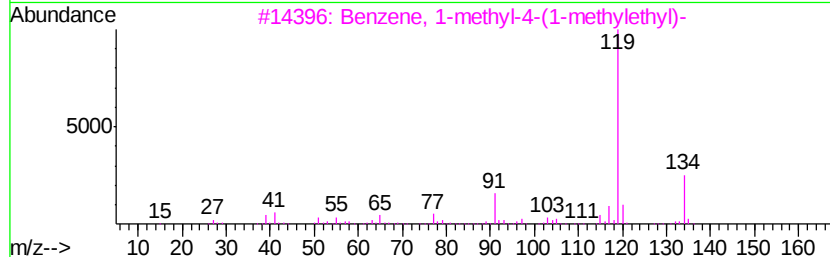
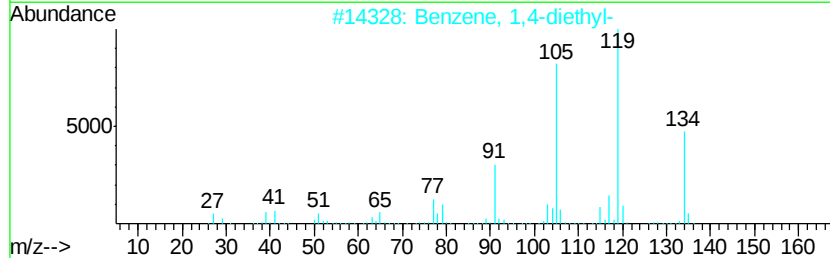
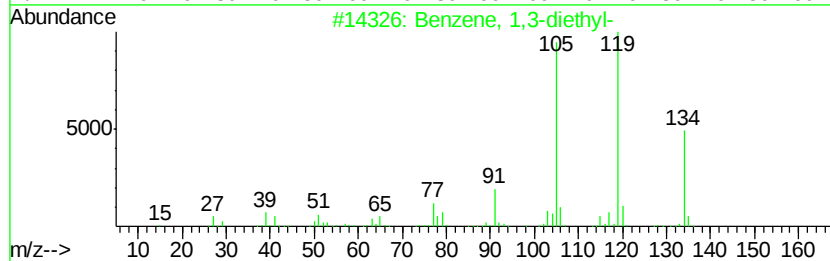
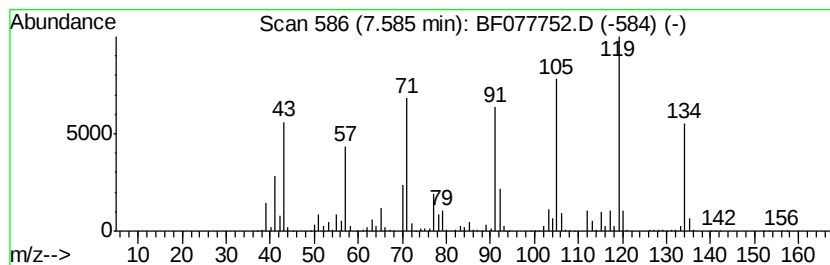
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	26.27 ng	4898580	1,4-Dichlorobenzene-d4	7.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-4(7.0-7.5)

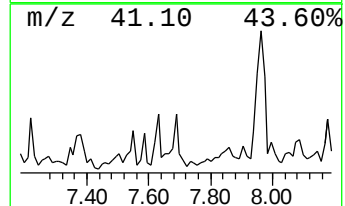
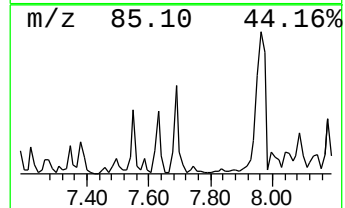
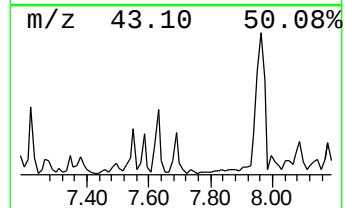
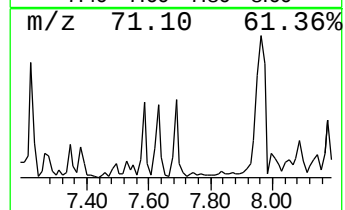
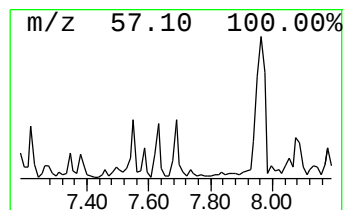
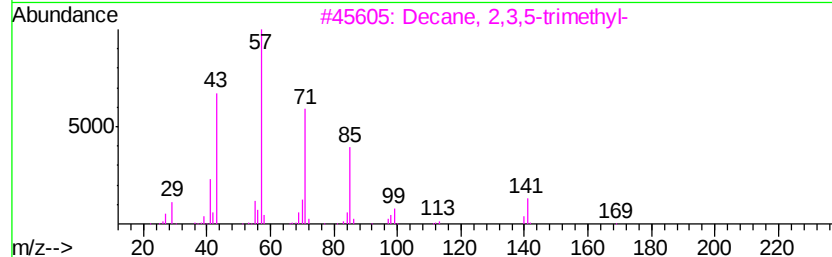
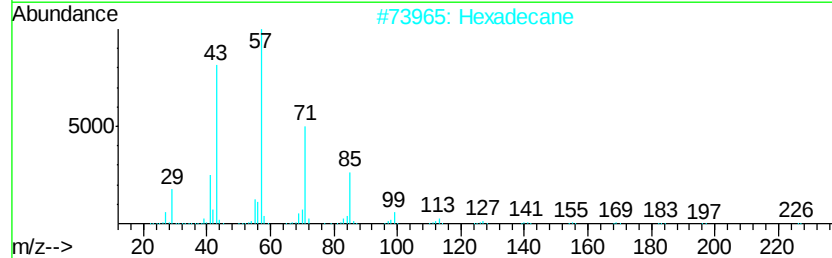
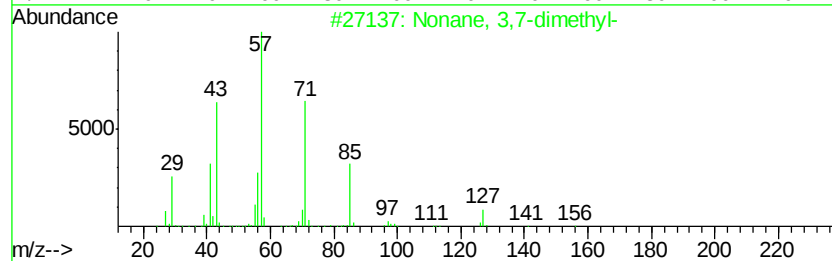
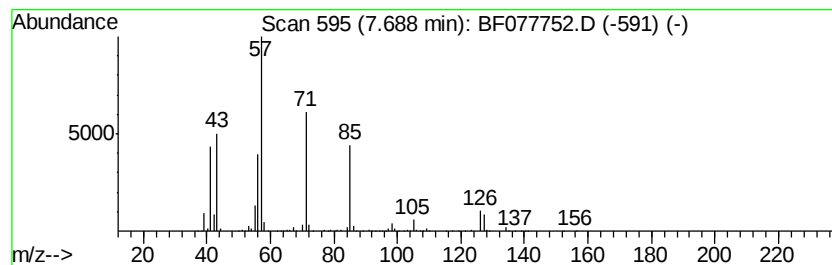
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Nonane, 3,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	38.05 ng	7095400	1,4-Dichlorobenzene-d4	7.18

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	87
2	Hexadecane		226	C16H34	000544-76-3	53
3	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	50
4	1-Iodoundecane		282	C11H23I	004282-44-4	50
5	Nonane, 5-(2-methylpropyl)-		184	C13H28	062185-53-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

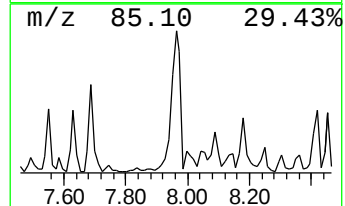
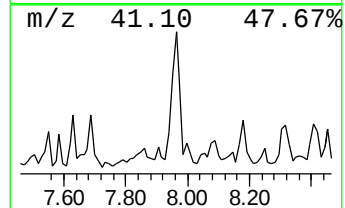
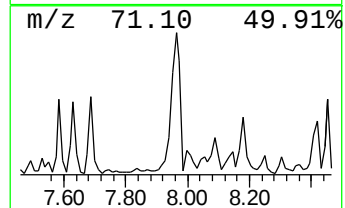
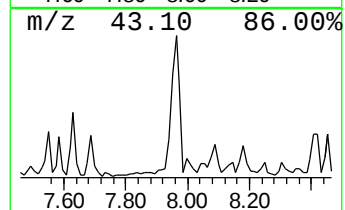
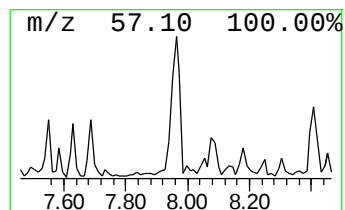
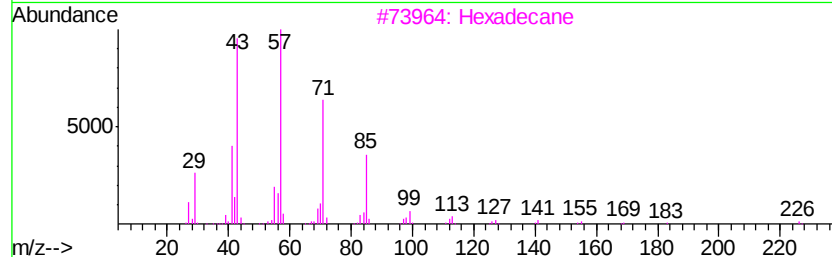
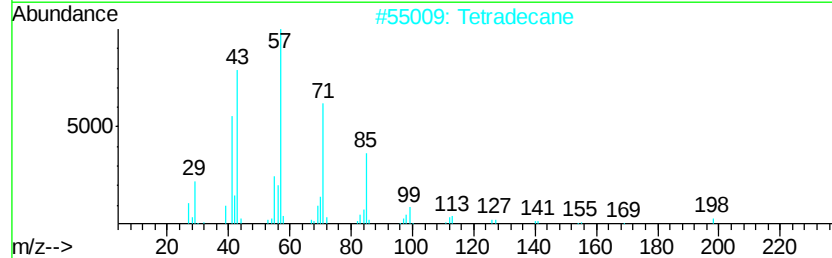
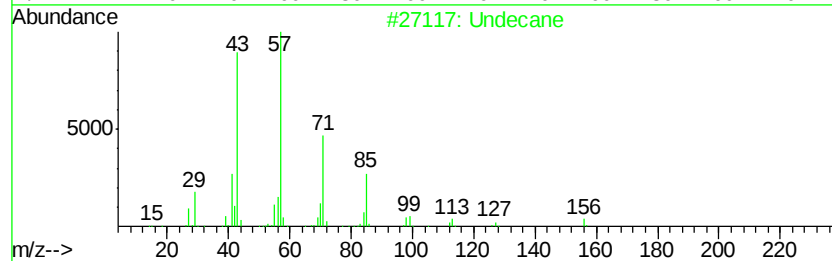
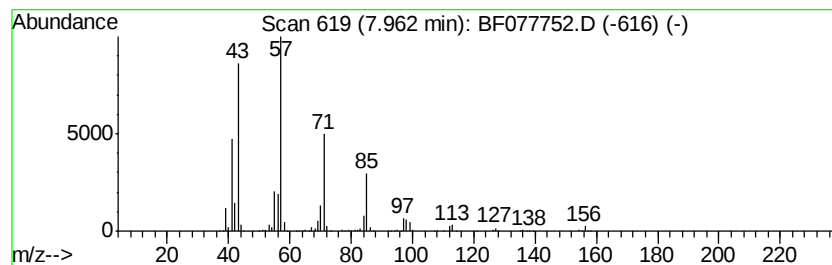
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	66.73 ng	12442500	1,4-Dichlorobenzene-d4	7.18

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	87
2	Tetradecane		198	C14H30	000629-59-4	83
3	Hexadecane		226	C16H34	000544-76-3	78
4	Decane		142	C10H22	000124-18-5	64
5	Tetradecane, 1-iodo-		324	C14H29I	019218-94-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

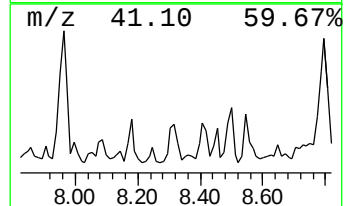
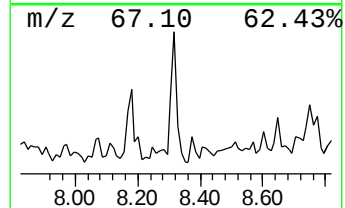
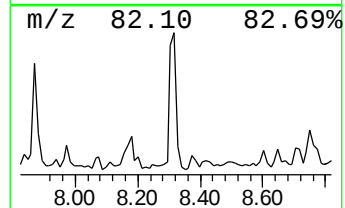
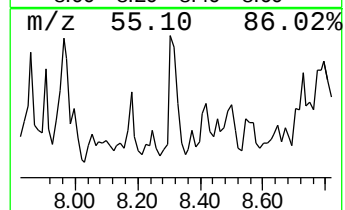
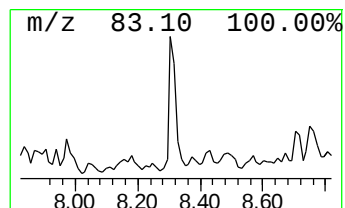
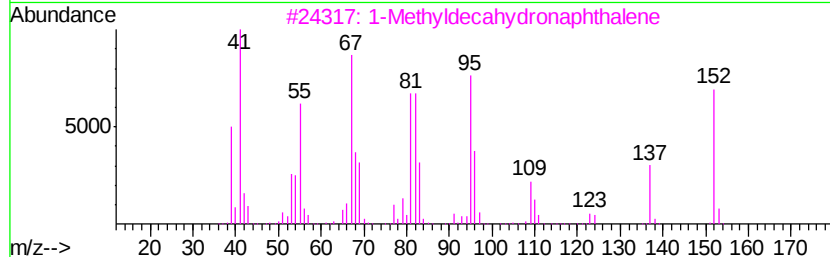
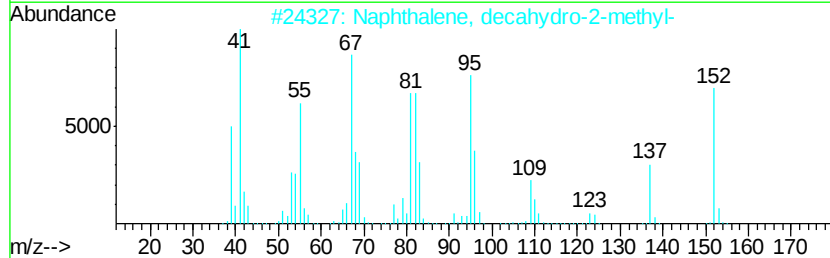
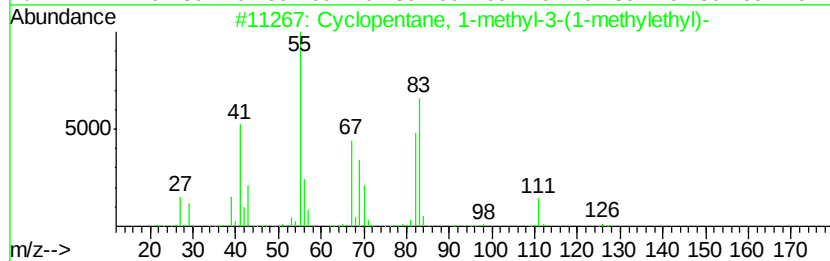
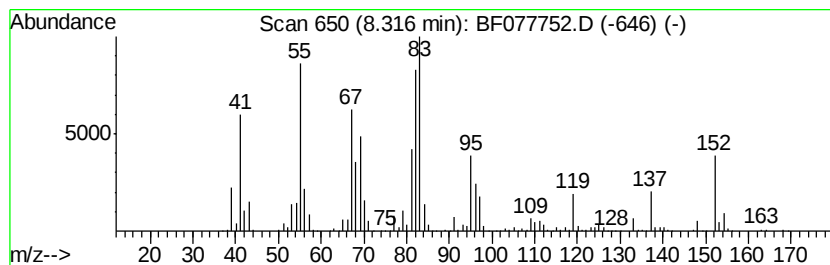
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown8.32 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	28.96 ng	7132240	Naphthalene-d8	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	46
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43
3		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	43
4		Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	38
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
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Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

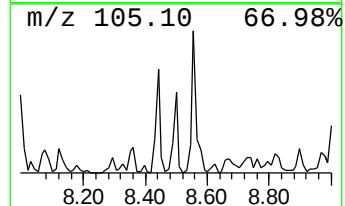
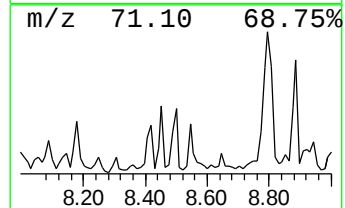
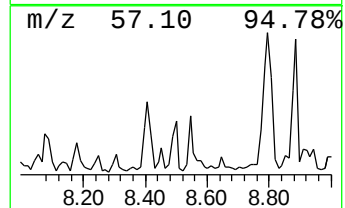
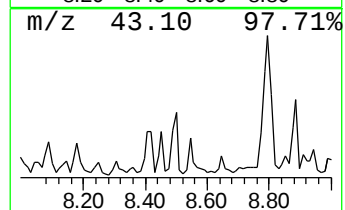
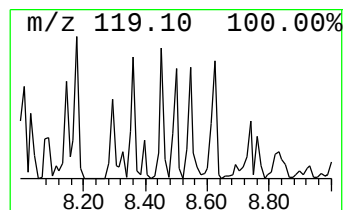
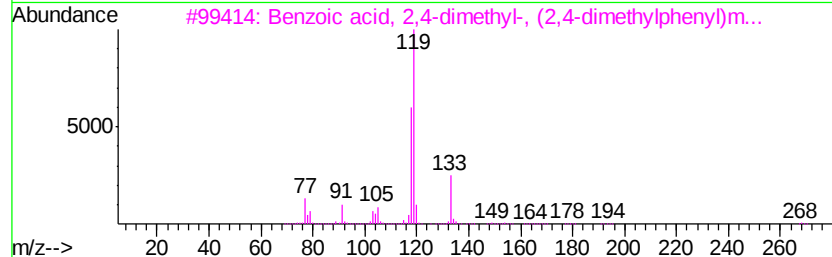
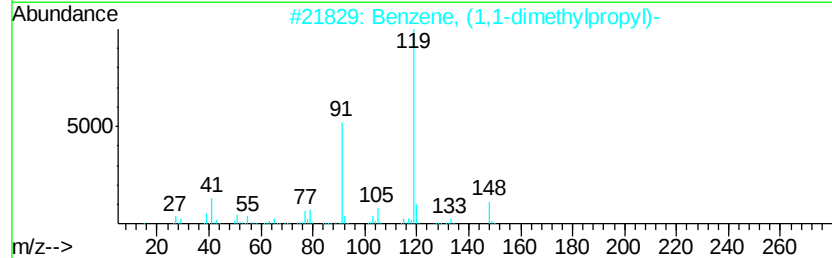
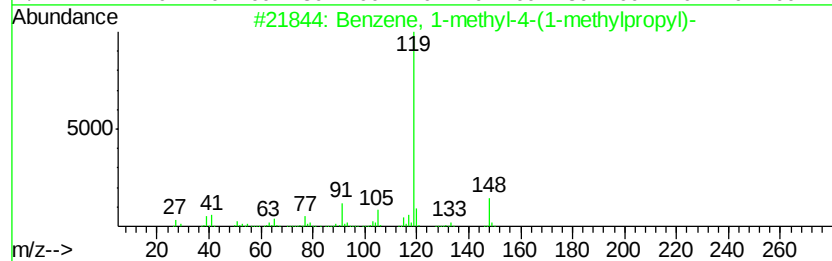
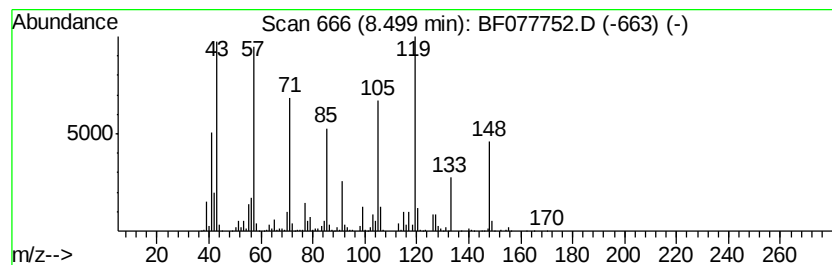
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	29.38 ng	7235930	Naphthalene-d8	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	43
3		Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	43
4		4'-Methylpropiophenone	148	C10H12O	005337-93-9	38
5		Decane, 1-iodo-	268	C10H21I	002050-77-3	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
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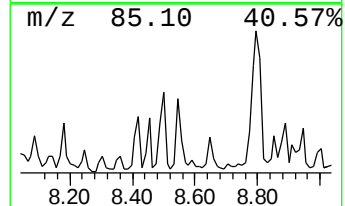
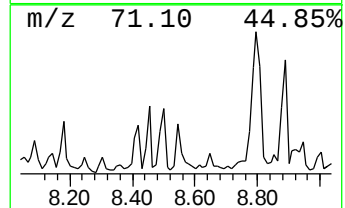
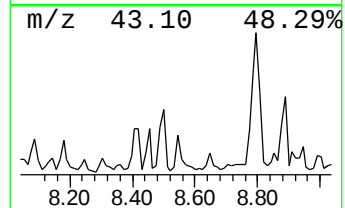
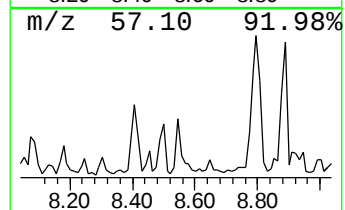
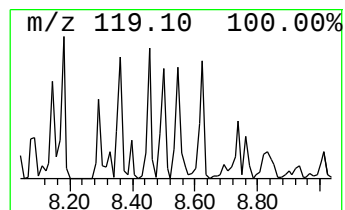
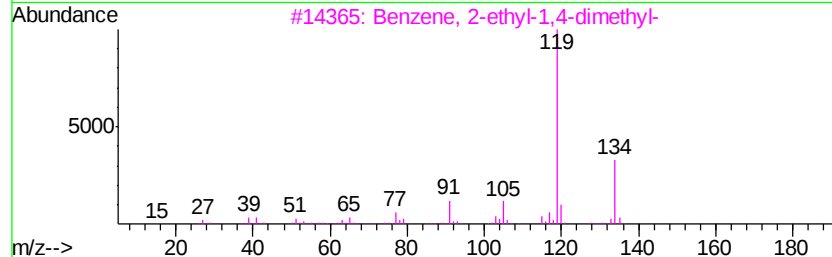
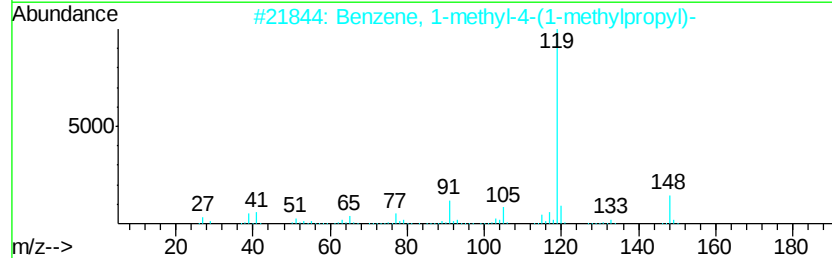
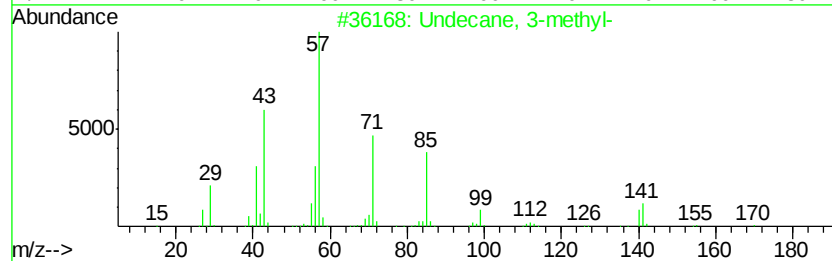
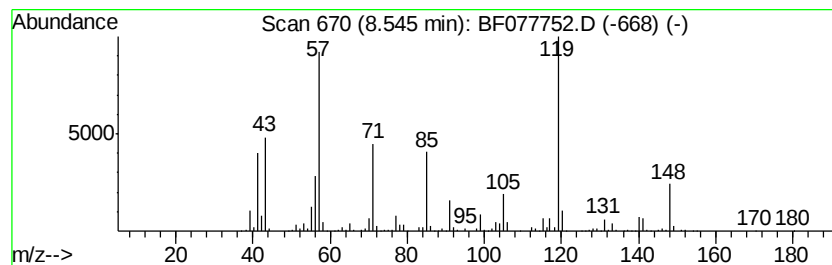
Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Undecane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	37.36 ng	9201180	Napthalene-d8	8.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 3-methyl-	170 C12H26	001002-43-3	50
2	Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0	46
3	Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9	42
4	Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8	38
5	Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

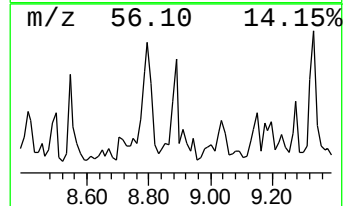
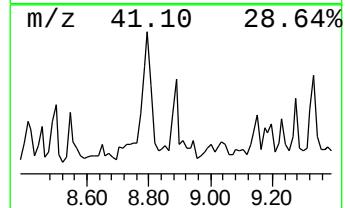
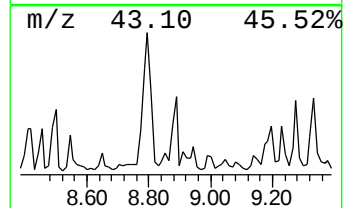
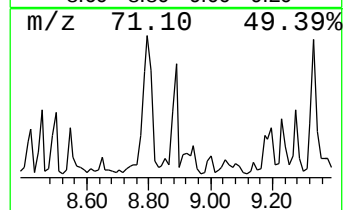
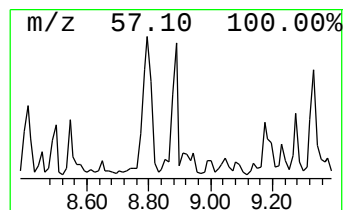
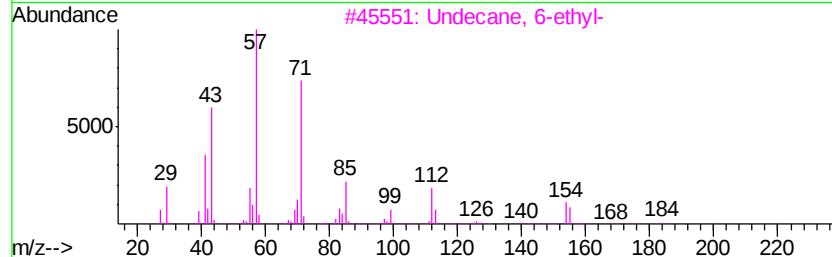
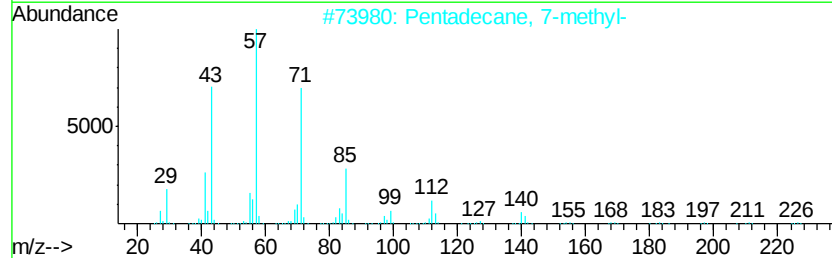
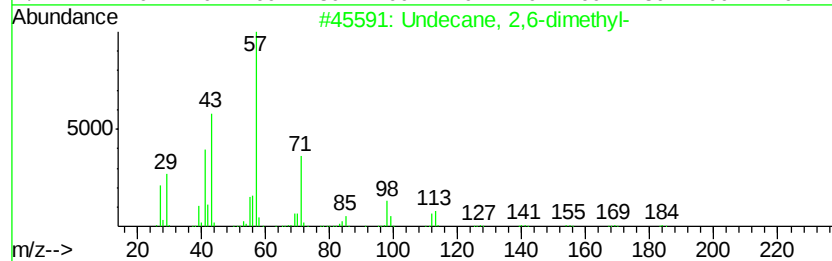
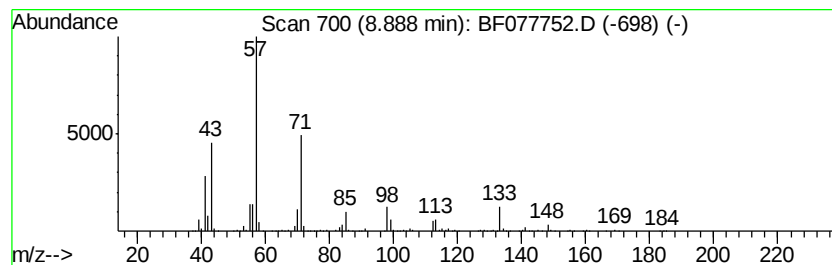
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	25.36 ng	6244330	Napthalene-d8	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
2		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	53
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	53
4		Hexadecane	226	C16H34	000544-76-3	53
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-4(7.0-7.5)

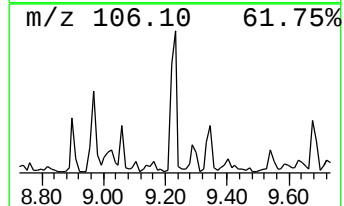
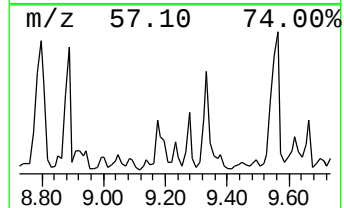
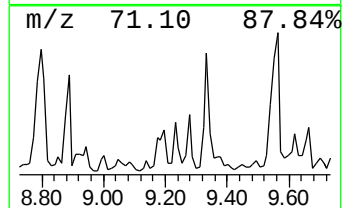
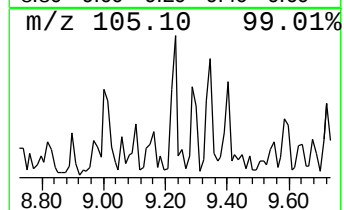
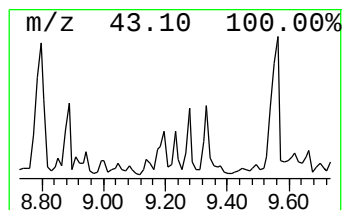
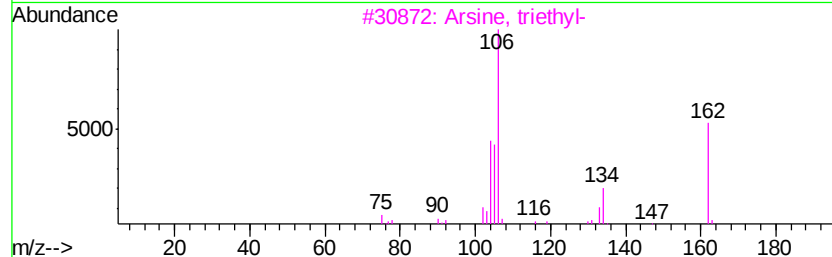
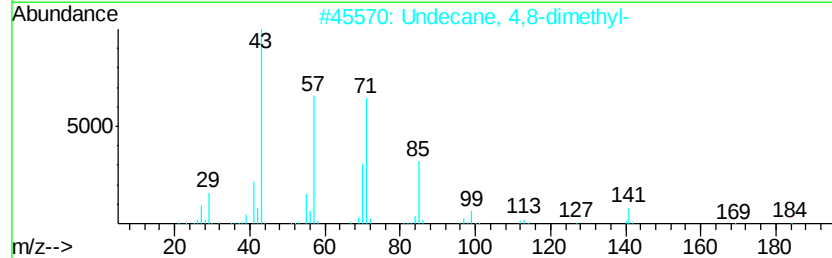
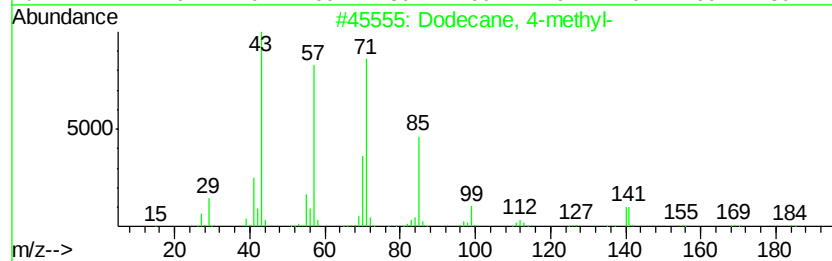
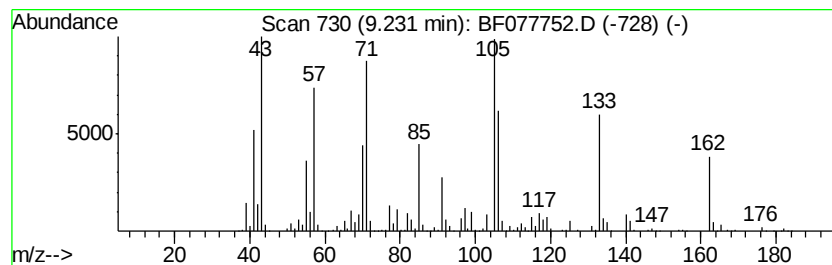
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Dodecane, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	25.36 ng	6244230	Naphthalene-d8	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	60
2		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	38
3		Arsine, triethyl-	162	C6H15As	000617-75-4	38
4		2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	27
5		Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
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Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

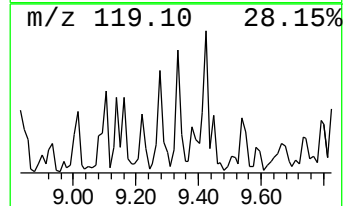
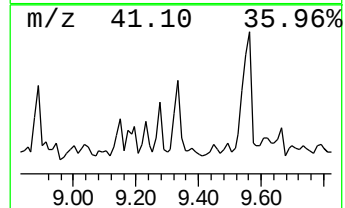
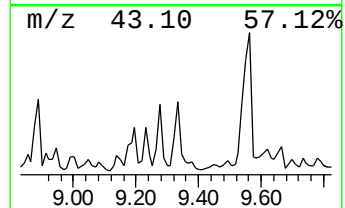
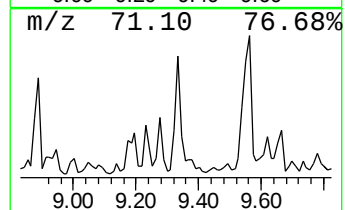
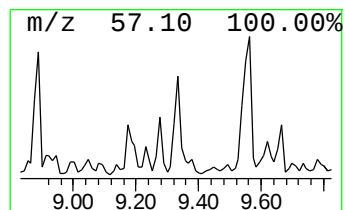
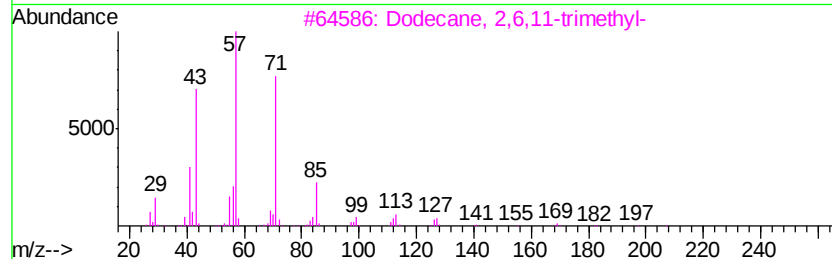
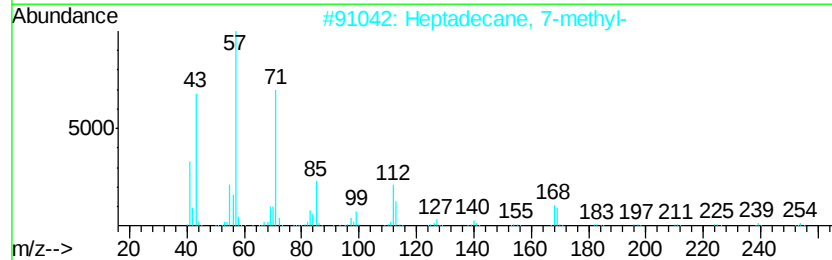
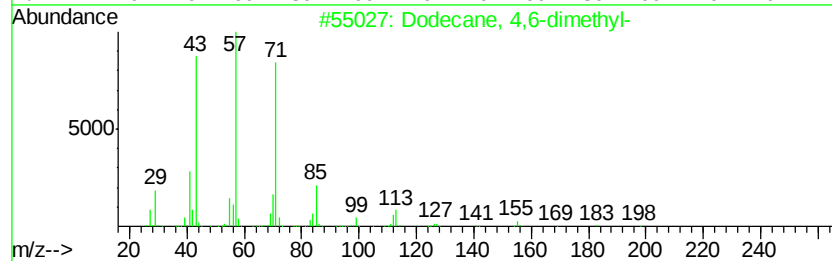
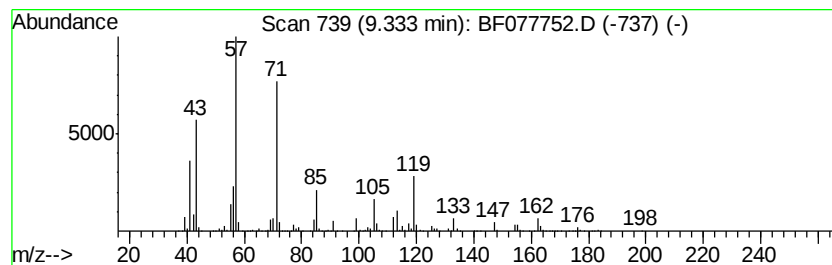
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Dodecane, 4,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	33.00 ng	8127640	Napthalene-d8	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	60
2		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	59
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4		Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	53
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

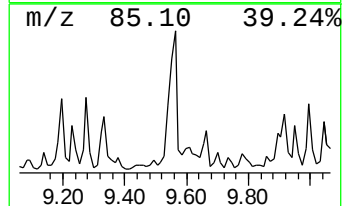
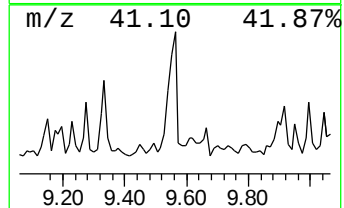
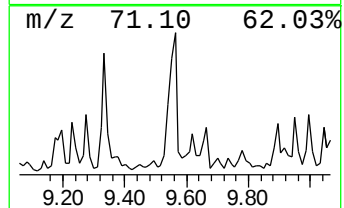
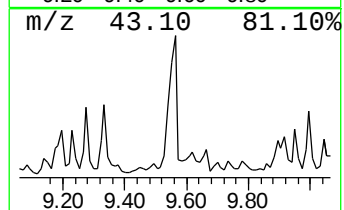
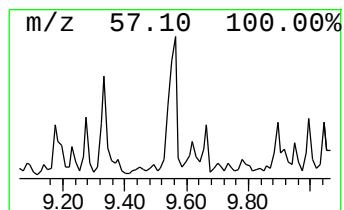
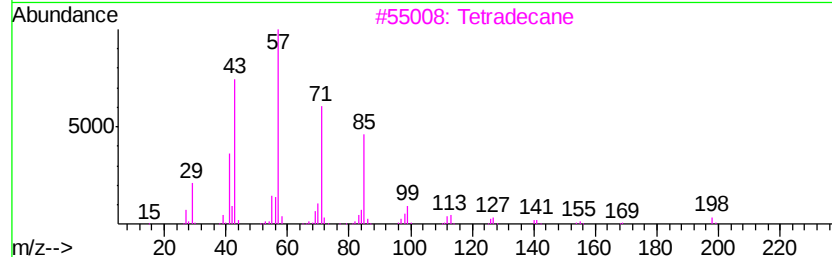
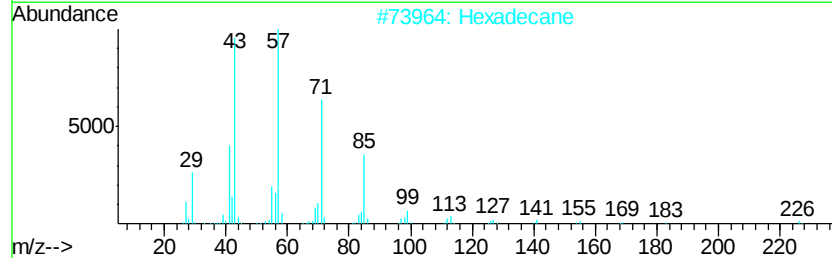
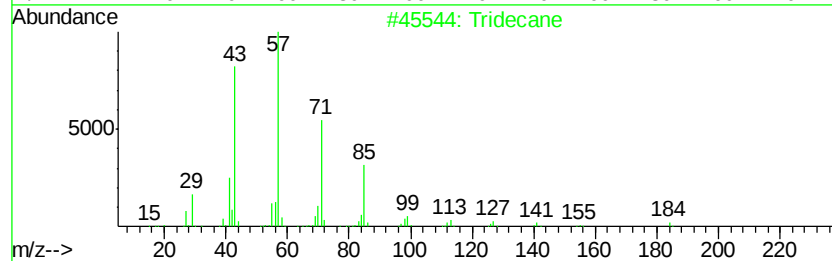
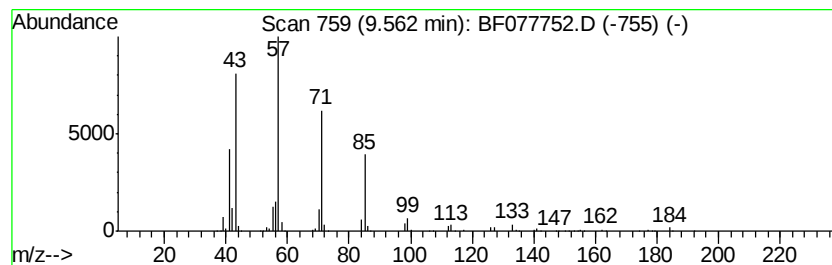
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	46.04 ng	11337800	Napthalene-d8	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	93
2		Hexadecane	226	C16H34	000544-76-3	91
3		Tetradecane	198	C14H30	000629-59-4	86
4		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	78
5		10-Methylnonadecane	282	C20H42	056862-62-5	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

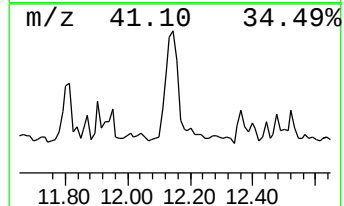
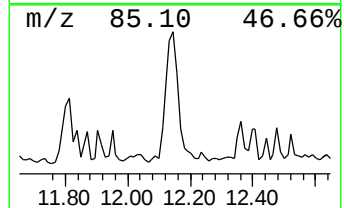
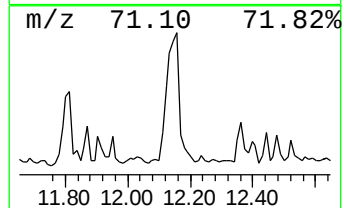
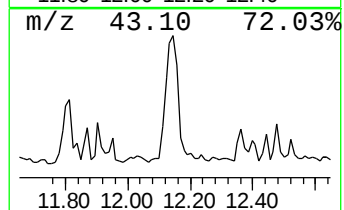
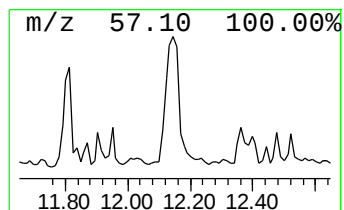
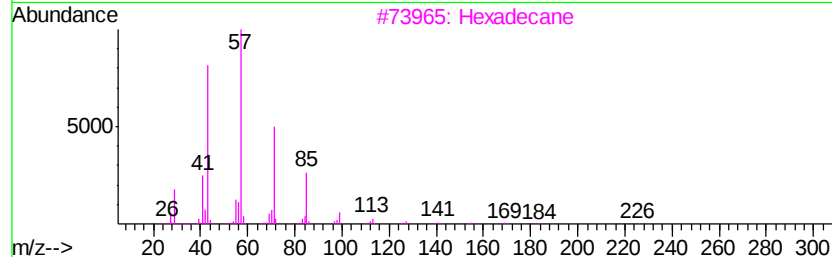
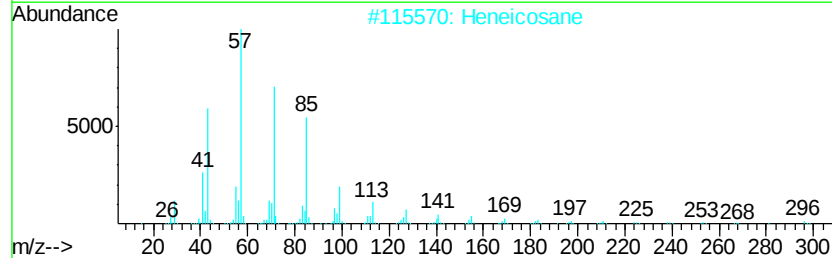
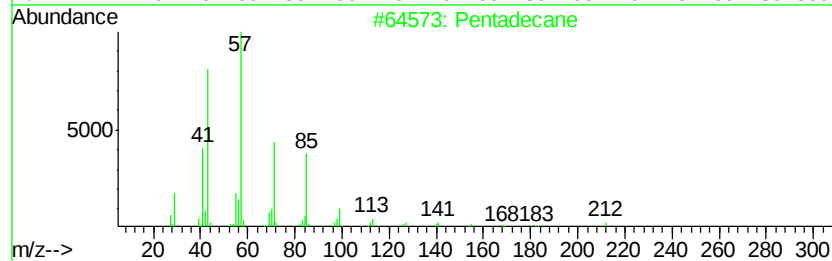
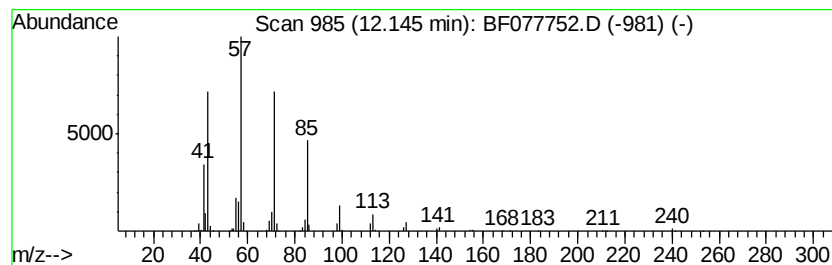
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Pentadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	67.35 ng	15020100	Phenanthrene-d10	12.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Heneicosane	296	C21H44	000629-94-7	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tetratriacontane	479	C34H70	014167-59-0	90
5		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
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Misc :
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ClientSampleId :
PE-4(7.0-7.5)

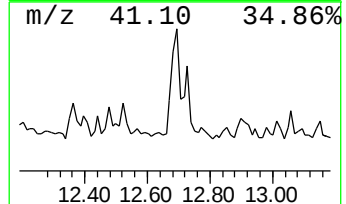
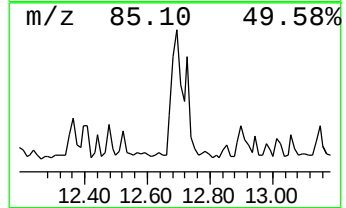
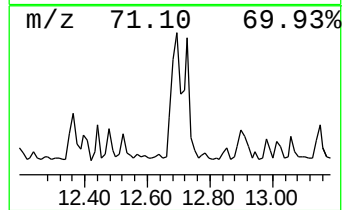
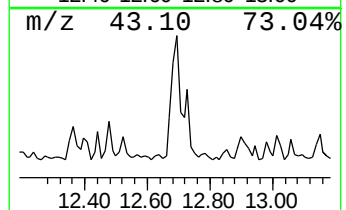
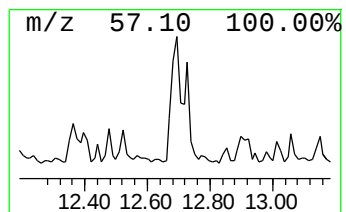
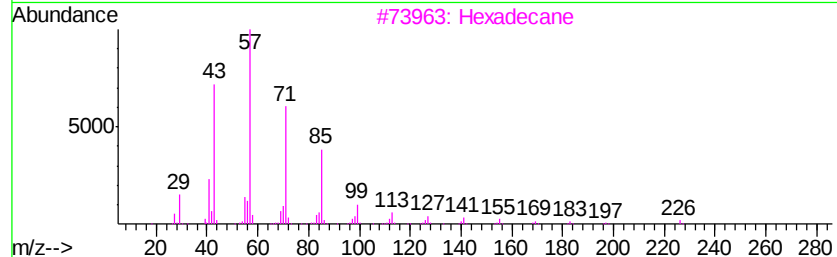
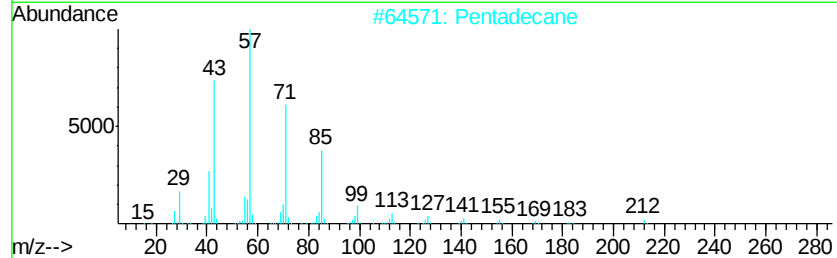
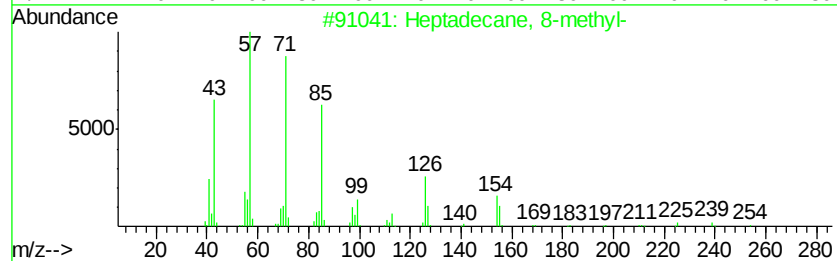
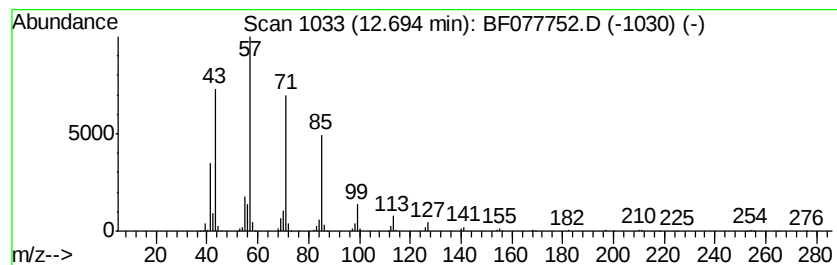
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Heptadecane, 8-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	36.80 ng	8205940	Phenanthrene-d10	12.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
2		Pentadecane	212	C15H32	000629-62-9	90
3		Hexadecane	226	C16H34	000544-76-3	86
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5		Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
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ClientSampleId :
PE-4(7.0-7.5)

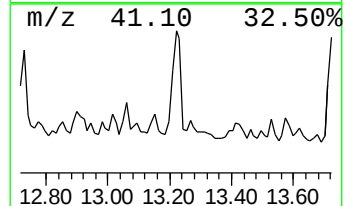
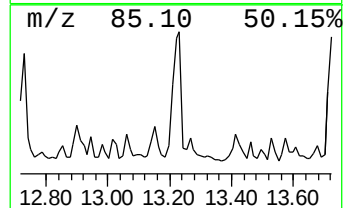
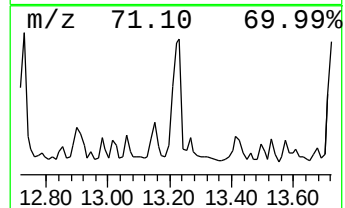
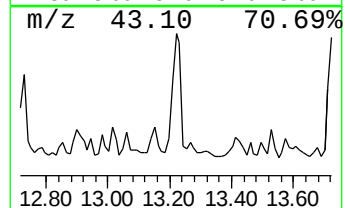
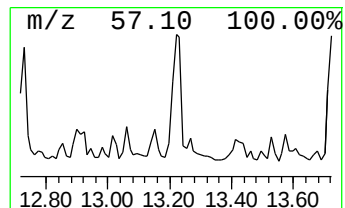
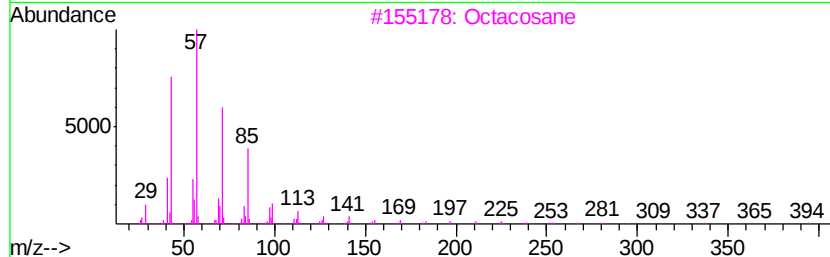
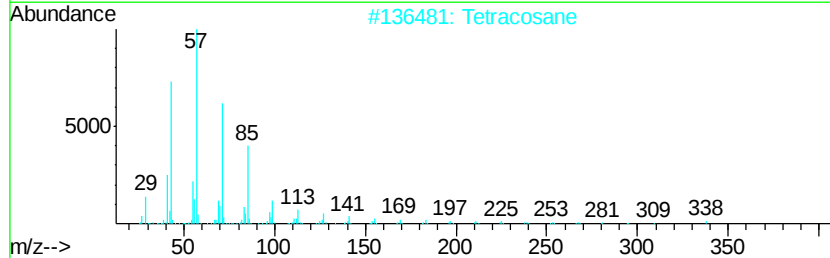
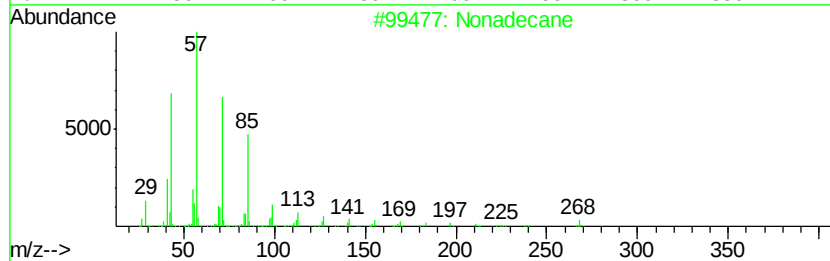
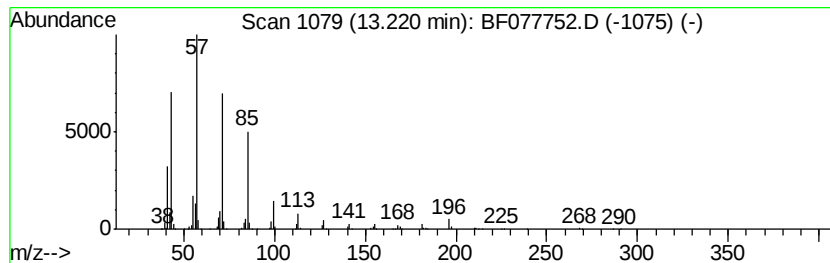
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	43.38 ng	9674970	Phenanthrene-d10	12.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	90
2		Tetracosane	338	C24H50	000646-31-1	90
3		Octacosane	394	C28H58	000630-02-4	90
4		Octadecane	254	C18H38	000593-45-3	86
5		Decane, 1-iodo-	268	C10H21I	002050-77-3	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
 Data File : BF077752.D
 Acq On : 16 Mar 2015 14:33
 Operator : TP/IZ
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 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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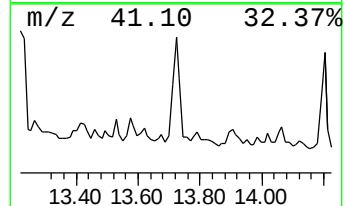
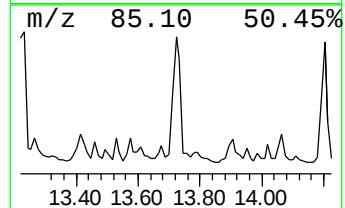
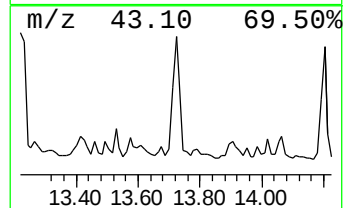
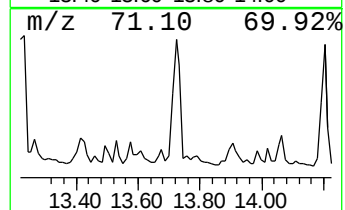
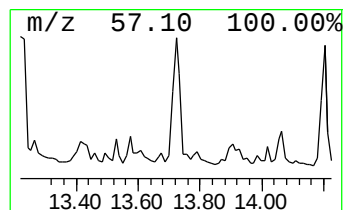
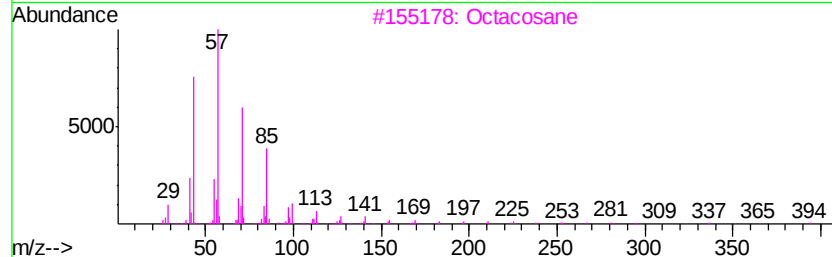
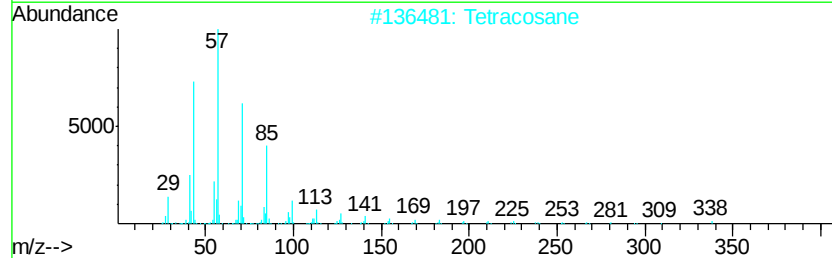
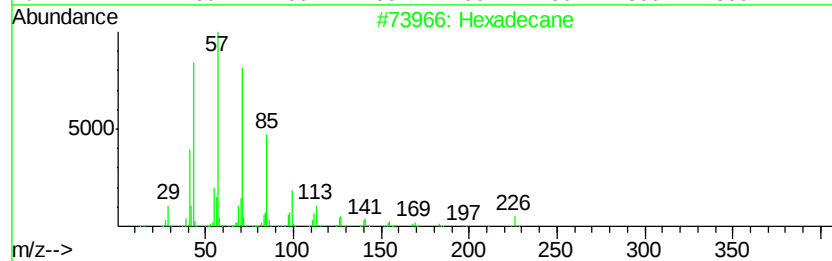
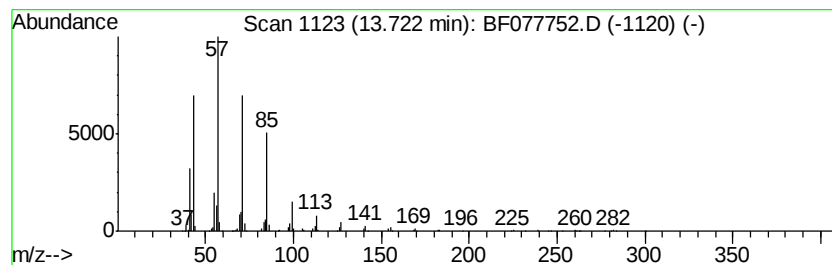
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 17 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	33.00 ng	7358570	Phenanthrene-d10	12.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	86
2		Tetracosane	338	C24H50	000646-31-1	83
3		Octacosane	394	C28H58	000630-02-4	83
4		Decane, 3-methyl-	156	C11H24	013151-34-3	80
5		Pentadecane	212	C15H32	000629-62-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PE-4(7.0-7.5)

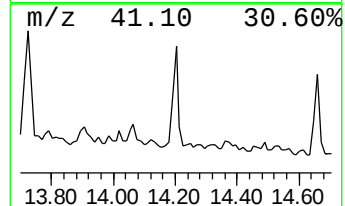
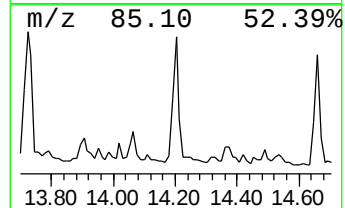
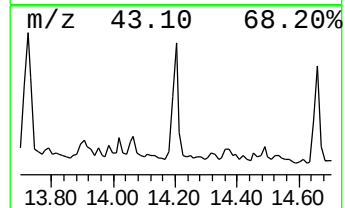
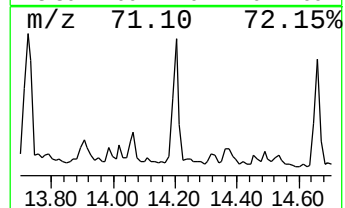
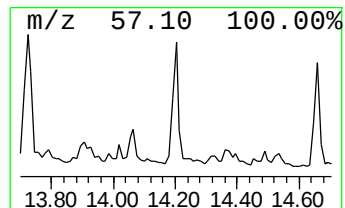
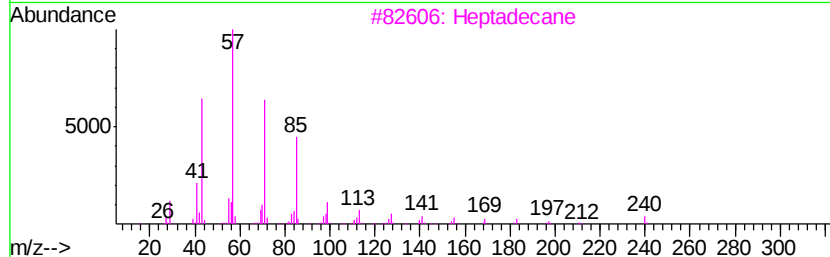
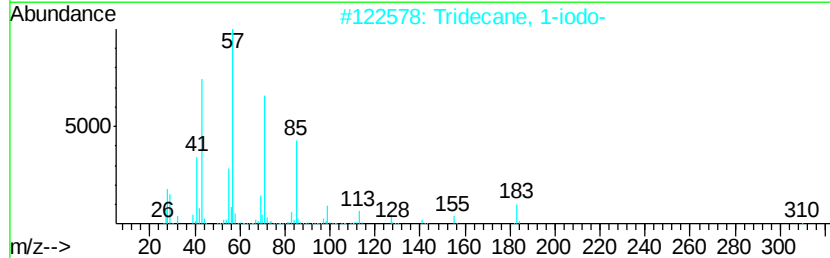
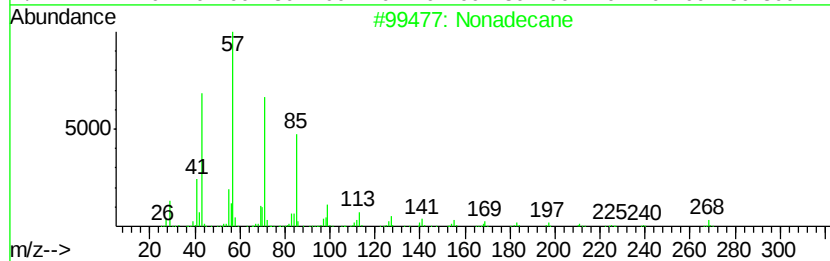
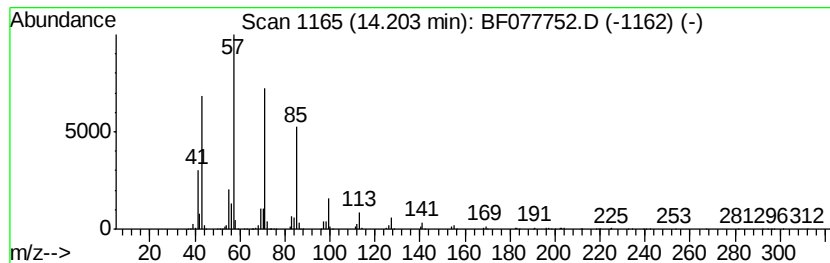
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Tridecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	26.27 ng	5857850	Phenanthrene-d10	12.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	91
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3		Heptadecane	240	C17H36	000629-78-7	90
4		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

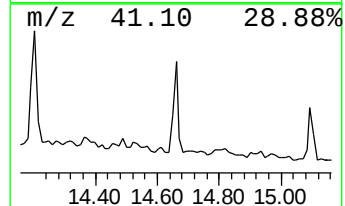
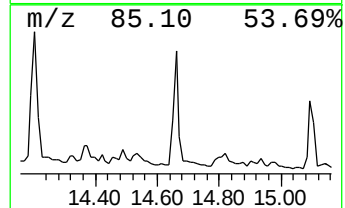
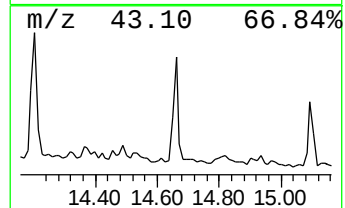
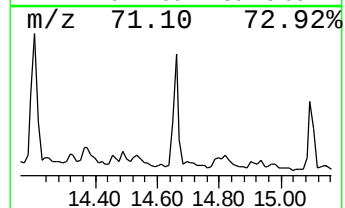
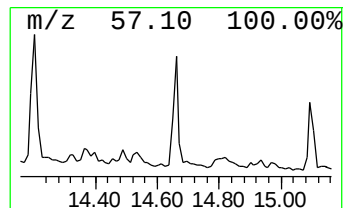
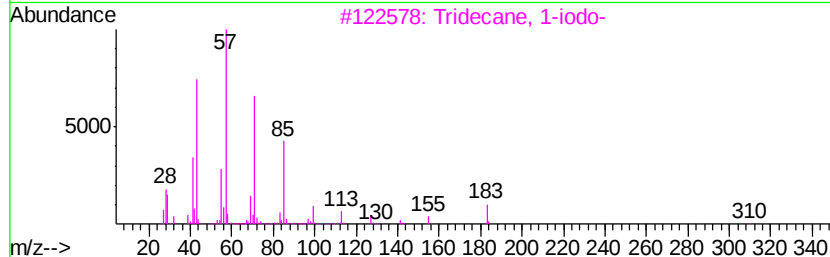
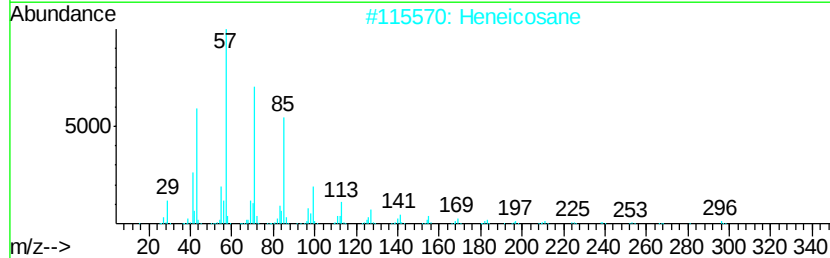
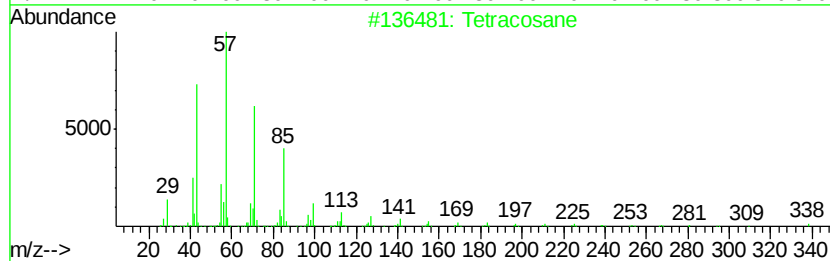
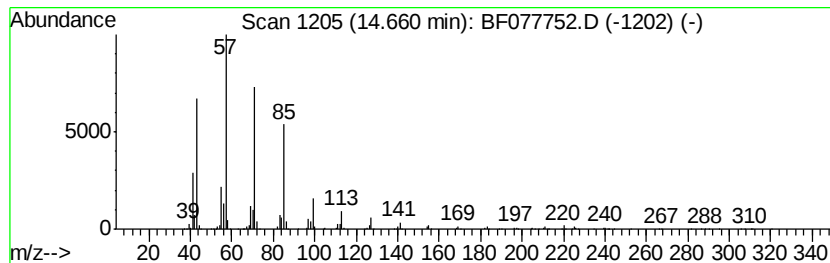
Instrument :
BNA_F
ClientSampleId :
PE-4(7.0-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	55.29 ng	5351600	Chrysene-d12	16.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetracosane	338 C24H50	000646-31-1 91
2		Heneicosane	296 C21H44	000629-94-7 91
3		Tridecane, 1-iodo-	310 C13H27I	035599-77-0 90
4		Hexadecane	226 C16H34	000544-76-3 90
5		Hexadecane, 1-iodo-	352 C16H33I	000544-77-4 90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
Data File : BF077752.D
Acq On : 16 Mar 2015 14:33
Operator : TP/IZ
Sample : G1412-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

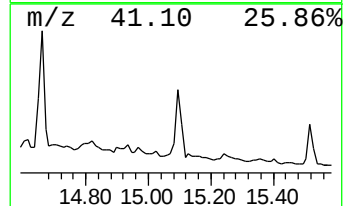
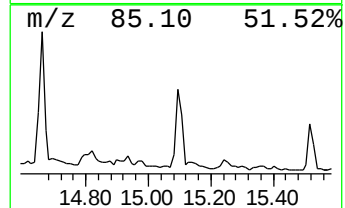
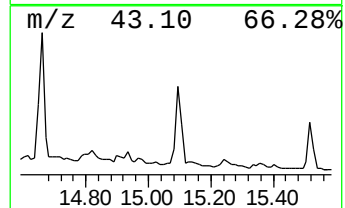
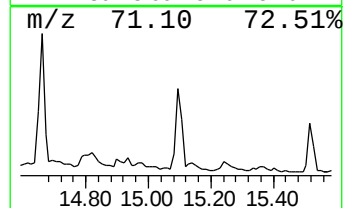
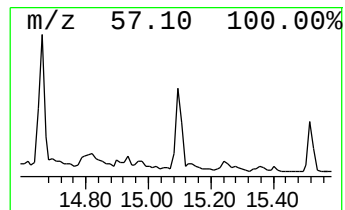
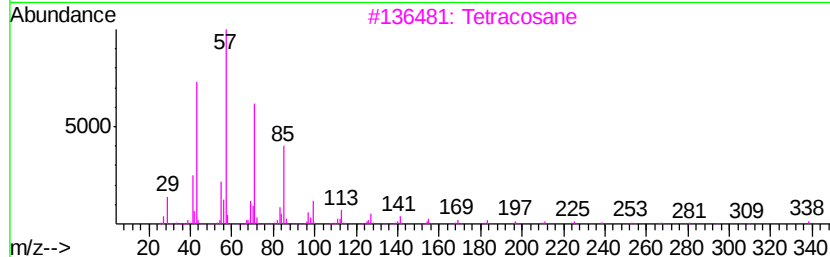
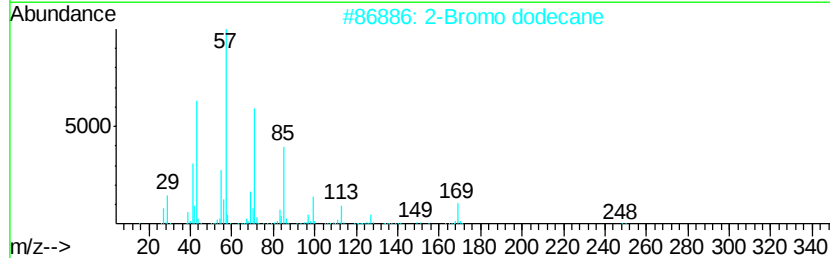
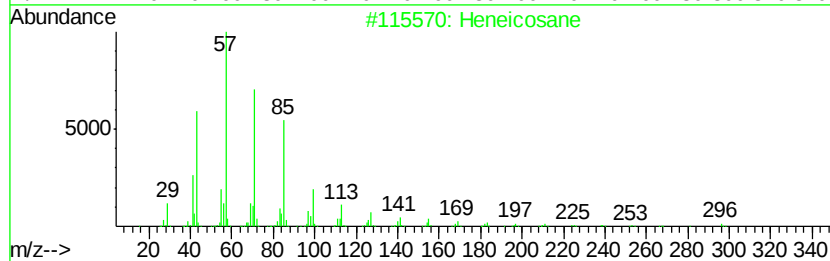
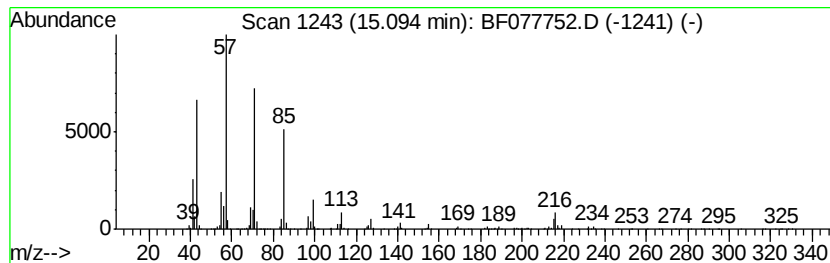
Instrument :
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ClientSampleId :
PE-4(7.0-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	33.41 ng	3234490	Chrysene-d12	16.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heneicosane	296 C21H44	000629-94-7	83
2	2-Bromo dodecane	248 C12H25Br	013187-99-0	80
3	Tetracosane	338 C24H50	000646-31-1	80
4	Dodecane, 1-iodo-	296 C12H25I	004292-19-7	80
5	Dodecane, 2-methyl-	184 C13H28	001560-97-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031615\
 Data File : BF077752.D
 Acq On : 16 Mar 2015 14:33
 Operator : TP/IZ
 Sample : G1412-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4(7.0-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethyl-...	6.59	28.7	ng	5352550	1	7.18	3729050	20.0
Decane	7.01	48.1	ng	8970150	1	7.18	3729050	20.0
Cyclohexane, butyl-	7.37	40.3	ng	7518280	1	7.18	3729050	20.0
Benzene, 1,3-diet...	7.58	26.3	ng	4898580	1	7.18	3729050	20.0
Nonane, 3,7-dimet...	7.69	38.0	ng	7095400	1	7.18	3729050	20.0
Undecane	7.96	66.7	ng	12442500	1	7.18	3729050	20.0
unknown8.32	8.32	29.0	ng	7132240	2	8.76	4925300	20.0
Benzene, 1-methyl...	8.50	29.4	ng	7235930	2	8.76	4925300	20.0
Undecane, 3-methyl-	8.54	37.4	ng	9201180	2	8.76	4925300	20.0
Undecane, 2,6-dim...	8.89	25.4	ng	6244330	2	8.76	4925300	20.0
Dodecane, 4-methyl-	9.23	25.4	ng	6244230	2	8.76	4925300	20.0
Dodecane, 4,6-dim...	9.33	33.0	ng	8127640	2	8.76	4925300	20.0
Tridecane	9.56	46.0	ng	11337800	2	8.76	4925300	20.0
Pentadecane	12.15	67.3	ng	15020100	4	12.77	4460110	20.0
Heptadecane, 8-me...	12.69	36.8	ng	8205940	4	12.77	4460110	20.0
Nonadecane	13.22	43.4	ng	9674970	4	12.77	4460110	20.0
Hexadecane	13.72	33.0	ng	7358570	4	12.77	4460110	20.0
Tridecane, 1-iodo-	14.20	26.3	ng	5857850	4	12.77	4460110	20.0
Tetracosane	14.66	55.3	ng	5351600	5	16.03	1935950	20.0
Heneicosane	15.09	33.4	ng	3234490	5	16.03	1935950	20.0