

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077084.D
 Acq On : 27 Jan 2015 11:09
 Operator : TP/IZ
 Sample : G1137-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 104B3

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-BF011415.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	4.801	320	325	331	rBV	414685	1024332	2.96%	0.182%
2	5.167	353	357	370	rVB2	277400	947406	2.74%	0.168%
3	5.419	370	379	382	rBV	522607	1357269	3.92%	0.241%
4	6.082	431	437	441	rBV3	404428	1184970	3.42%	0.211%
5	6.184	441	446	451	rVB	790159	1986822	5.74%	0.353%
6	6.299	451	456	458	rBV	519846	1246771	3.60%	0.222%
7	6.733	491	494	497	rBV	558225	1388812	4.01%	0.247%
8	6.790	497	499	503	rVB2	694514	1444443	4.17%	0.257%
9	6.870	503	506	508	rBV2	454024	938863	2.71%	0.167%
10	6.927	508	511	514	rVB	646372	1189140	3.43%	0.211%
11	6.996	514	517	521	rVB2	779829	1736318	5.02%	0.309%
12	7.087	521	525	532	rVB	976614	2400645	6.93%	0.427%
13	7.236	532	538	540	rBV2	741142	2703989	7.81%	0.481%
14	7.419	551	554	556	rBV	490252	923834	2.67%	0.164%
15	7.590	564	569	575	rBV	1877262	4655981	13.45%	0.828%
16	7.933	595	599	602	rBV	1563503	3448529	9.96%	0.613%
17	8.002	602	605	609	rVV2	1413329	3064430	8.85%	0.545%
18	8.105	611	614	617	rVB2	360576	749028	2.16%	0.133%
19	8.173	617	620	622	rBV	740946	1362802	3.94%	0.242%
20	8.299	628	631	635	rVB3	415897	964957	2.79%	0.172%
21	8.436	639	643	645	rBV4	484199	947397	2.74%	0.168%
22	8.505	645	649	653	rBV	1002837	2091316	6.04%	0.372%
23	8.630	653	660	663	rBV2	2201934	5684852	16.42%	1.011%
24	8.688	663	665	668	rVB	553183	972975	2.81%	0.173%
25	8.756	668	671	679	rVB2	1024503	3431054	9.91%	0.610%
26	8.882	679	682	684	rBV	579740	1021139	2.95%	0.182%
27	8.939	684	687	689	rBV	481518	981177	2.83%	0.174%
28	8.985	689	691	698	rVB4	722599	1971124	5.69%	0.350%
29	9.099	698	701	705	rBV2	1948236	4668883	13.49%	0.830%
30	9.305	716	719	722	rBV3	248472	737418	2.13%	0.131%
31	9.419	722	729	741	rVV2	3698686	16190165	46.76%	2.878%
32	9.648	741	749	751	rBV4	1259441	4644279	13.41%	0.826%
33	9.705	751	754	761	rVB	1432958	3684067	10.64%	0.655%
34	9.876	766	769	773	rVB3	599199	1228947	3.55%	0.218%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.968	773	777	779	rBV3	560183	1745094	5.04%	0.310%
36	10.162	791	794	796	rBV	851131	2010513	5.81%	0.357%
37	10.208	796	798	799	rVV	709644	1200891	3.47%	0.213%
38	10.253	799	802	807	rVB4	605659	1957910	5.66%	0.348%
39	10.368	807	812	815	rBV3	841519	3127820	9.03%	0.556%
40	10.573	828	830	837	rVB	866441	2842321	8.21%	0.505%
41	10.825	839	852	858	rBV4	1808153	13447784	38.84%	2.391%
42	10.951	858	863	864	rBV	838768	2554788	7.38%	0.454%
43	11.031	865	870	871	rBV	1876680	5095251	14.72%	0.906%
44	11.236	881	888	895	rBV2	1405903	6805079	19.66%	1.210%
45	11.362	896	899	905	rVB3	972964	3678117	10.62%	0.654%
46	11.499	906	911	916	rBV3	629159	3077316	8.89%	0.547%
47	12.002	944	955	961	rBV3	2089436	14308119	41.33%	2.544%
48	12.391	981	989	993	rBV4	1731228	9786563	28.27%	1.740%
49	12.551	993	1003	1006	rVB2	4446450	26018569	75.15%	4.625%
50	12.711	1009	1017	1021	rBV2	1341158	7562836	21.84%	1.344%
51	13.557	1084	1091	1100	rVB4	2596077	13443207	38.83%	2.390%
52	13.957	1123	1126	1128	rVB	4432858	8287718	23.94%	1.473%
53	14.025	1128	1132	1139	rVB4	2015430	10608513	30.64%	1.886%
54	14.231	1140	1150	1152	rBV	3668110	18263319	52.75%	3.247%
55	14.471	1165	1171	1174	rBV2	1865100	8082520	23.34%	1.437%
56	14.642	1181	1186	1191	rBV3	2348435	10652579	30.77%	1.894%
57	15.225	1226	1237	1239	rBV	5688528	25606891	73.96%	4.552%
58	15.283	1239	1242	1250	rVB3	2053614	8705042	25.14%	1.547%
59	15.545	1257	1265	1267	rBV	1835635	7742444	22.36%	1.376%
60	15.625	1270	1272	1276	rVB	2710966	4714067	13.62%	0.838%
61	15.774	1276	1285	1287	rBV3	3554412	15203857	43.91%	2.703%
62	15.820	1287	1289	1293	rVV4	3180780	8575680	24.77%	1.524%
63	15.911	1293	1297	1299	rVV	2640401	7937884	22.93%	1.411%
64	15.968	1299	1302	1307	rVB4	2751808	8004898	23.12%	1.423%
65	16.174	1316	1320	1323	rBV4	817758	2500350	7.22%	0.444%
66	16.300	1323	1331	1337	rBV2	7488823	34622475	100.00%	6.155%
67	16.654	1357	1362	1368	rBV2	4092715	14700640	42.46%	2.613%
68	16.746	1368	1370	1372	rBV3	1557833	3178895	9.18%	0.565%
69	16.860	1377	1380	1382	rBV	1600924	3706881	10.71%	0.659%
70	17.020	1391	1394	1395	rBV	940548	1973074	5.70%	0.351%
71	17.134	1398	1404	1408	rVV2	6566913	27501150	79.43%	4.889%

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72	17.397	1424	1427	1429	rVB2	1716020	3113411	8.99%	0.553%
73	17.534	1437	1439	1442	rBV4	2147390	5358371	15.48%	0.953%
74	17.763	1455	1459	1460	rBV	3848989	7674497	22.17%	1.364%
75	17.808	1460	1463	1464	rVV	6293890	13112916	37.87%	2.331%
76	17.831	1464	1465	1468	rVV	4837769	7186445	20.76%	1.278%
77	17.969	1472	1477	1480	rBV4	1416321	5065993	14.63%	0.901%
78	18.026	1480	1482	1486	rVV4	1657044	3680501	10.63%	0.654%
79	18.117	1488	1490	1492	rVV2	1110406	1584595	4.58%	0.282%
80	18.209	1496	1498	1500	rBV2	1322787	1954538	5.65%	0.347%
81	18.311	1505	1507	1510	rVB4	1687852	2589309	7.48%	0.460%
82	18.403	1510	1515	1517	rBV	6143325	12219106	35.29%	2.172%
83	18.471	1519	1521	1522	rBV	1509735	1915820	5.53%	0.341%
84	18.517	1522	1525	1526	rVB	2033176	3108010	8.98%	0.553%
85	18.609	1530	1533	1535	rBV2	1436097	3010380	8.69%	0.535%
86	18.940	1557	1562	1564	rVB	5593934	11395013	32.91%	2.026%
87	19.077	1572	1574	1575	rBV	1095071	1699797	4.91%	0.302%
88	19.123	1575	1578	1583	rVB3	1989602	5430153	15.68%	0.965%
89	19.226	1583	1587	1589	rBV2	2637801	5841910	16.87%	1.038%
90	19.317	1594	1595	1598	rVV	1448454	2015867	5.82%	0.358%
91	19.432	1601	1605	1608	rVV	5189623	10279901	29.69%	1.827%
92	19.489	1608	1610	1612	rVB3	670503	775908	2.24%	0.138%
93	19.660	1623	1625	1628	rVB2	1006283	1515327	4.38%	0.269%
94	19.752	1631	1633	1635	rBV2	960730	1146791	3.31%	0.204%
95	19.797	1635	1637	1640	rVB2	1185873	1862866	5.38%	0.331%
96	19.900	1642	1646	1647	rBV	4856302	6769520	19.55%	1.203%
97	20.334	1681	1684	1686	rBV	3976225	4665484	13.48%	0.829%
98	20.757	1718	1721	1723	rVB	2323408	2616771	7.56%	0.465%
99	21.157	1752	1756	1759	rVB	1379513	1953413	5.64%	0.347%
100	21.546	1788	1790	1794	rVB	588986	787812	2.28%	0.140%

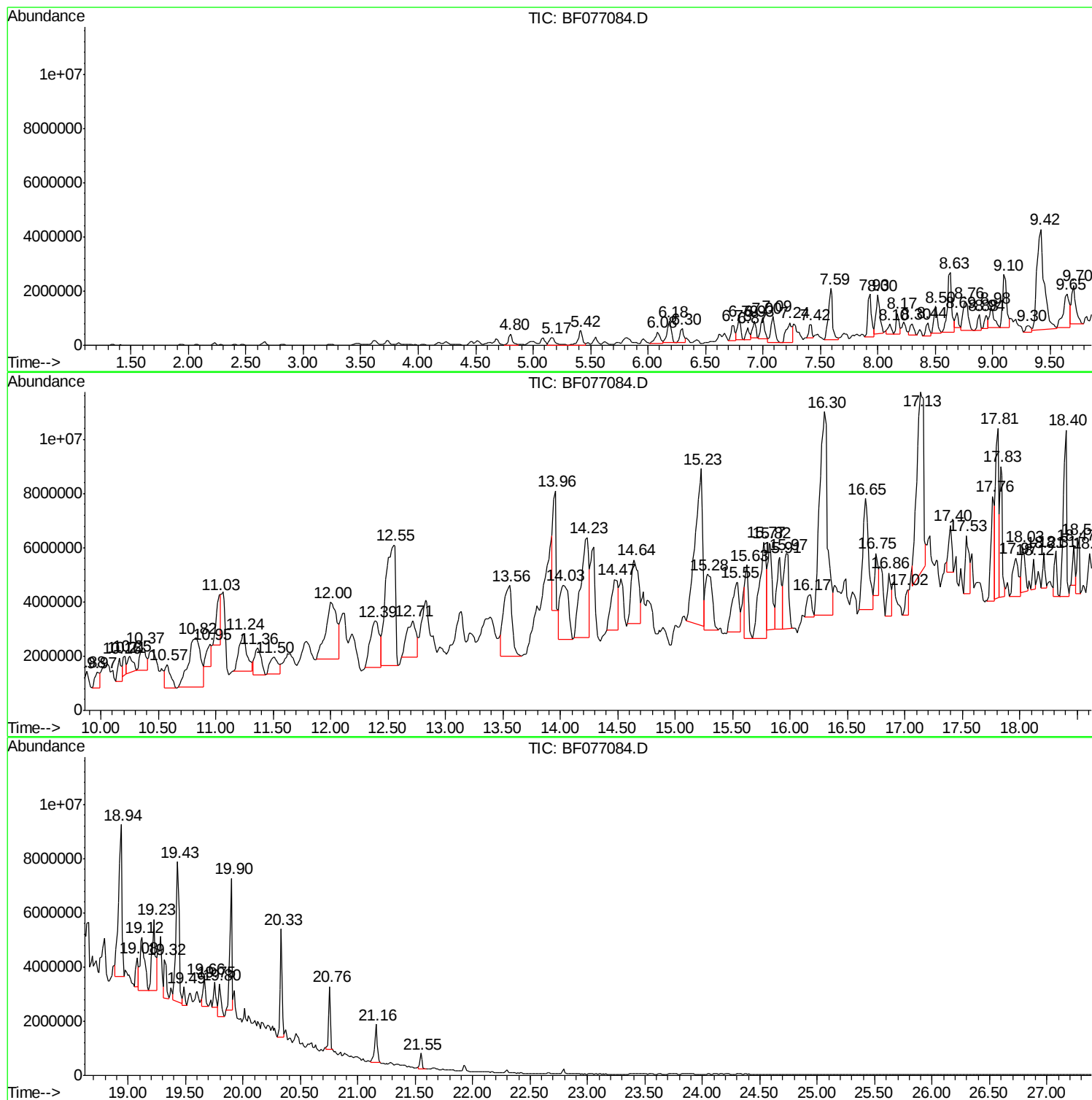
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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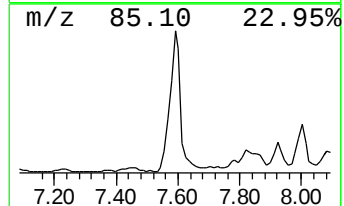
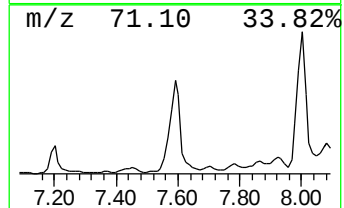
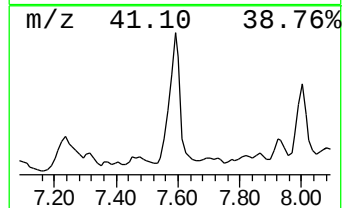
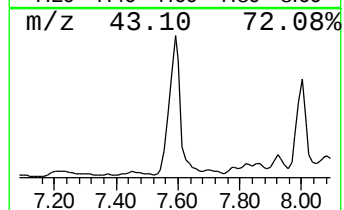
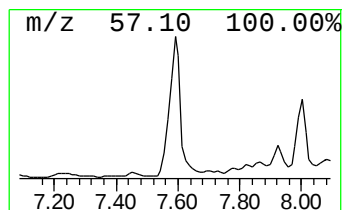
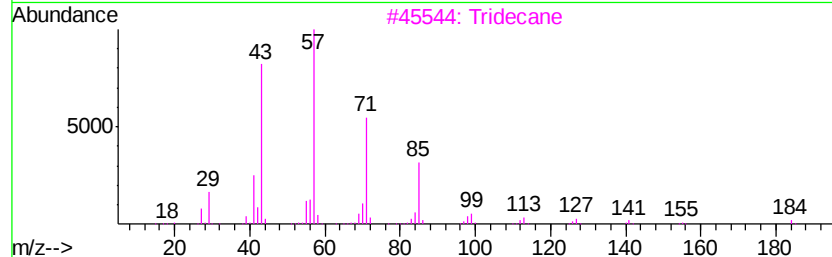
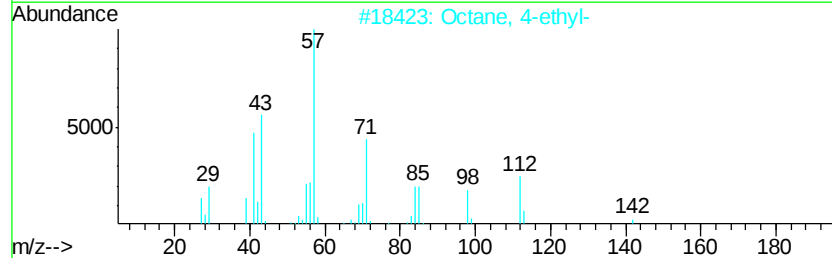
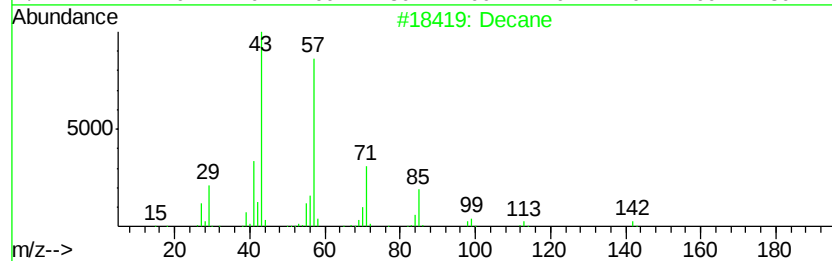
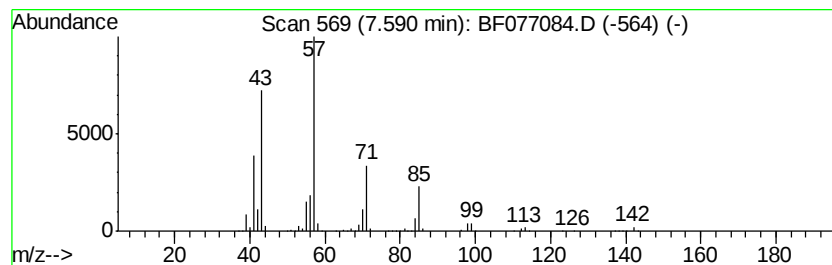
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	27.00 ng	4655980	1,4-Dichlorobenzene-d4	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	72
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	72
3		Tridecane	184	C13H28	000629-50-5	72
4		Undecane	156	C11H24	001120-21-4	72
5		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72



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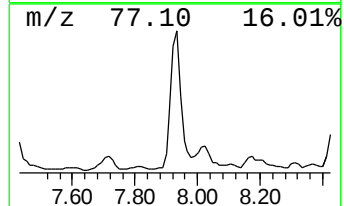
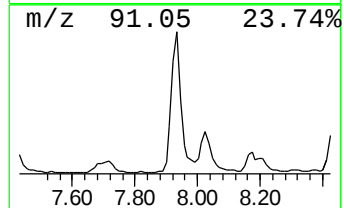
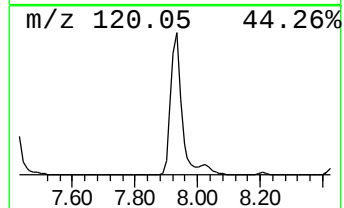
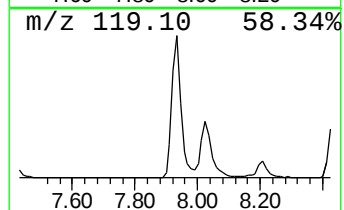
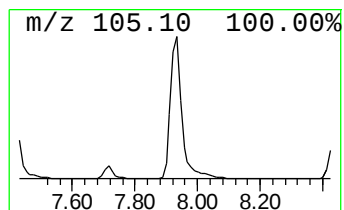
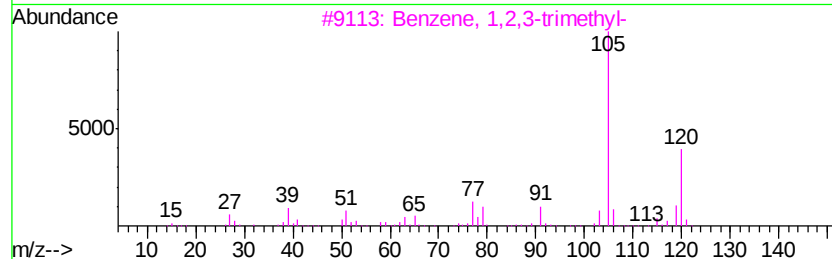
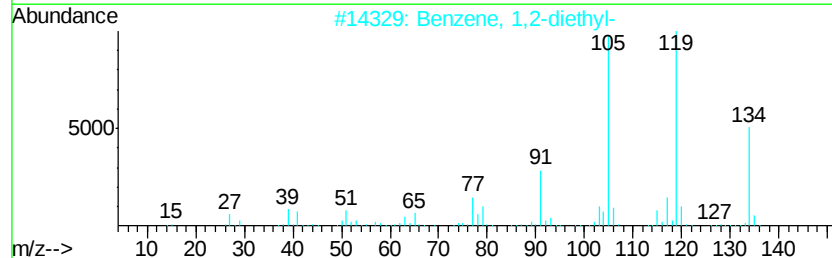
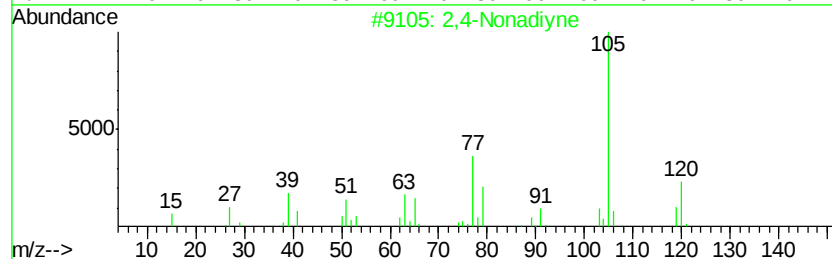
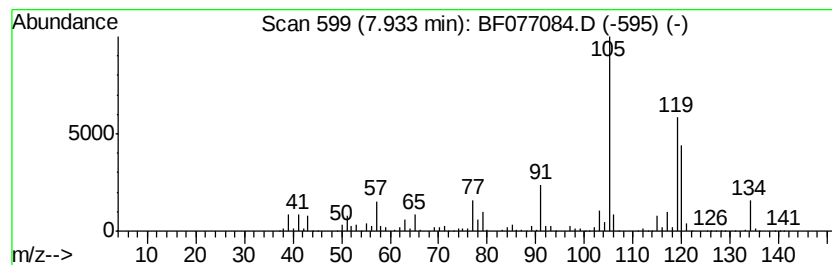
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2,4-Nonadiyne Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	20.00 ng	3448530	1,4-Dichlorobenzene-d4	7.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Nonadiyne	120 C9H12	063621-15-8	60
2	Benzene, 1,2-diethyl-	134 C10H14	000135-01-3	60
3	Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8	60
4	Benzene, 1,3,5-trimethyl-	120 C9H12	000108-67-8	58
5	Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8	55



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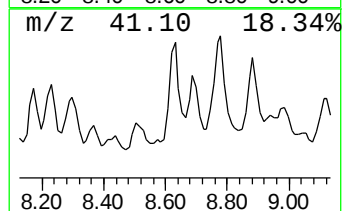
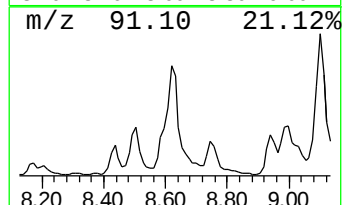
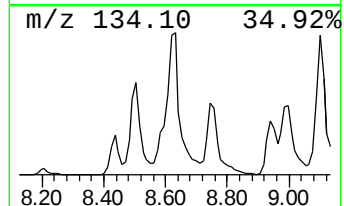
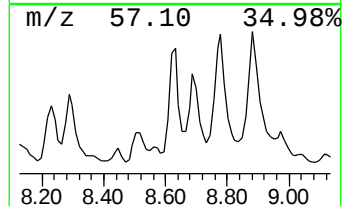
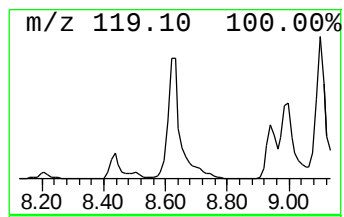
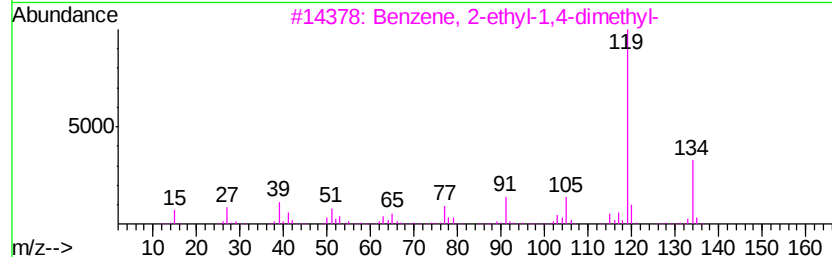
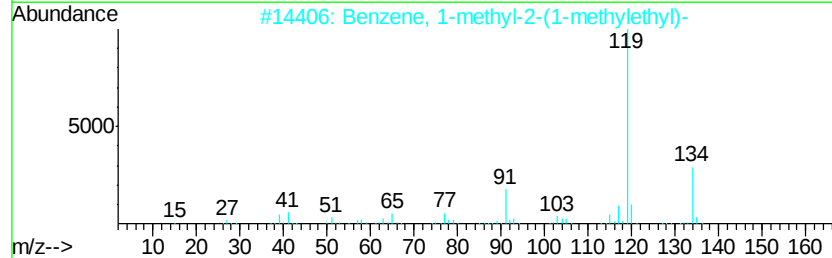
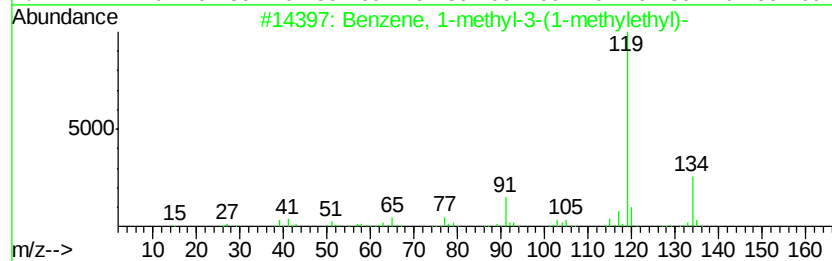
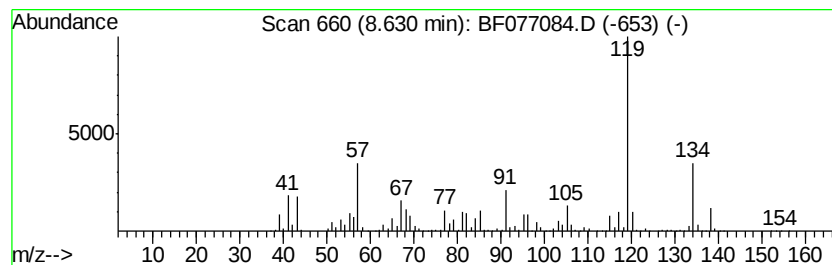
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	32.97 ng	5684850	1,4-Dichlorobenzene-d4	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
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ClientSampleId :
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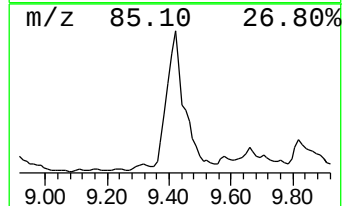
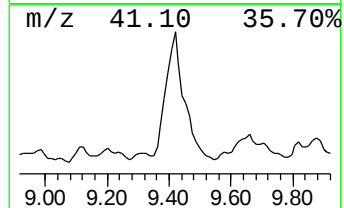
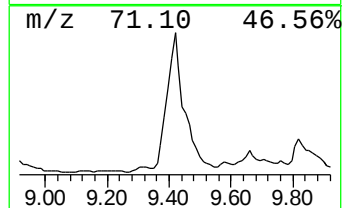
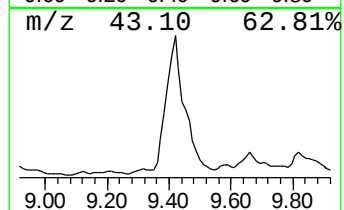
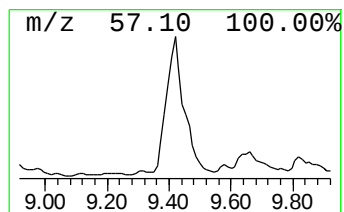
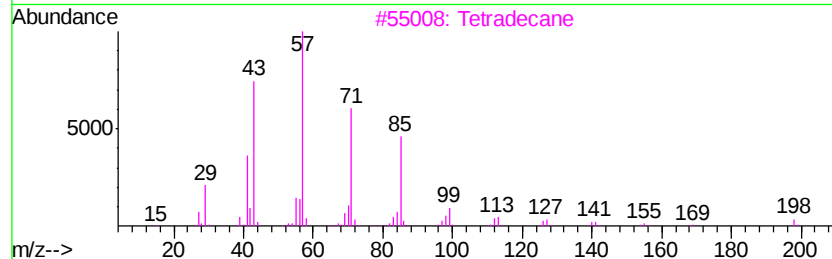
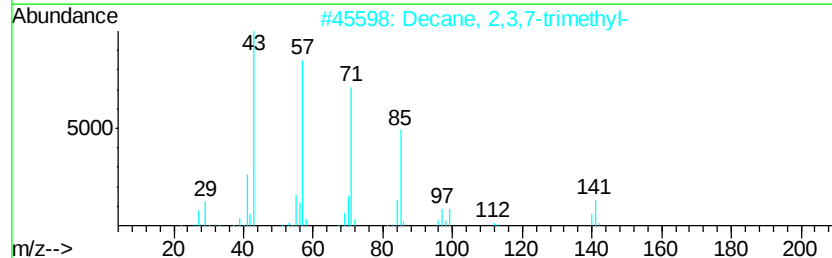
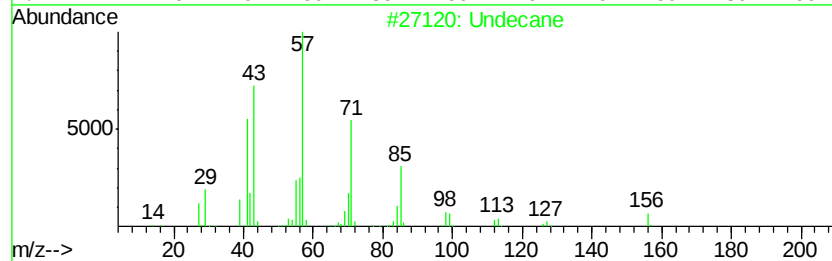
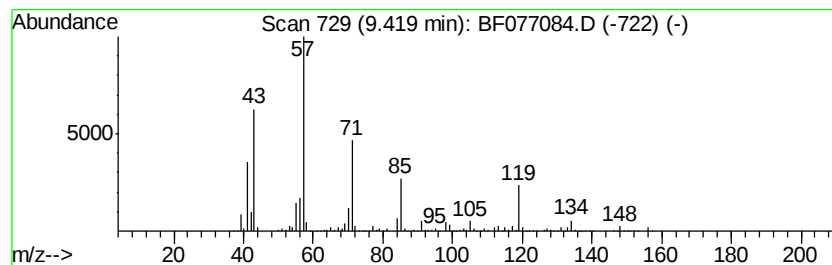
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Undecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	24.08 ng	16190200	Napthalene-d8	10.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	53
2	Decane, 2,3,7-trimethyl-		184	C13H28	062238-13-5	53
3	Tetradecane		198	C14H30	000629-59-4	53
4	Decane, 2,3,6-trimethyl-		184	C13H28	062238-12-4	53
5	Decane, 2,9-dimethyl-		170	C12H26	001002-17-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
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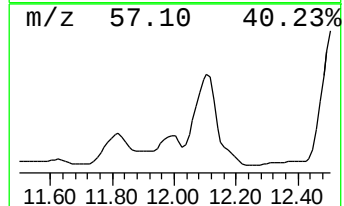
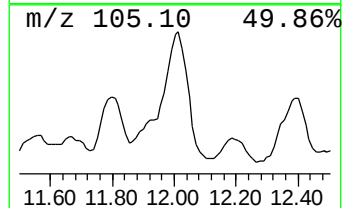
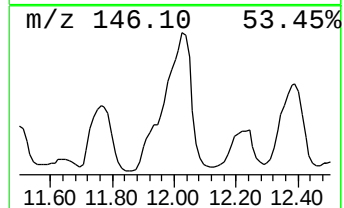
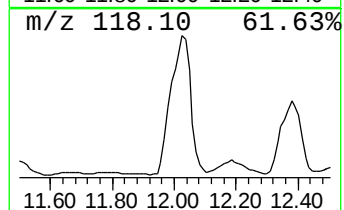
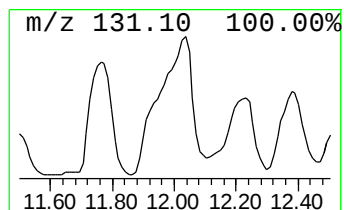
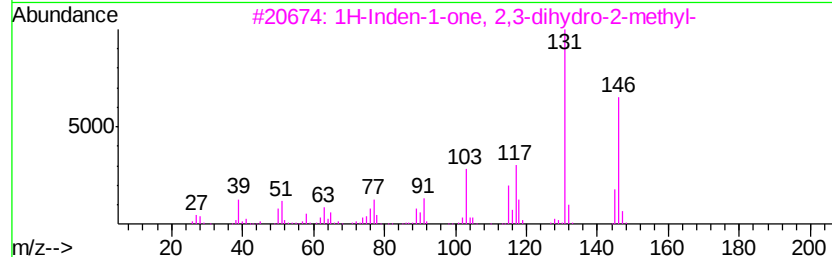
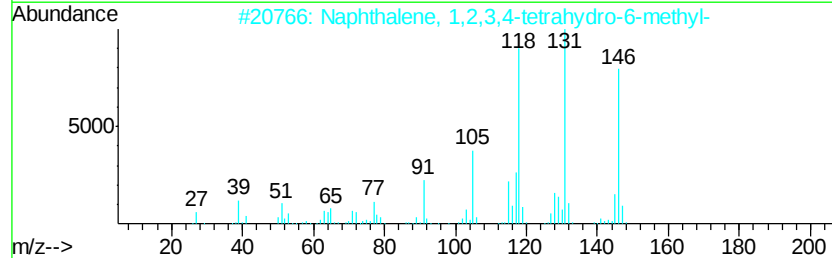
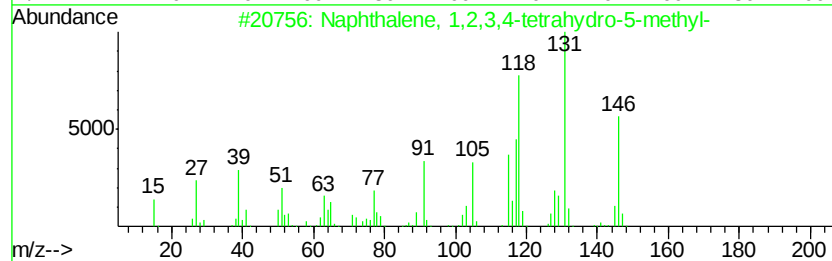
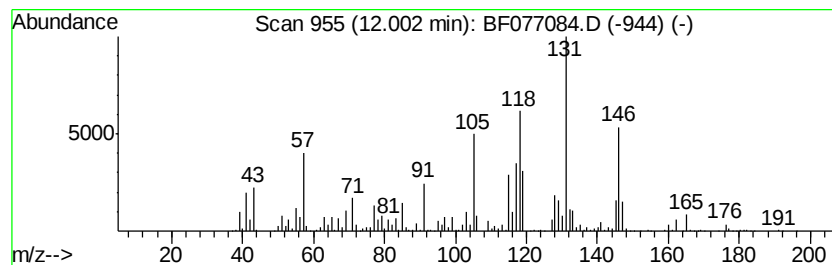
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	21.28 ng	14308100	Naphthalene-d8	10.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	91
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	72
3		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	70
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
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ClientSampleId :
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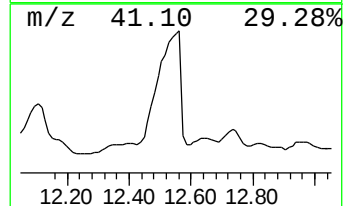
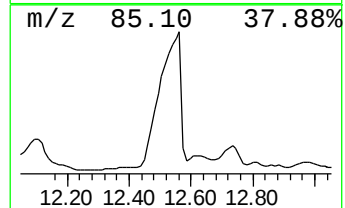
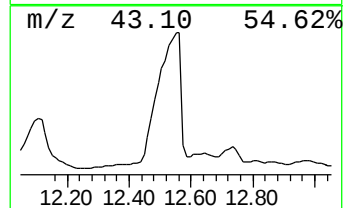
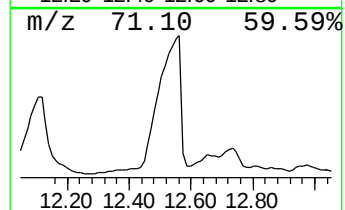
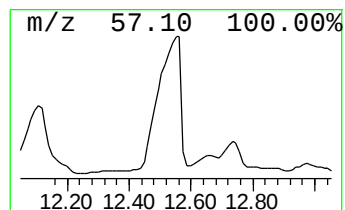
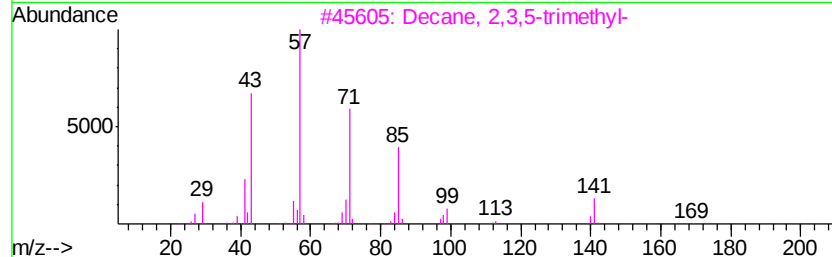
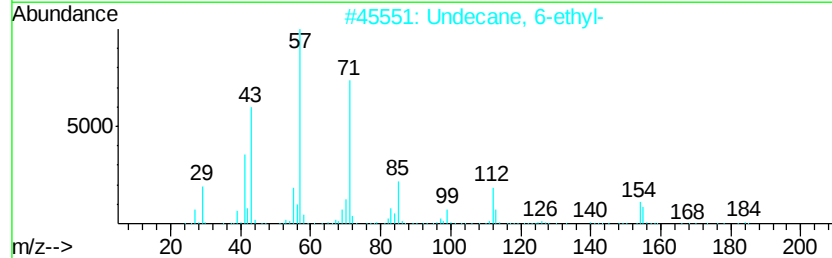
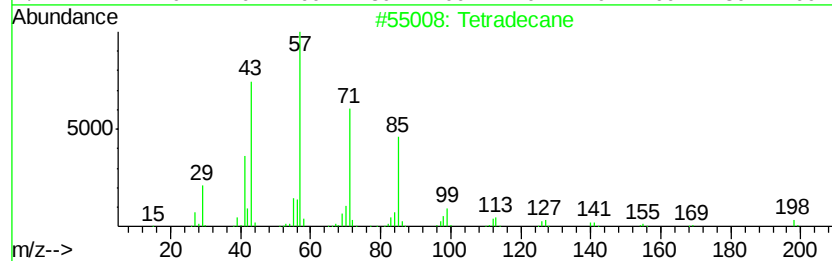
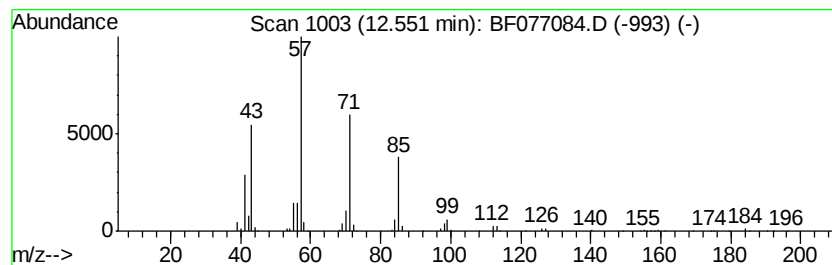
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	38.70 ng	26018600	Naphthalene-d8	10.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	83
2		Undecane, 6-ethyl-	184	C13H28	017312-60-6	80
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
4		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	78
5		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
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Misc :
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ClientSampleId :
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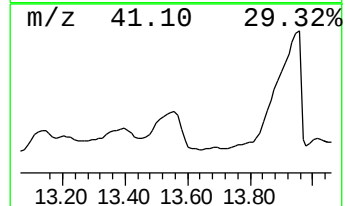
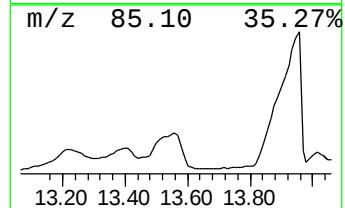
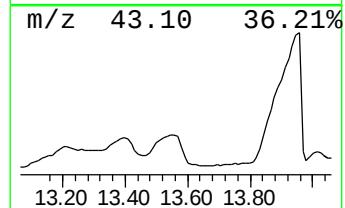
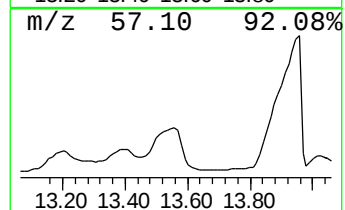
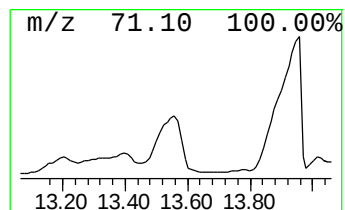
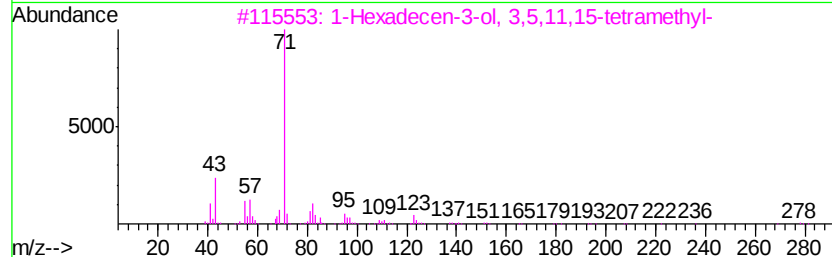
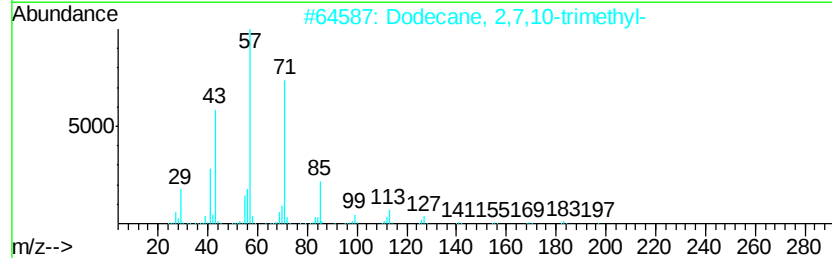
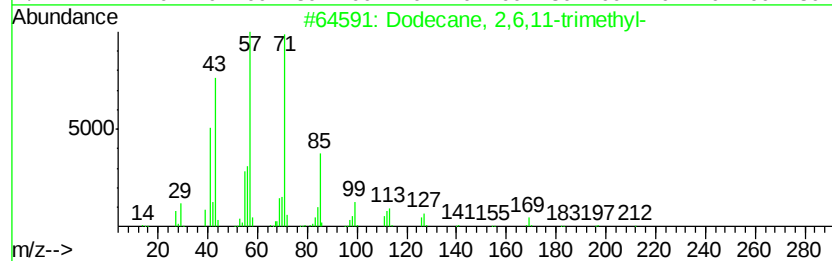
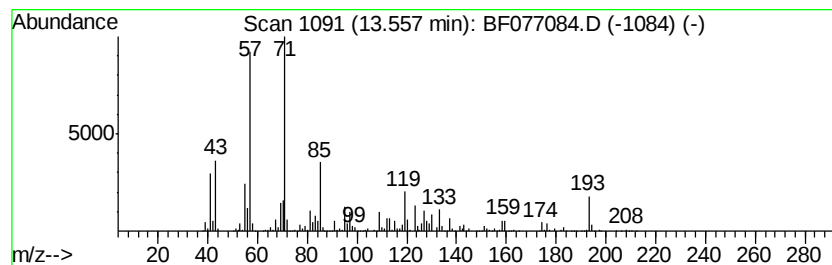
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown13.56 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	25.24 ng	13443200	Acenaphthene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	49
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	43
3		1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	38
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	35
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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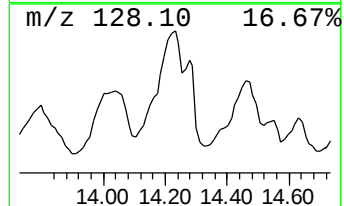
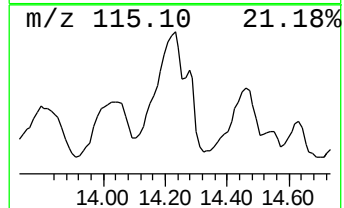
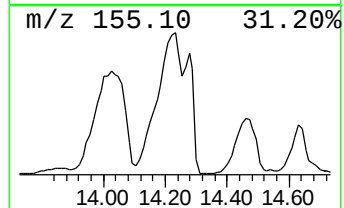
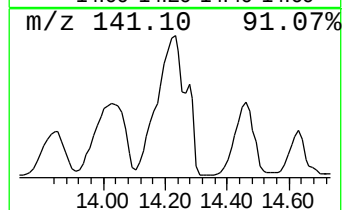
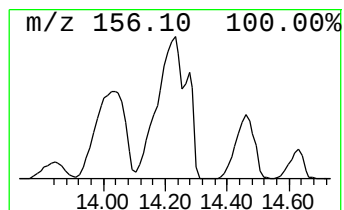
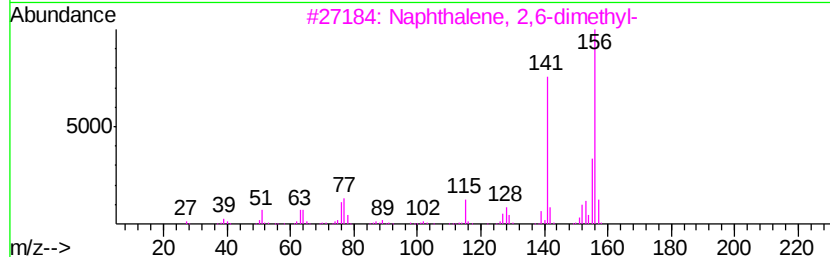
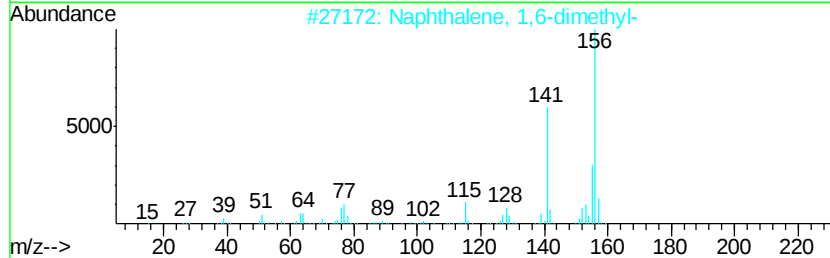
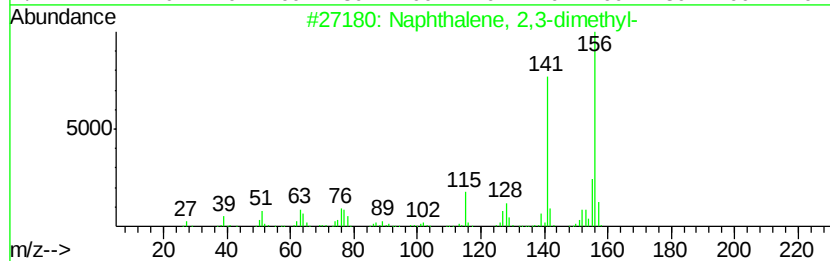
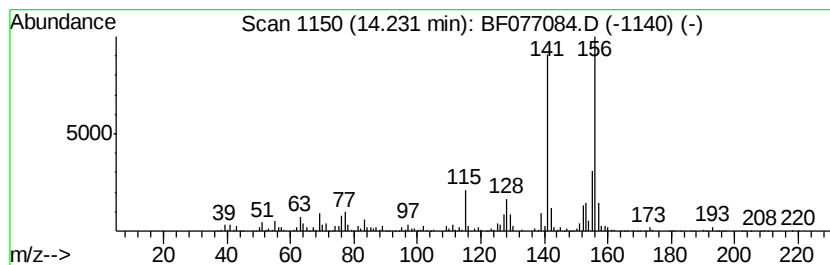
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	34.29 ng	18263300	Acenaphthene-d10	14.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
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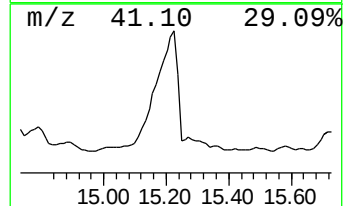
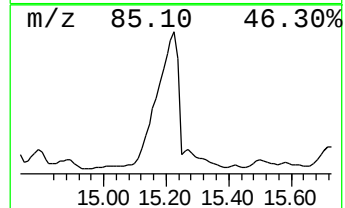
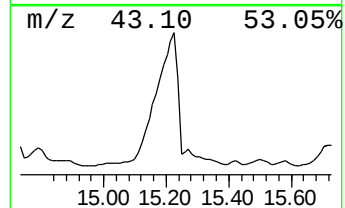
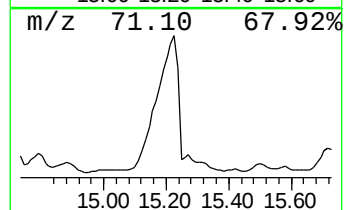
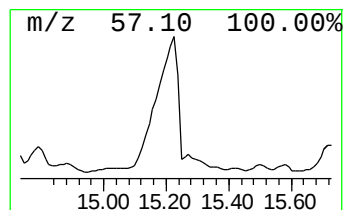
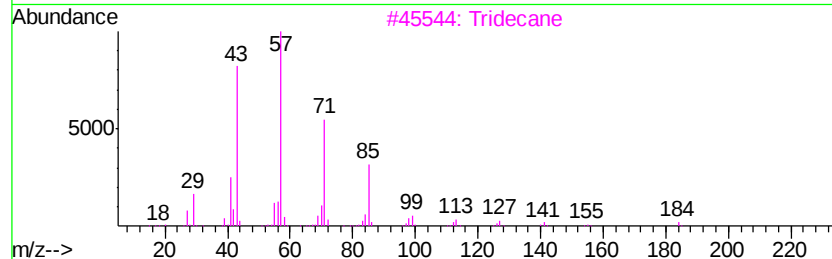
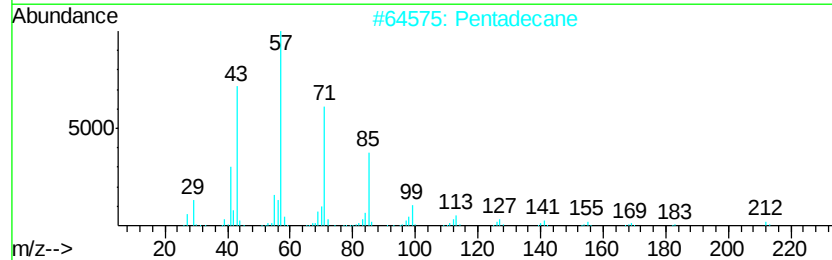
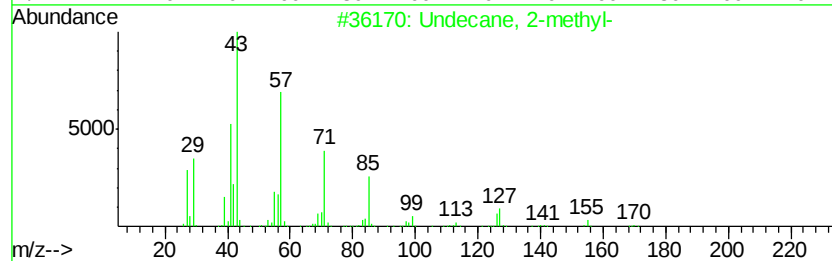
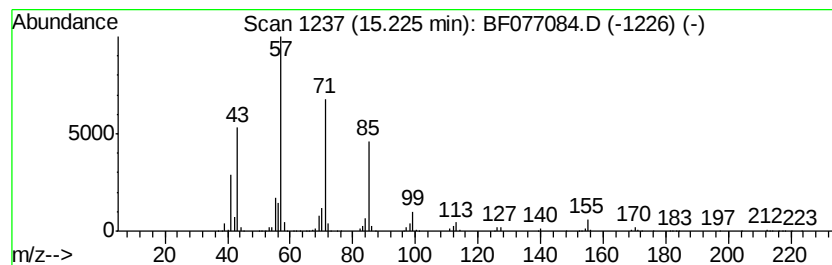
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Undecane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.23	48.08 ng	25606900	Acenaphthene-d10		14.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-			170	C12H26	007045-71-8	90
2	Pentadecane			212	C15H32	000629-62-9	86
3	Tridecane			184	C13H28	000629-50-5	78
4	Decane, 2,3,5-trimethyl-			184	C13H28	062238-11-3	78
5	1-Iodo-2-methylundecane			296	C12H25I	073105-67-6	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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Acq On : 27 Jan 2015 11:09
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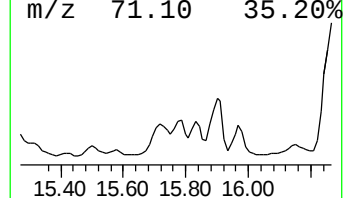
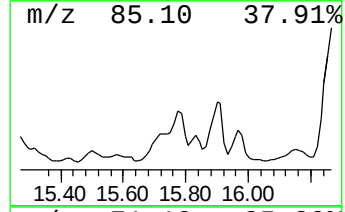
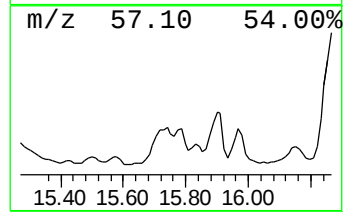
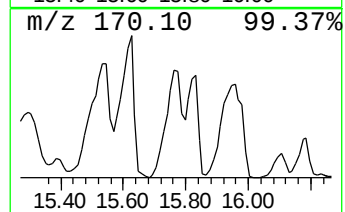
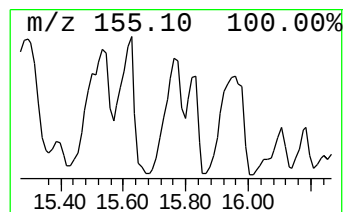
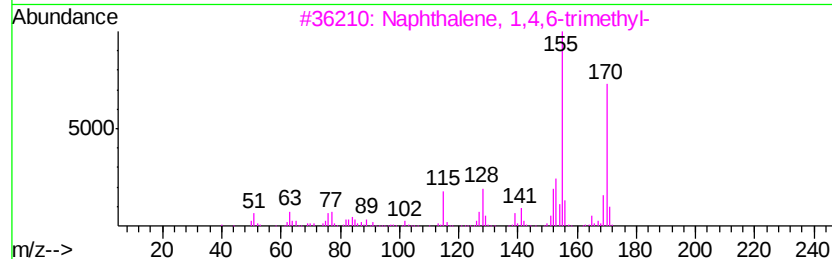
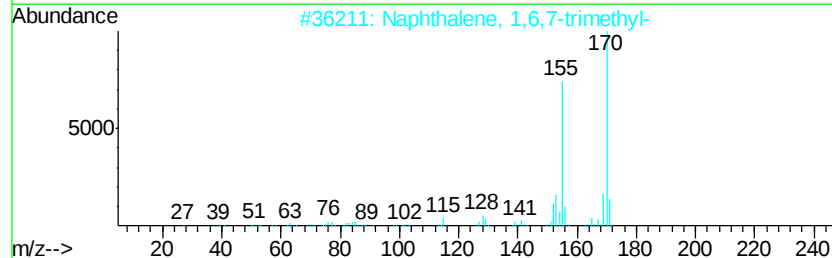
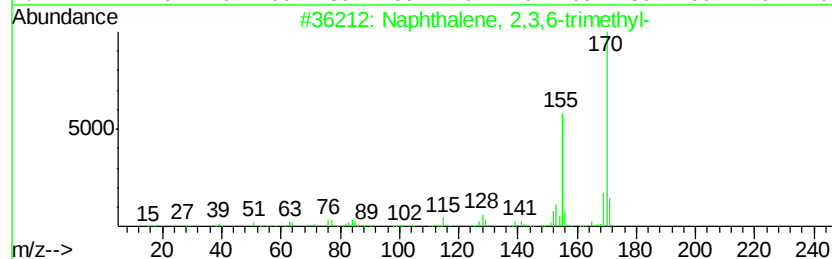
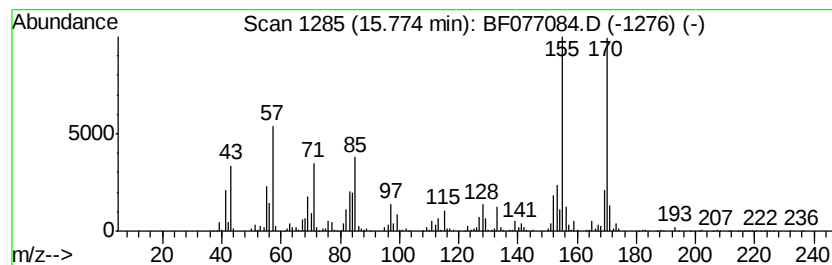
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	28.54 ng	15203900	Acenaphthene-d10	14.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

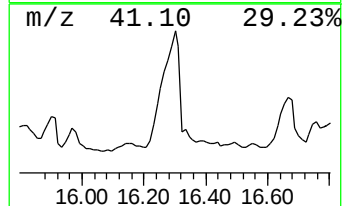
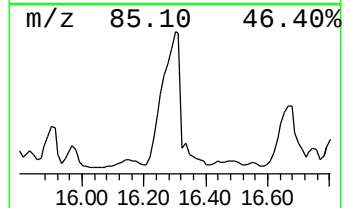
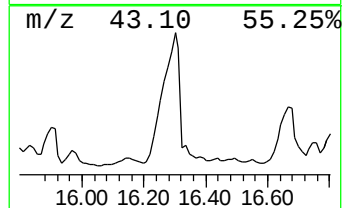
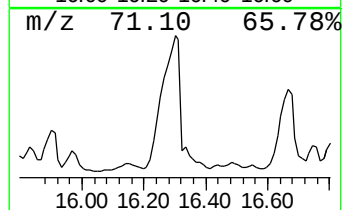
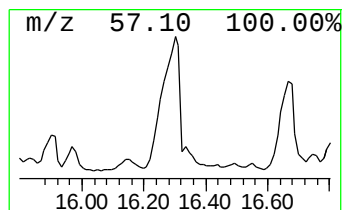
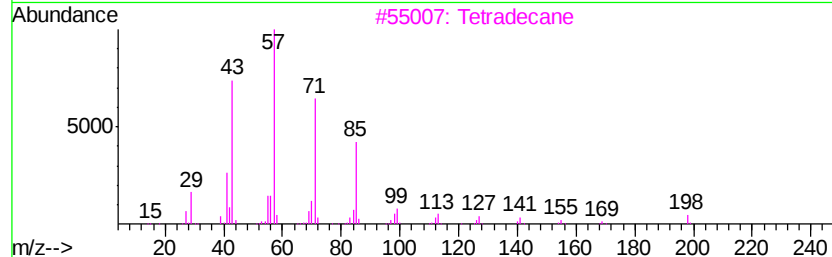
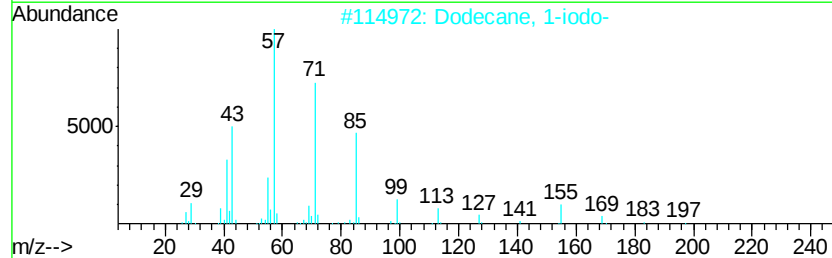
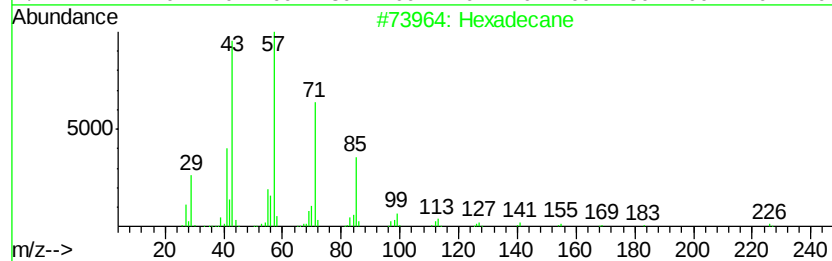
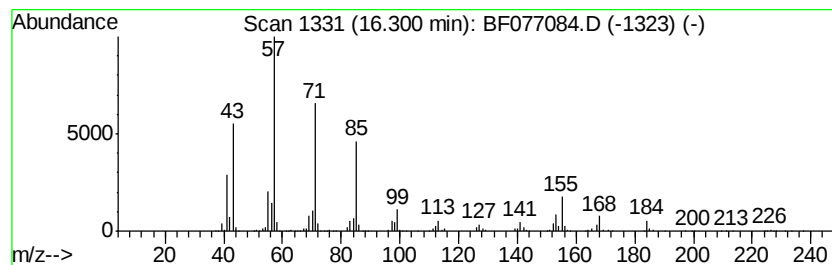
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.30	129.23 ng	34622500	Phenanthrene-d10		17.64	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	95
2	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	72
3	Tetradecane		198	C14H30	000629-59-4	64
4	Pentadecane		212	C15H32	000629-62-9	64
5	Tridecane		184	C13H28	000629-50-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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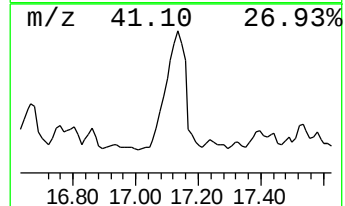
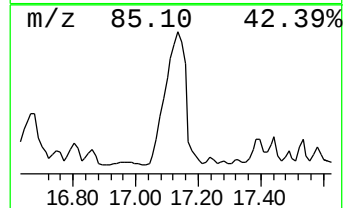
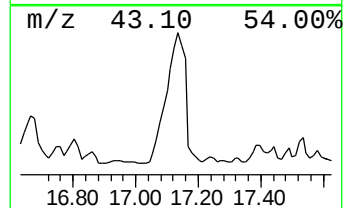
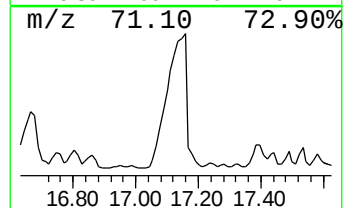
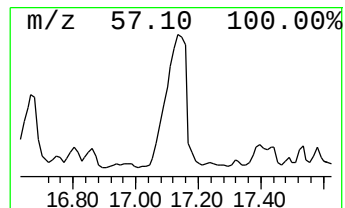
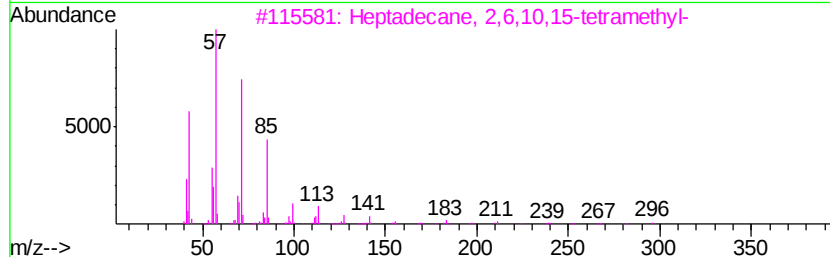
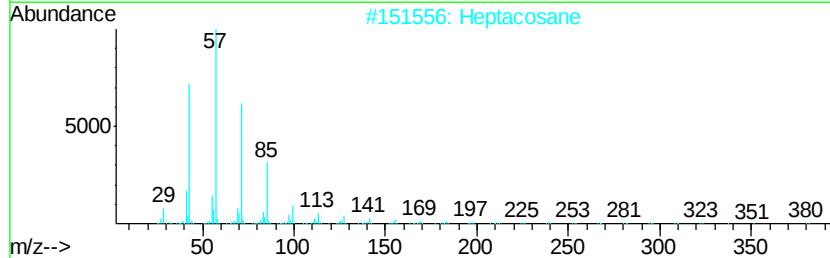
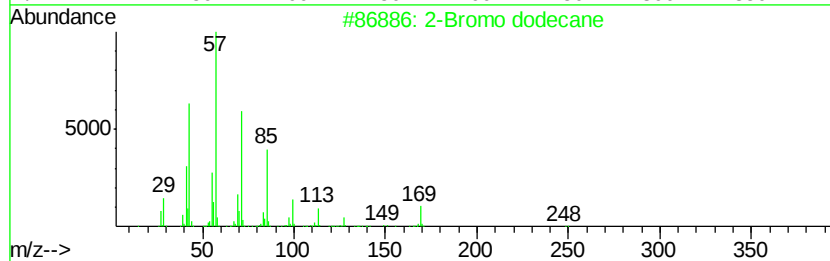
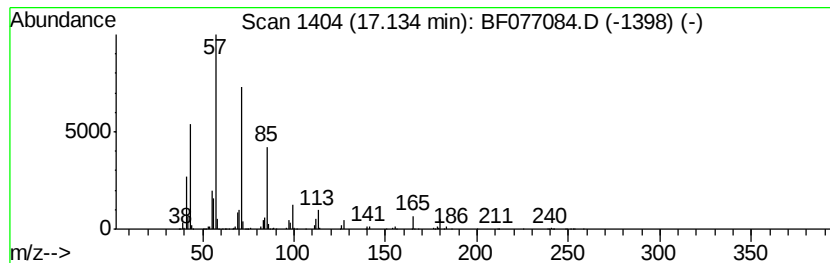
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Bromo dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	102.65 ng	27501200	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	87
2		Heptacosane	380	C27H56	000593-49-7	86
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4		Hexadecane	226	C16H34	000544-76-3	86
5		Tetracosane	338	C24H50	000646-31-1	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
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Sample : G1137-04
Misc :
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Instrument :
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ClientSampleId :
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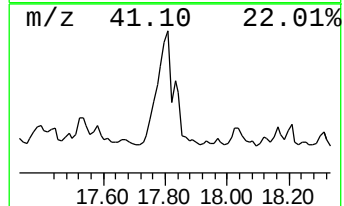
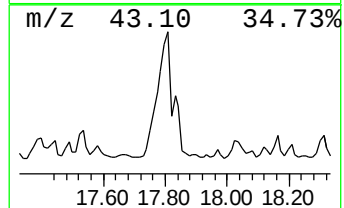
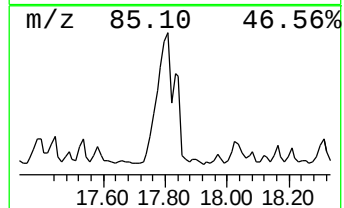
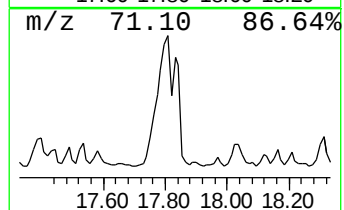
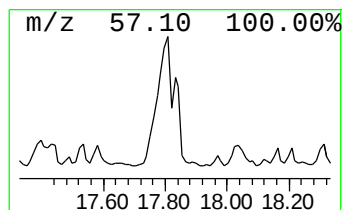
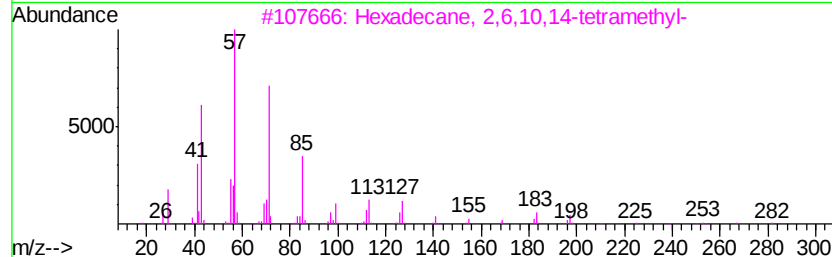
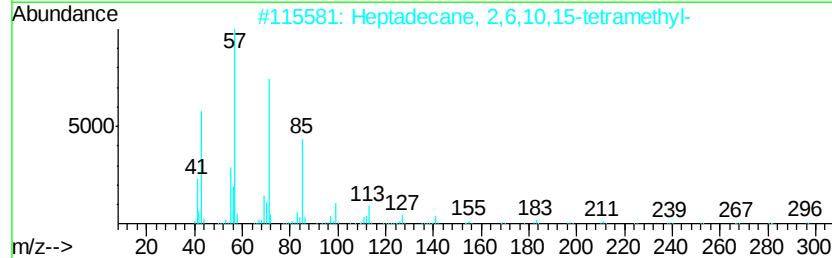
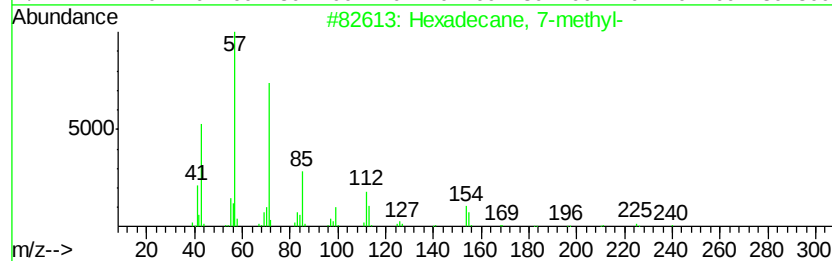
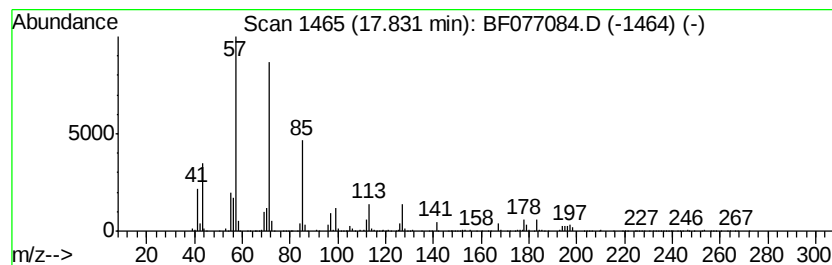
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	26.82 ng	7186450	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	87
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4		Tridecane	184	C13H28	000629-50-5	80
5		Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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Acq On : 27 Jan 2015 11:09
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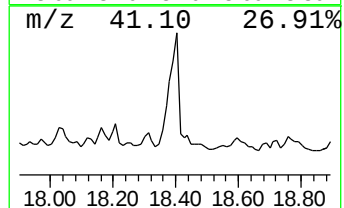
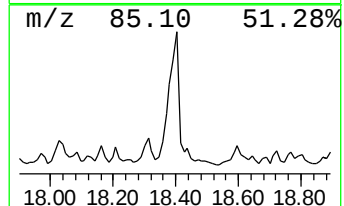
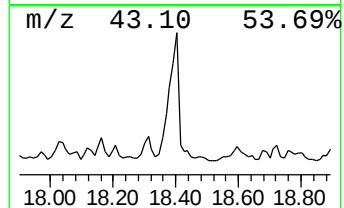
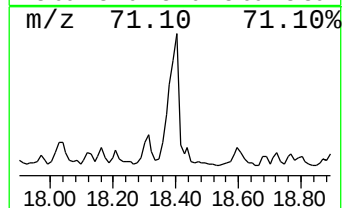
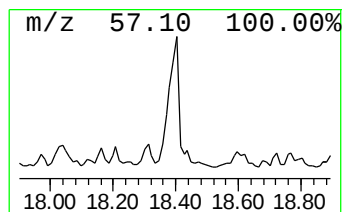
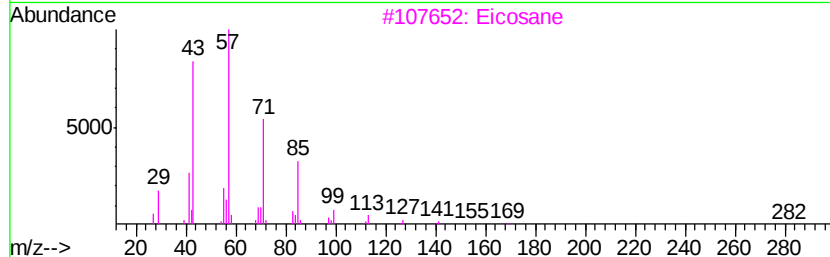
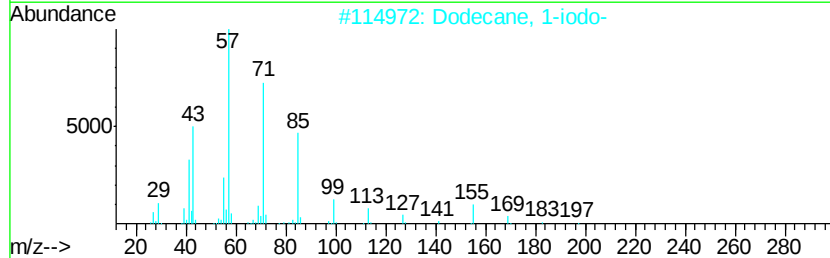
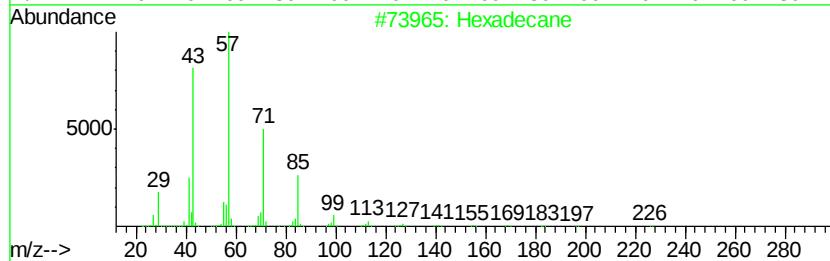
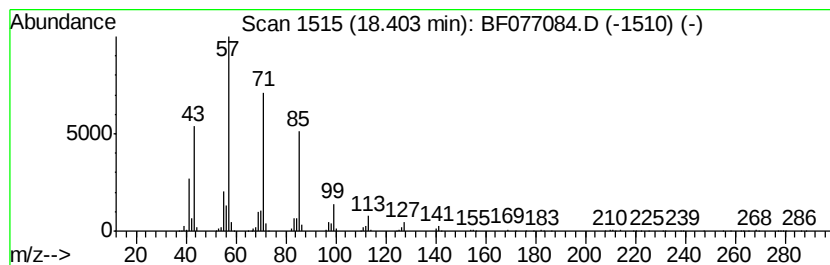
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dodecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	45.61 ng	12219100	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3		Eicosane	282	C20H42	000112-95-8	80
4		Heptacosane	380	C27H56	000593-49-7	80
5		Nonadecane	268	C19H40	000629-92-5	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
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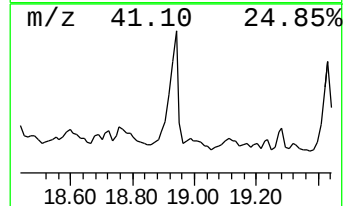
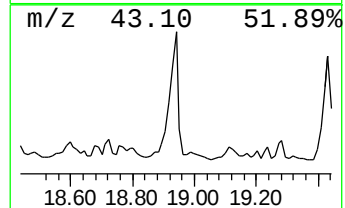
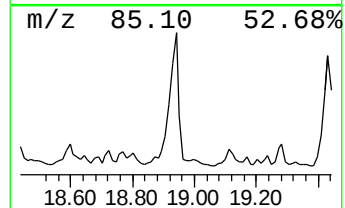
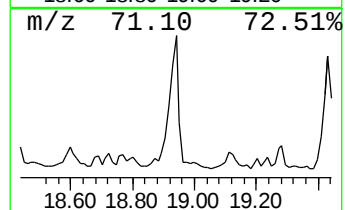
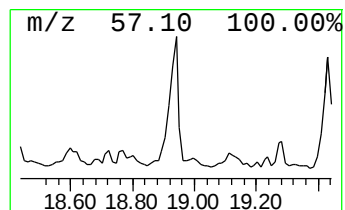
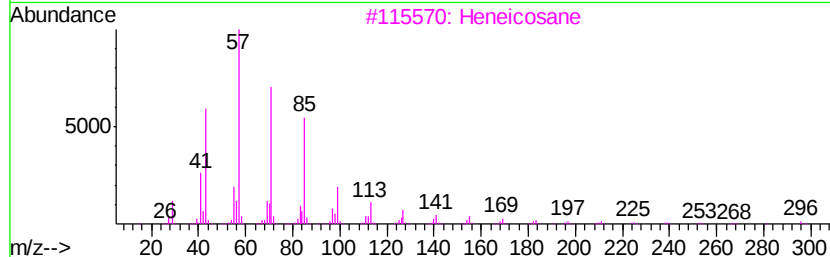
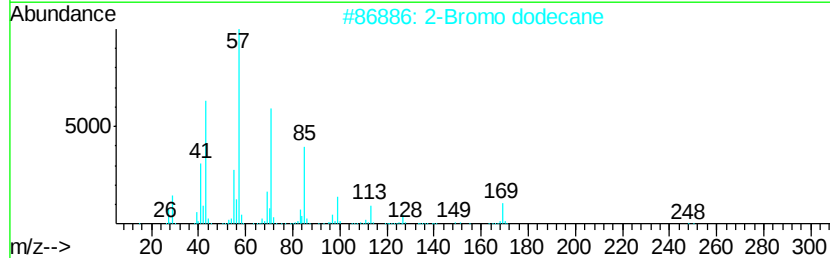
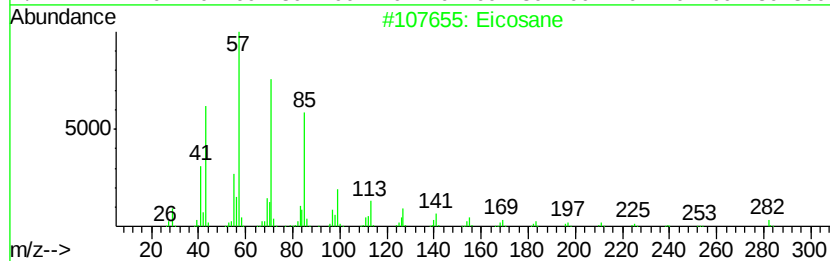
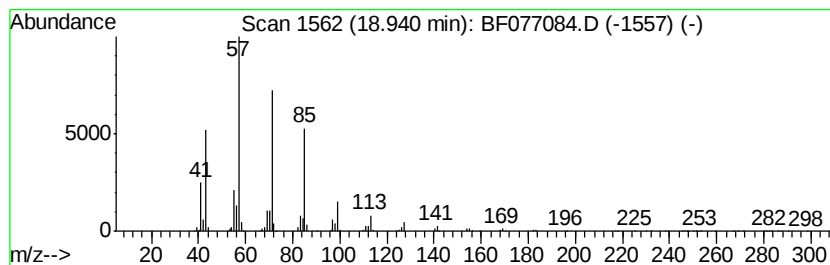
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	42.53 ng	11395000	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Nonadecane	268	C19H40	000629-92-5	91
5		Hexadecane	226	C16H34	000544-76-3	90



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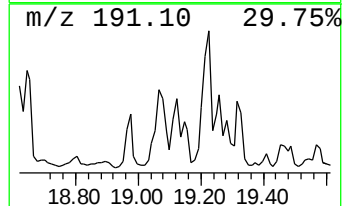
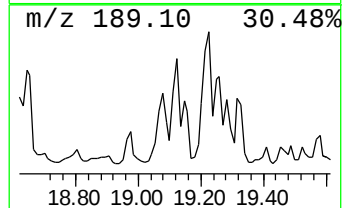
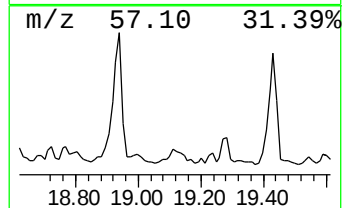
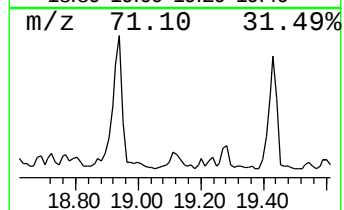
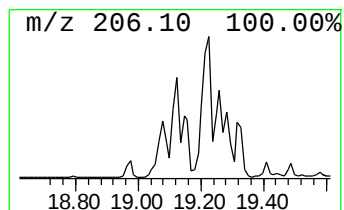
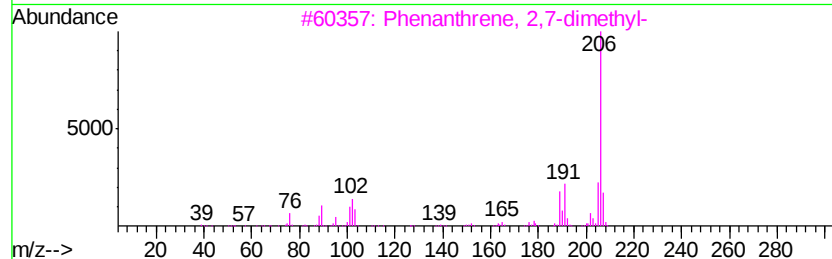
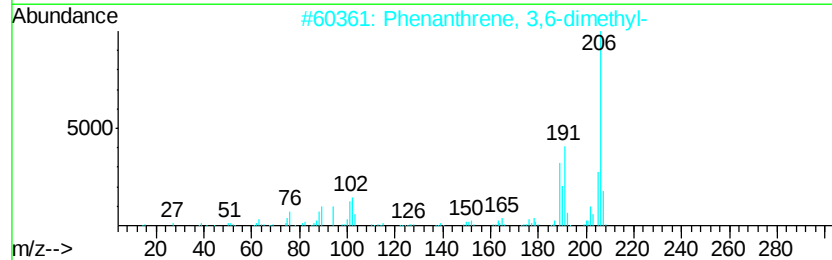
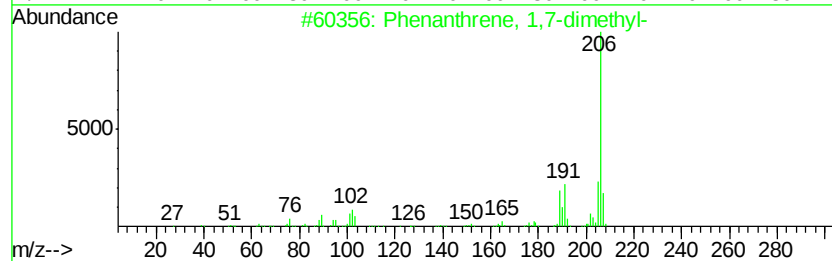
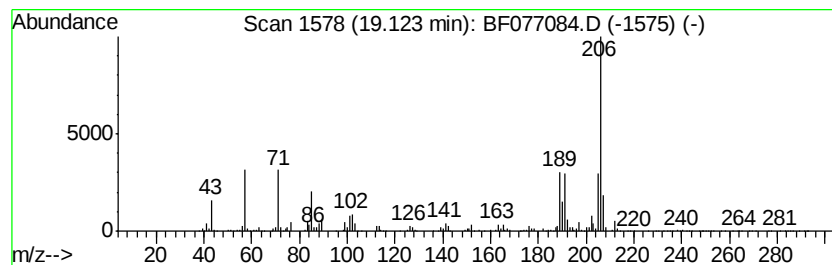
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	20.27 ng	5430150	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	76
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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Acq On : 27 Jan 2015 11:09
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ClientSampleId :
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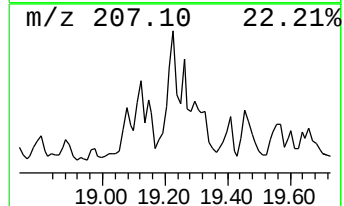
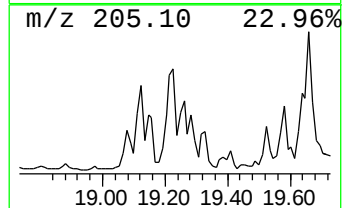
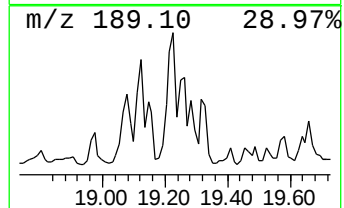
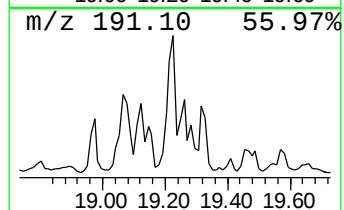
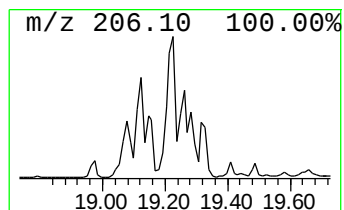
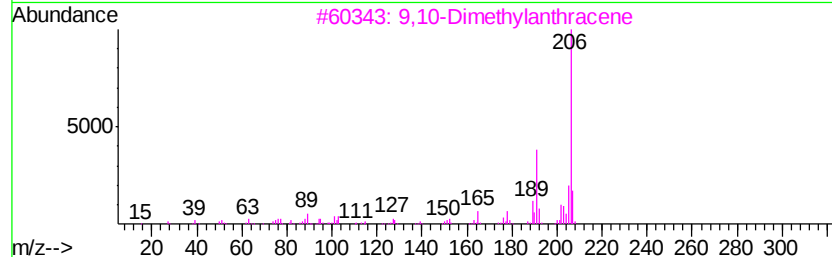
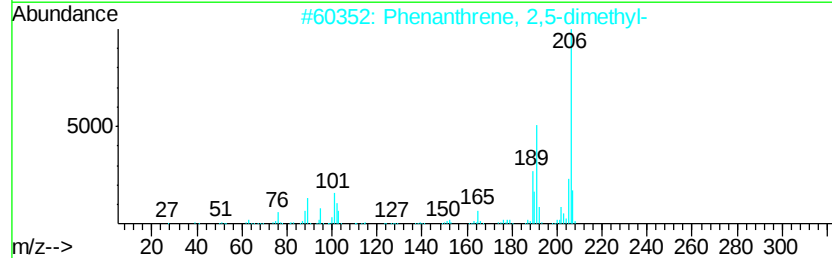
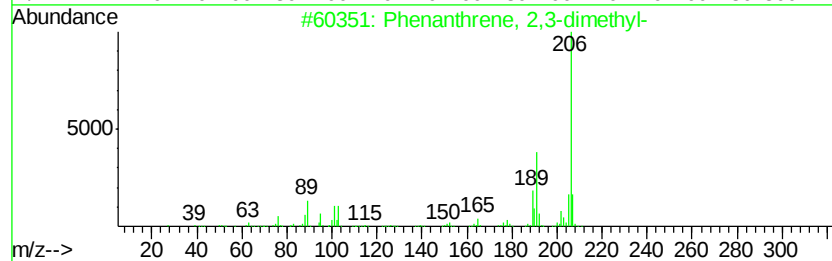
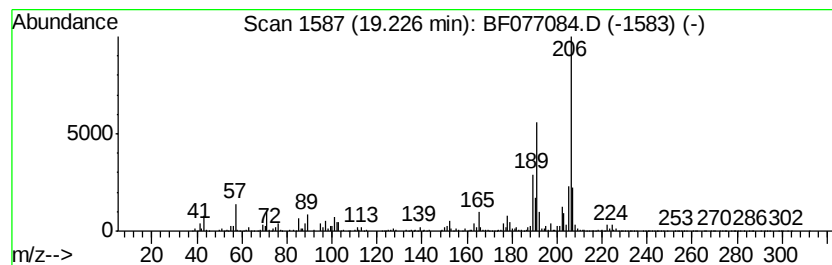
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	21.80 ng	5841910	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
104B3

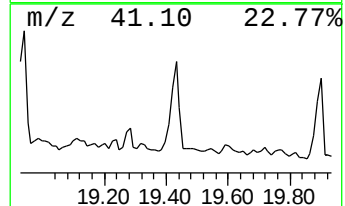
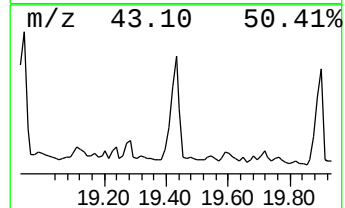
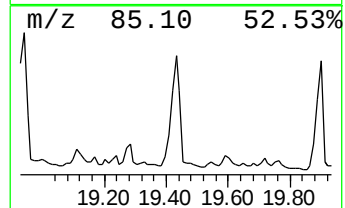
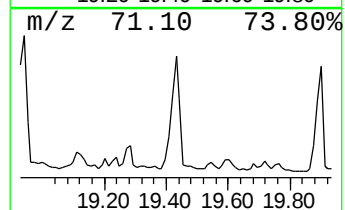
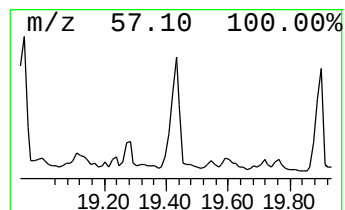
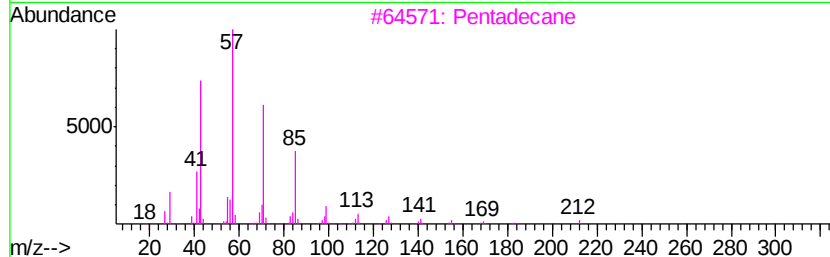
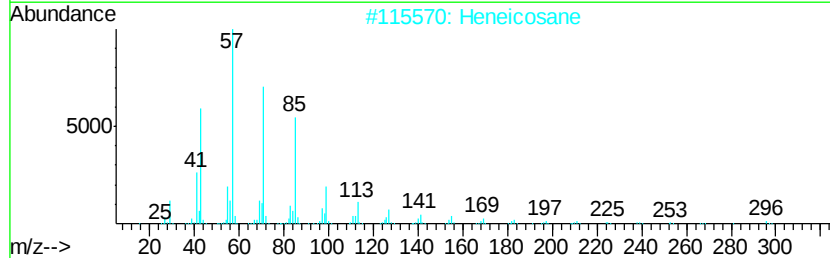
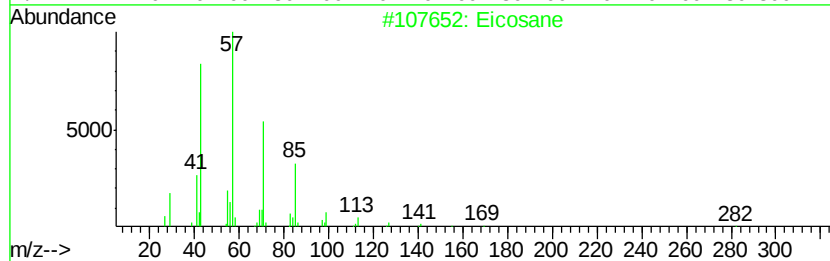
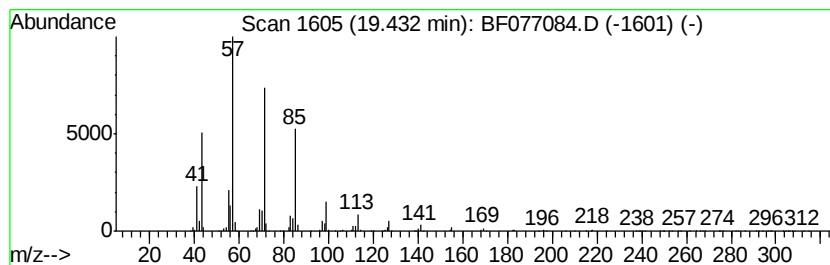
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	105.25 ng	10279900	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Pentadecane	212	C15H32	000629-62-9	90
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

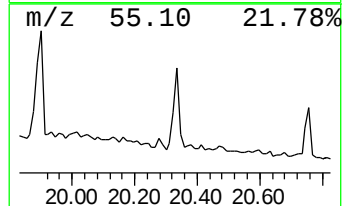
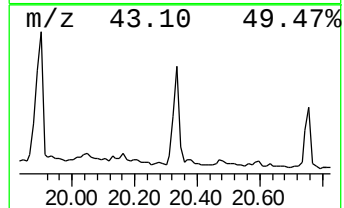
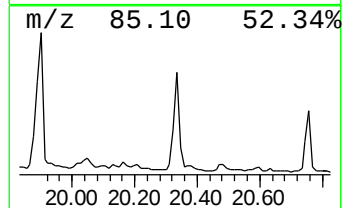
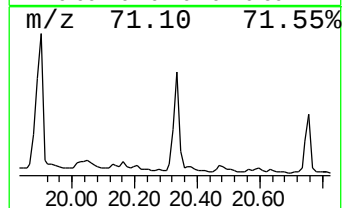
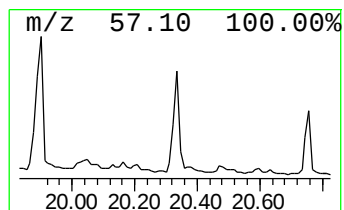
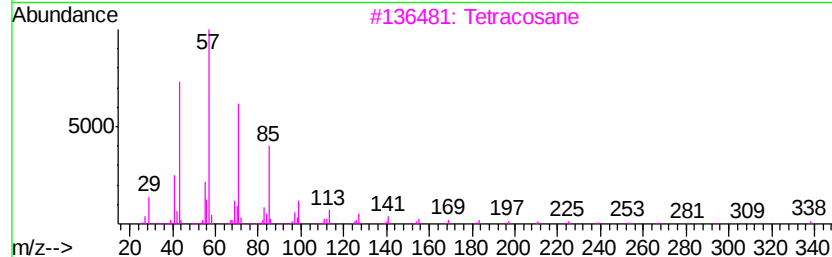
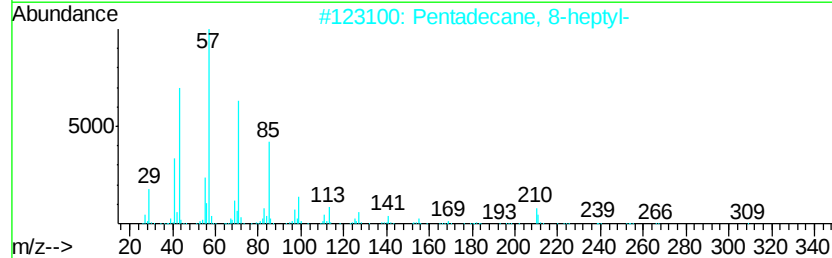
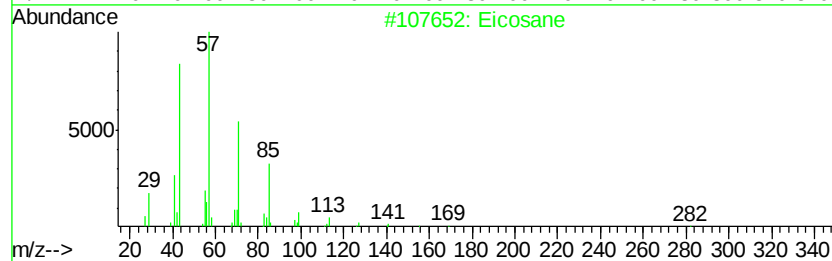
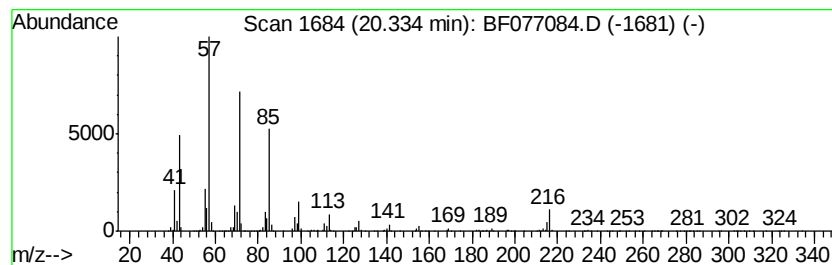
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	47.77 ng	4665480	Chrysene-d12	21.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane	282 C20H42	000112-95-8	97
2	Pentadecane, 8-heptyl-	310 C22H46	071005-15-7	87
3	Tetracosane	338 C24H50	000646-31-1	83
4	1-Iodoundecane	282 C11H23I	004282-44-4	81
5	Heptadecane	240 C17H36	000629-78-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

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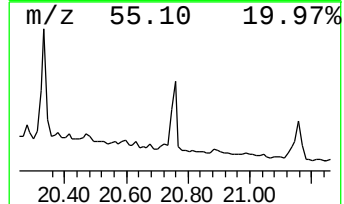
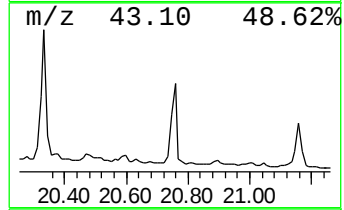
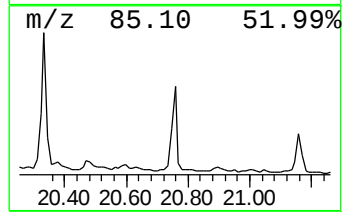
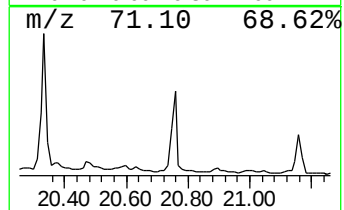
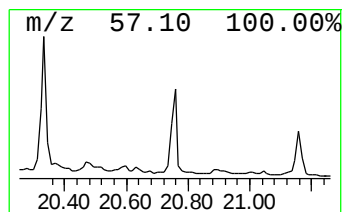
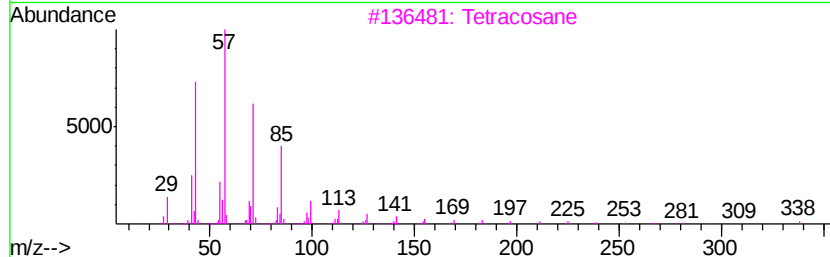
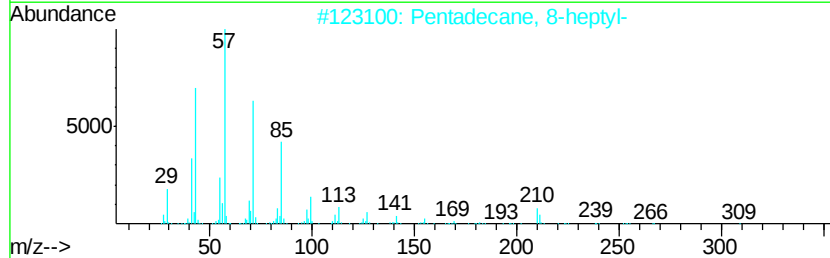
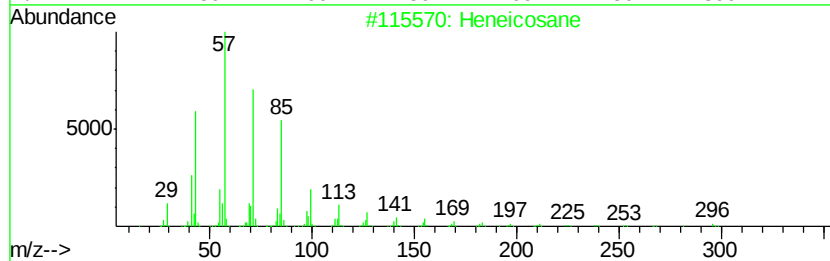
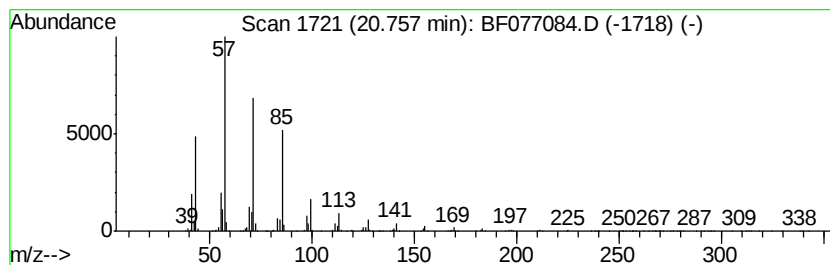
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentadecane, 8-heptyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	26.79 ng	2616770	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
3		Tetracosane	338	C24H50	000646-31-1	90
4		Heptacosane	380	C27H56	000593-49-7	83
5		Pentadecane	212	C15H32	000629-62-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077084.D
 Acq On : 27 Jan 2015 11:09
 Operator : TP/IZ
 Sample : G1137-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 104B3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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
Decane	7.59	27.0	ng	4655980	1	7.78	3448530	20.0
2,4-Nonadiyne	7.93	20.0	ng	3448530	1	7.78	3448530	20.0
Benzene, 1-methyl...	8.63	33.0	ng	5684850	1	7.78	3448530	20.0
Undecane	9.42	24.1	ng	16190200	2	10.71	13447800	20.0
Naphthalene, 1,2,...	12.00	21.3	ng	14308100	2	10.71	13447800	20.0
Tetradecane	12.55	38.7	ng	26018600	2	10.71	13447800	20.0
unknown13.56	13.56	25.2	ng	13443200	3	14.80	10652600	20.0
Naphthalene, 2,3-...	14.23	34.3	ng	18263300	3	14.80	10652600	20.0
Undecane, 2-methyl-	15.23	48.1	ng	25606900	3	14.80	10652600	20.0
Naphthalene, 2,3,...	15.77	28.5	ng	15203900	3	14.80	10652600	20.0
Hexadecane	16.30	129.2	ng	34622500	4	17.64	5358370	20.0
2-Bromo dodecane	17.13	102.7	ng	27501200	4	17.64	5358370	20.0
Hexadecane, 7-met...	17.83	26.8	ng	7186450	4	17.64	5358370	20.0
Dodecane, 1-iodo-	18.40	45.6	ng	12219100	4	17.64	5358370	20.0
Eicosane	18.94	42.5	ng	11395000	4	17.64	5358370	20.0
Phenanthrene, 1,7...	19.12	20.3	ng	5430150	4	17.64	5358370	20.0
Phenanthrene, 2,3...	19.23	21.8	ng	5841910	4	17.64	5358370	20.0
Heneicosane	19.43	105.3	ng	10279900	5	21.17	1953410	20.0
Tetracosane	20.33	47.8	ng	4665480	5	21.17	1953410	20.0
Pentadecane, 8-he...	20.76	26.8	ng	2616770	5	21.17	1953410	20.0