

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
 Data File : BF101802.D
 Acq On : 28 Dec 2017 15:10
 Operator : SJ/JU
 Sample : I6970-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3-0-5

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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	5.004	492	496	514	rBV	496667	930088	23.45%	2.571%
2	5.410	561	565	598	rBV	2847459	3724762	93.93%	10.297%
3	6.434	735	739	756	rBV	3000573	3965478	100.00%	10.962%
4	6.557	756	760	776	rVB	3349274	3559345	89.76%	9.840%
5	6.781	795	798	807	rBV	1000900	987538	24.90%	2.730%
6	6.939	821	825	850	rVB	2856912	2918954	73.61%	8.069%
7	7.357	892	896	919	rBV	2270791	2482069	62.59%	6.861%
8	8.063	1013	1016	1038	rVB	1213539	1318763	33.26%	3.646%
9	9.139	1194	1199	1202	rBV	4010081	3711176	93.59%	10.259%
10	9.204	1207	1210	1213	rVB	57918	53022	1.34%	0.147%
11	9.539	1260	1267	1272	rBV	151465	194264	4.90%	0.537%
12	9.733	1297	1300	1304	rVB	124168	89295	2.25%	0.247%
13	9.822	1311	1315	1319	rBV	1279109	1199004	30.24%	3.315%
14	9.851	1319	1320	1327	rVB	54404	55462	1.40%	0.153%
15	10.233	1378	1385	1388	rBV	150451	144605	3.65%	0.400%
16	10.375	1407	1409	1415	rVB	39300	41133	1.04%	0.114%
17	10.451	1415	1422	1425	rBV3	67029	102161	2.58%	0.282%
18	10.616	1447	1450	1462	rBV	1011341	1122346	28.30%	3.103%
19	10.704	1462	1465	1475	rVB	151510	198894	5.02%	0.550%
20	11.157	1538	1542	1544	rBV4	132257	143186	3.61%	0.396%
21	11.180	1544	1546	1550	rVB	51805	45319	1.14%	0.125%
22	11.316	1565	1569	1571	rBV	1037574	1037310	26.16%	2.868%
23	11.339	1571	1573	1577	rVV	422111	385866	9.73%	1.067%
24	11.392	1580	1582	1589	rVV	107713	129422	3.26%	0.358%
25	11.580	1609	1614	1616	rBV2	69309	79889	2.01%	0.221%
26	11.816	1651	1654	1657	rBV	81264	94163	2.37%	0.260%
27	11.845	1657	1659	1663	rVB	91245	83797	2.11%	0.232%
28	11.927	1670	1673	1676	rBV	126788	139794	3.53%	0.386%
29	11.986	1680	1683	1686	rVB	60044	46927	1.18%	0.130%
30	12.110	1701	1704	1711	rBV	51583	57439	1.45%	0.159%
31	12.369	1745	1748	1753	rBV2	86406	106435	2.68%	0.294%
32	12.474	1764	1766	1771	rVB3	45590	47480	1.20%	0.131%
33	12.533	1772	1776	1780	rBV	589223	539561	13.61%	1.492%
34	12.763	1809	1815	1821	rBV	693386	728246	18.36%	2.013%

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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

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35	12.892	1833	1837	1841	rBV	2558286	2474444	62.40%	6.840%
36	13.292	1903	1905	1908	rBV	46311	41923	1.06%	0.116%
37	13.321	1908	1910	1913	rVV	50336	45097	1.14%	0.125%
38	13.768	1983	1986	1994	rBV5	189200	267930	6.76%	0.741%
39	13.963	2015	2019	2022	rBV2	913148	1134108	28.60%	3.135%
40	13.992	2022	2024	2032	rVB	289086	288337	7.27%	0.797%
41	15.015	2194	2198	2201	rBV	249891	348417	8.79%	0.963%
42	15.315	2246	2249	2254	rVB	106778	132176	3.33%	0.365%
43	15.380	2257	2260	2265	rVB	227587	260233	6.56%	0.719%
44	15.433	2265	2269	2276	rBV	548733	718029	18.11%	1.985%

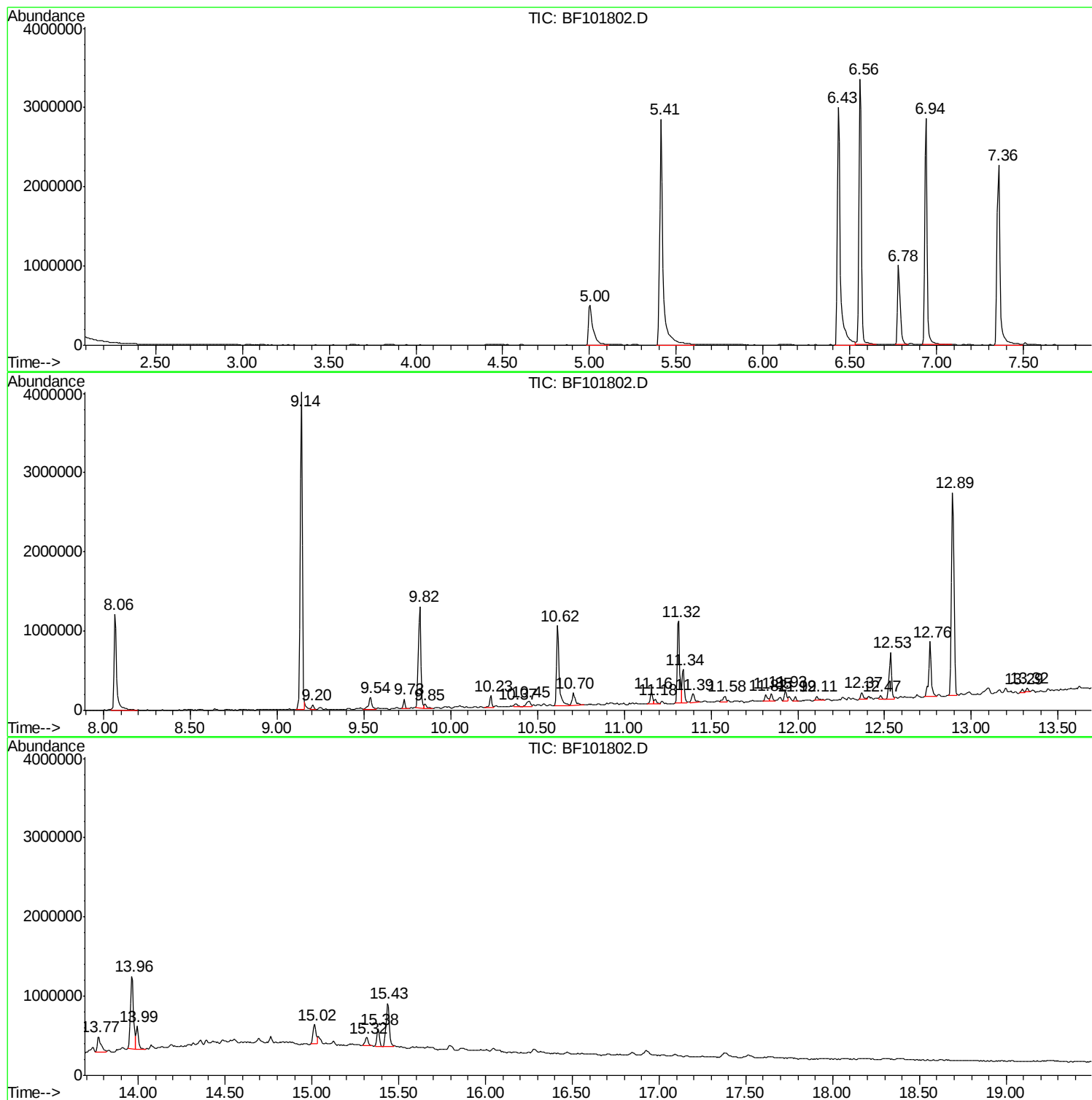
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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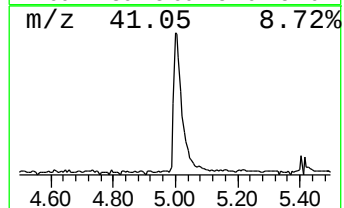
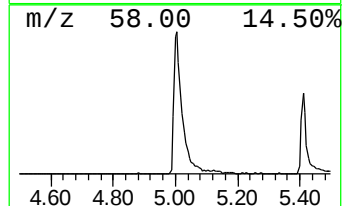
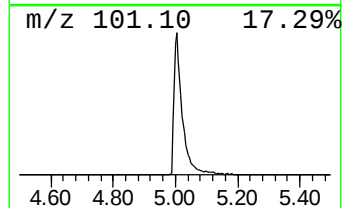
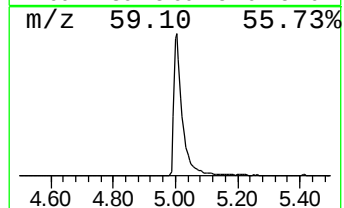
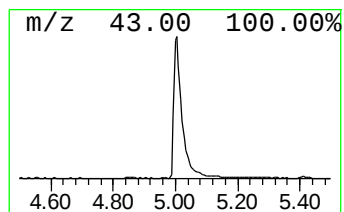
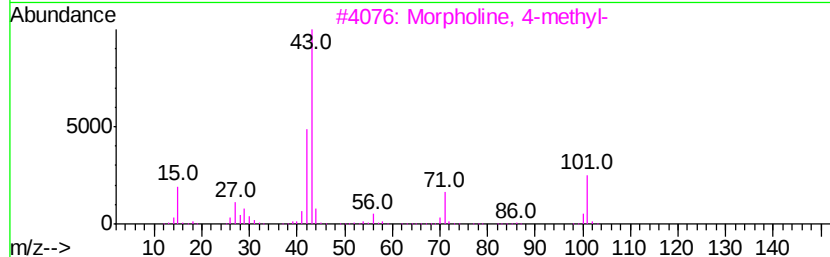
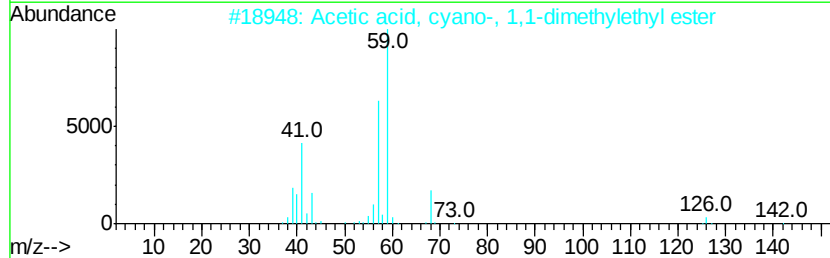
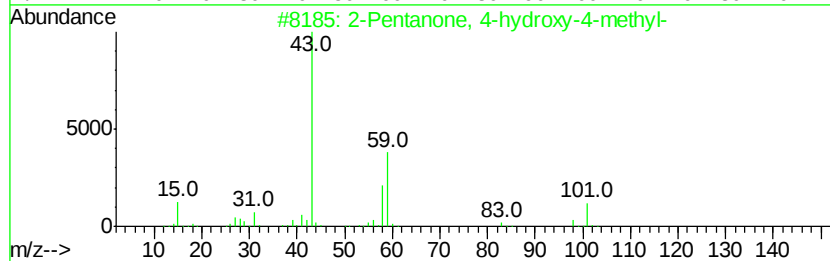
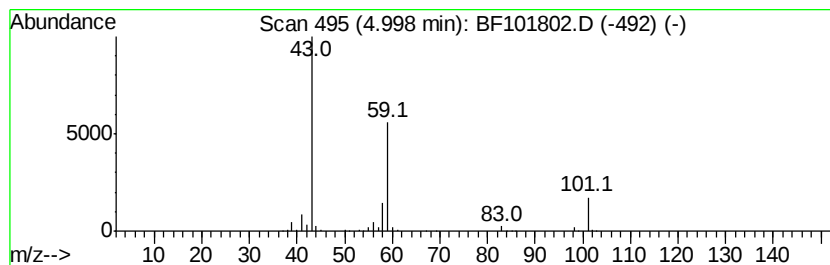
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.00	18.84 ng	930088	1,4-Dichlorobenzene-d4	6.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23		
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9		



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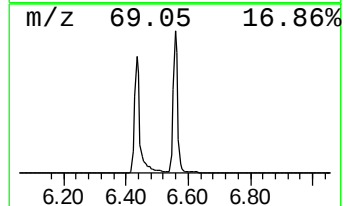
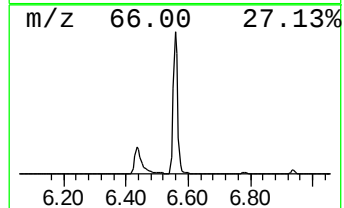
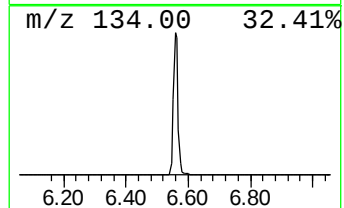
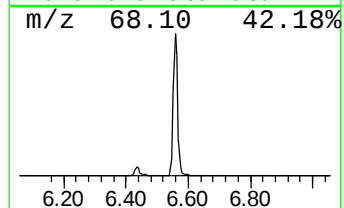
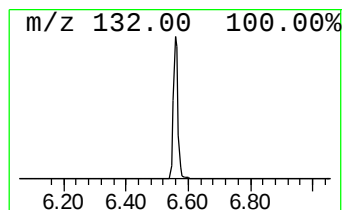
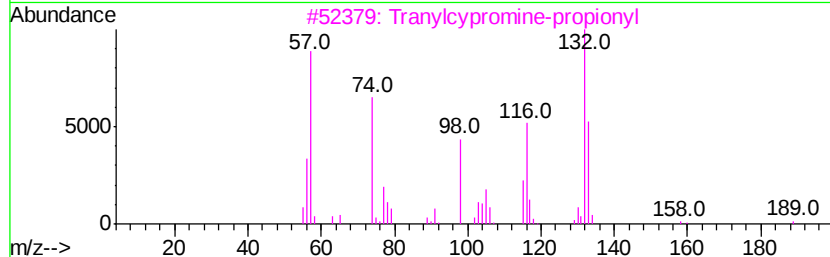
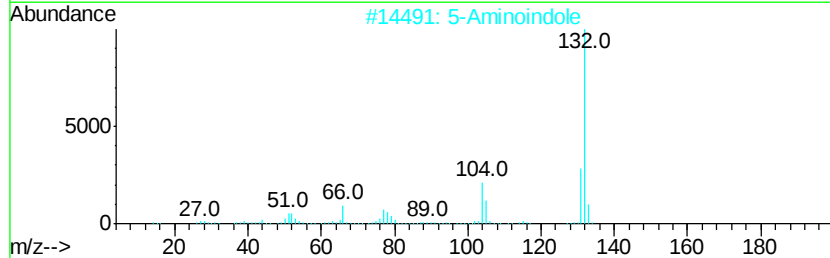
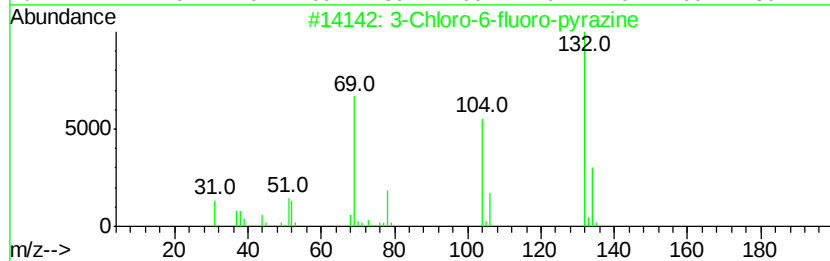
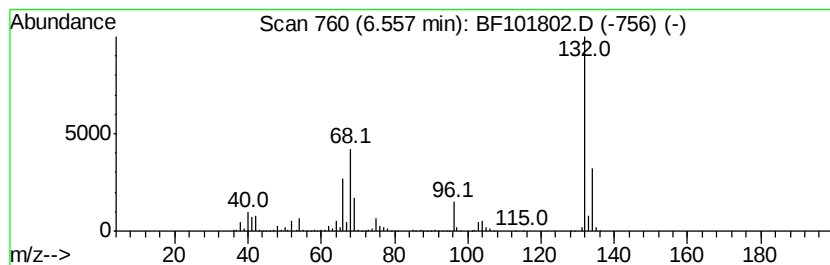
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Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	72.09 ng	3559350	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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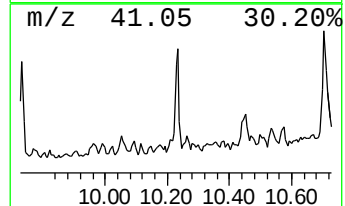
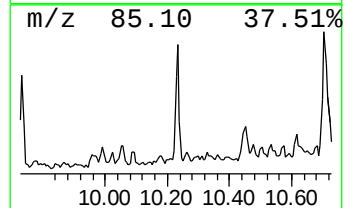
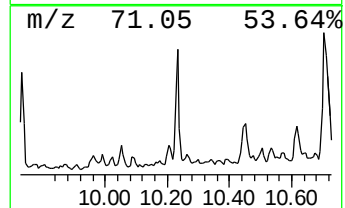
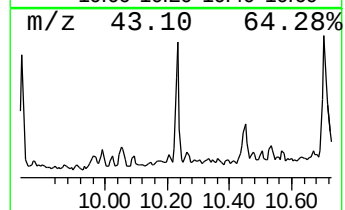
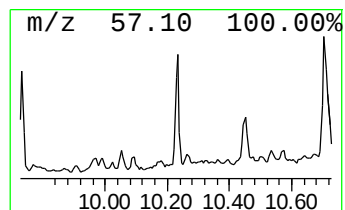
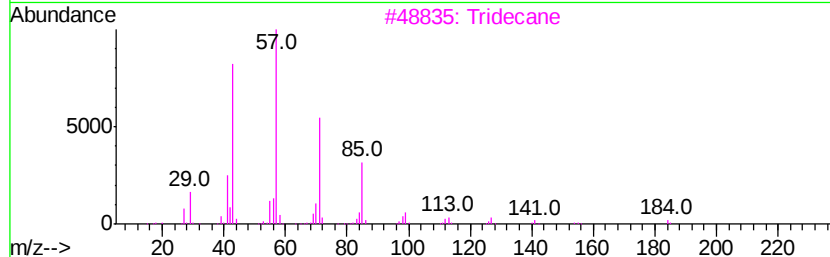
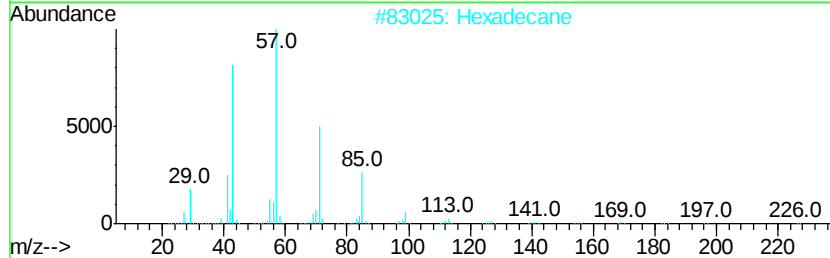
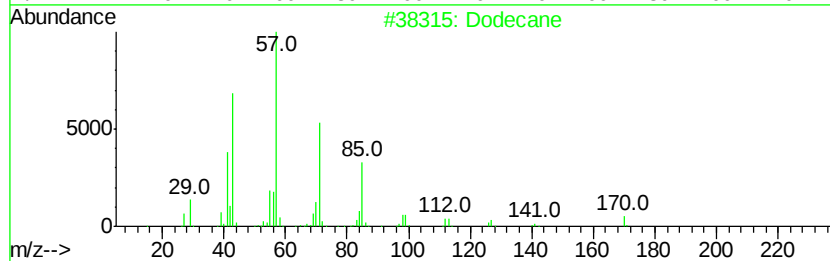
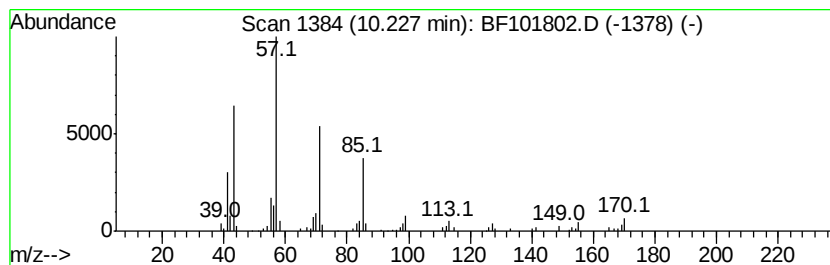
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	2.41 ng	144605	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	87
2	Hexadecane	226 C16H34	000544-76-3	86
3	Tridecane	184 C13H28	000629-50-5	80
4	Tetradecane	198 C14H30	000629-59-4	80
5	Octadecane	254 C18H38	000593-45-3	59



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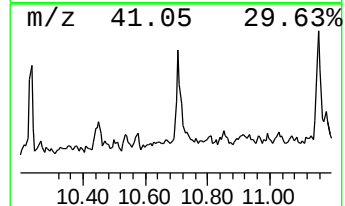
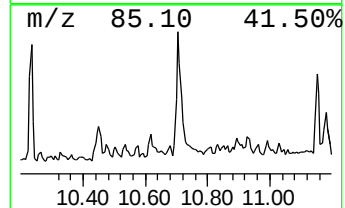
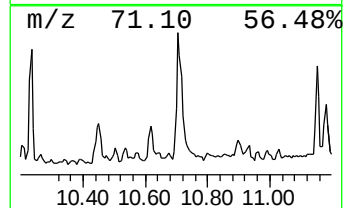
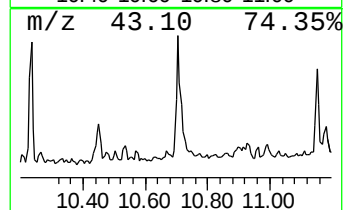
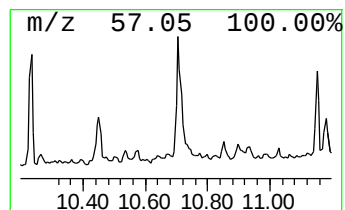
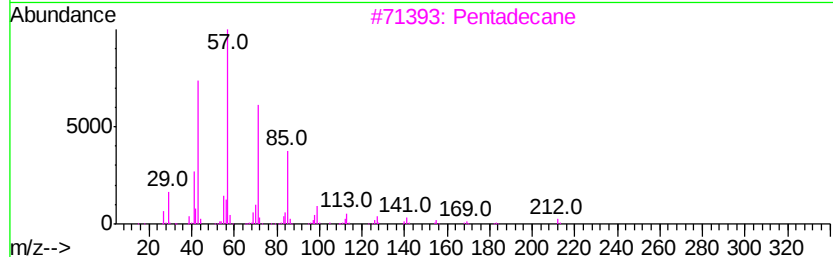
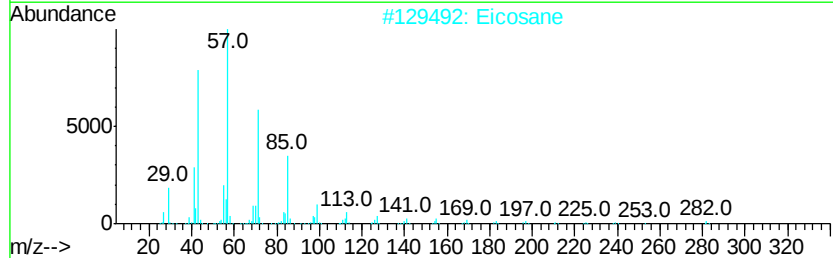
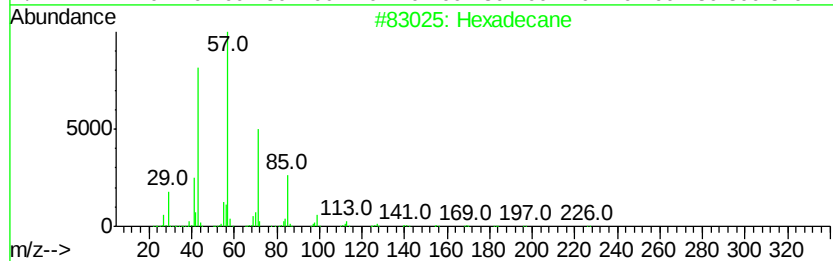
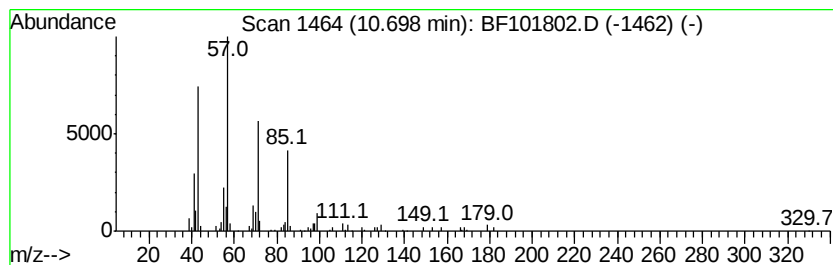
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.70	3.83 ng	198894	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Eicosane	282	C20H42	000112-95-8	90
3	Pentadecane	212	C15H32	000629-62-9	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86



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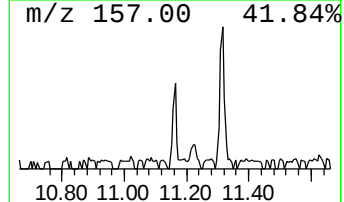
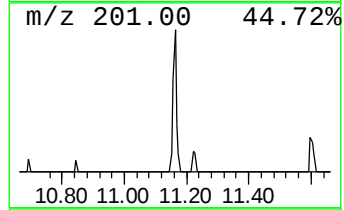
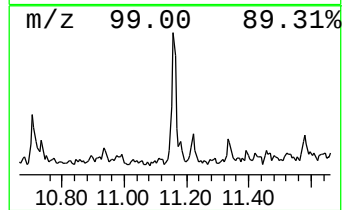
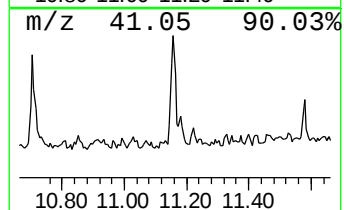
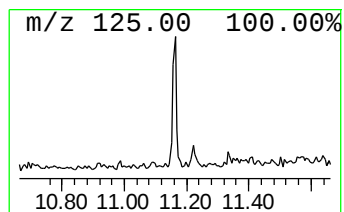
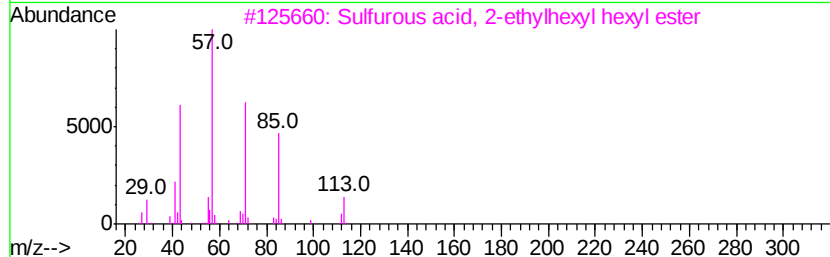
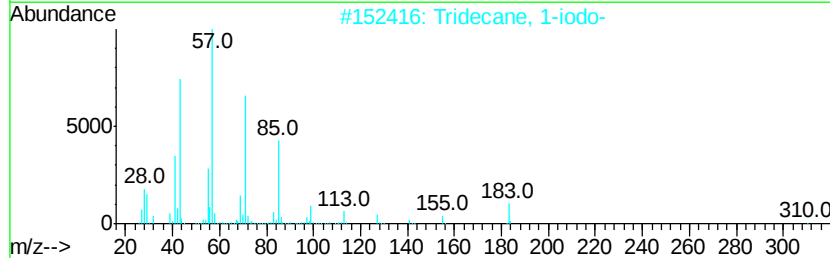
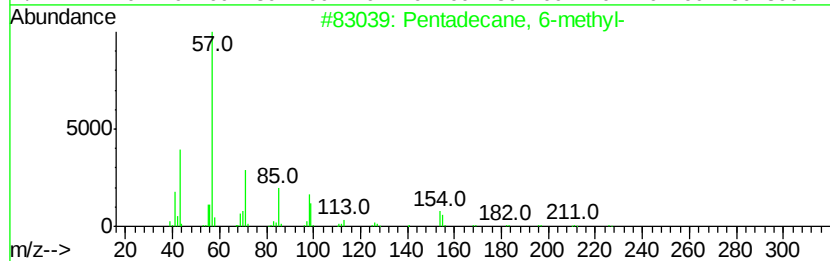
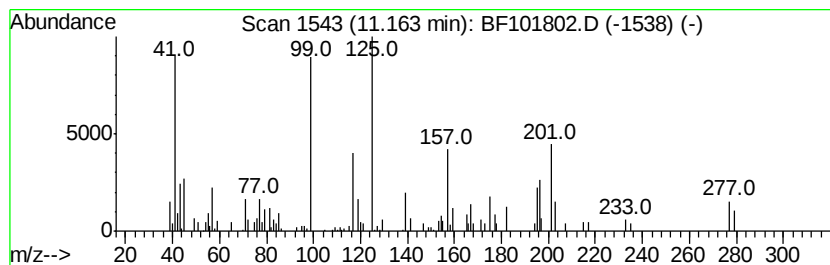
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.16 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	2.76 ng	143186	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	35
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	27
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	27
4	Hexadecane	226	C16H34	000544-76-3	27
5	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
Data File : BF101802.D
Acq On : 28 Dec 2017 15:10
Operator : SJ/JU
Sample : I6970-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S3-0-5

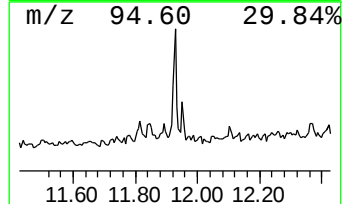
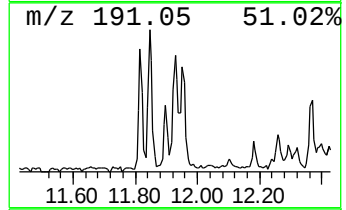
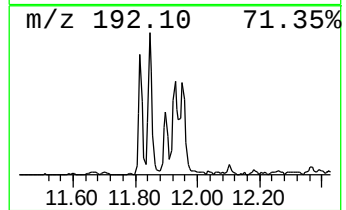
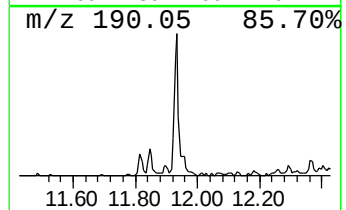
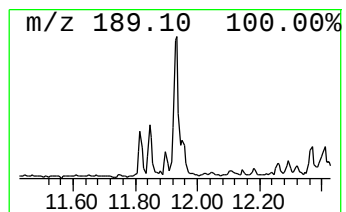
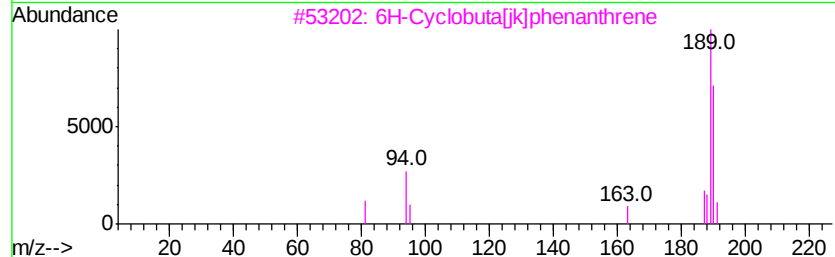
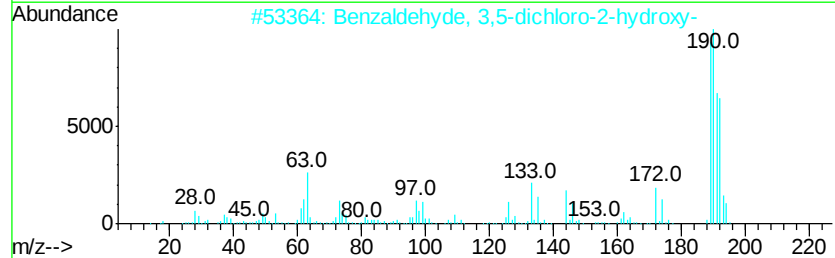
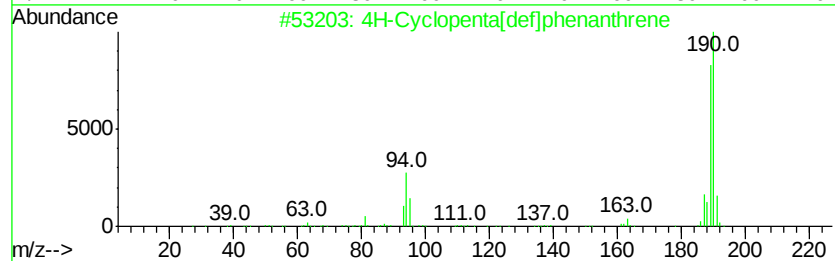
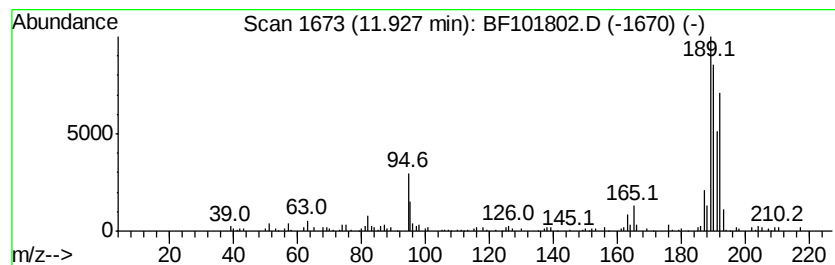
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.70 ng	139794	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30
5		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	30



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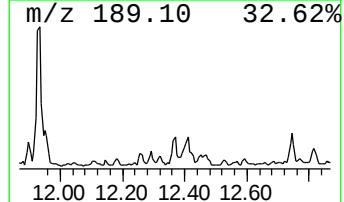
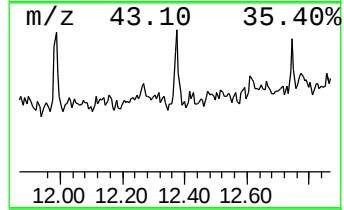
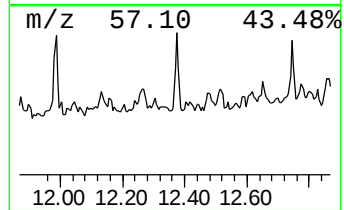
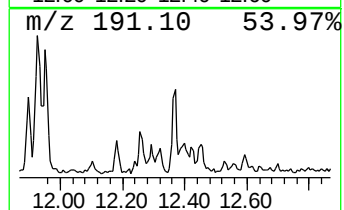
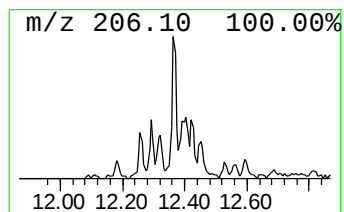
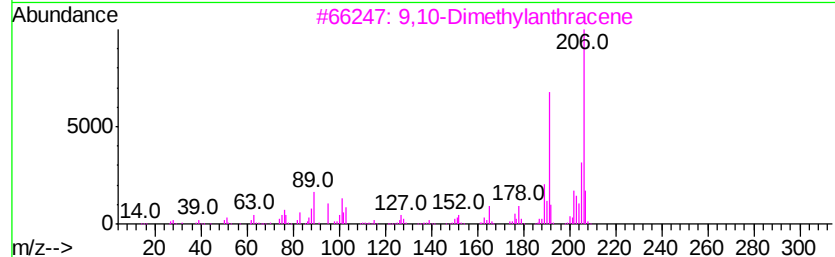
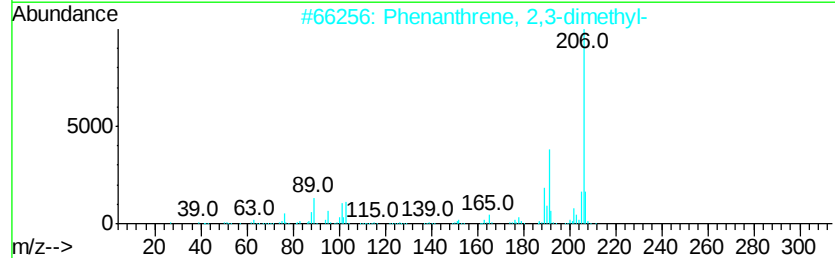
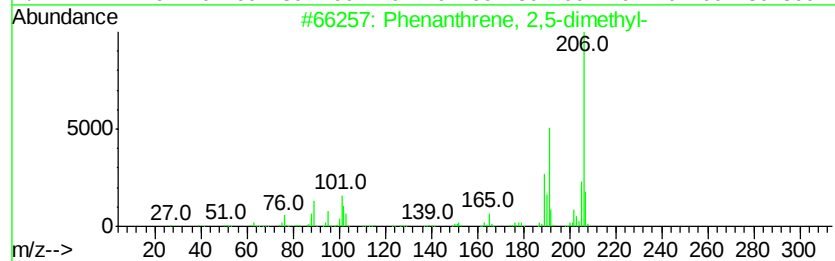
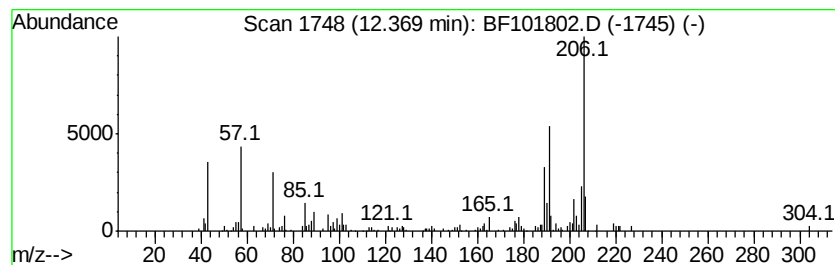
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.05 ng	106435	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
Data File : BF101802.D
Acq On : 28 Dec 2017 15:10
Operator : SJ/JU
Sample : I6970-03
Misc :
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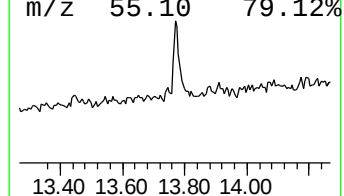
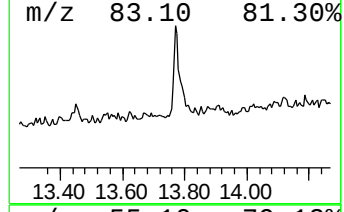
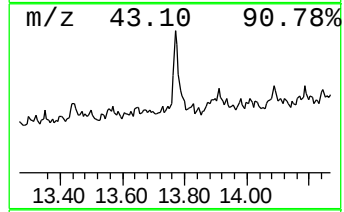
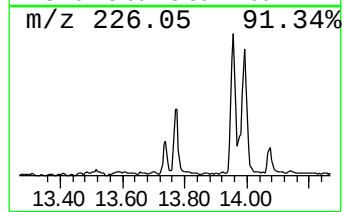
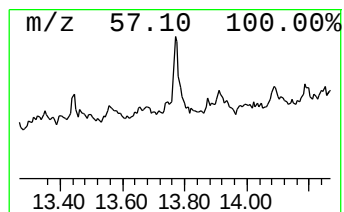
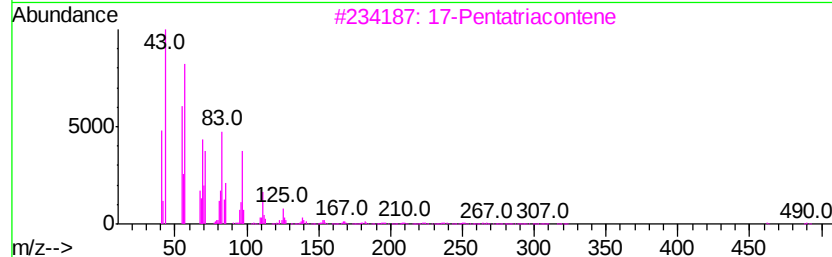
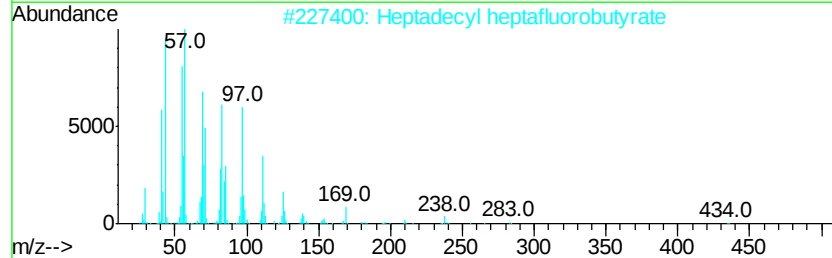
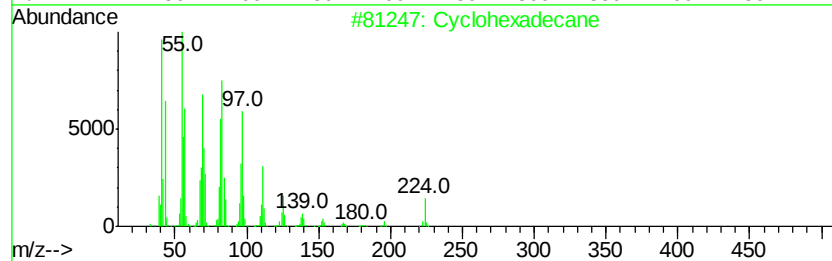
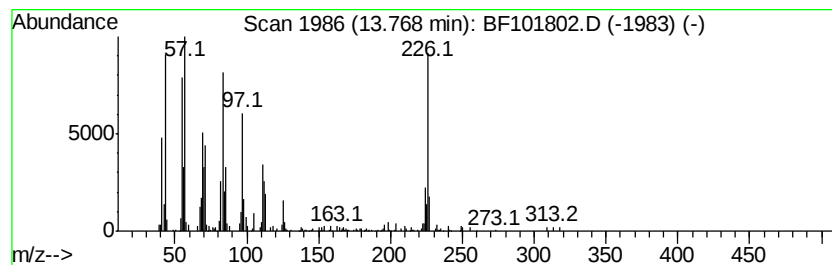
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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Peak Number 9 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.77	4.72 ng	267930	Chrysene-d12	13.97		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexadecane	224	C16H32	000295-65-8	78
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	64
3		17-Pentatriacontene	491	C35H70	006971-40-0	53
4		Cetene	224	C16H32	000629-73-2	53
5		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101802.D
Acq On : 28 Dec 2017 15:10
Operator : SJ/JU
Sample : I6970-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S3-0-5

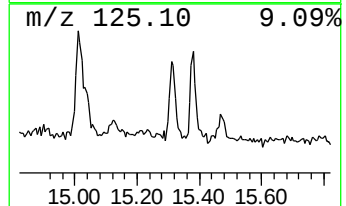
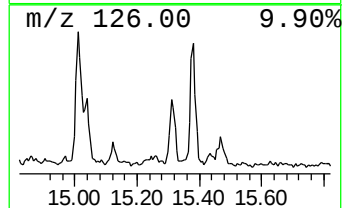
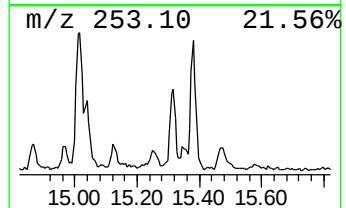
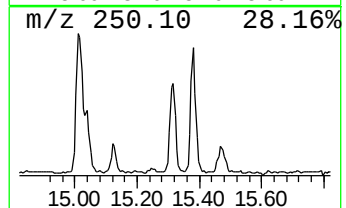
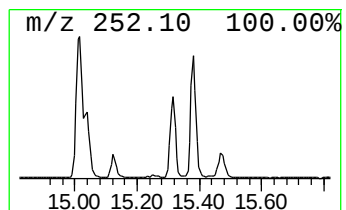
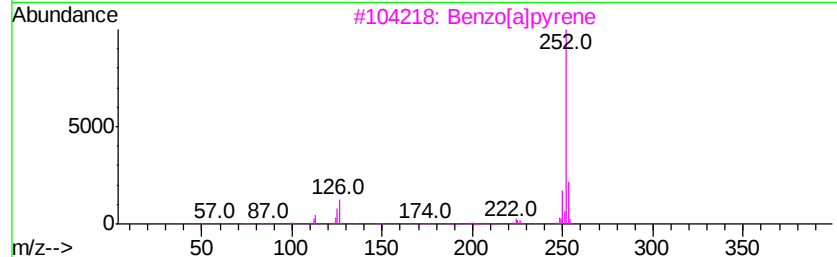
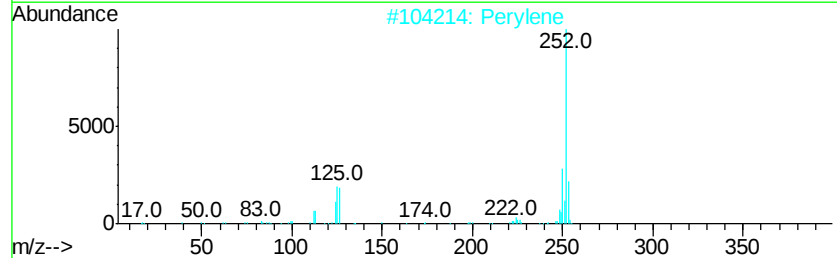
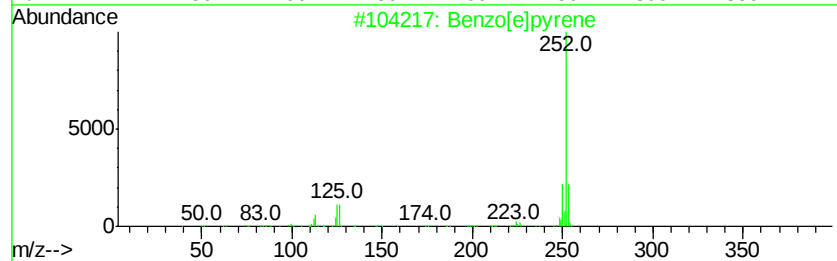
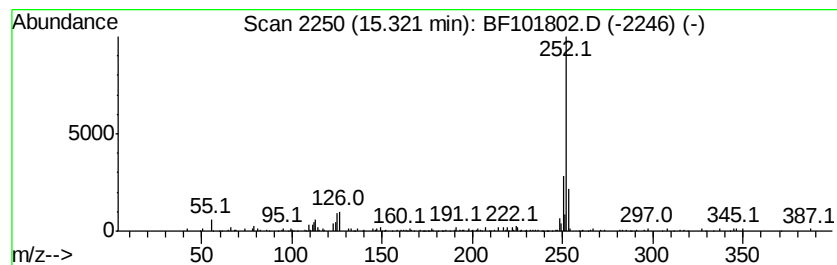
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TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	3.68 ng	132176	Perylene-d12	15.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Perylene	252	C20H12	000198-55-0	96
3			Benzo[a]pyrene	252	C20H12	000050-32-8	95
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94



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Sample : I6970-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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...	5.00	18.8	ng	930088	1	6.78	987538	20.0
unknown6.56	6.56	72.1	ng	3559350	1	6.78	987538	20.0
Dodecane	10.23	2.4	ng	144605	3	9.82	1199000	20.0
Hexadecane	10.70	3.8	ng	198894	4	11.32	1037310	20.0
unknown11.16	11.16	2.8	ng	143186	4	11.32	1037310	20.0
4H-Cyclopenta[def...	11.93	2.7	ng	139794	4	11.32	1037310	20.0
Phenanthrene, 2,5...	12.37	2.0	ng	106435	4	11.32	1037310	20.0
Cyclohexadecane	13.77	4.7	ng	267930	5	13.97	1134110	20.0
Benzo[e]pyrene	15.32	3.7	ng	132176	6	15.43	718029	20.0