

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
 Data File : BF097401.D
 Acq On : 5 Aug 2017 17:04
 Operator : SJ/JU
 Sample : I4610-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-C

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-BF072517.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	4.551	466	470	485	rBV	375078	618686	25.75%	2.660%
2	5.022	546	550	572	rBV	1817679	2145059	89.29%	9.222%
3	6.098	729	733	746	rBV	2178349	2402224	100.00%	10.327%
4	6.198	746	750	763	rVB	2240769	2278285	94.84%	9.794%
5	6.422	785	788	796	rBV	612573	584271	24.32%	2.512%
6	6.581	811	815	829	rBV	1610558	1487951	61.94%	6.397%
7	6.998	882	886	900	rBV	1353829	1303003	54.24%	5.602%
8	7.704	1003	1006	1016	rBV	861775	816784	34.00%	3.511%
9	8.786	1185	1190	1193	rBV	2195413	1971932	82.09%	8.477%
10	9.045	1230	1234	1238	rBV3	21190	31852	1.33%	0.137%
11	9.116	1243	1246	1249	rBV	38511	38797	1.62%	0.167%
12	9.186	1255	1258	1263	rBV	221396	186397	7.76%	0.801%
13	9.233	1263	1266	1272	rVB2	20128	31723	1.32%	0.136%
14	9.310	1272	1279	1283	rBV	41717	52271	2.18%	0.225%
15	9.410	1292	1296	1299	rBV	39164	36157	1.51%	0.155%
16	9.451	1299	1303	1306	rVV	843934	831822	34.63%	3.576%
17	9.481	1306	1308	1314	rVB	77237	64955	2.70%	0.279%
18	9.657	1332	1338	1342	rVB	51541	58045	2.42%	0.250%
19	9.698	1342	1345	1348	rBV	33939	30456	1.27%	0.131%
20	9.769	1353	1357	1360	rBV3	32034	37552	1.56%	0.161%
21	9.904	1377	1380	1384	rVB	72499	58441	2.43%	0.251%
22	9.992	1392	1395	1398	rBV	108526	97980	4.08%	0.421%
23	10.122	1412	1417	1420	rBV4	30687	43374	1.81%	0.186%
24	10.151	1420	1422	1428	rVB4	26322	35482	1.48%	0.153%
25	10.233	1433	1436	1443	rBV	984404	1025658	42.70%	4.409%
26	10.375	1456	1460	1466	rBV	76348	97285	4.05%	0.418%
27	10.539	1484	1488	1490	rBV	31275	34974	1.46%	0.150%
28	10.569	1490	1493	1496	rVB	32521	33236	1.38%	0.143%
29	10.816	1532	1535	1538	rBV	72924	64977	2.70%	0.279%
30	10.845	1538	1540	1547	rVB	23163	27652	1.15%	0.119%
31	10.922	1549	1553	1555	rBV	636956	563776	23.47%	2.424%
32	10.945	1555	1557	1561	rVB	518935	405998	16.90%	1.745%
33	10.998	1561	1566	1570	rVB	141643	122427	5.10%	0.526%
34	11.245	1605	1608	1611	rBV2	40549	49244	2.05%	0.212%

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.339	1620	1624	1627	rBV	25702	32042	1.33%	0.138%
36	11.422	1635	1638	1641	rBV	100802	91389	3.80%	0.393%
37	11.451	1641	1643	1645	rVV	119422	92024	3.83%	0.396%
38	11.480	1645	1648	1649	rVV	60168	53787	2.24%	0.231%
39	11.498	1649	1651	1653	rVV	48095	42227	1.76%	0.182%
40	11.527	1653	1656	1659	rVV	154388	158212	6.59%	0.680%
41	11.551	1659	1660	1663	rVB	57768	45458	1.89%	0.195%
42	11.651	1673	1677	1681	rBV2	28781	39279	1.64%	0.169%
43	11.716	1685	1688	1690	rVV	53112	53233	2.22%	0.229%
44	11.751	1692	1694	1699	rVB2	30503	33140	1.38%	0.142%
45	11.969	1728	1731	1734	rBV	83026	84483	3.52%	0.363%
46	12.004	1734	1737	1739	rVV3	32134	38447	1.60%	0.165%
47	12.057	1744	1746	1750	rVB2	37839	42138	1.75%	0.181%
48	12.122	1754	1757	1762	rBV	488962	475853	19.81%	2.046%
49	12.274	1778	1783	1787	rBV3	41149	70119	2.92%	0.301%
50	12.345	1791	1795	1799	rBV	456850	487020	20.27%	2.094%
51	12.404	1803	1805	1806	rBV	30113	24324	1.01%	0.105%
52	12.474	1814	1817	1818	rBV2	28779	29342	1.22%	0.126%
53	12.504	1818	1822	1825	rVV	1289265	1250953	52.07%	5.378%
54	12.574	1830	1834	1838	rBV3	42853	61410	2.56%	0.264%
55	12.663	1845	1849	1850	rBV4	37614	46226	1.92%	0.199%
56	12.680	1850	1852	1855	rVB	91718	84287	3.51%	0.362%
57	12.745	1860	1863	1867	rVV2	70005	76083	3.17%	0.327%
58	12.780	1867	1869	1873	rVV	63632	62169	2.59%	0.267%
59	12.874	1882	1885	1887	rVB	43866	40935	1.70%	0.176%
60	12.904	1887	1890	1893	rBV	47212	44398	1.85%	0.191%
61	13.092	1920	1922	1926	rVB2	35459	35625	1.48%	0.153%
62	13.298	1953	1957	1959	rBV3	44160	73698	3.07%	0.317%
63	13.421	1975	1978	1983	rVB2	106197	126213	5.25%	0.543%
64	13.539	1994	1998	2001	rBV2	606451	740971	30.85%	3.185%
65	13.568	2001	2003	2007	rVB	182105	155467	6.47%	0.668%
66	14.333	2130	2133	2135	rBV2	85631	79627	3.31%	0.342%
67	14.533	2165	2167	2177	rVB	130489	221469	9.22%	0.952%
68	14.833	2216	2218	2223	rVV	143257	141798	5.90%	0.610%
69	14.880	2223	2226	2230	rVB	377649	421043	17.53%	1.810%
70	17.809	2721	2724	2725	rBV2	40036	37338	1.55%	0.161%

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

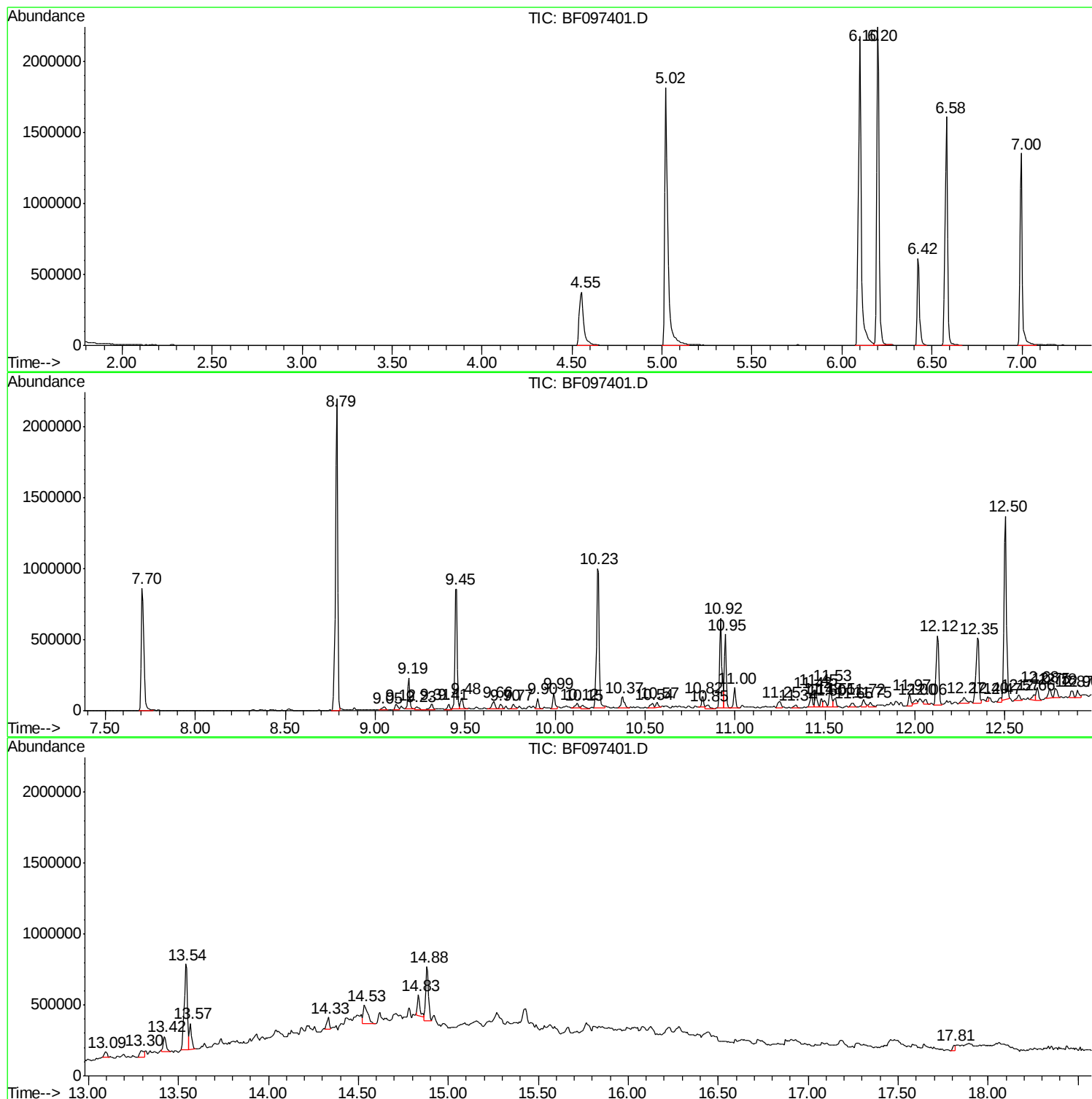
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-080317-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
Data File : BF097401.D
Acq On : 5 Aug 2017 17:04
Operator : SJ/JU
Sample : I4610-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
PL-02-080317-C

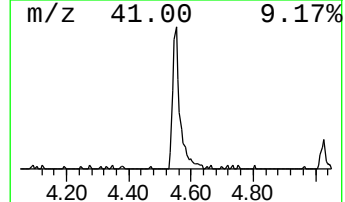
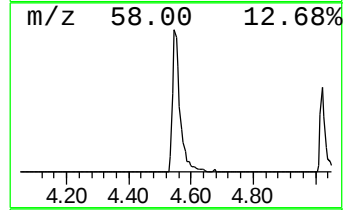
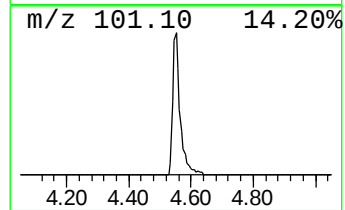
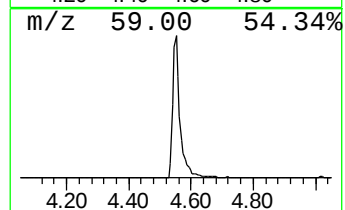
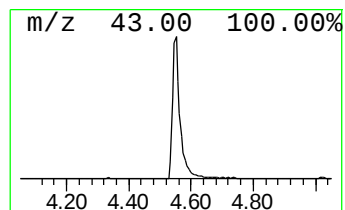
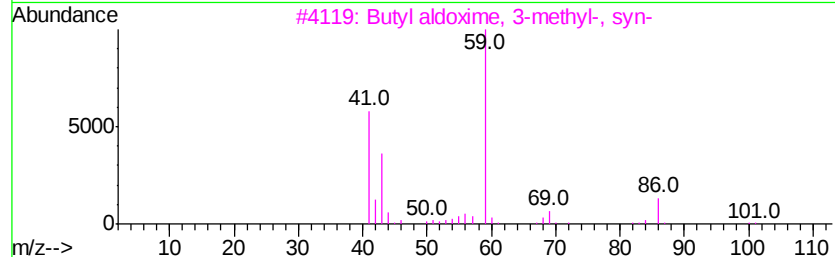
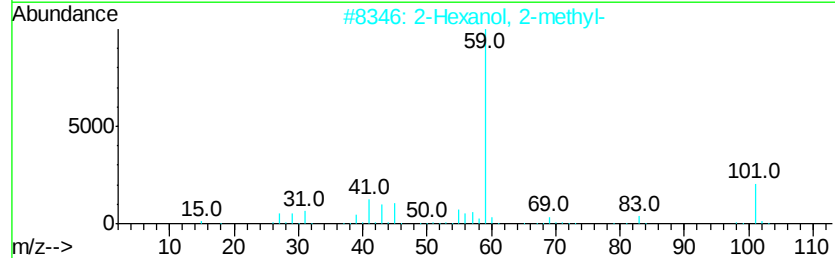
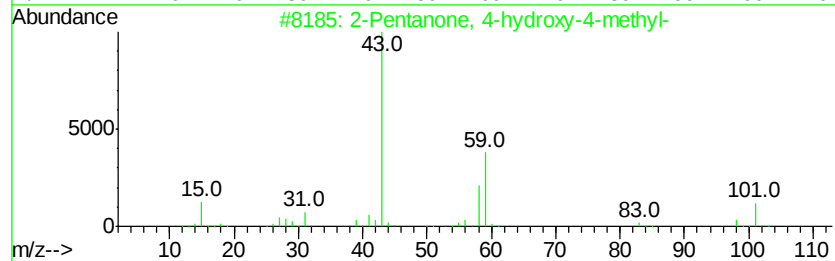
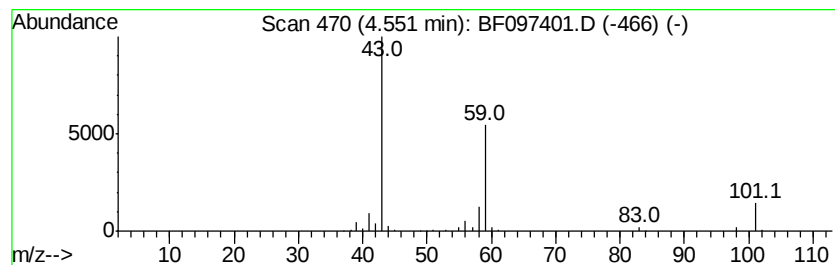
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	21.18 ng	618686	1,4-Dichlorobenzene-d4	6.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
4			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9
5			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9



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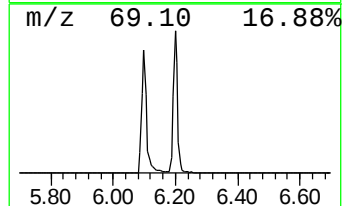
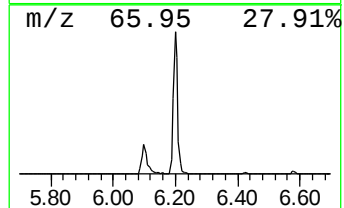
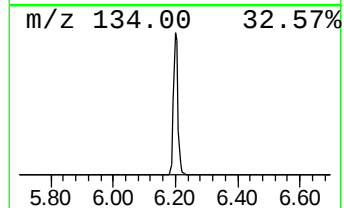
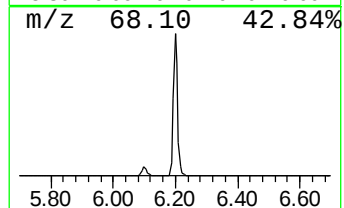
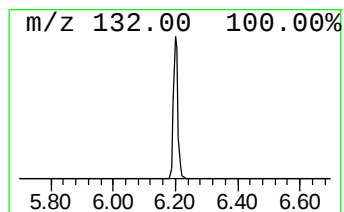
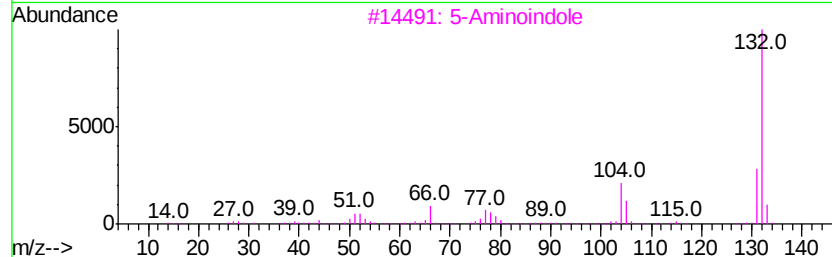
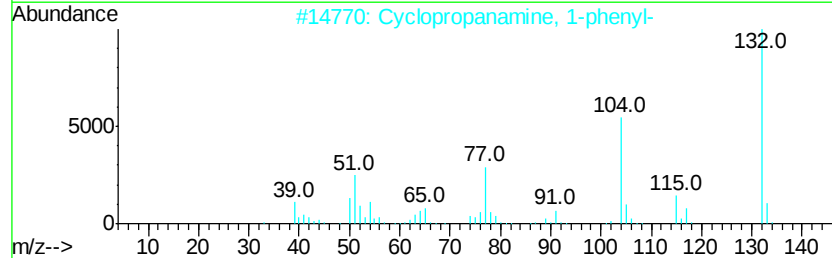
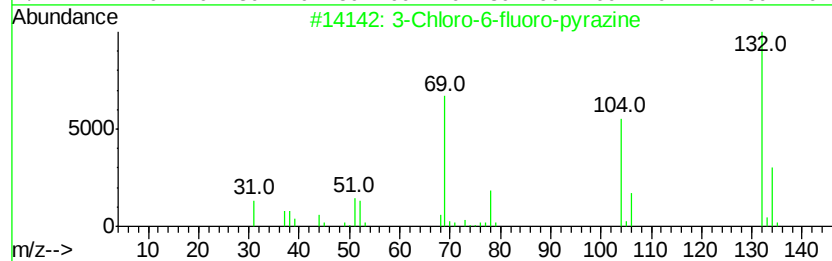
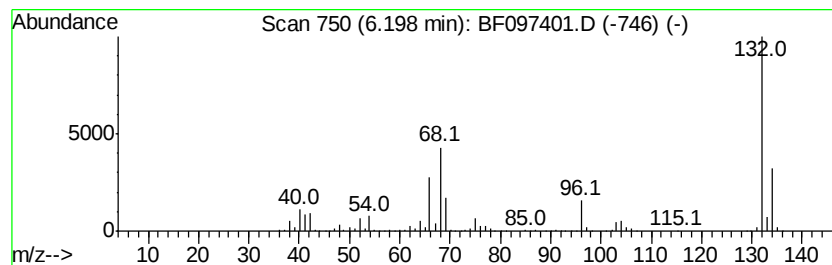
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.20 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	77.99 ng	2278290	1,4-Dichlorobenzene-d4	6.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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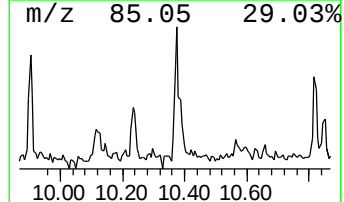
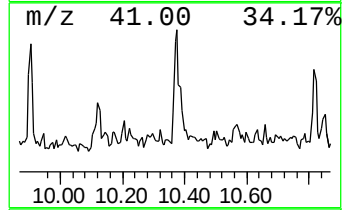
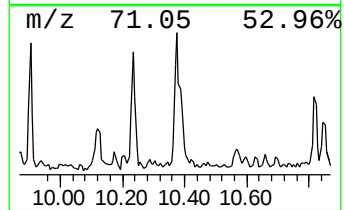
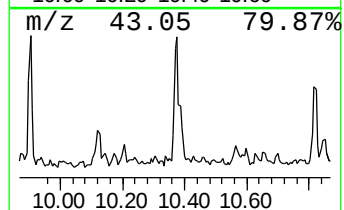
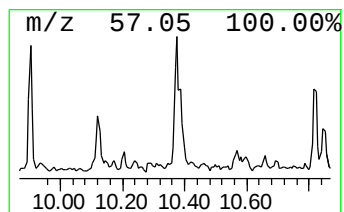
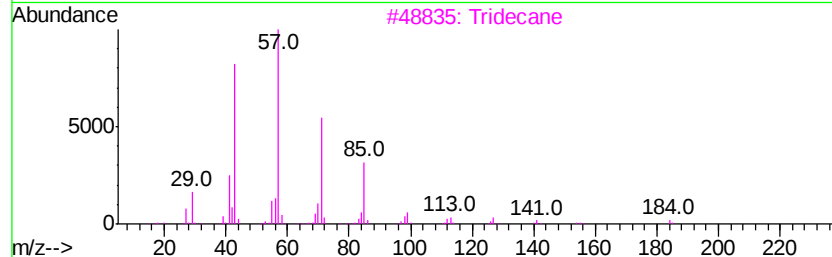
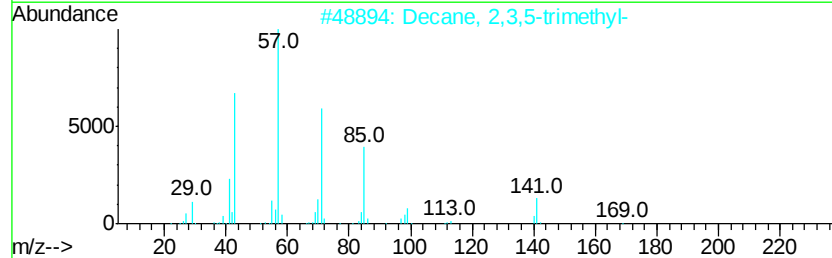
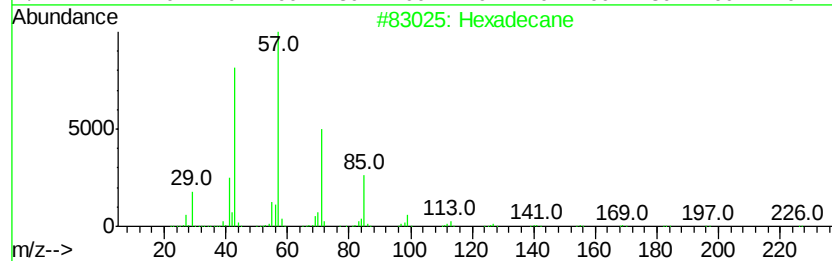
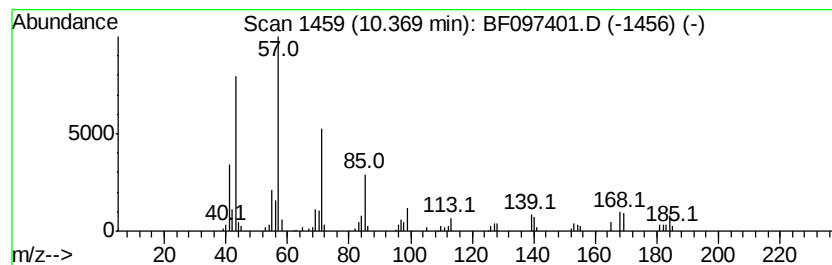
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	3.45 ng	97285	Phenanthrene-d10	10.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	80
2	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	72
3	Tridecane		184	C13H28	000629-50-5	72
4	Pentadecane		212	C15H32	000629-62-9	72
5	Tetradecane		198	C14H30	000629-59-4	72



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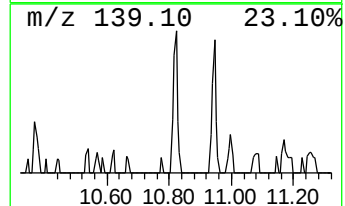
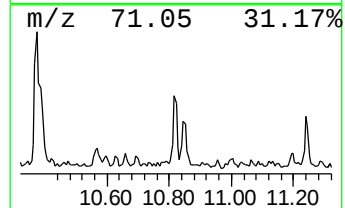
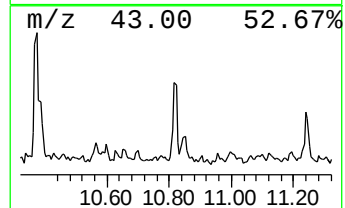
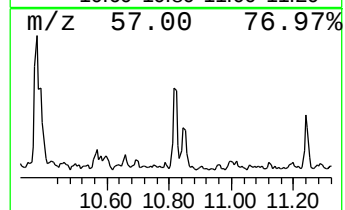
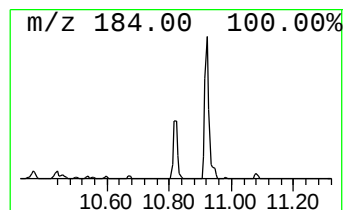
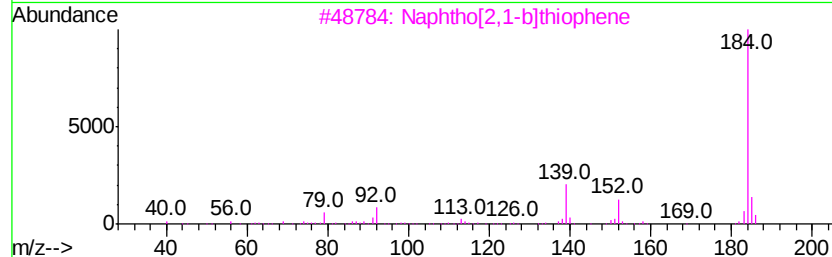
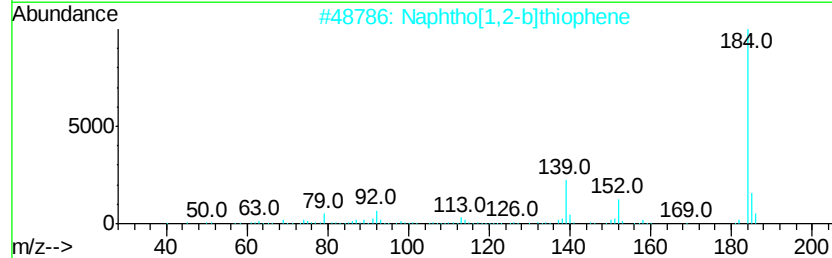
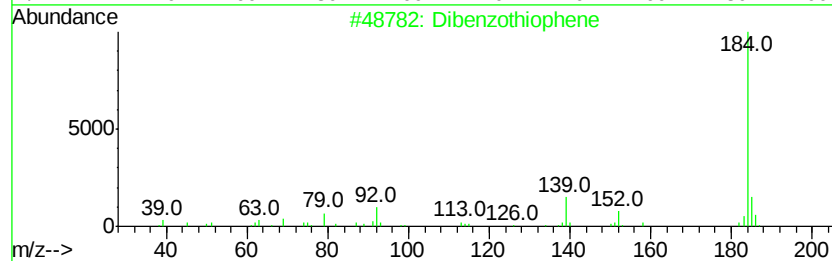
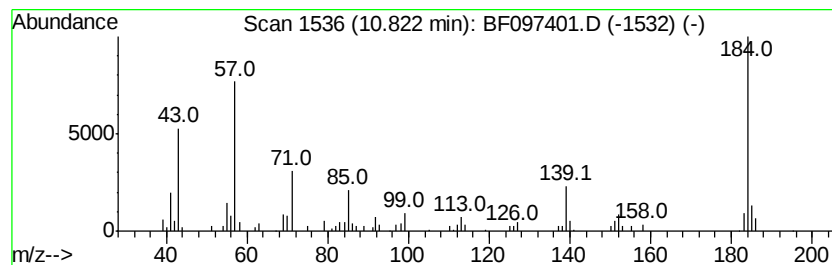
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	2.31 ng	64977	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097401.D
Acq On : 5 Aug 2017 17:04
Operator : SJ/JU
Sample : I4610-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-080317-C

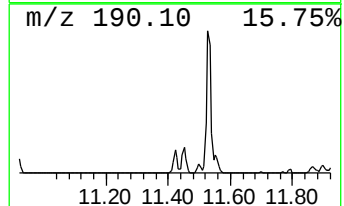
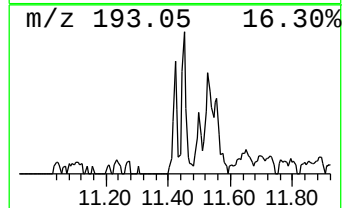
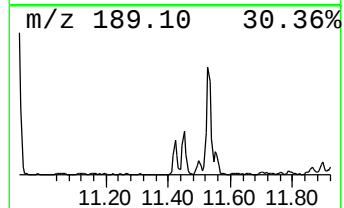
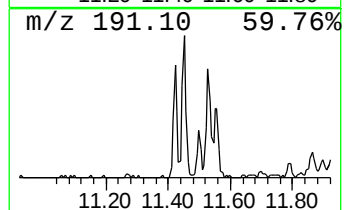
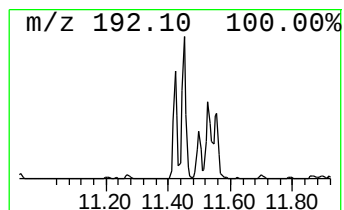
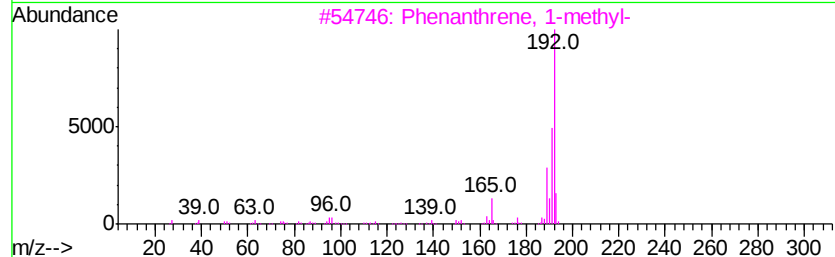
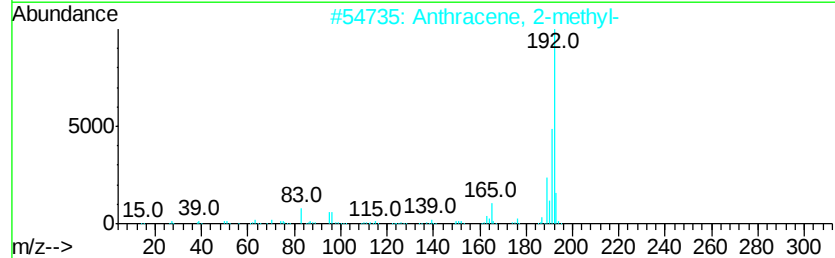
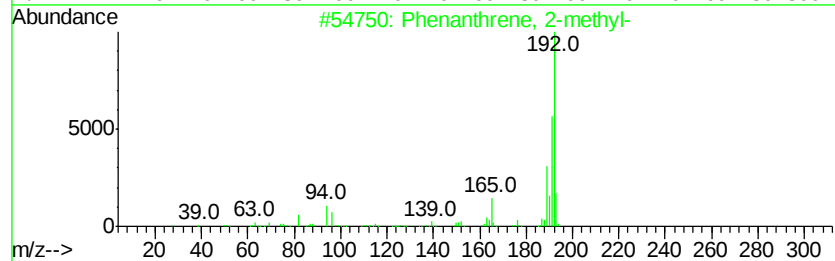
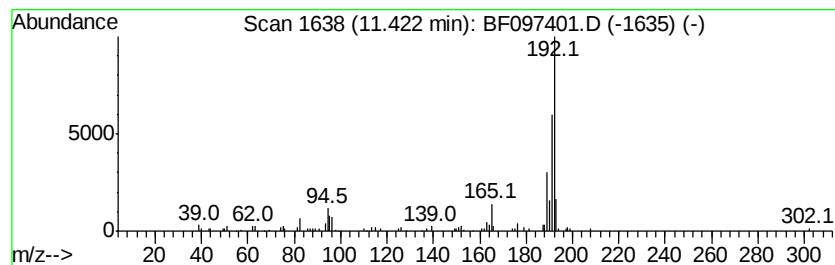
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	3.24 ng	91389	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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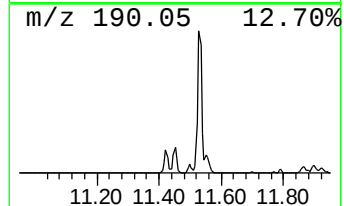
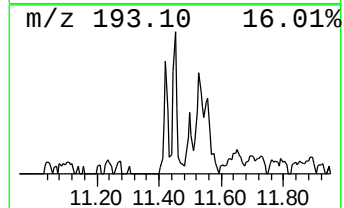
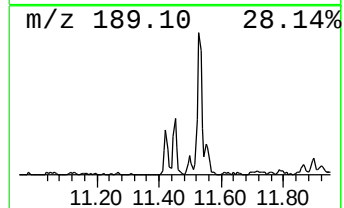
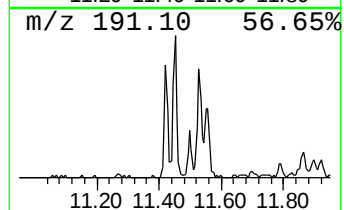
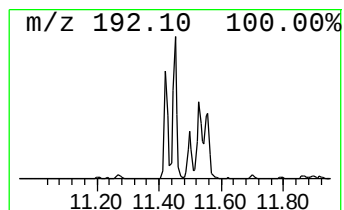
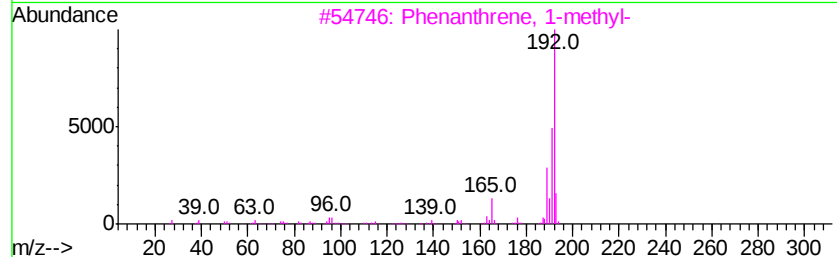
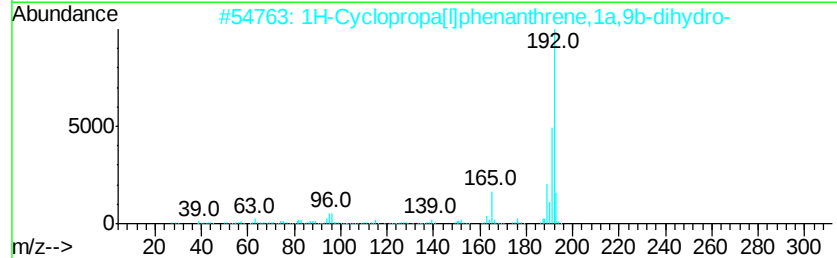
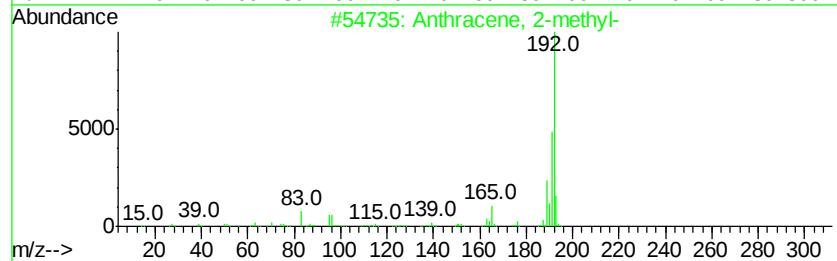
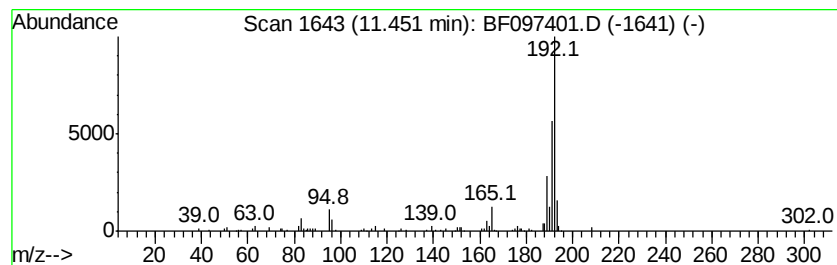
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	3.26 ng	92024	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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Operator : SJ/JU
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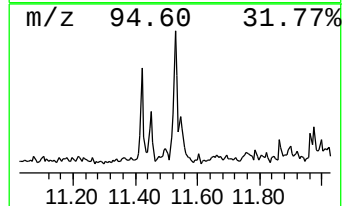
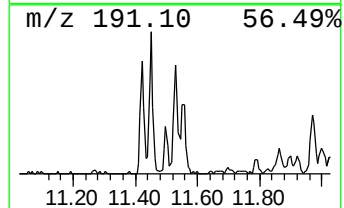
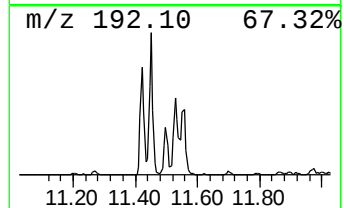
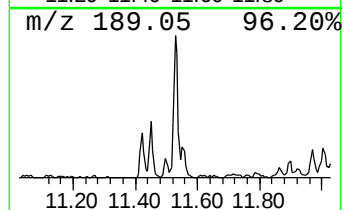
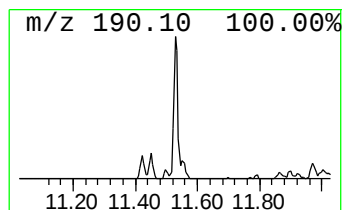
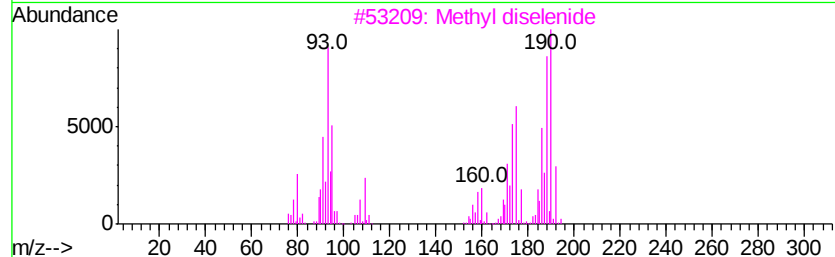
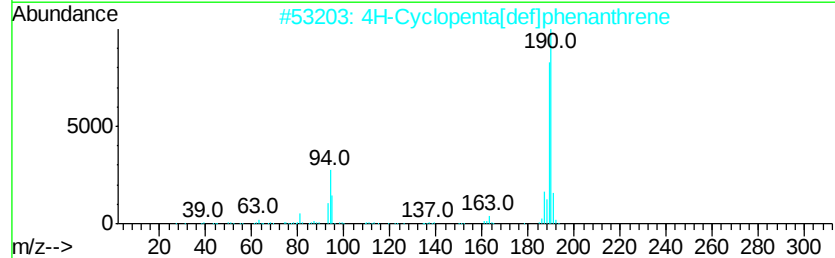
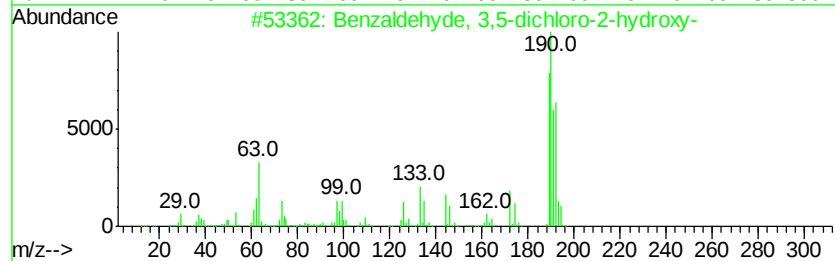
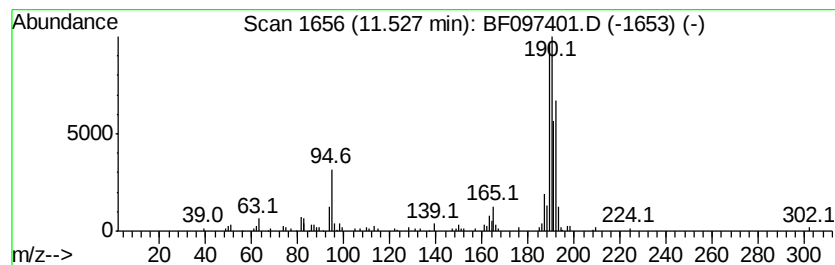
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	5.61 ng	158212	Phenanthrene-d10	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	20
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	20



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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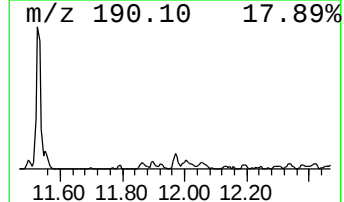
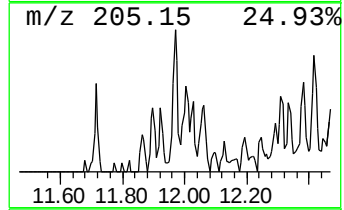
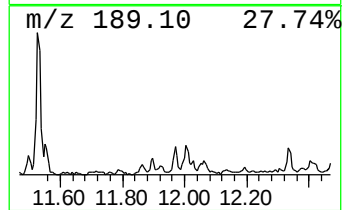
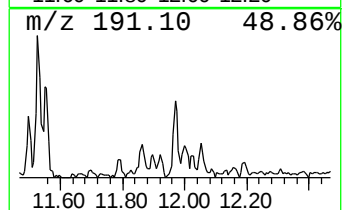
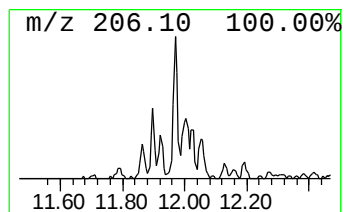
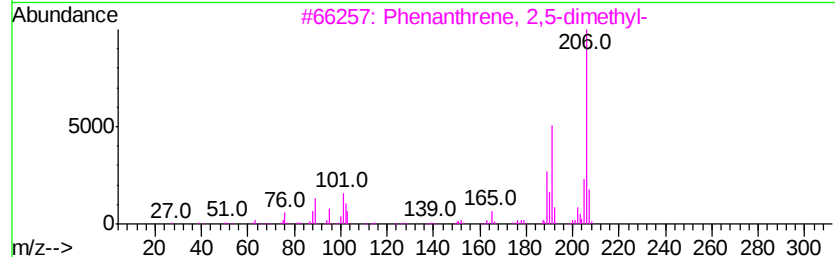
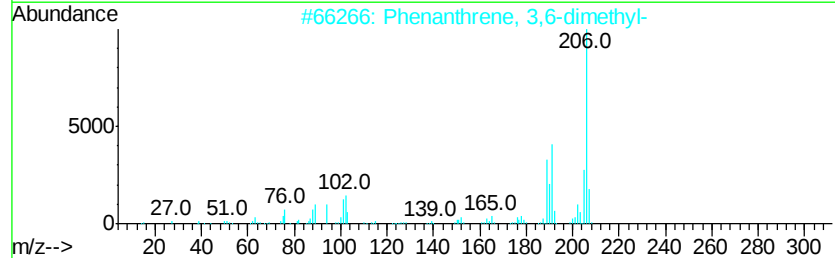
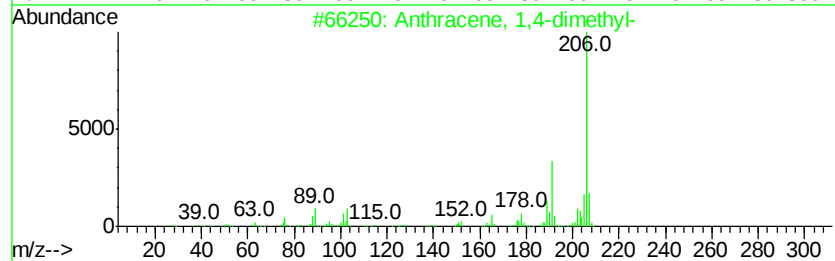
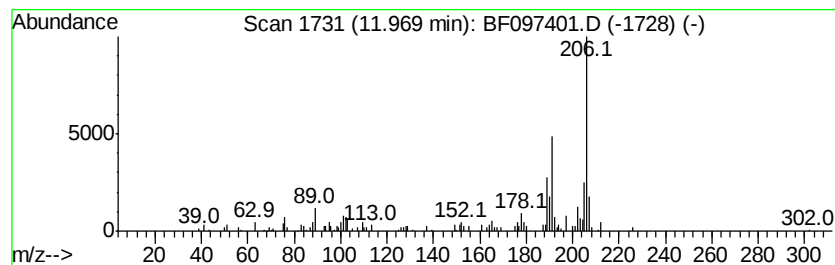
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.00 ng	84483	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



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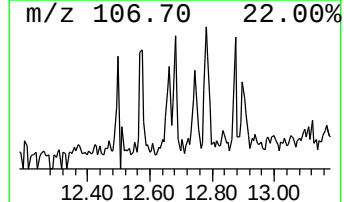
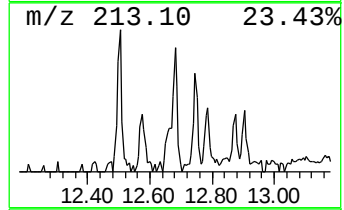
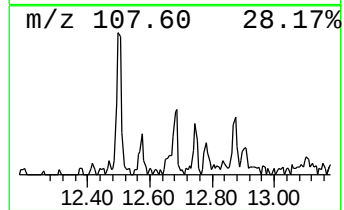
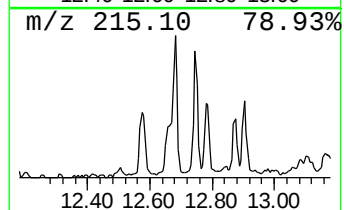
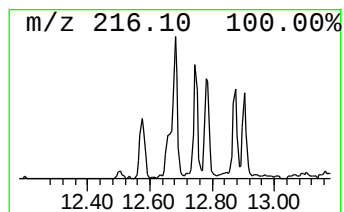
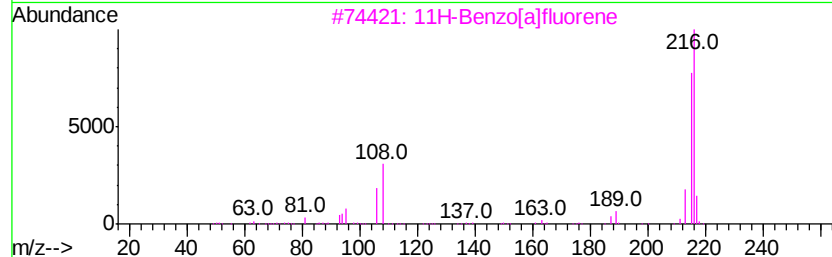
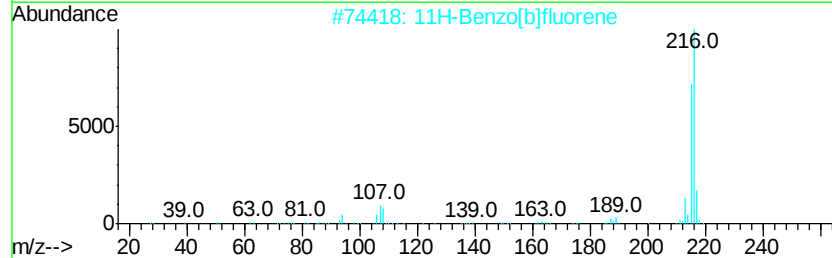
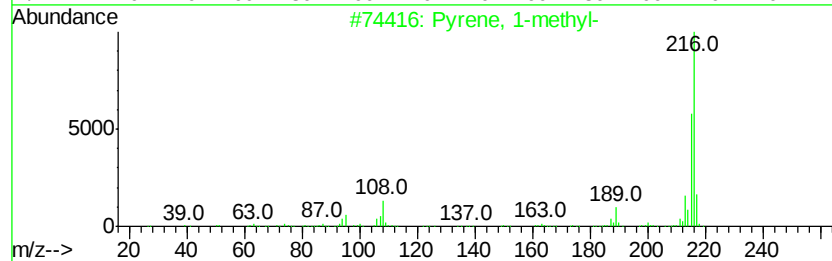
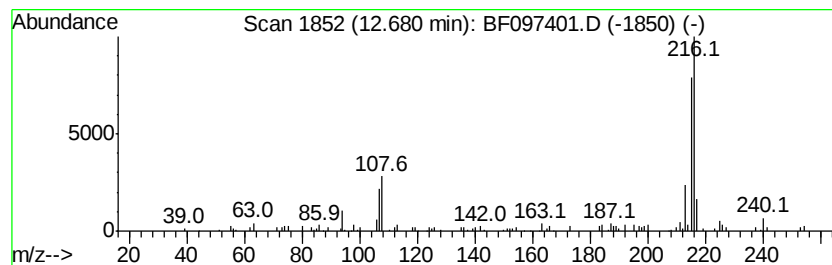
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.28 ng	84287	Chrysene-d12	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55



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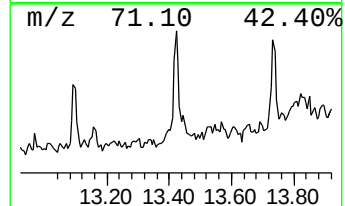
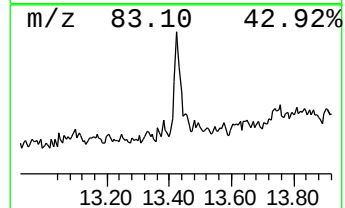
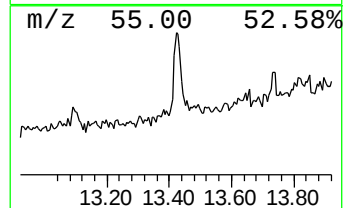
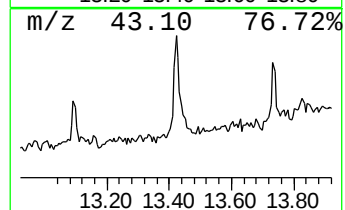
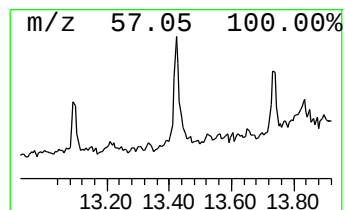
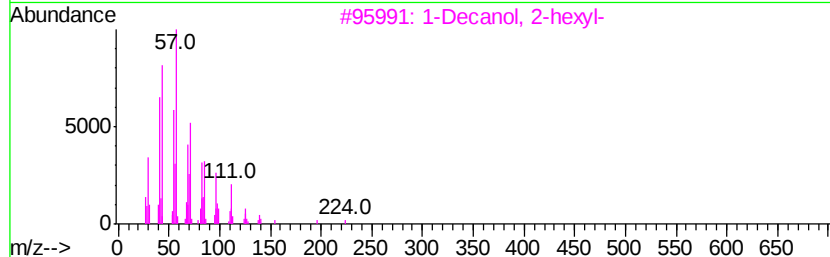
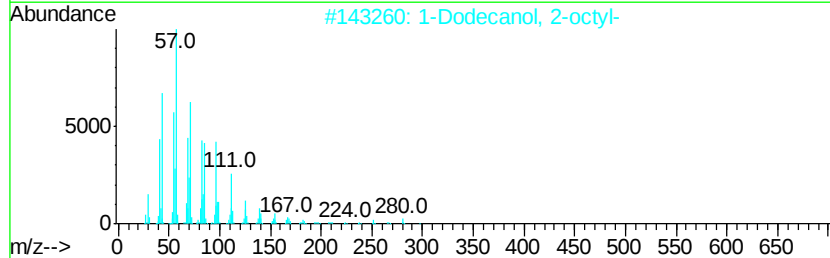
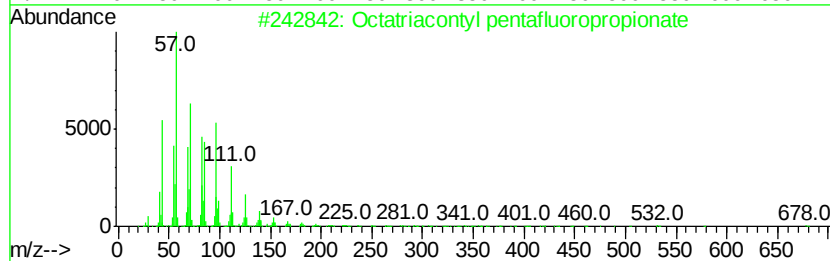
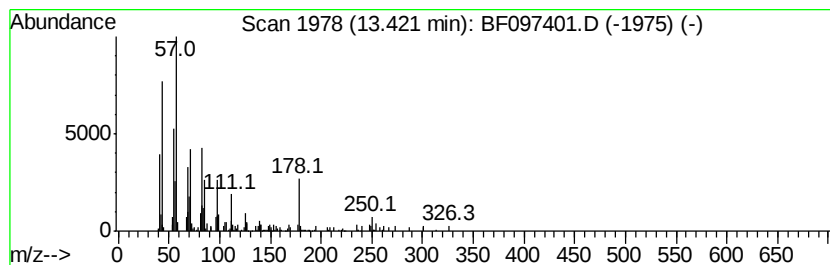
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

Peak Number 12 Octatriacontyl pentafluorop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	3.41 ng	126213	Chrysene-d12	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	70
2			1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	70
3			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	70
4			Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	62
5			1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	62



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ALS Vial : 12 Sample Multiplier: 1

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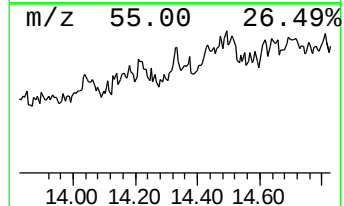
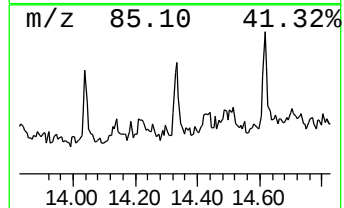
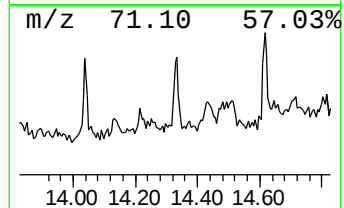
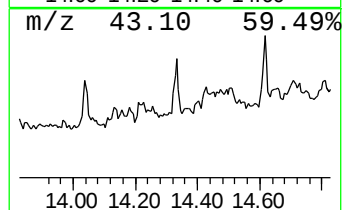
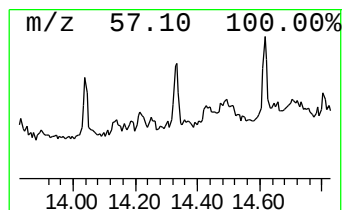
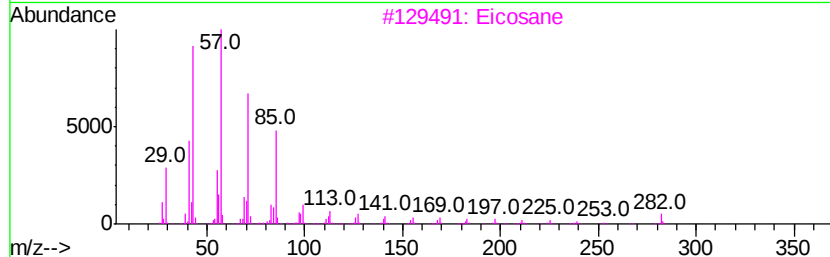
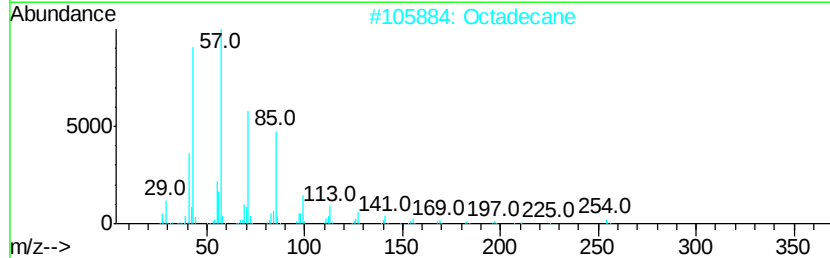
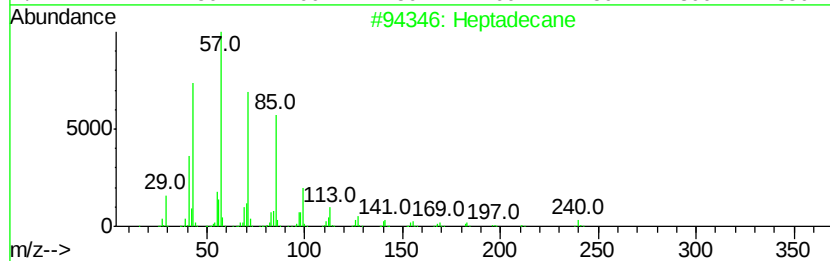
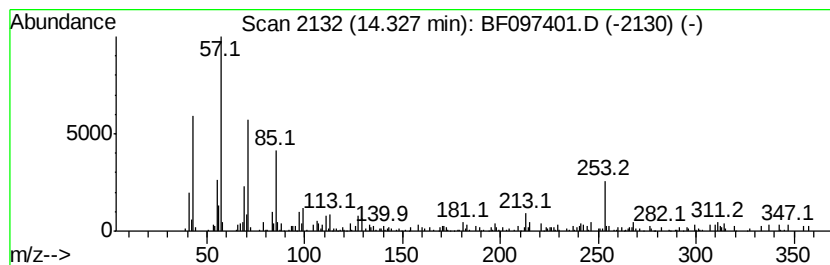
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	3.78 ng	79627	Perylene-d12	14.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	78
2		Octadecane	254	C18H38	000593-45-3	70
3		Eicosane	282	C20H42	000112-95-8	70
4		Tricosane	324	C23H48	000638-67-5	64
5		Nonadecane	268	C19H40	000629-92-5	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
Data File : BF097401.D
Acq On : 5 Aug 2017 17:04
Operator : SJ/JU
Sample : I4610-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.55	21.2	ng	618686	1	6.42	584271	20.0
unknown6.20	6.20	78.0	ng	2278290	1	6.42	584271	20.0
Hexadecane	10.37	3.5	ng	97285	4	10.92	563776	20.0
Dibenzothiophene	10.82	2.3	ng	64977	4	10.92	563776	20.0
Phenanthrene, 2-m...	11.42	3.2	ng	91389	4	10.92	563776	20.0
Anthracene, 2-met...	11.45	3.3	ng	92024	4	10.92	563776	20.0
Benzaldehyde, 3,5...	11.53	5.6	ng	158212	4	10.92	563776	20.0
Anthracene, 1,4-d...	11.97	3.0	ng	84483	4	10.92	563776	20.0
Pyrene, 1-methyl-	12.68	2.3	ng	84287	5	13.55	740971	20.0
Octatriacontyl pe...	13.42	3.4	ng	126213	5	13.55	740971	20.0
Heptadecane	14.33	3.8	ng	79627	6	14.88	421043	20.0