

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077883.D
 Acq On : 21 Mar 2015 1:40
 Operator : TP/IZ
 Sample : G1589-02
 Misc : W
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

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	1.767	75	77	103	rVB	617633	1015409	8.31%	0.347%
2	6.202	462	465	469	rVB3	602145	1070690	8.76%	0.366%
3	6.442	481	486	490	rBV5	288322	715220	5.85%	0.244%
4	6.533	492	494	495	rBV2	564968	840398	6.88%	0.287%
5	6.567	495	497	501	rVB3	510880	865994	7.09%	0.296%
6	6.636	501	503	506	rBV2	677422	817767	6.69%	0.279%
7	6.705	506	509	511	rBV3	379852	756708	6.19%	0.259%
8	6.807	516	518	519	rBV	553895	770495	6.30%	0.263%
9	6.842	519	521	523	rVB	1188874	1358795	11.12%	0.464%
10	6.945	528	530	532	rVB3	910292	1047768	8.57%	0.358%
11	7.070	538	541	543	rBV4	398580	916749	7.50%	0.313%
12	7.173	548	550	551	rVB	1482898	1570018	12.85%	0.536%
13	7.310	559	562	565	rBV2	1372710	2770920	22.67%	0.947%
14	7.447	571	574	576	rBV2	708137	1013602	8.29%	0.346%
15	7.482	576	577	580	rVB2	908694	1629541	13.33%	0.557%
16	7.539	580	582	583	rBV	1607298	1803017	14.75%	0.616%
17	7.573	583	585	587	rBV	1231325	1786475	14.62%	0.610%
18	7.630	589	590	593	rVB2	1151539	1953131	15.98%	0.667%
19	7.722	596	598	599	rBV	437703	740549	6.06%	0.253%
20	7.802	601	605	609	rBV4	1583175	3388318	27.73%	1.158%
21	7.916	612	615	616	rBV3	474807	1103019	9.03%	0.377%
22	7.950	616	618	620	rVB2	1516662	1959422	16.03%	0.669%
23	7.985	620	621	623	rBV2	547020	881603	7.21%	0.301%
24	8.030	623	625	628	rVB4	1101828	1664537	13.62%	0.569%
25	8.088	628	630	632	rVB2	865793	1565081	12.81%	0.535%
26	8.122	632	633	637	rVB2	3064287	3960891	32.41%	1.353%
27	8.202	637	640	641	rBV2	978910	1112479	9.10%	0.380%
28	8.259	641	645	648	rBV2	3040837	5998743	49.09%	2.049%
29	8.316	648	650	652	rVB2	1035479	1381099	11.30%	0.472%
30	8.362	652	654	656	rBV3	1826720	3489143	28.55%	1.192%
31	8.408	656	658	659	rVV2	2294843	3137249	25.67%	1.072%
32	8.453	659	662	664	rVB3	2491202	3841153	31.43%	1.312%
33	8.499	664	666	671	rBV3	3045515	6427040	52.59%	2.196%
34	8.579	671	673	674	rBV	939883	1204902	9.86%	0.412%

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35	8.682	679	682	683	rBV3	2177193	4269695	34.94%	1.459%
36	8.716	683	685	687	rVV3	2409197	3381028	27.67%	1.155%
37	8.773	687	690	694	rVB4	1649488	3538074	28.95%	1.209%
38	8.842	694	696	699	rBV2	4152692	5308308	43.44%	1.814%
39	8.968	705	707	711	rBV4	2309464	4546876	37.21%	1.553%
40	9.059	714	715	717	rVV2	1509922	2542393	20.80%	0.869%
41	9.105	717	719	721	rVV2	2443713	3960180	32.40%	1.353%
42	9.150	721	723	725	rVV	1875095	3277382	26.82%	1.120%
43	9.196	725	727	729	rVV3	2086040	4312209	35.28%	1.473%
44	9.299	733	736	739	rVV2	5100027	8667649	70.92%	2.961%
45	9.356	739	741	743	rVV	2130489	2972789	24.32%	1.016%
46	9.413	743	746	749	rVV5	1128349	2615004	21.40%	0.893%
47	9.505	751	754	756	rVV3	1998192	4368688	35.75%	1.493%
48	9.551	756	758	760	rVV2	1791800	3564445	29.17%	1.218%
49	9.608	760	763	766	rVB4	2273344	5729510	46.88%	1.957%
50	9.676	766	769	770	rBV3	639978	1029885	8.43%	0.352%
51	9.733	770	774	775	rBV3	2968348	5517786	45.15%	1.885%
52	9.756	775	776	778	rVV2	2491250	3449116	28.22%	1.178%
53	9.882	781	787	789	rBV6	2474381	8039454	65.78%	2.747%
54	9.916	789	790	792	rVV2	1521970	1986600	16.26%	0.679%
55	9.962	792	794	795	rVB3	882039	1188159	9.72%	0.406%
56	10.042	796	801	805	rVB4	3615658	8024662	65.66%	2.742%
57	10.156	809	811	813	rBV3	1550028	2779603	22.74%	0.950%
58	10.225	815	817	819	rBV2	1401711	2705613	22.14%	0.924%
59	10.305	822	824	827	rVB3	1592710	2943129	24.08%	1.005%
60	10.408	830	833	835	rBV	3254377	6484223	53.06%	2.215%
61	10.499	838	841	843	rBV2	2900769	7106321	58.15%	2.428%
62	10.625	847	852	856	rVB5	4004781	12221129	100.00%	4.175%
63	10.739	860	862	863	rBV	2297207	1850844	15.14%	0.632%
64	10.796	863	867	869	rVB4	1764861	2714295	22.21%	0.927%
65	10.899	872	876	879	rBV4	1956604	5324874	43.57%	1.819%
66	11.059	887	890	892	rVB	2386687	4820258	39.44%	1.647%
67	11.094	892	893	895	rVB2	891017	1196045	9.79%	0.409%
68	11.174	897	900	902	rBV2	2596249	5653470	46.26%	1.931%
69	11.231	903	905	906	rVB	2604797	2925637	23.94%	1.000%
70	11.276	906	909	910	rBV3	1781323	2307833	18.88%	0.788%
71	11.322	910	913	914	rBV	1989607	2673477	21.88%	0.913%

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72	11.356	914	916	917	rVB	2041537	2509372	20.53%	0.857%
73	11.425	919	922	927	rBV4	2187217	5358138	43.84%	1.831%
74	11.528	929	931	934	rBV4	828364	1845495	15.10%	0.630%
75	11.585	934	936	938	rVB2	2000076	2227487	18.23%	0.761%
76	11.631	938	940	942	rBV2	2093263	3624544	29.66%	1.238%
77	11.779	948	953	955	rBV4	3362220	6909549	56.54%	2.361%
78	11.894	961	963	965	rVB3	2056351	3367134	27.55%	1.150%
79	11.939	965	967	971	rVB4	1403998	2158432	17.66%	0.737%
80	12.008	971	973	975	rBV3	942427	1588438	13.00%	0.543%
81	12.054	975	977	979	rVV2	1639318	1734223	14.19%	0.592%
82	12.122	979	983	989	rVV2	3995343	10598257	86.72%	3.621%
83	12.317	998	1000	1002	rBV3	1606636	2386740	19.53%	0.815%
84	12.682	1030	1032	1035	rVB	3578086	4767861	39.01%	1.629%
85	12.774	1038	1040	1042	rVB	1315010	1191323	9.75%	0.407%
86	12.819	1042	1044	1046	rVB3	818686	1147834	9.39%	0.392%
87	12.899	1049	1051	1052	rBV	764955	1096054	8.97%	0.374%
88	13.048	1062	1064	1067	rVV2	798238	1253616	10.26%	0.428%
89	13.105	1067	1069	1071	rVB2	1142228	1589076	13.00%	0.543%
90	13.151	1071	1073	1075	rBV2	1011006	1360971	11.14%	0.465%
91	13.368	1090	1092	1094	rBV	1426392	2170406	17.76%	0.741%
92	13.402	1094	1095	1098	rVB	1728341	2338591	19.14%	0.799%
93	13.505	1101	1104	1105	rBV2	1151959	1972782	16.14%	0.674%
94	13.962	1142	1144	1145	rVB	1022968	1139998	9.33%	0.389%
95	14.054	1150	1152	1153	rVV	1656446	2077592	17.00%	0.710%
96	14.088	1153	1155	1157	rVV	1119877	1543502	12.63%	0.527%
97	14.157	1159	1161	1163	rBV	569484	849252	6.95%	0.290%
98	14.557	1194	1196	1198	rVB2	773836	1074616	8.79%	0.367%
99	14.602	1198	1200	1202	rVB	925507	1070727	8.76%	0.366%
100	14.717	1208	1210	1212	rVB	1295179	1200413	9.82%	0.410%

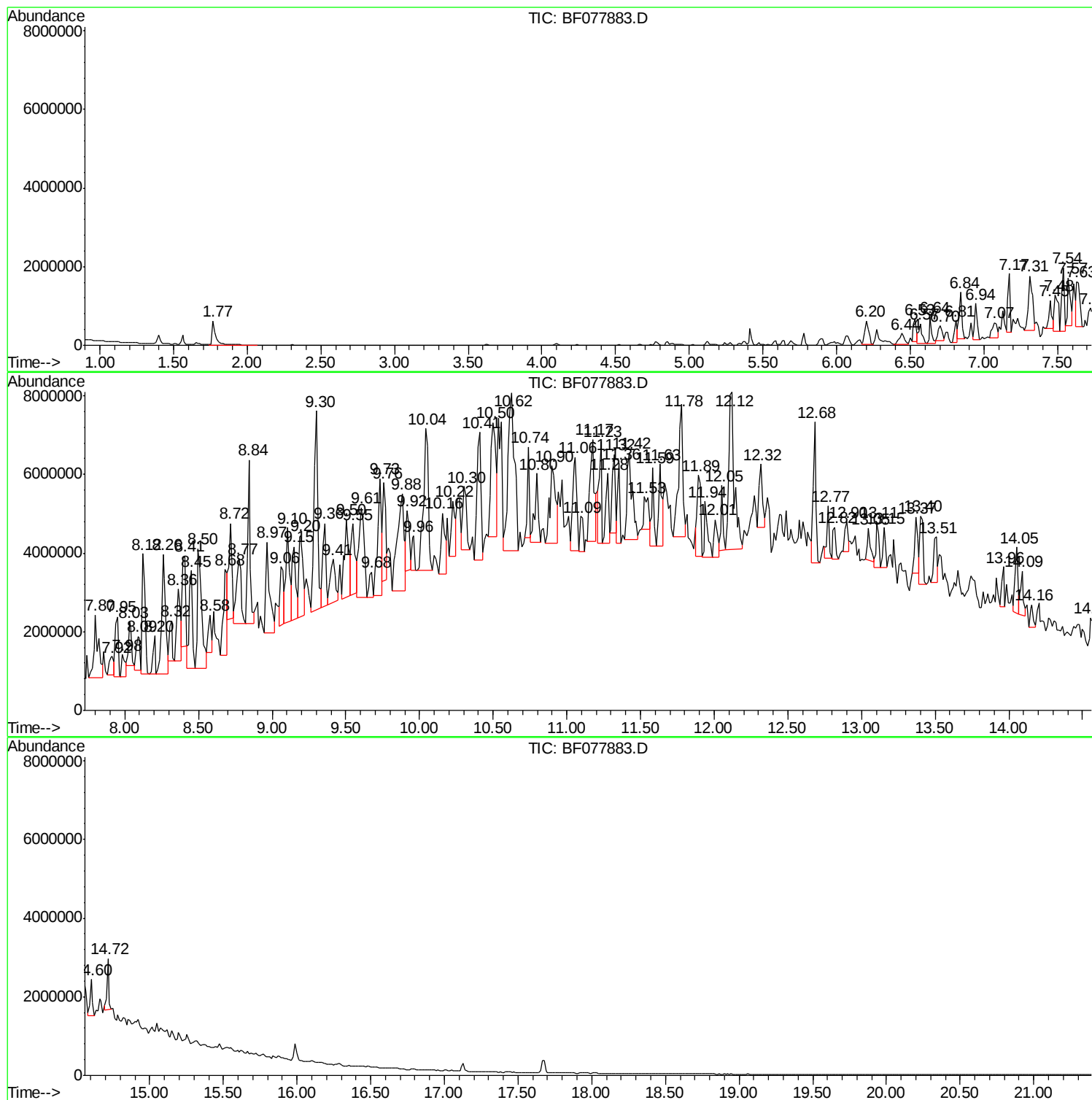
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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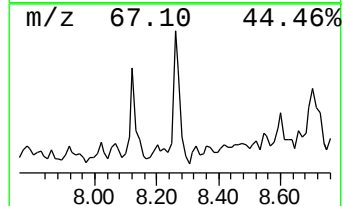
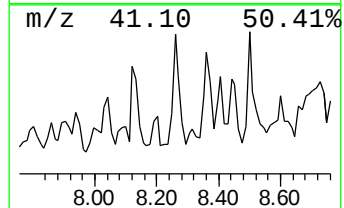
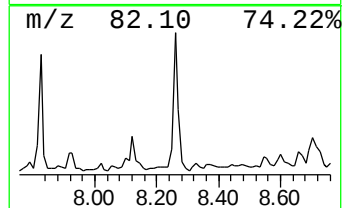
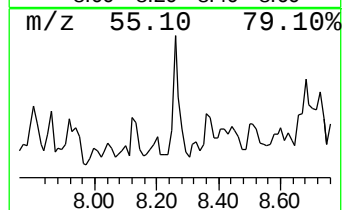
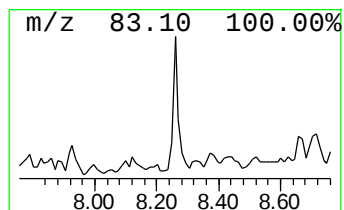
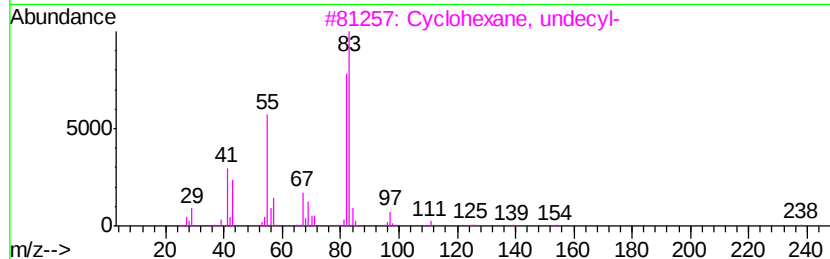
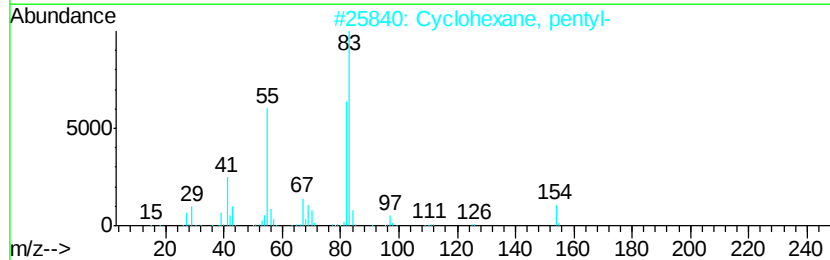
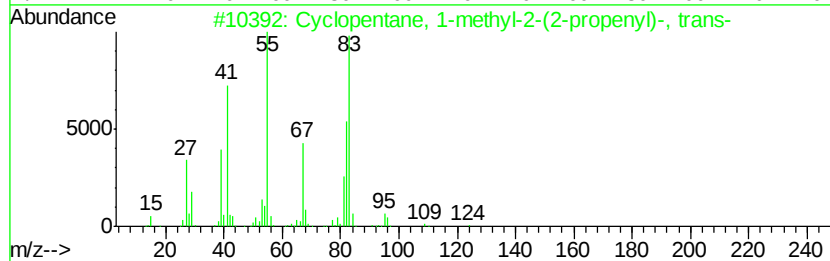
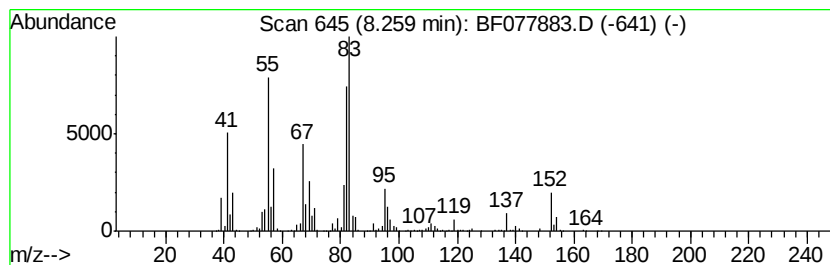
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclopentane, 1-methyl-2-(2... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	35.48 ng	5998740	Naphthalene-d8	8.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	64
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	53
4		n-Amylcyclohexane	154	C11H22	029949-27-7	52
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50



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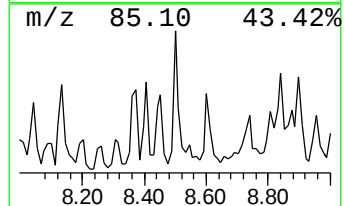
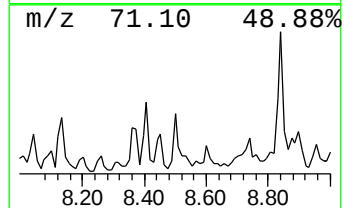
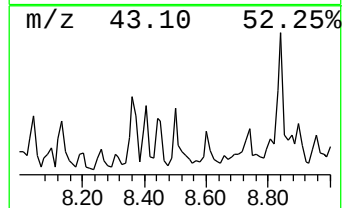
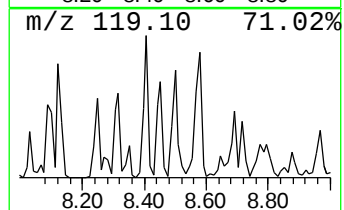
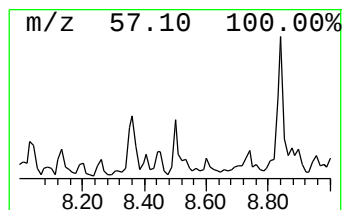
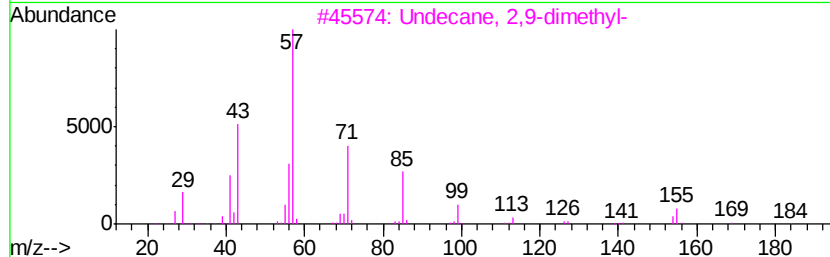
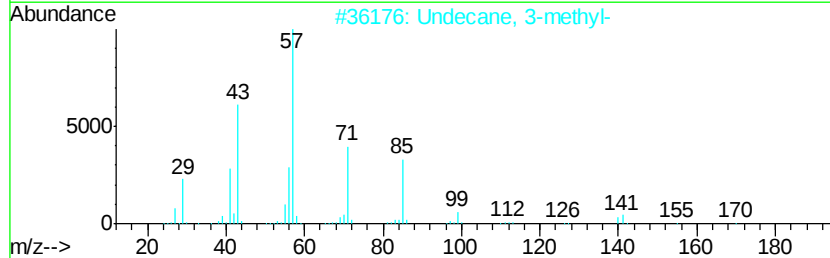
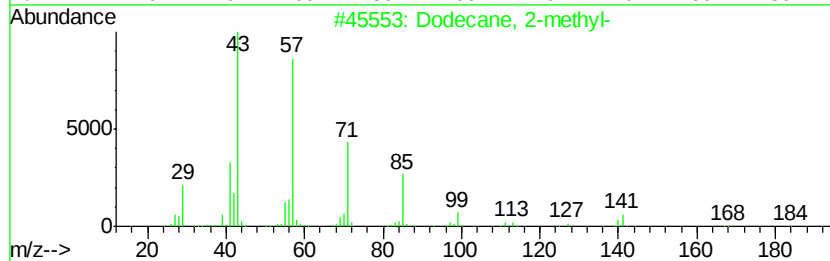
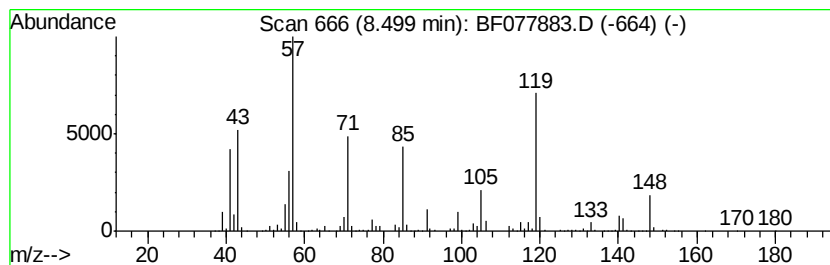
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown8.50 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	38.02 ng	6427040	Napthalene-d8	8.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	47
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	43
3		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	38
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	38
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	27



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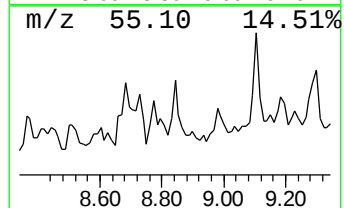
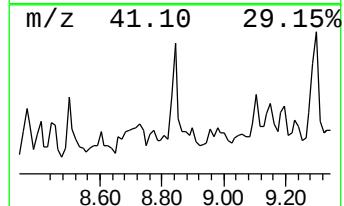
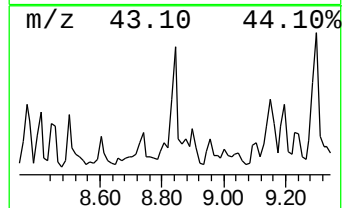
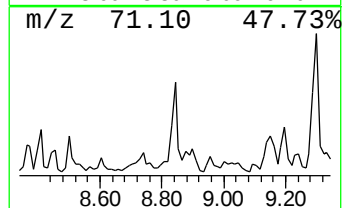
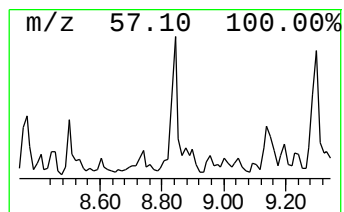
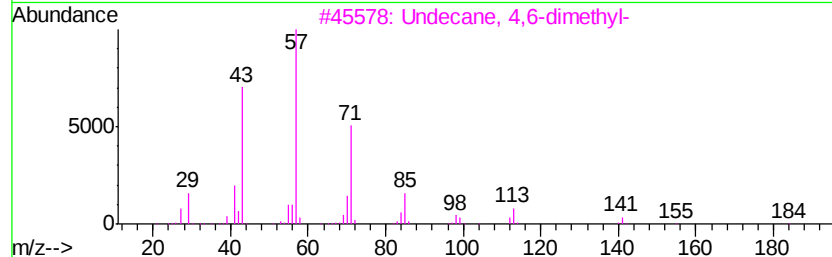
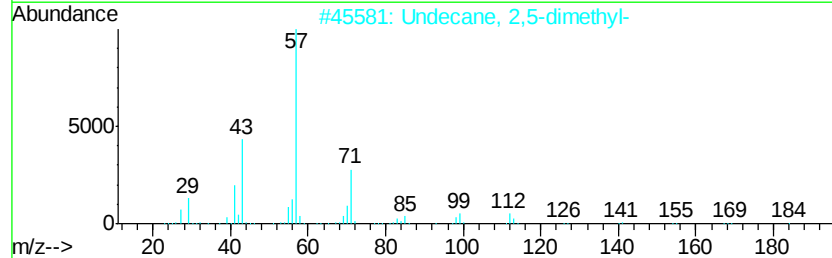
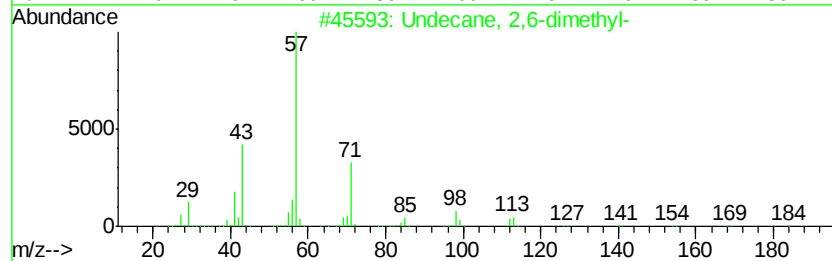
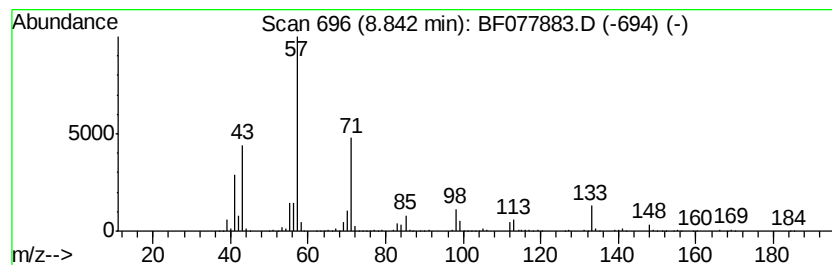
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	31.40 ng	5308310	Napthalene-d8	8.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	92
2		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	58
4		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	58
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

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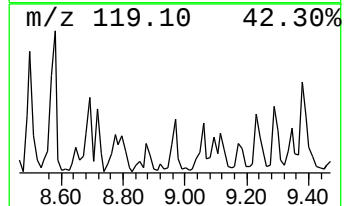
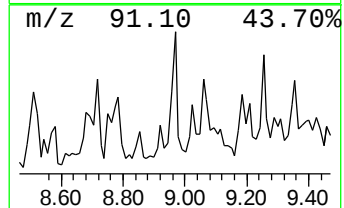
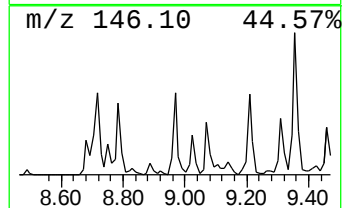
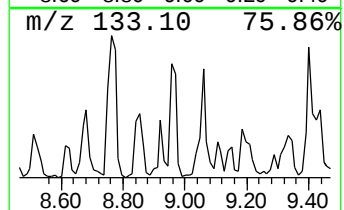
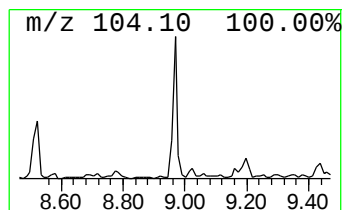
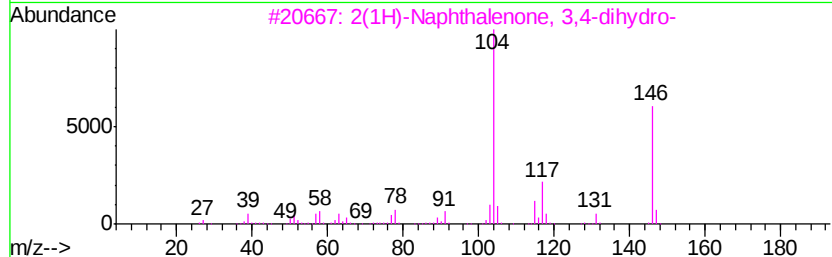
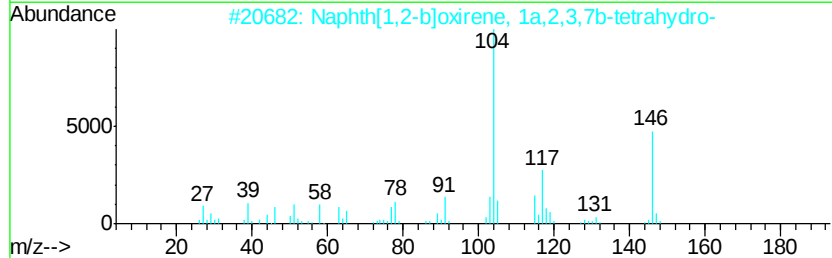
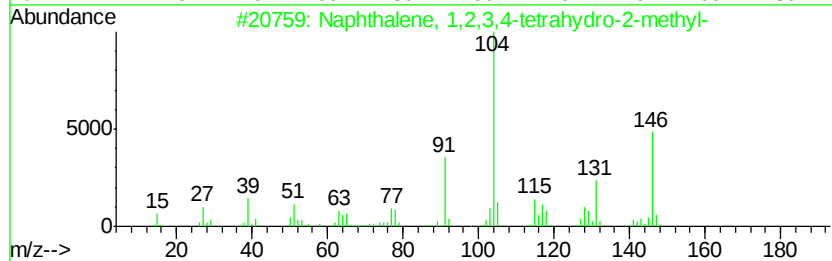
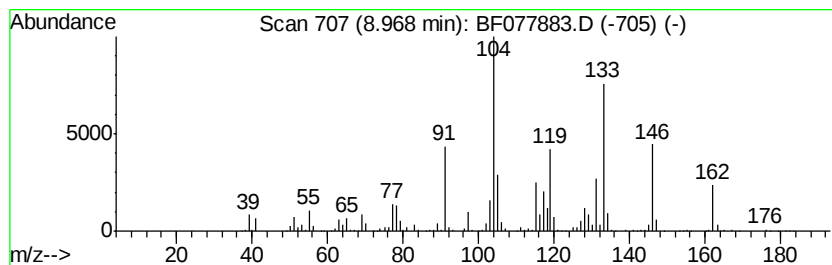
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown8.97 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	26.90 ng	4546880	Naphthalene-d8	8.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	46
2		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	38
3		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	35
4		Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	22
5		3-Heptene, 7-phenyl-	174	C13H18	026447-65-4	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

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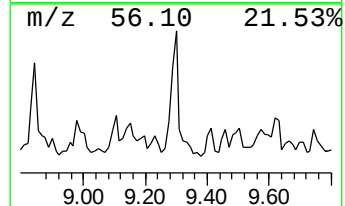
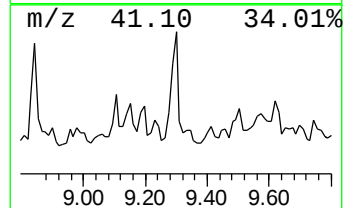
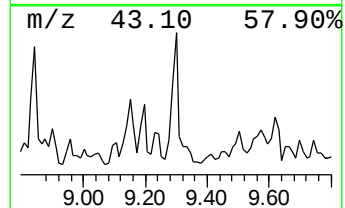
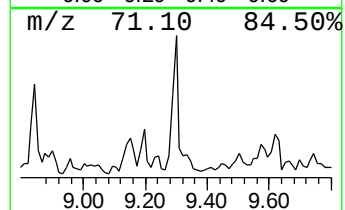
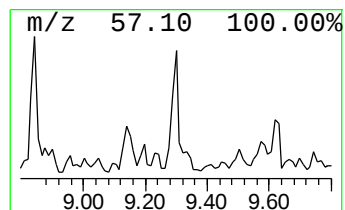
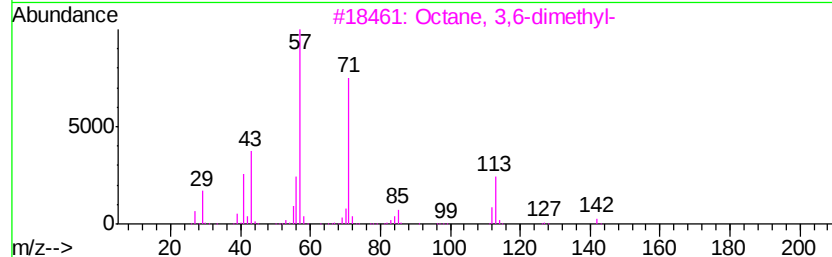
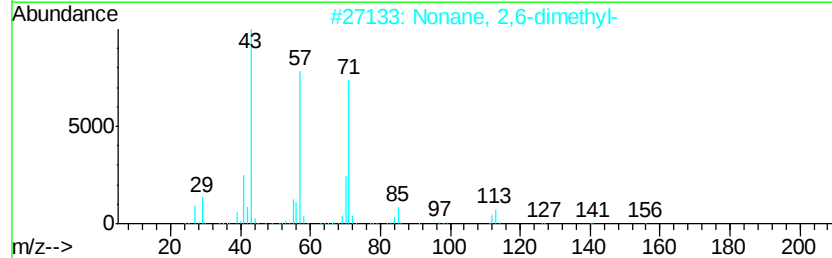
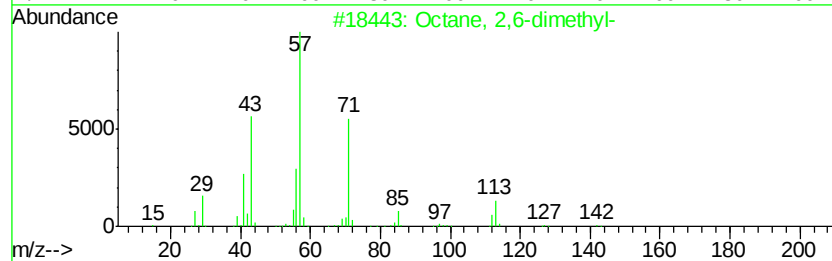
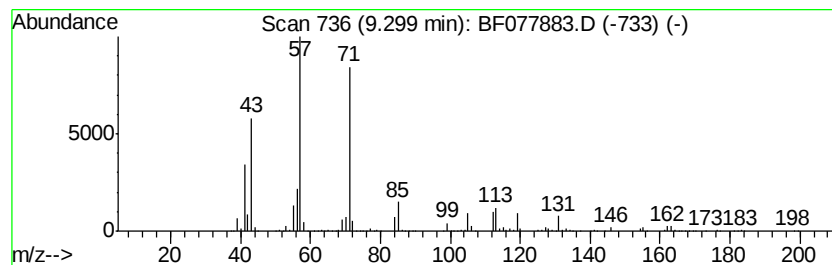
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	51.27 ng	8667650	Naphthalene-d8	8.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	59
5		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

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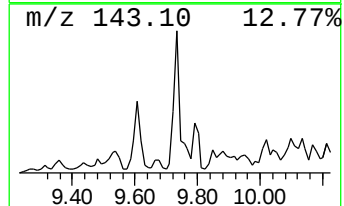
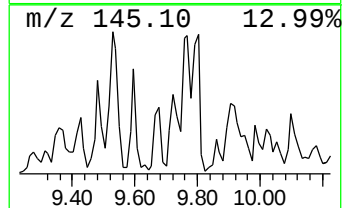
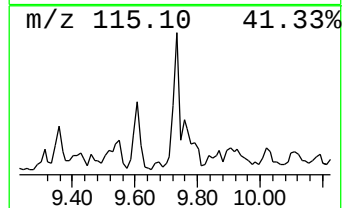
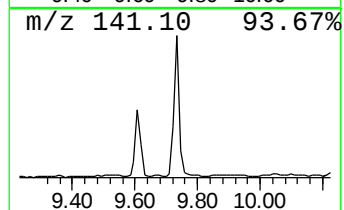
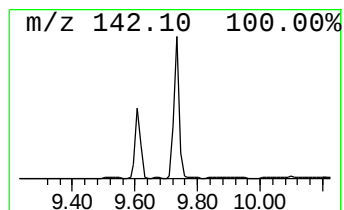
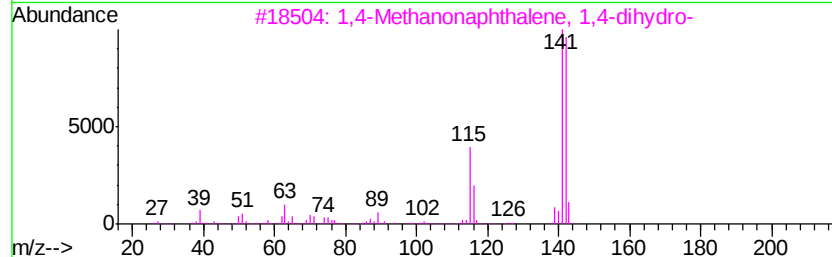
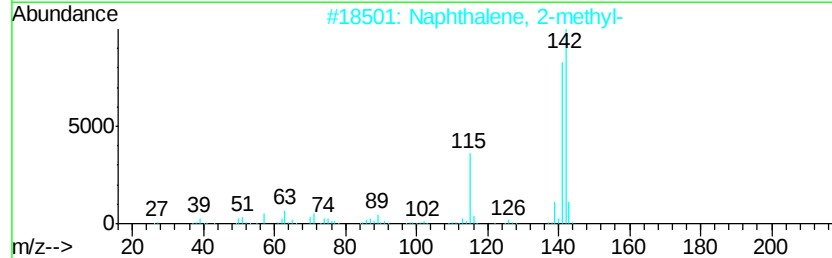
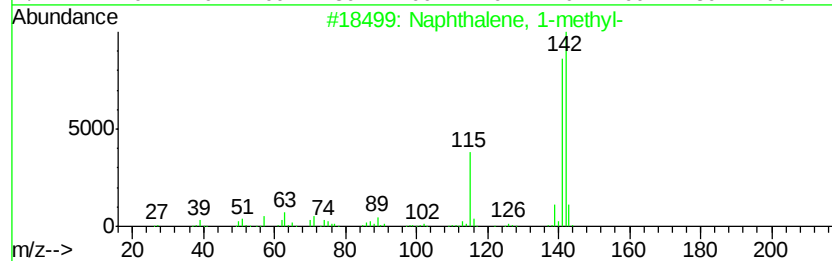
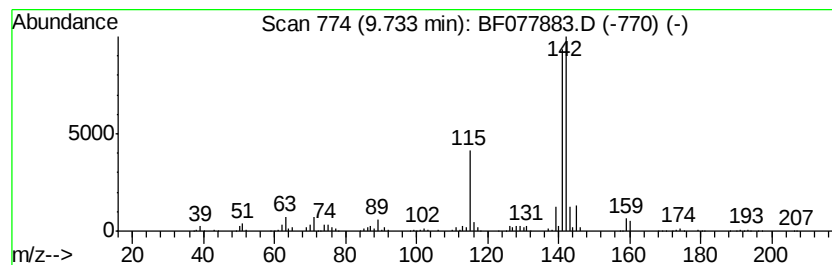
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	32.64 ng	5517790	Naphthalene-d8	8.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	93
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

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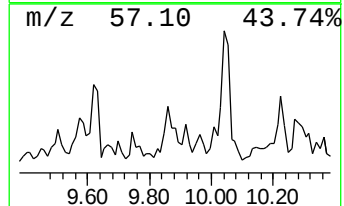
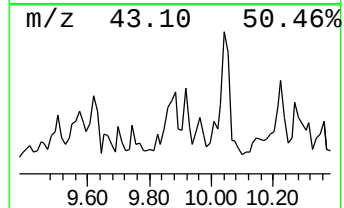
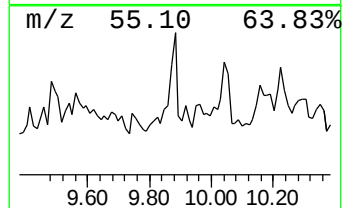
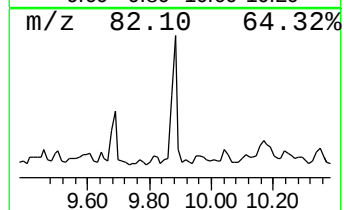
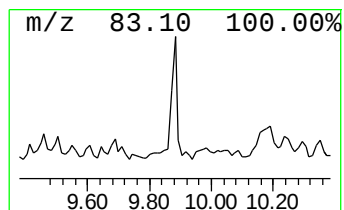
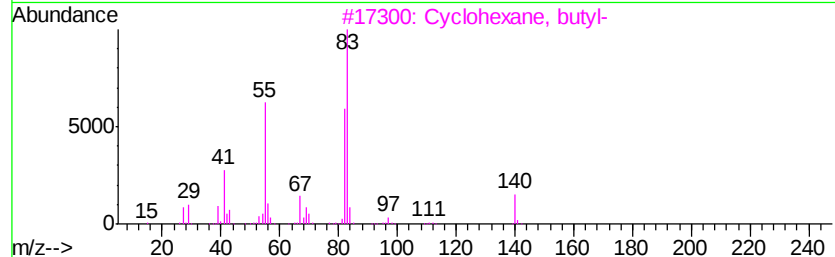
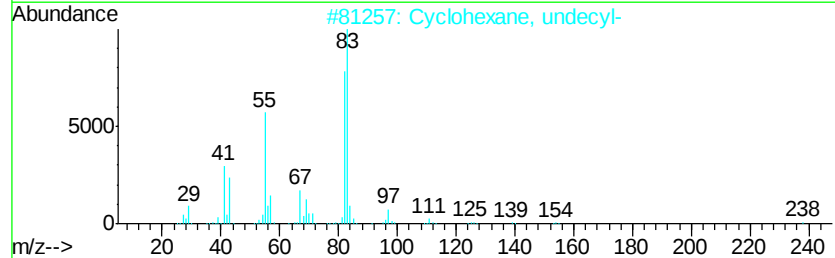
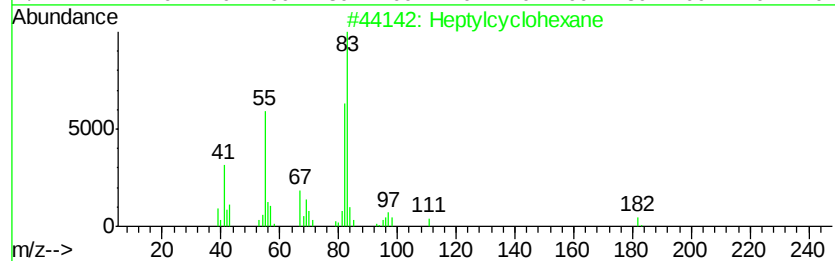
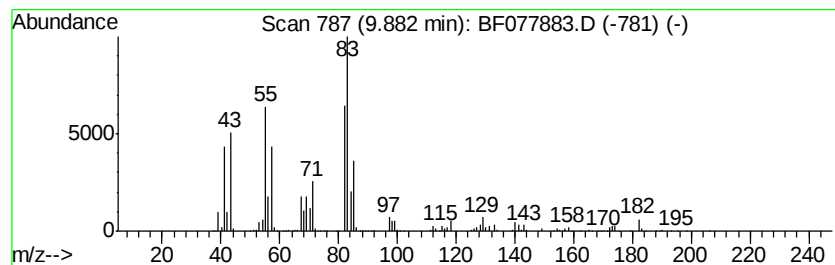
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptylcyclohexane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	30.20 ng	8039450	Acenaphthene-d10	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	52
2		Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	49
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
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Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

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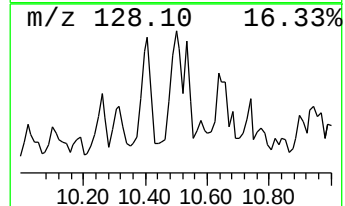
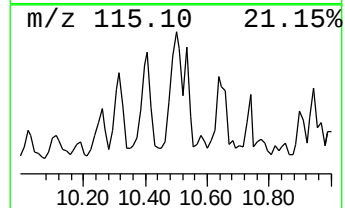
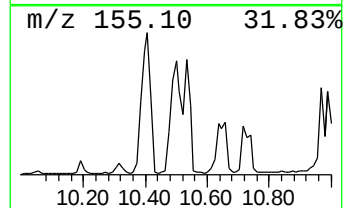
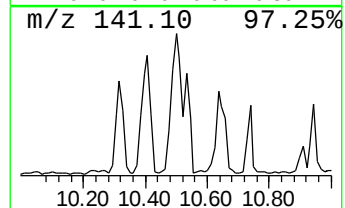
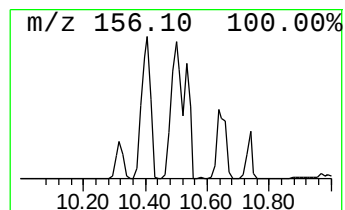
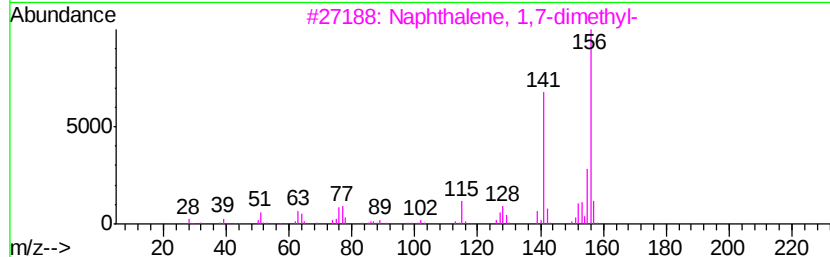
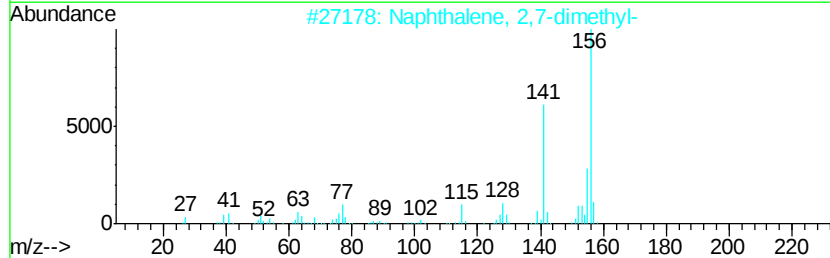
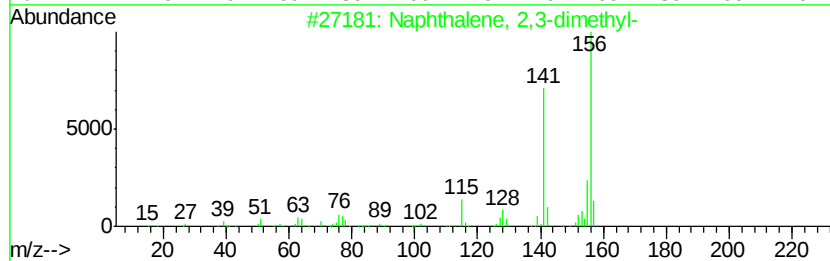
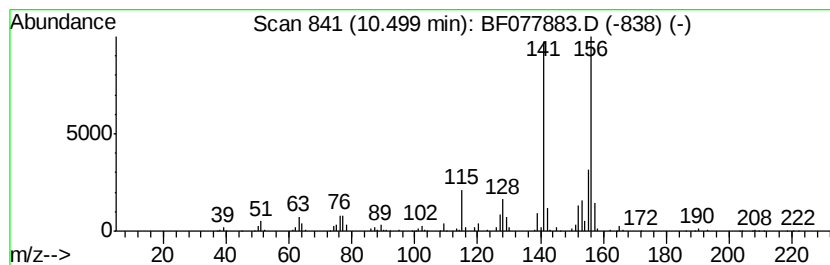
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	26.69 ng	7106320	Acenaphthene-d10	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
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Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

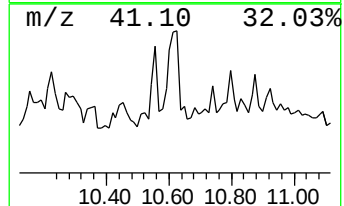
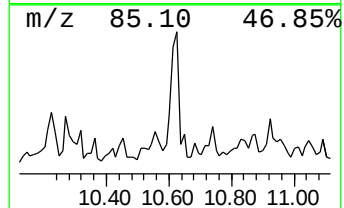
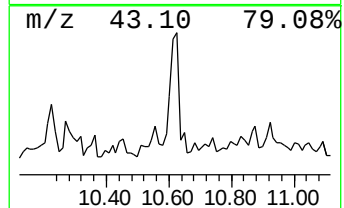
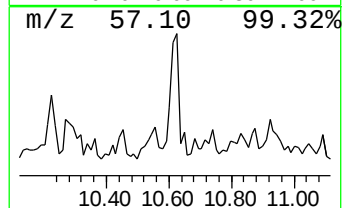
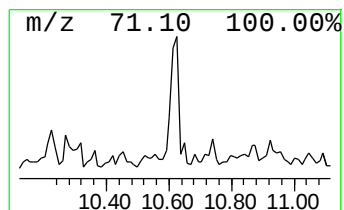
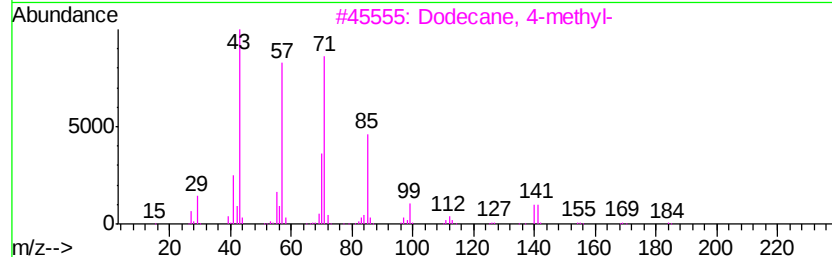
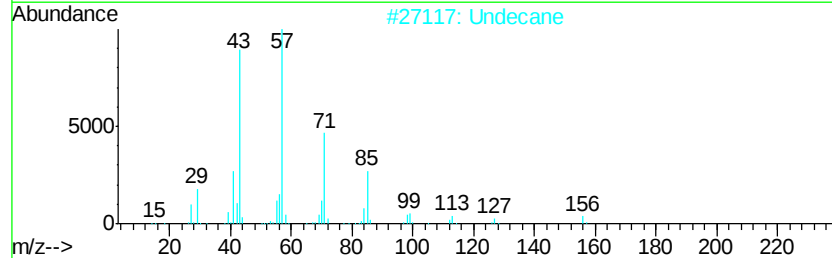
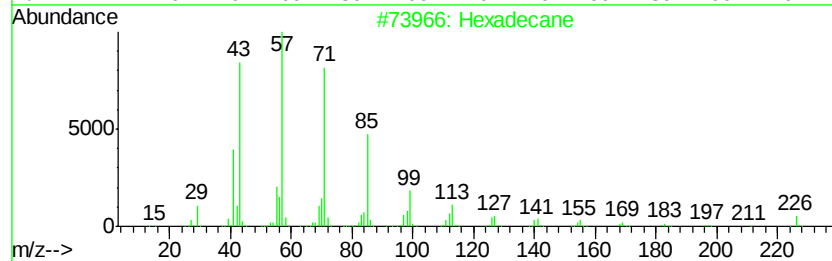
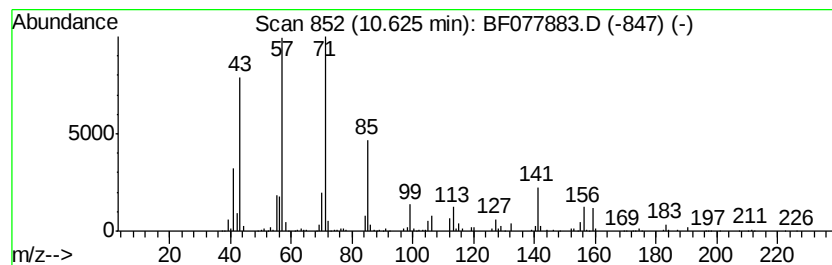
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	45.90 ng	12221100	Acenaphthene-d10	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	68
2		Undecane	156	C11H24	001120-21-4	64
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	62
4		Dodecane	170	C12H26	000112-40-3	59
5		Decane, 5-propyl-	184	C13H28	017312-62-8	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
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Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

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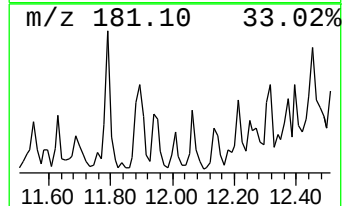
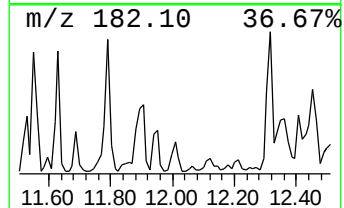
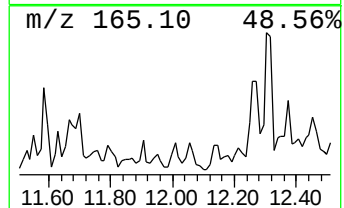
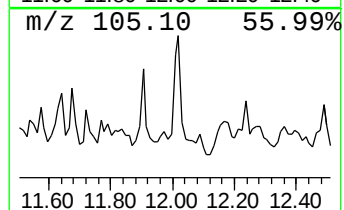
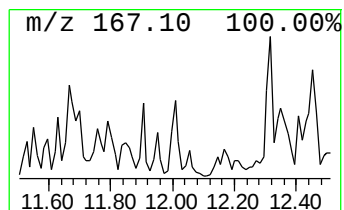
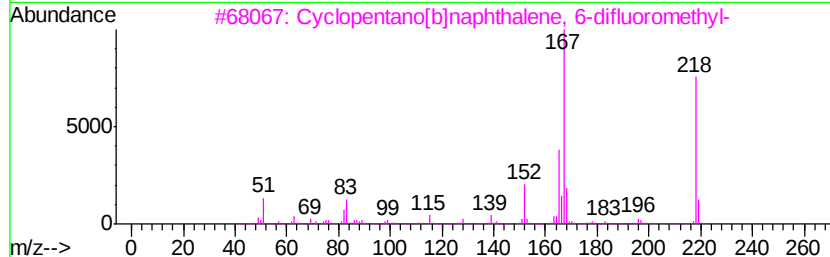
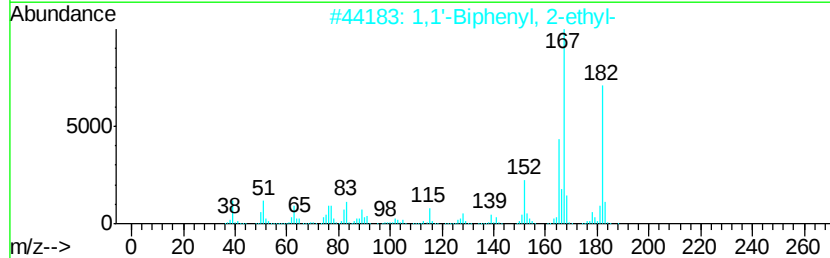
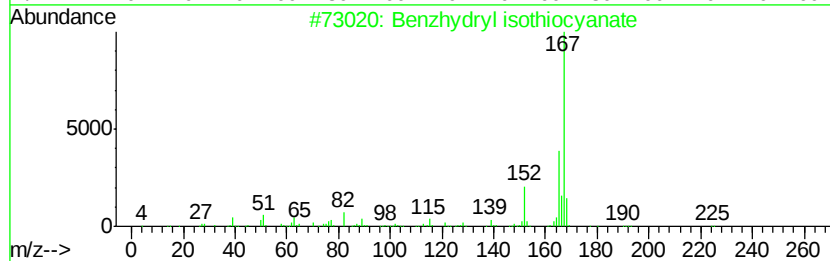
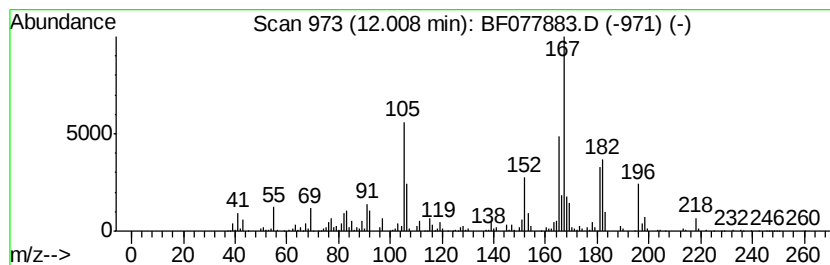
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzhydryl isothiocyanate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	26.67 ng	1588440	Phenanthrene-d10	12.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	86
2			1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	86
3			Cyclopentano[b]naphthalene, 6-di...	218	C14H12F2	1000116-74-9	78
4			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	70
5			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

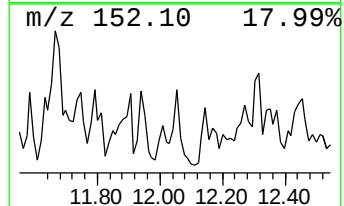
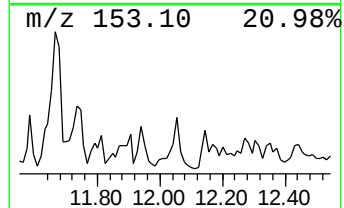
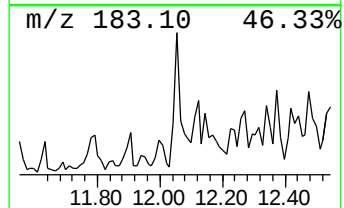
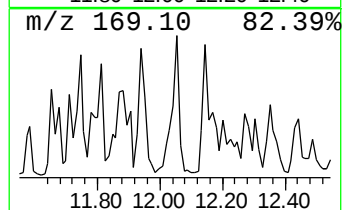
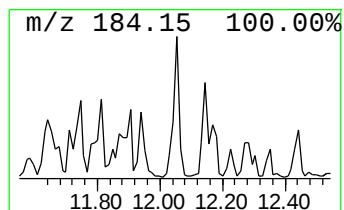
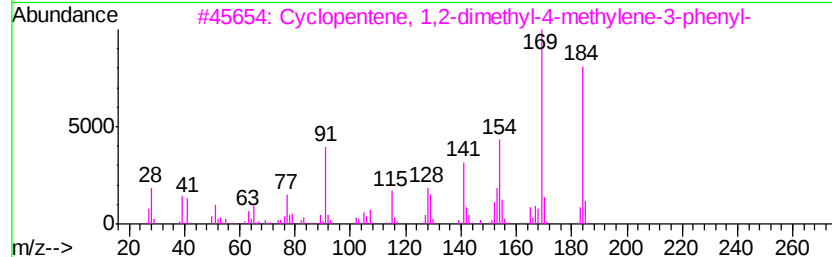
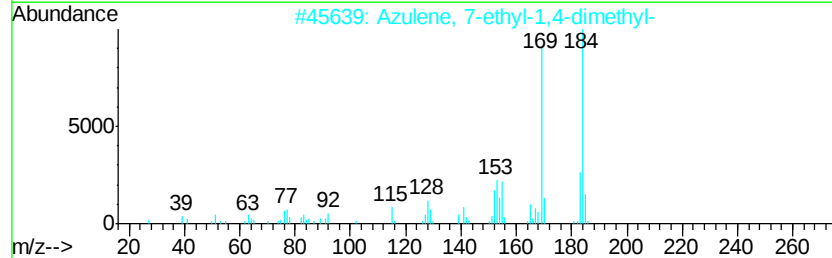
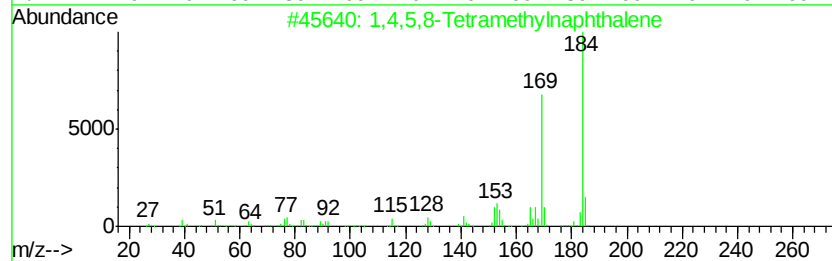
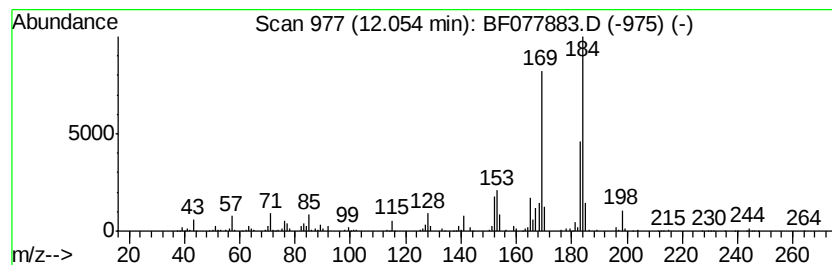
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,4,5,8-Tetramethylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	29.11 ng	1734220	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	93
2		Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	87
3		Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	72
4		Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	62
5		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
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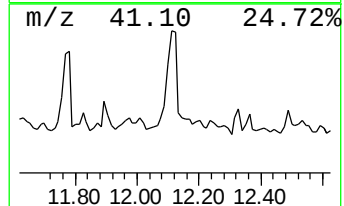
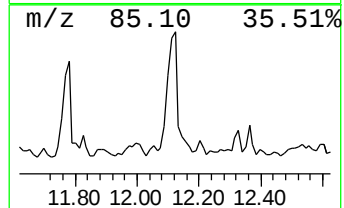
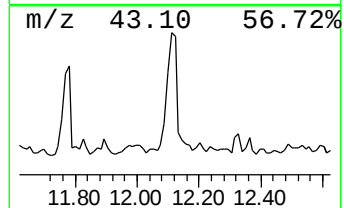
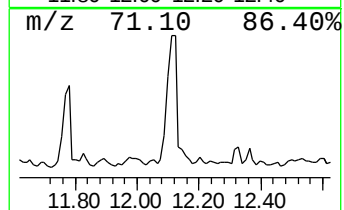
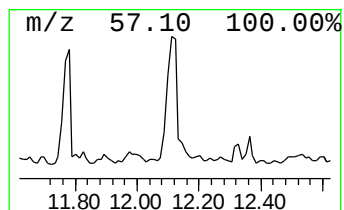
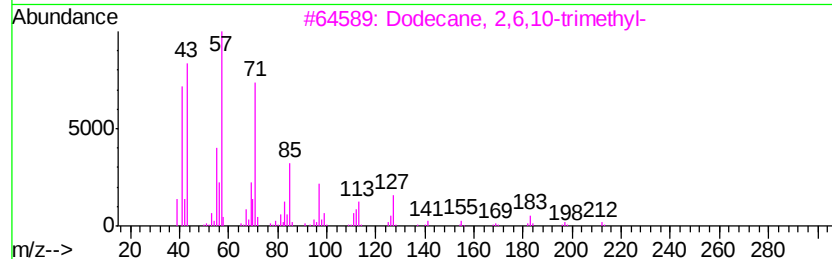
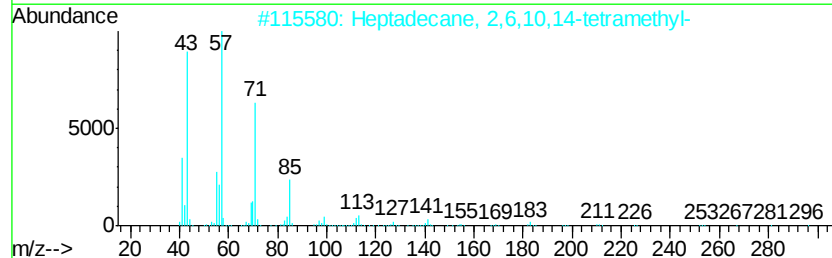
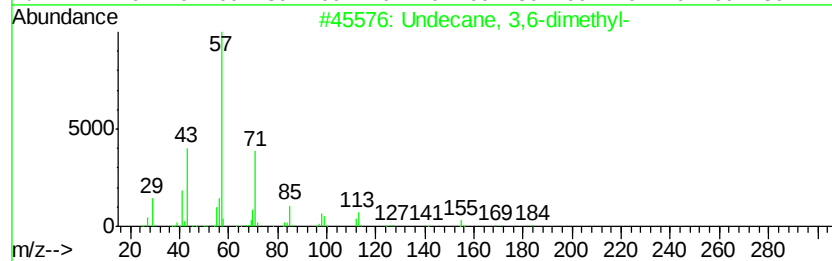
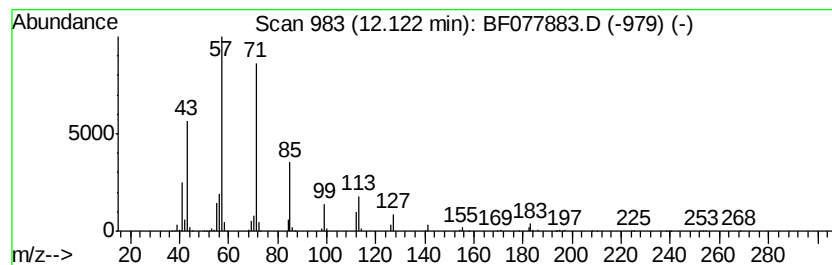
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Undecane, 3,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	177.92 ng	10598300	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	86
2		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
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ClientSampleId :
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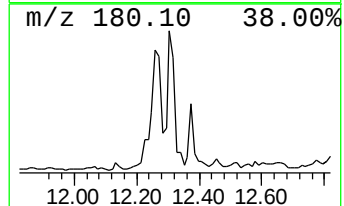
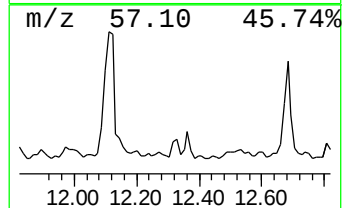
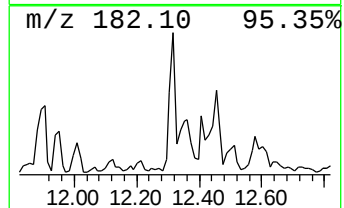
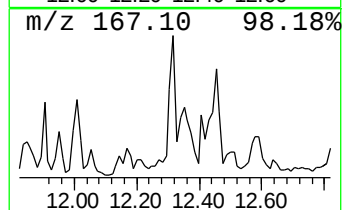
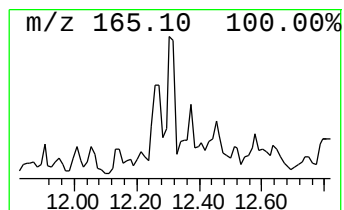
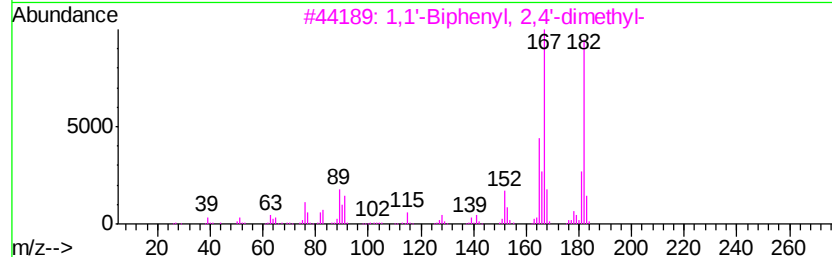
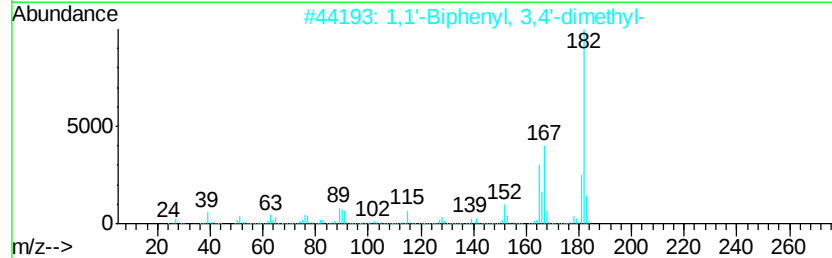
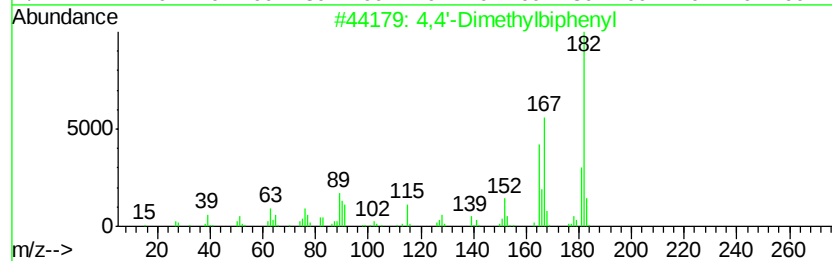
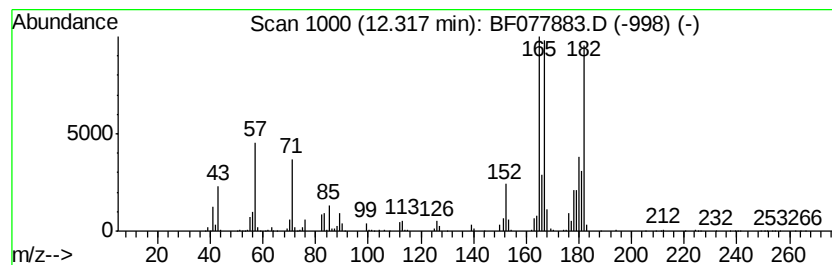
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4,4'-Dimethylbiphenyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	40.07 ng	2386740	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	62
2		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	53
3		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	53
4		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	50
5		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
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Misc : W
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ClientSampleId :
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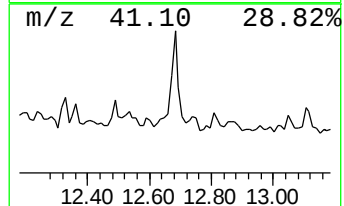
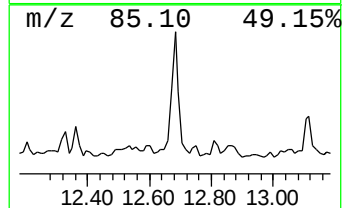
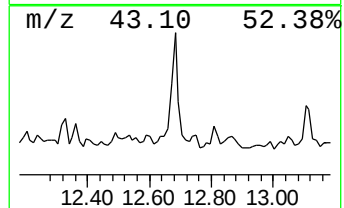
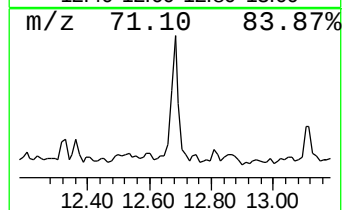
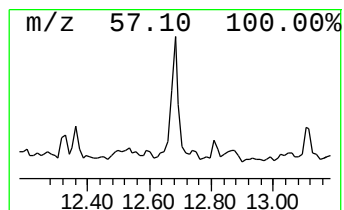
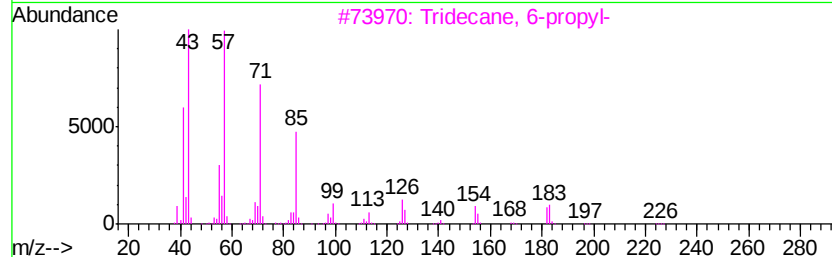
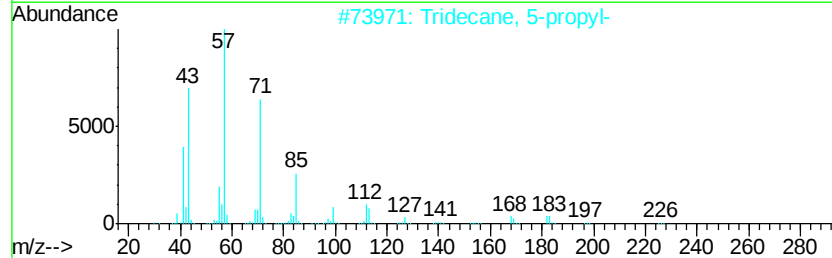
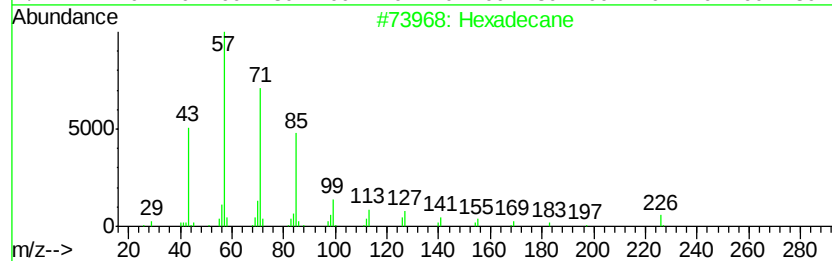
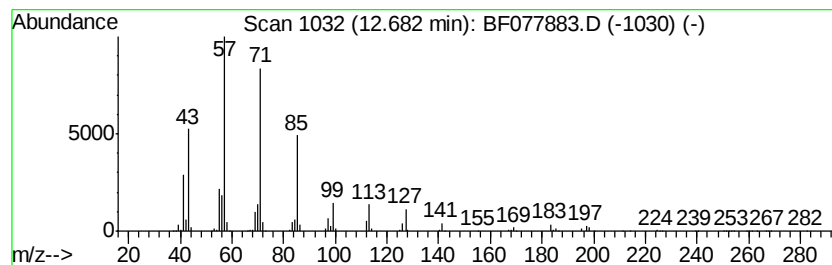
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	80.04 ng	4767860	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
3		Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
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Misc : W
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ClientSampleId :
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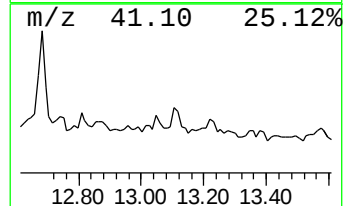
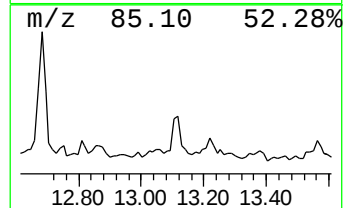
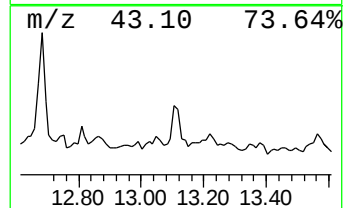
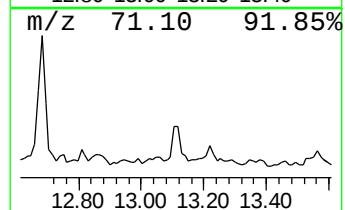
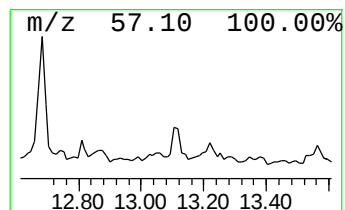
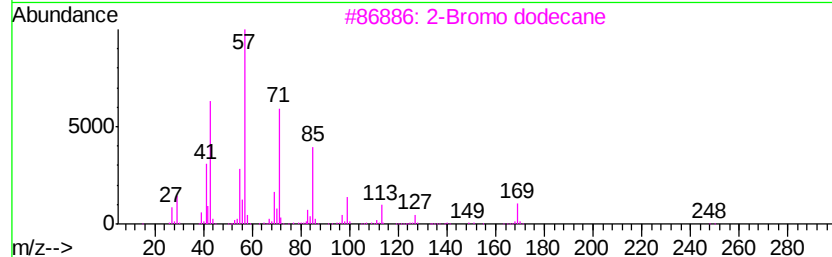
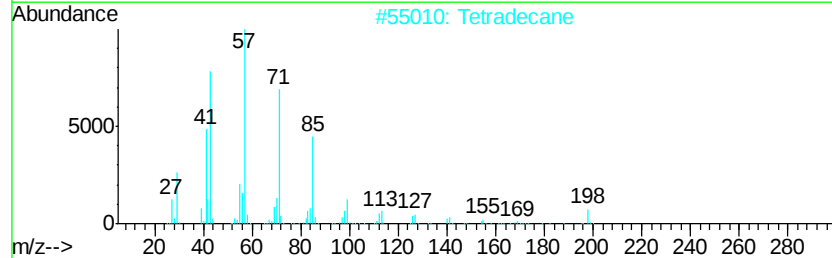
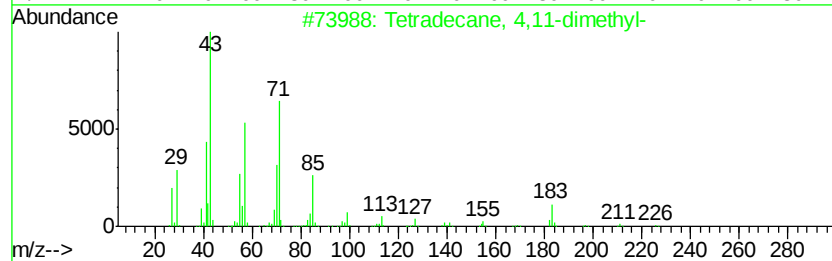
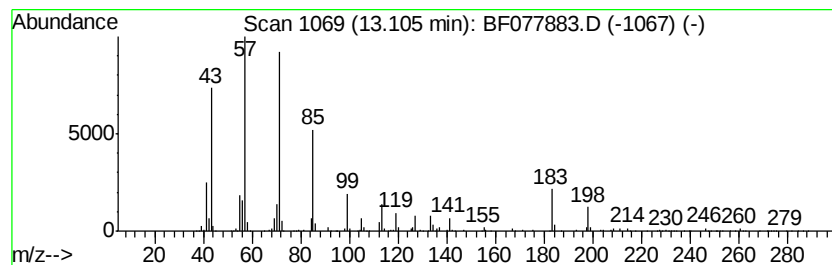
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tetradecane, 4,11-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	26.68 ng	1589080	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 4,11-dimethyl-	226	C16H34	055045-12-0	83
2		Tetradecane	198	C14H30	000629-59-4	81
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	76
4		Octadecane	254	C18H38	000593-45-3	72
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
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Misc : W
ALS Vial : 19 Sample Multiplier: 1

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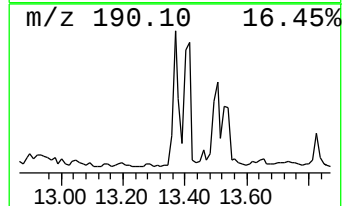
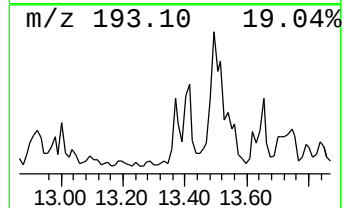
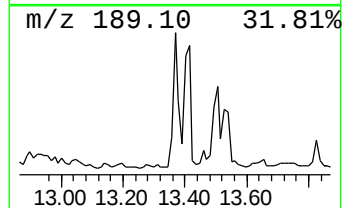
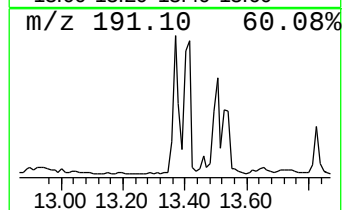
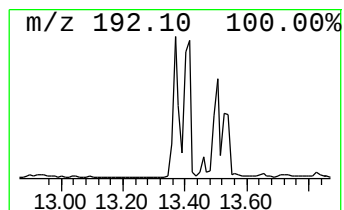
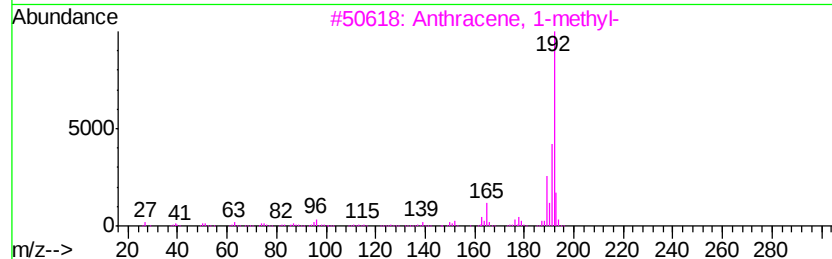
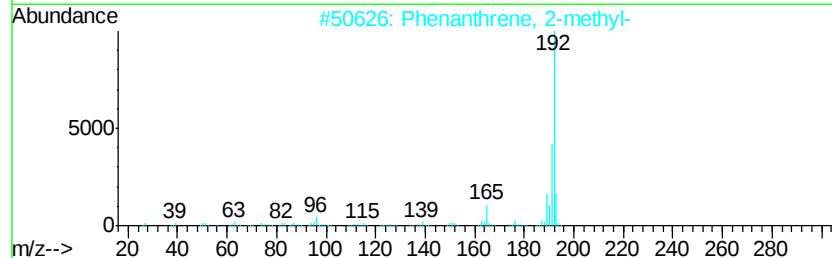
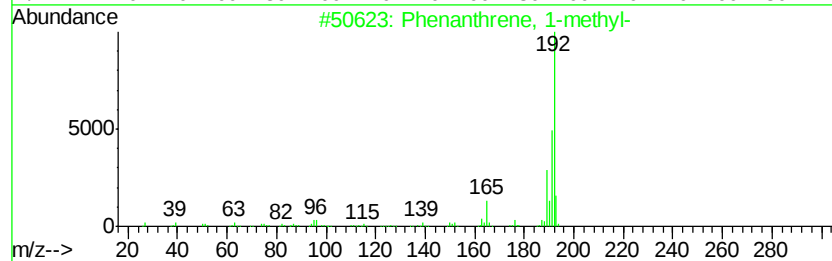
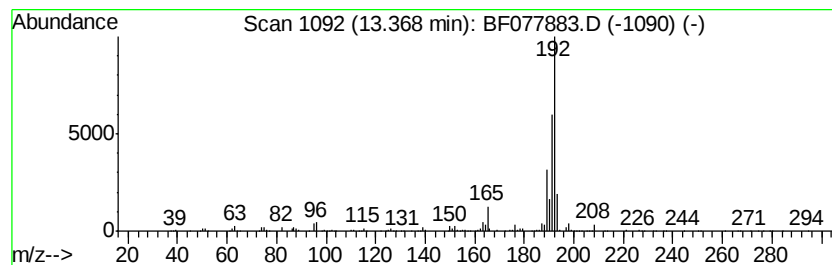
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	36.44 ng	2170410	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
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Misc : W
ALS Vial : 19 Sample Multiplier: 1

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BNA_F
ClientSampleId :
MW-2

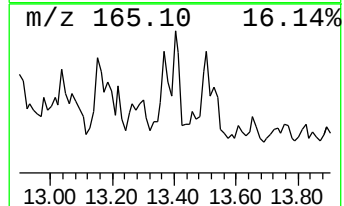
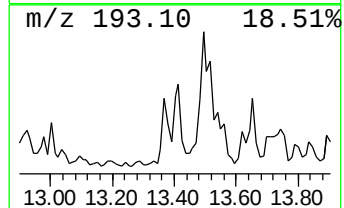
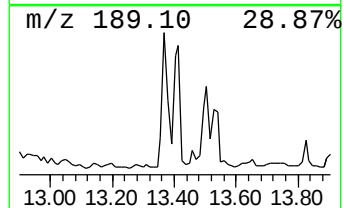
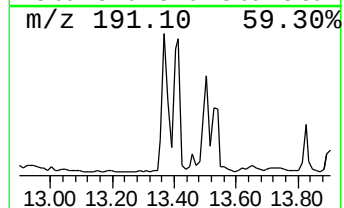
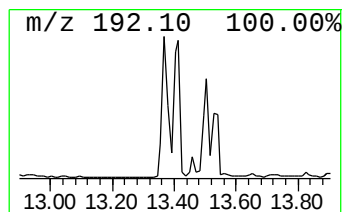
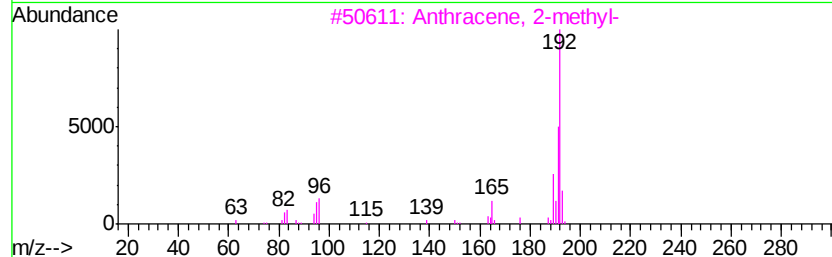
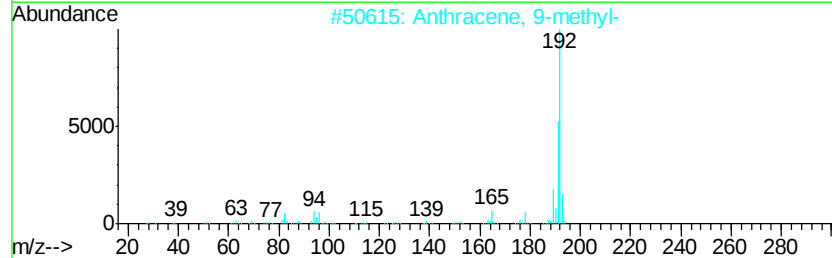
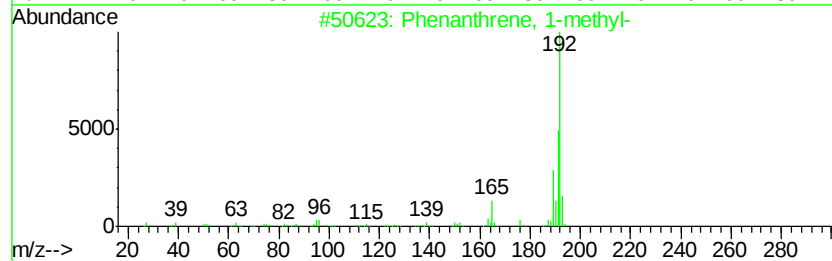
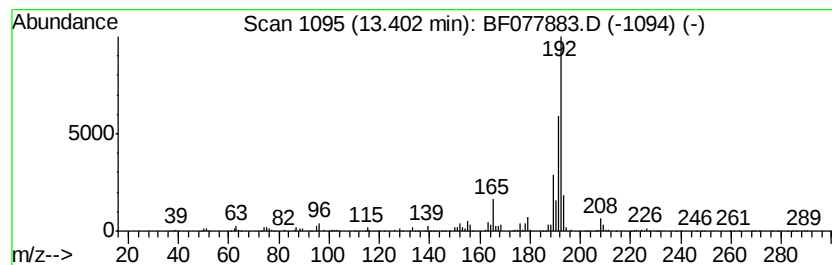
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	39.26 ng	2338590	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

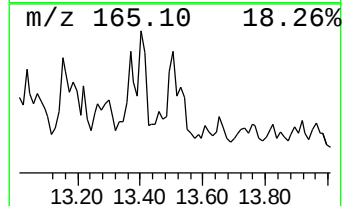
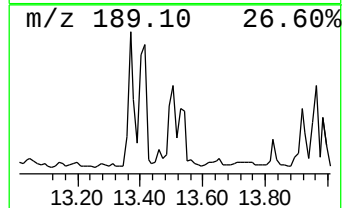
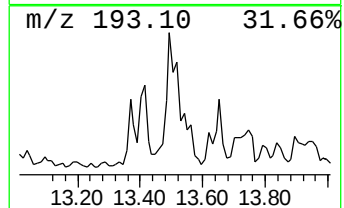
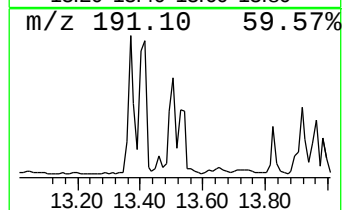
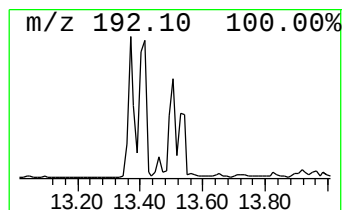
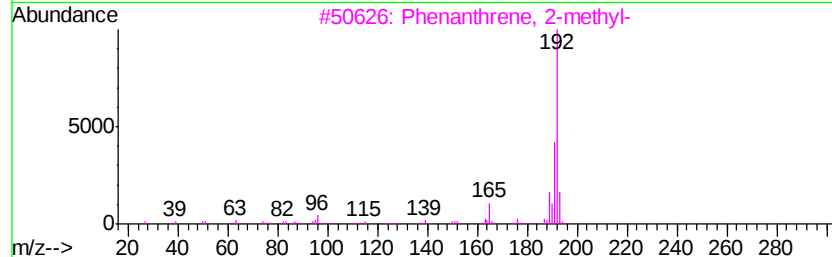
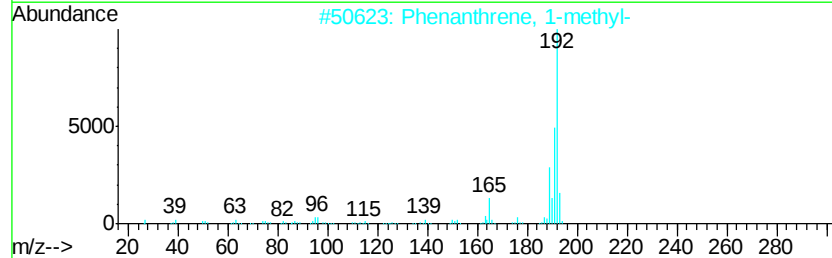
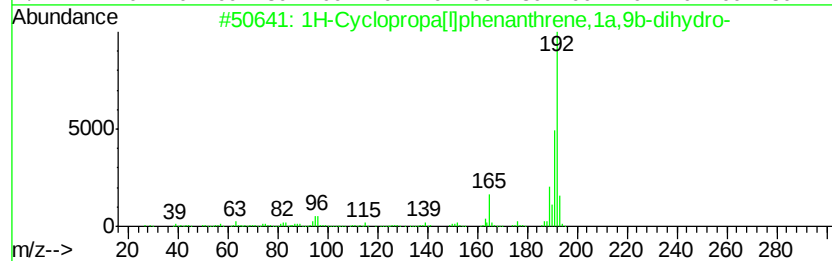
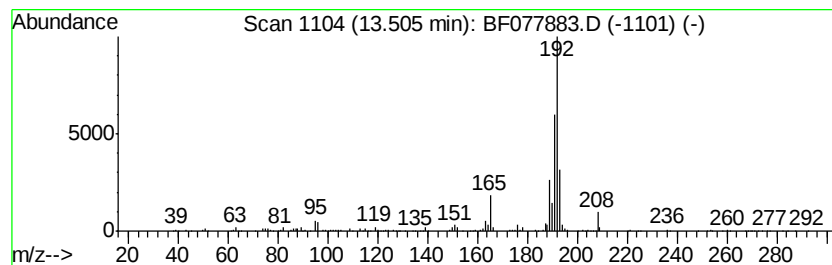
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	33.12 ng	1972780	Phenanthrene-d10	12.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077883.D
Acq On : 21 Mar 2015 1:40
Operator : TP/IZ
Sample : G1589-02
Misc : W
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

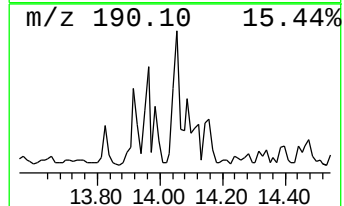
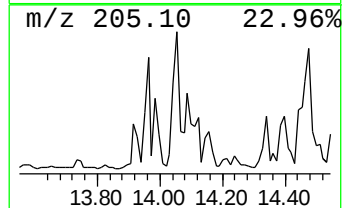
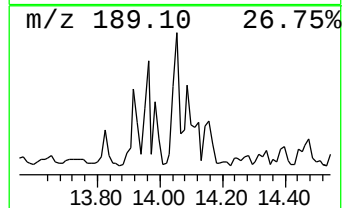
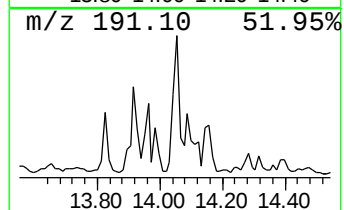
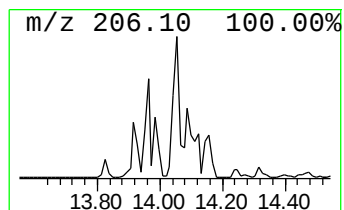
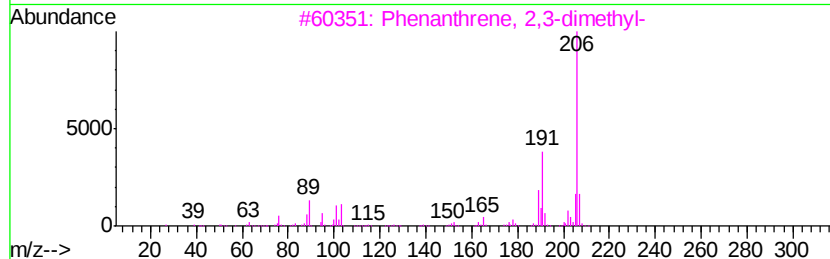
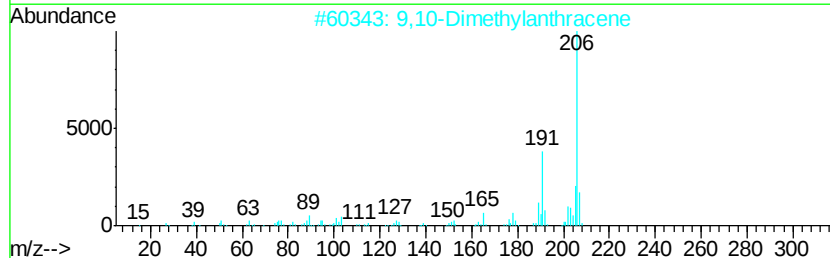
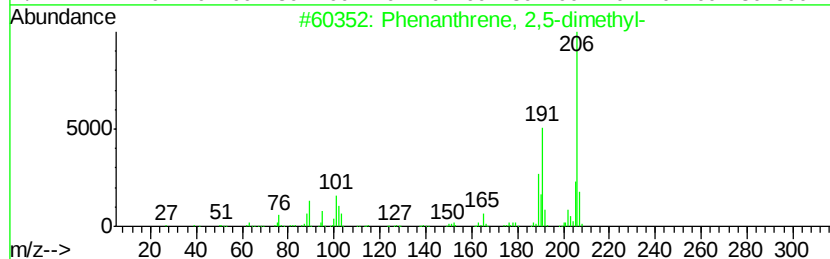
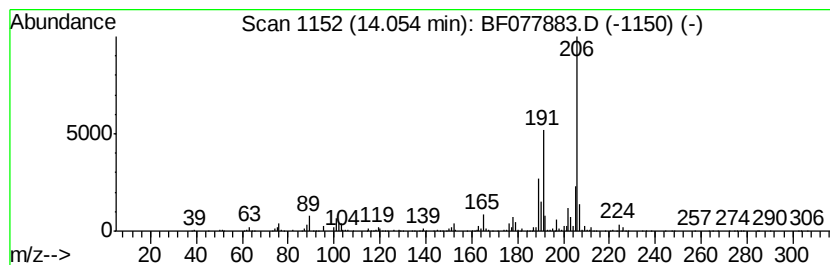
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	34.88 ng	2077590	Phenanthrene-d10	12.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	74
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077883.D
 Acq On : 21 Mar 2015 1:40
 Operator : TP/IZ
 Sample : G1589-02
 Misc : W
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

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
Cyclopentane, 1-m...	8.26	35.5	ng	5998740	2	8.72	3381030	20.0
unknown8.50	8.50	38.0	ng	6427040	2	8.72	3381030	20.0
Undecane, 2,6-dim...	8.84	31.4	ng	5308310	2	8.72	3381030	20.0
unknown8.97	8.97	26.9	ng	4546880	2	8.72	3381030	20.0
Octane, 2,6-dimet...	9.30	51.3	ng	8667650	2	8.72	3381030	20.0
Naphthalene, 1-me...	9.73	32.6	ng	5517790	2	8.72	3381030	20.0
Heptylcyclohexane	9.88	30.2	ng	8039450	3	10.90	5324870	20.0
Naphthalene, 2,3-...	10.50	26.7	ng	7106320	3	10.90	5324870	20.0
Hexadecane	10.62	45.9	ng	12221100	3	10.90	5324870	20.0
Benzhydryl isothi...	12.01	26.7	ng	1588440	4	12.74	1191320	20.0
1,4,5,8-Tetrameth...	12.05	29.1	ng	1734220	4	12.74	1191320	20.0
Undecane, 3,6-dim...	12.12	177.9	ng	10598300	4	12.74	1191320	20.0
4,4'-Dimethylbiph...	12.32	40.1	ng	2386740	4	12.74	1191320	20.0
Tridecane, 5-propyl-	12.68	80.0	ng	4767860	4	12.74	1191320	20.0
Tetradecane, 4,11...	13.11	26.7	ng	1589080	4	12.74	1191320	20.0
Phenanthrene, 1-m...	13.37	36.4	ng	2170410	4	12.74	1191320	20.0
Anthracene, 9-met...	13.40	39.3	ng	2338590	4	12.74	1191320	20.0
1H-Cyclopropa[l]p...	13.51	33.1	ng	1972780	4	12.74	1191320	20.0
Phenanthrene, 2,5...	14.05	34.9	ng	2077590	4	12.74	1191320	20.0