

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110982.D
 Acq On : 26 Nov 2018 23:46
 Operator : JU/SJ
 Sample : J6028-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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	2.240	21	26	33	rVB	84090	111779	8.47%	0.823%
2	5.181	522	526	542	rBV	36138	60190	4.56%	0.443%
3	5.563	587	591	619	rBV	1098098	1205127	91.37%	8.870%
4	6.569	758	762	782	rBV	1164860	1318991	100.00%	9.708%
5	6.710	782	786	792	rBV	1442171	1243404	94.27%	9.152%
6	6.939	822	825	833	rBV	356952	326989	24.79%	2.407%
7	7.092	847	851	867	rBV	1129643	1002618	76.01%	7.380%
8	7.504	918	921	943	rBV	619926	722391	54.77%	5.317%
9	8.222	1040	1043	1062	rBV	332473	392618	29.77%	2.890%
10	9.292	1221	1225	1234	rBV	1470071	1244536	94.36%	9.160%
11	9.686	1287	1292	1299	rBV	120359	134465	10.19%	0.990%
12	9.845	1314	1319	1323	rBV	14257	20264	1.54%	0.149%
13	9.980	1338	1342	1346	rBV	408052	359493	27.26%	2.646%
14	10.016	1346	1348	1354	rVB	35143	33420	2.53%	0.246%
15	10.539	1434	1437	1442	rVB	21547	23833	1.81%	0.175%
16	10.598	1442	1447	1453	rBV4	9913	15119	1.15%	0.111%
17	10.774	1474	1477	1484	rBV	563848	596946	45.26%	4.394%
18	10.869	1489	1493	1495	rBV2	14622	18970	1.44%	0.140%
19	11.304	1563	1567	1570	rBV2	11413	20274	1.54%	0.149%
20	11.480	1593	1597	1599	rBV	379759	364788	27.66%	2.685%
21	11.504	1599	1601	1607	rVV	309022	268136	20.33%	1.974%
22	11.557	1607	1610	1617	rVV	72895	80134	6.08%	0.590%
23	11.721	1635	1638	1644	rVB3	25321	36285	2.75%	0.267%
24	11.980	1679	1682	1685	rBV2	61177	67088	5.09%	0.494%
25	12.010	1685	1687	1693	rVB2	46855	47988	3.64%	0.353%
26	12.098	1698	1702	1704	rBV	60259	65096	4.94%	0.479%
27	12.274	1729	1732	1737	rBV	31038	28776	2.18%	0.212%
28	12.527	1773	1775	1778	rBV	43067	45057	3.42%	0.332%
29	12.633	1791	1793	1798	rVB2	22540	26281	1.99%	0.193%
30	12.698	1800	1804	1809	rBV	481500	459356	34.83%	3.381%
31	12.851	1827	1830	1836	rBV3	23854	33124	2.51%	0.244%
32	12.910	1837	1840	1841	rVV2	90777	77532	5.88%	0.571%
33	12.933	1841	1844	1849	rVV	437737	395143	29.96%	2.908%
34	12.980	1849	1852	1855	rVB	23464	26036	1.97%	0.192%

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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	13.057	1861	1865	1869	rBV	1090886	1023991	77.63%	7.537%
36	13.157	1876	1882	1886	rBV4	28121	56629	4.29%	0.417%
37	13.198	1886	1889	1891	rBV2	14171	14805	1.12%	0.109%
38	13.263	1893	1900	1904	rBV	58580	91472	6.93%	0.673%
39	13.327	1908	1911	1913	rBV	37373	38947	2.95%	0.287%
40	13.463	1931	1934	1936	rBV	18683	18797	1.43%	0.138%
41	13.492	1936	1939	1941	rBV2	22651	23532	1.78%	0.173%
42	13.604	1956	1958	1960	rVB	22711	15794	1.20%	0.116%
43	13.886	2004	2006	2008	rBV2	32048	36410	2.76%	0.268%
44	13.933	2011	2014	2020	rVB3	75579	104009	7.89%	0.766%
45	14.133	2043	2048	2051	rBV2	326522	451789	34.25%	3.325%
46	14.162	2051	2053	2060	rVB	155706	137180	10.40%	1.010%
47	14.245	2064	2067	2070	rBV2	62253	60321	4.57%	0.444%
48	14.868	2171	2173	2177	rVB	53673	44358	3.36%	0.326%
49	15.215	2229	2232	2236	rBV	143965	195894	14.85%	1.442%
50	15.539	2285	2287	2292	rVB	49546	55144	4.18%	0.406%
51	15.609	2296	2299	2306	rVB	134204	161056	12.21%	1.185%
52	15.674	2306	2310	2314	rBV	138374	183855	13.94%	1.353%

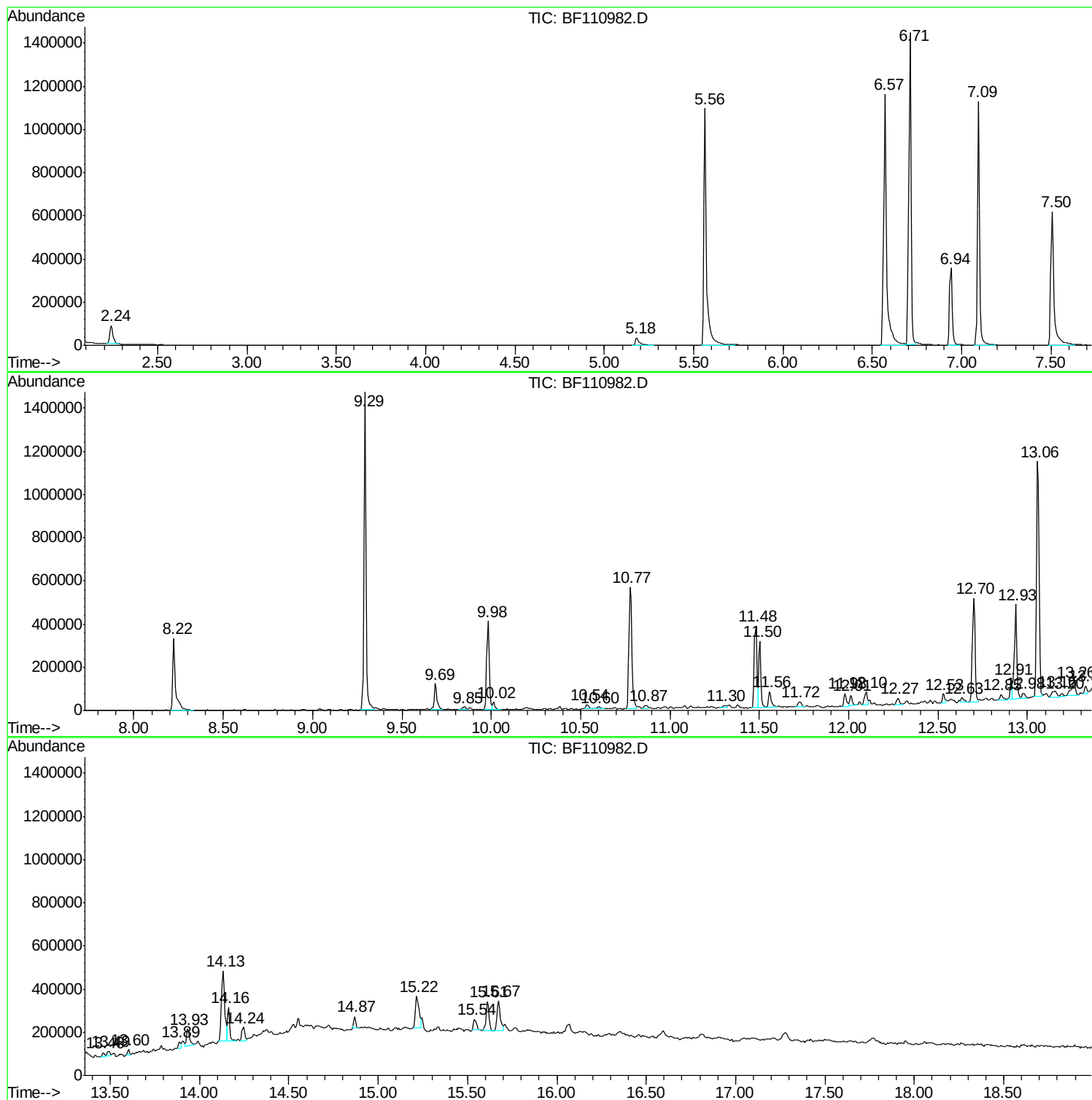
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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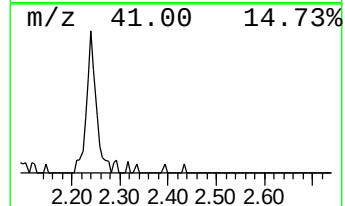
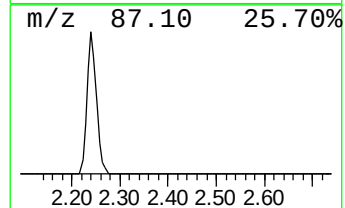
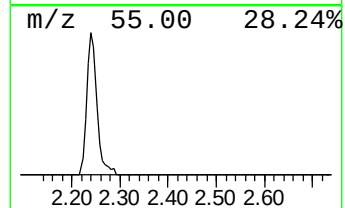
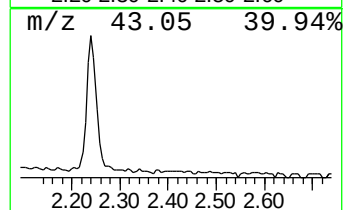
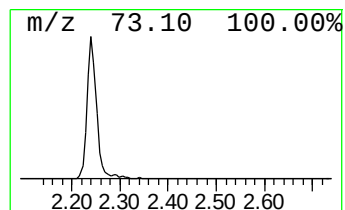
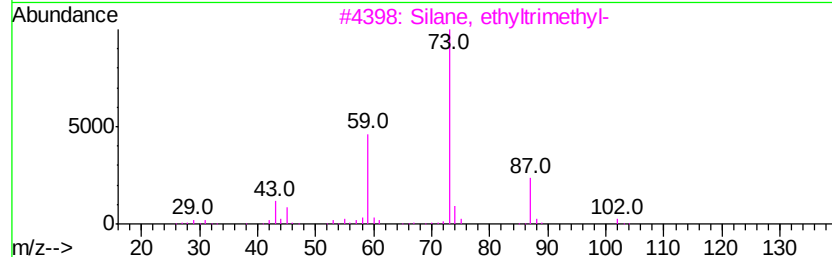
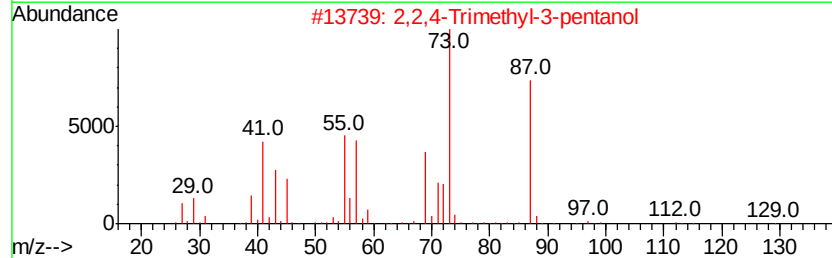
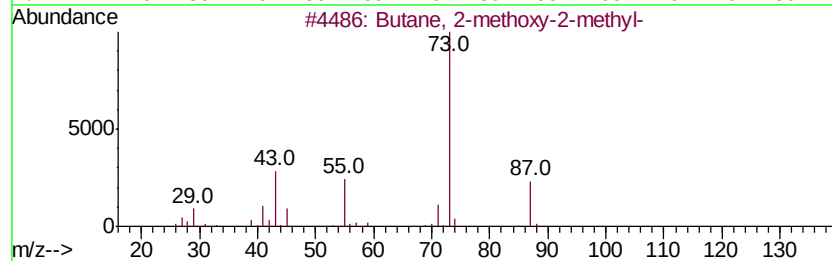
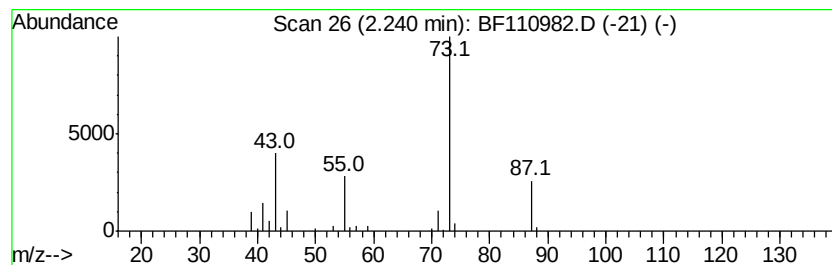
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	6.84 ng	111779	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
3			Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	28
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	25
5			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23



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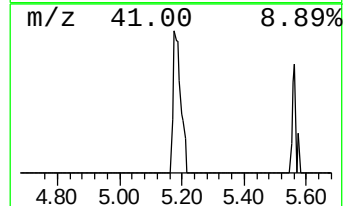
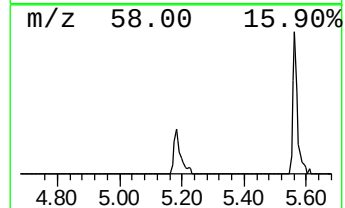
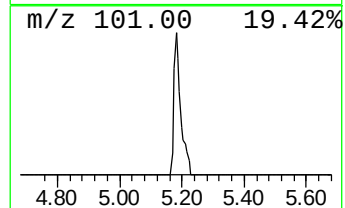
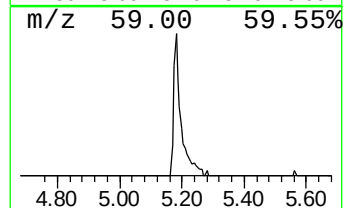
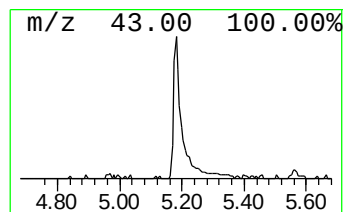
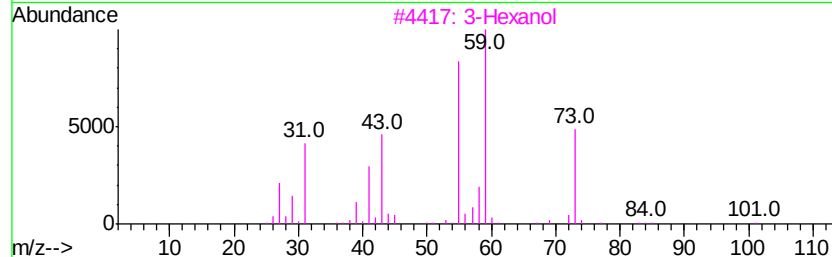
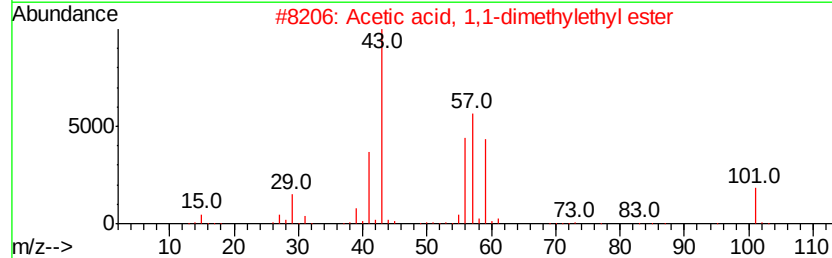
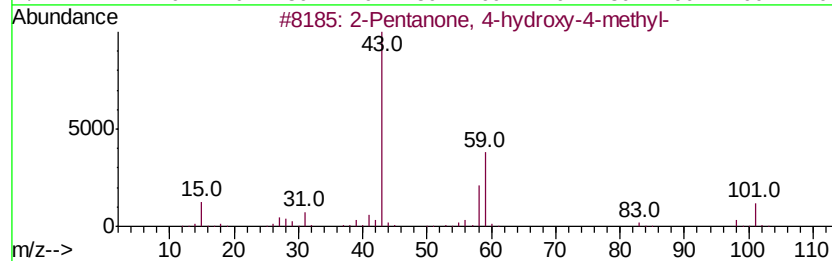
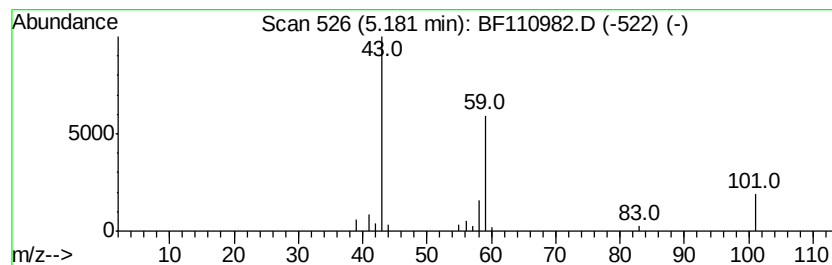
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	3.68 ng	60190	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	40
3			3-Hexanol	102	C6H14O	000623-37-0	33
4			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	32
5			1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25



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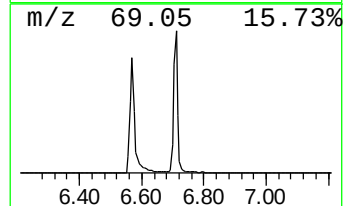
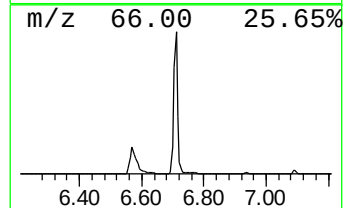
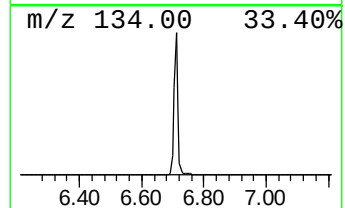
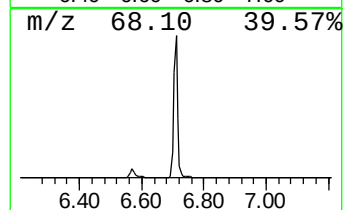
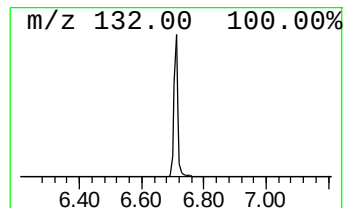
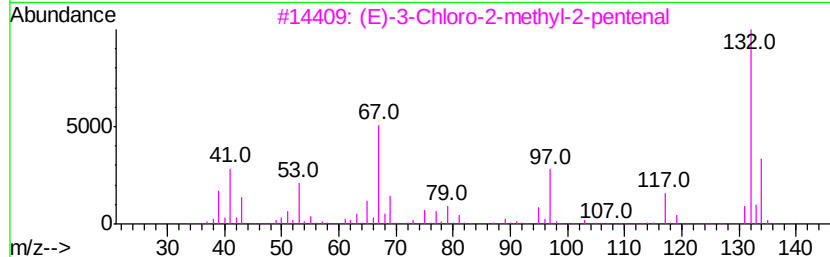
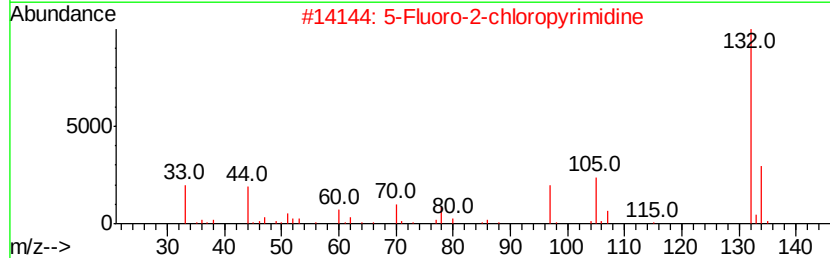
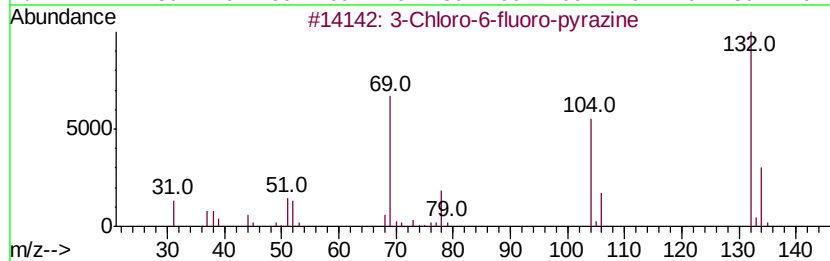
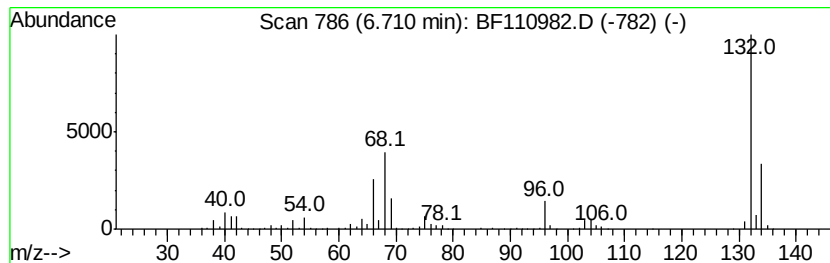
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	76.05 ng	1243400	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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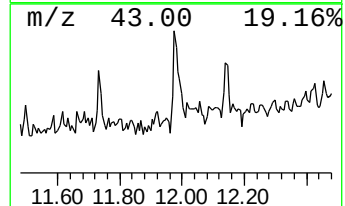
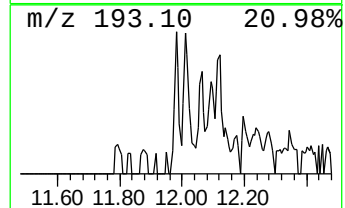
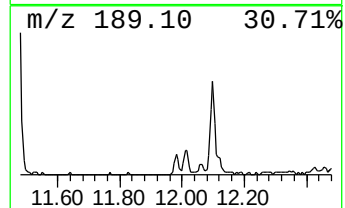
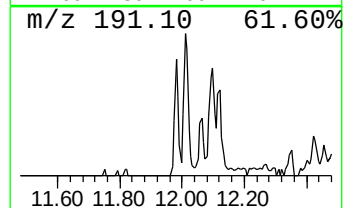
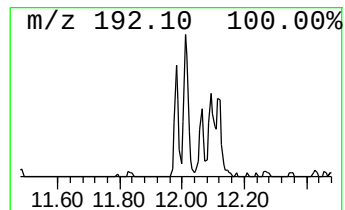
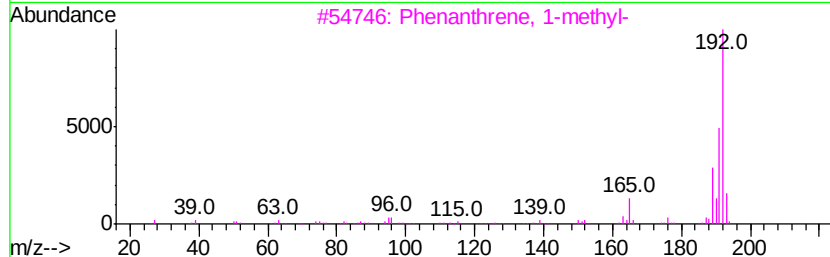
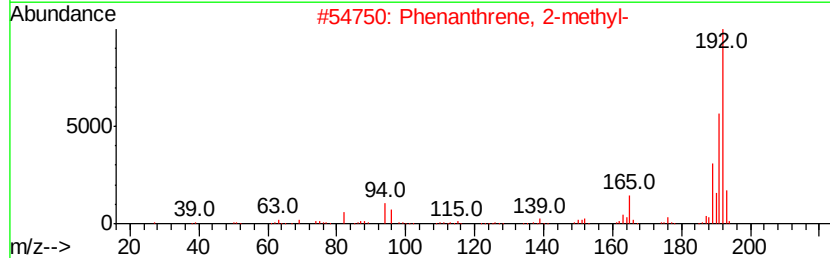
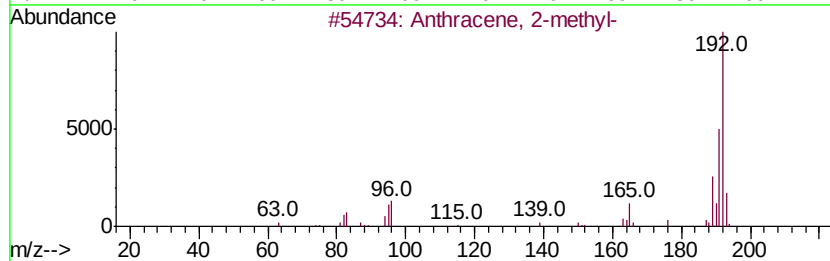
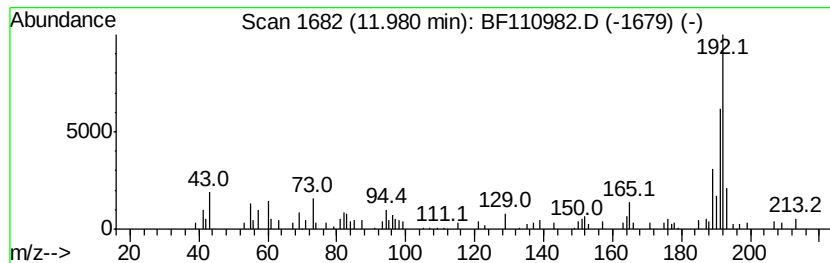
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	3.68 ng	67088	Phenanthrene-d10	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	70
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70



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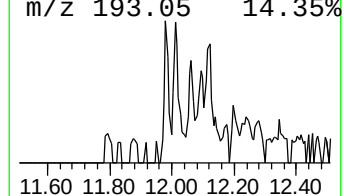
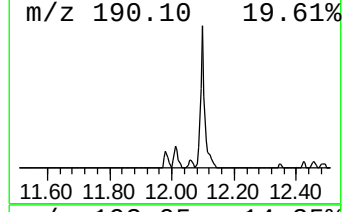
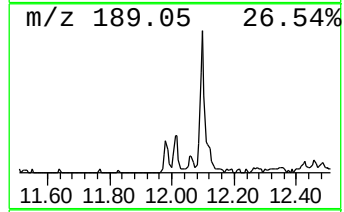
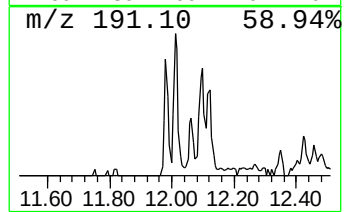
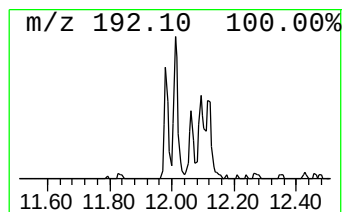
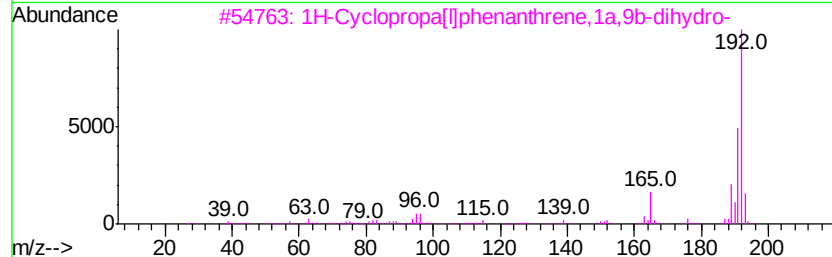
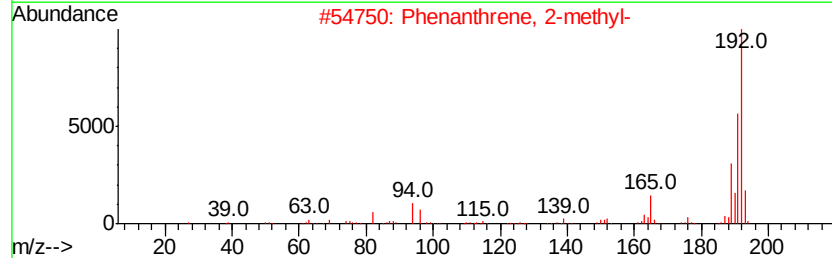
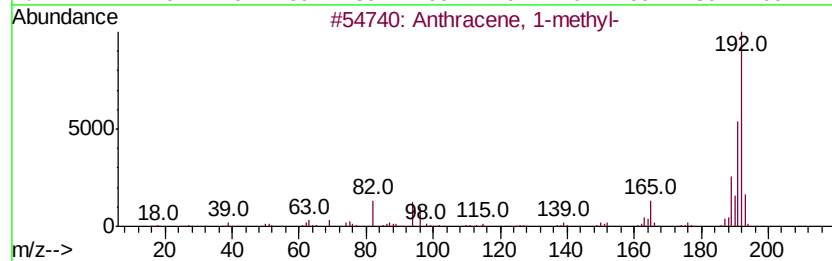
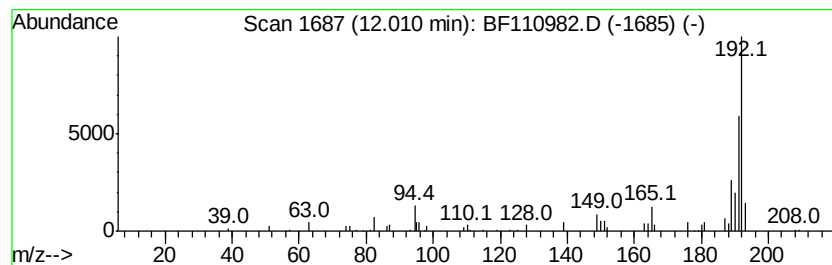
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.63 ng	47988	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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Acq On : 26 Nov 2018 23:46
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Sample : J6028-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

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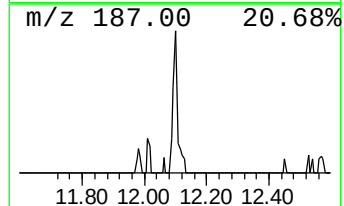
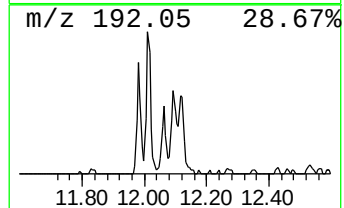
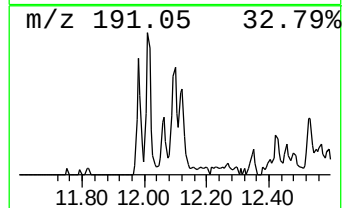
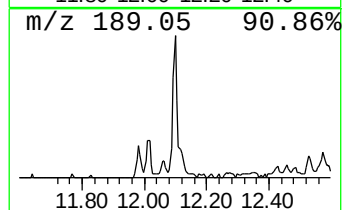
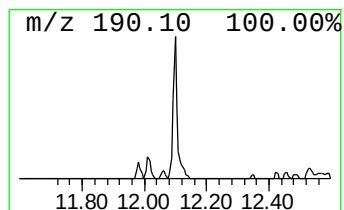
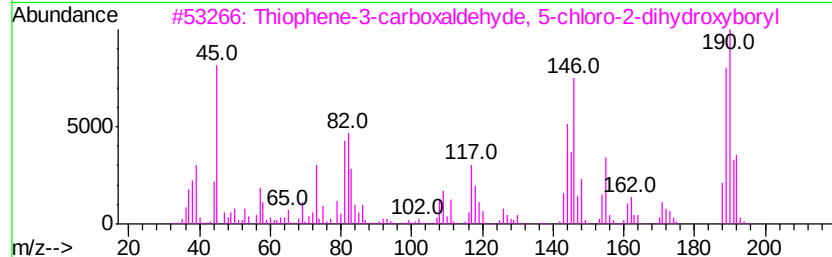
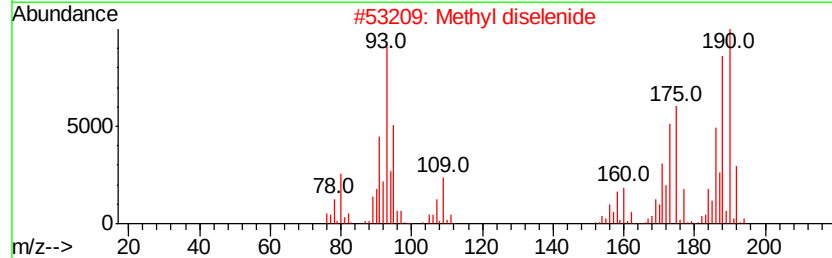
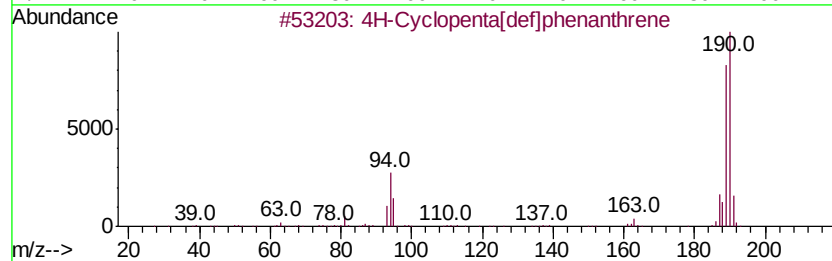
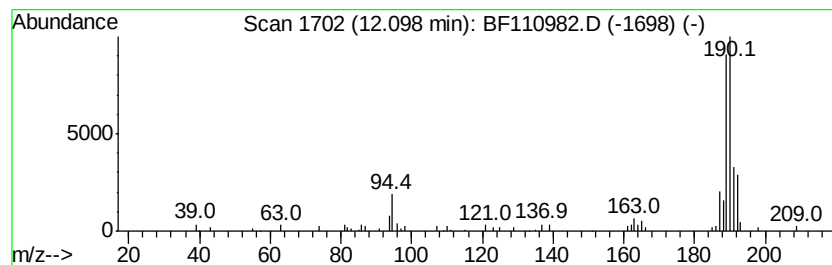
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.57 ng	65096	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		Methyl diselenide	190	C2H6Se2	007101-31-7	55
3		Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	52
4		1H-Pyrazole-4-carboxaldehyde, 1-methyl-	190	C10H7FN2O	1000338-05-6	52
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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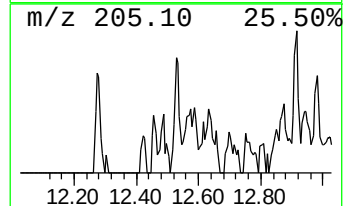
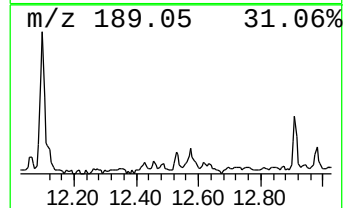
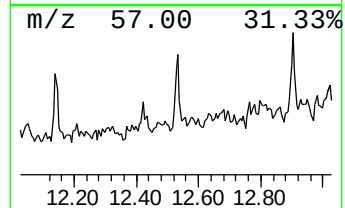
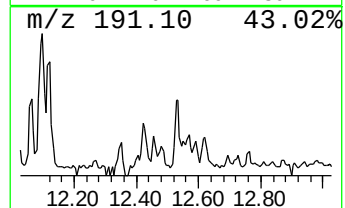
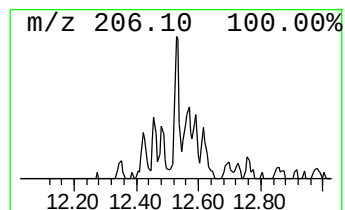
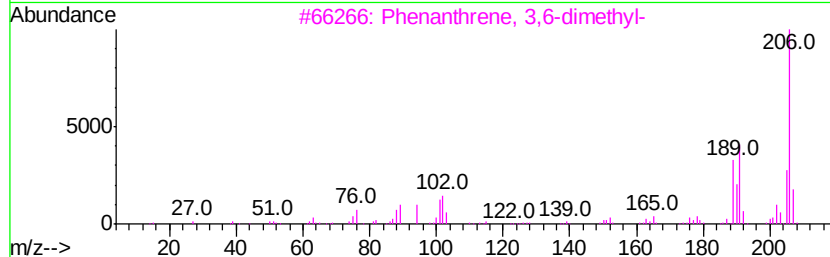
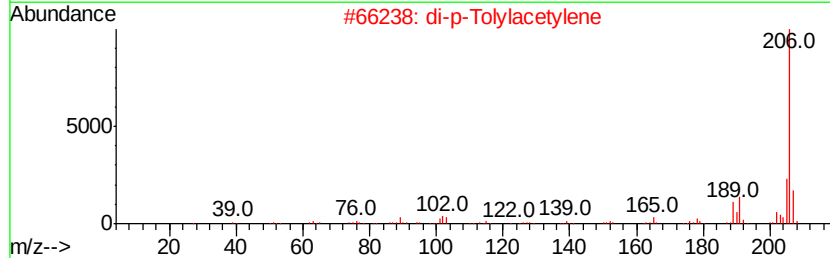
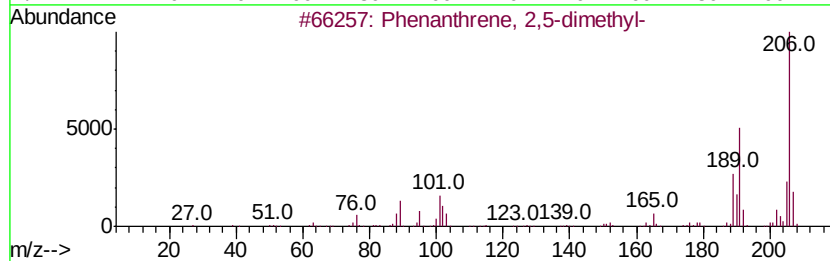
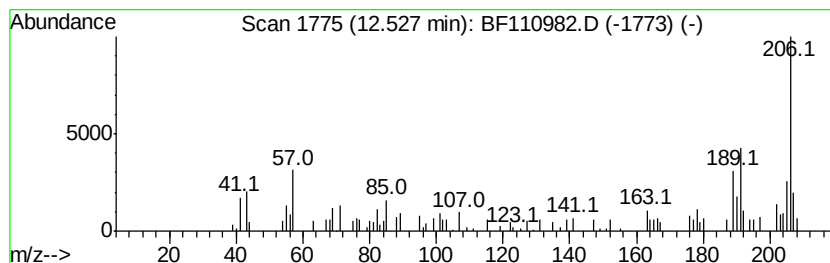
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.47 ng	45057	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110982.D
Acq On : 26 Nov 2018 23:46
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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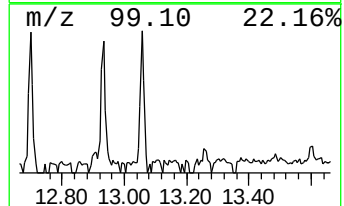
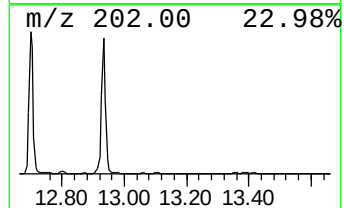
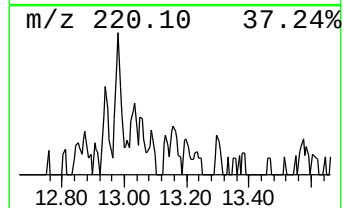
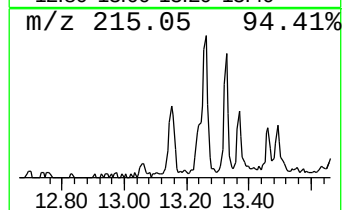
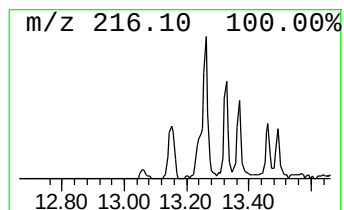
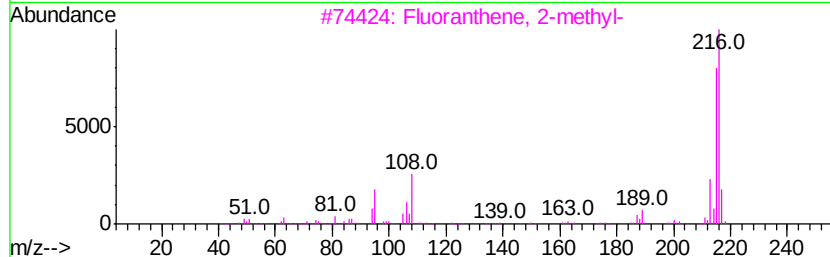
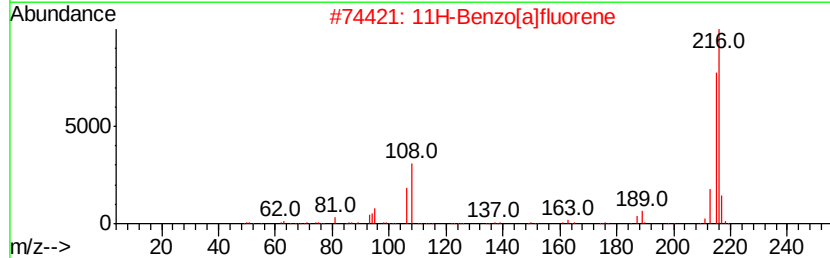
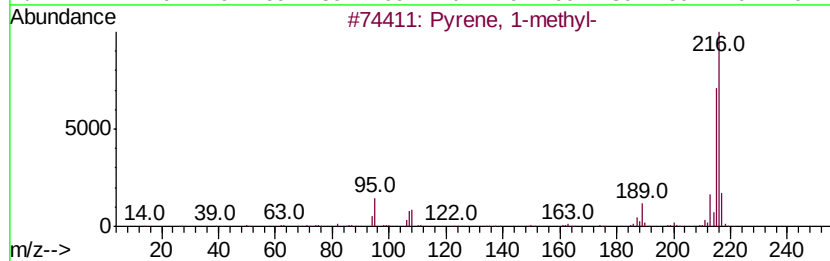
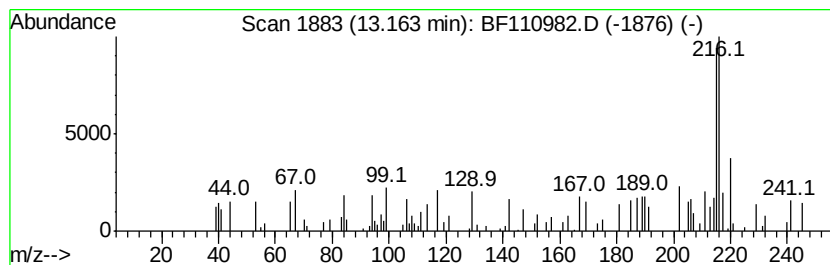
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.51 ng	56629	Chrysene-d12	14.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
4			Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58
5			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58



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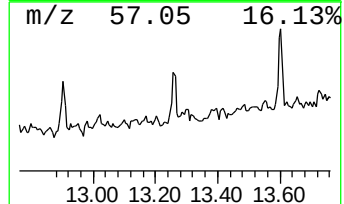
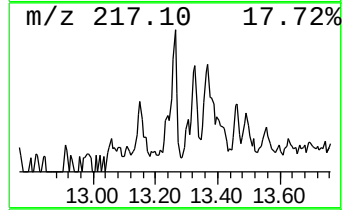
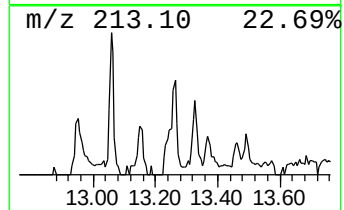
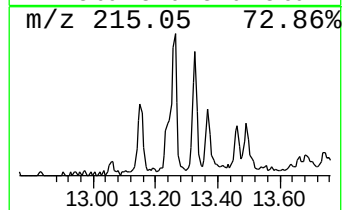
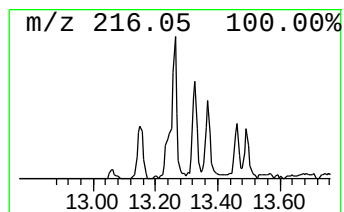
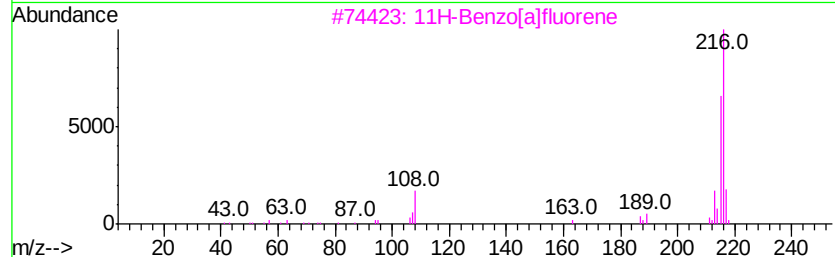
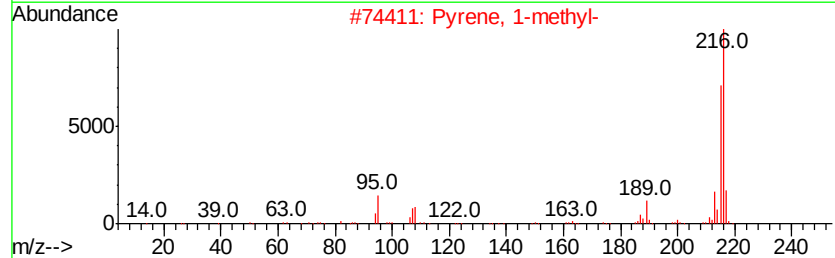
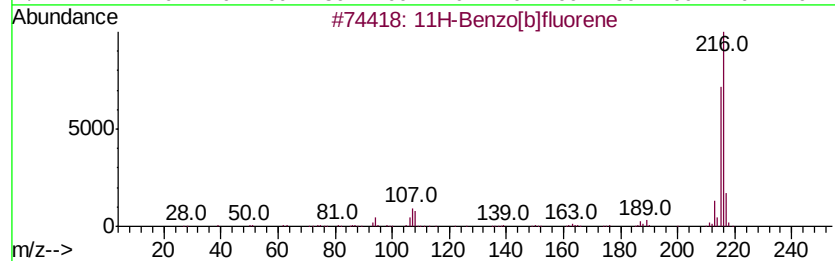
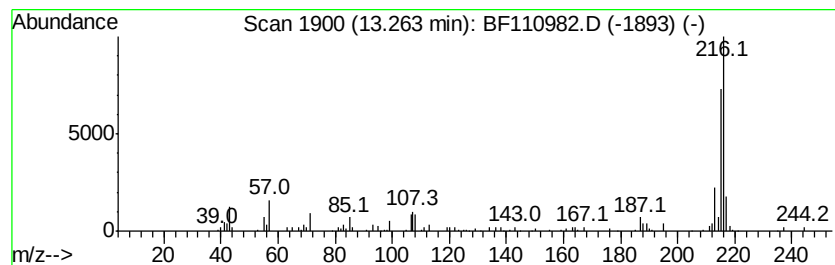
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.26	4.05 ng	91472	Chrysene-d12	14.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[blfluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[alfluorene	216	C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110982.D
Acq On : 26 Nov 2018 23:46
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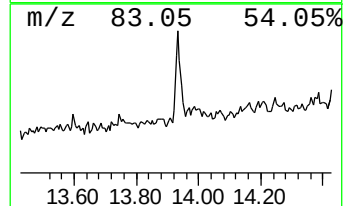
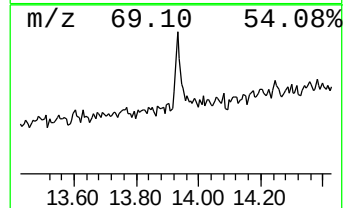
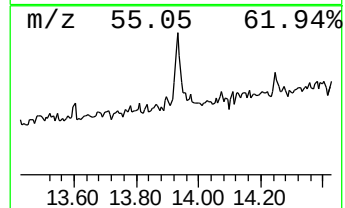
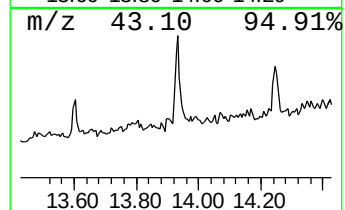
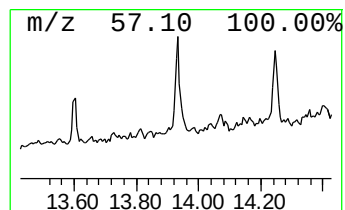
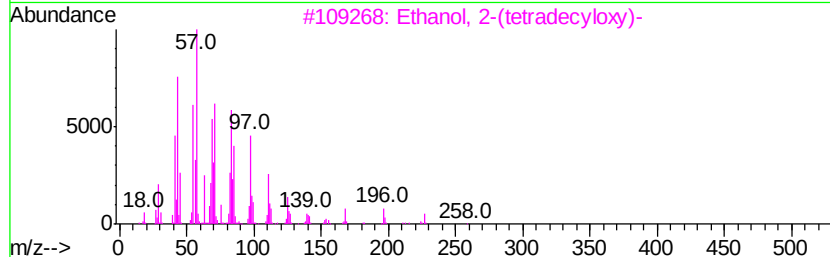
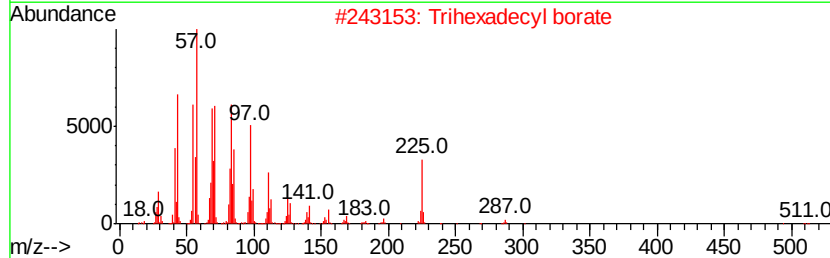
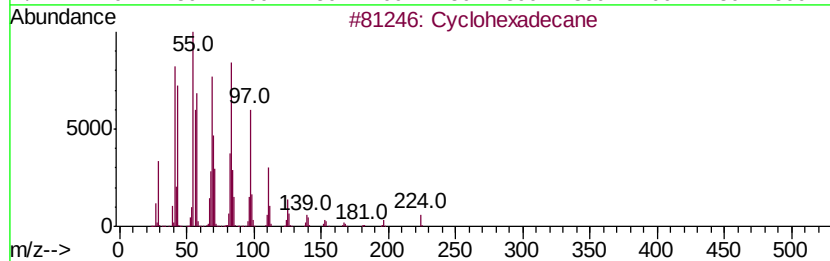
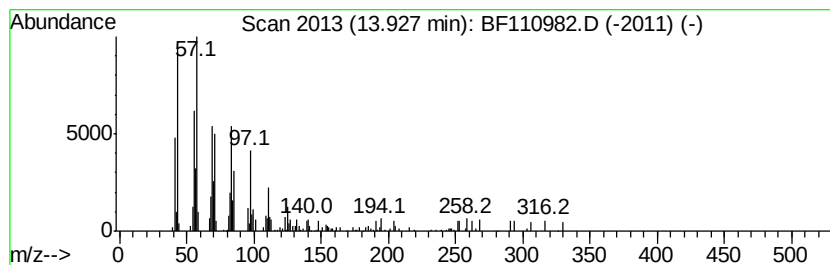
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	4.60 ng	104009	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexadecane	224	C16H32	000295-65-8	91
2		Trihexadecyl borate	735	C48H99B03	002665-11-4	70
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	70
4		17-Pentatriacontene	491	C35H70	006971-40-0	62
5		Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	62



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Acq On : 26 Nov 2018 23:46
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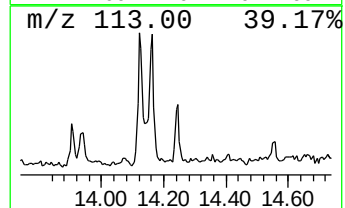
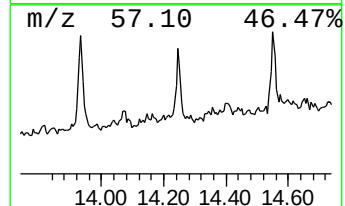
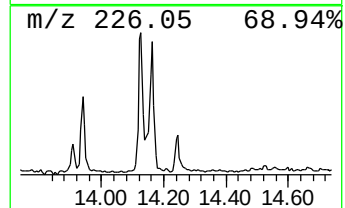
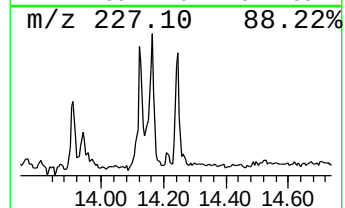
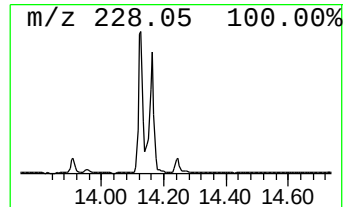
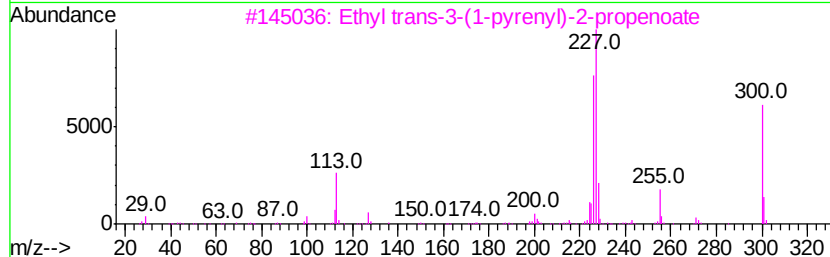
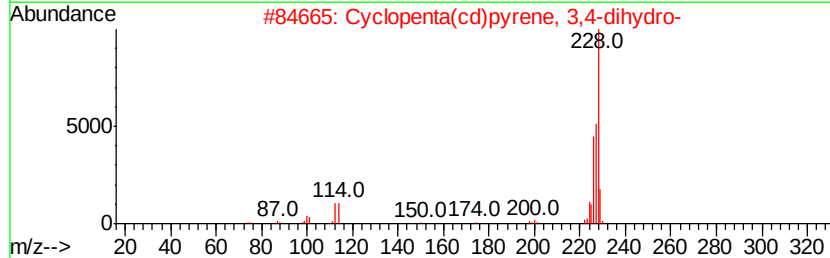
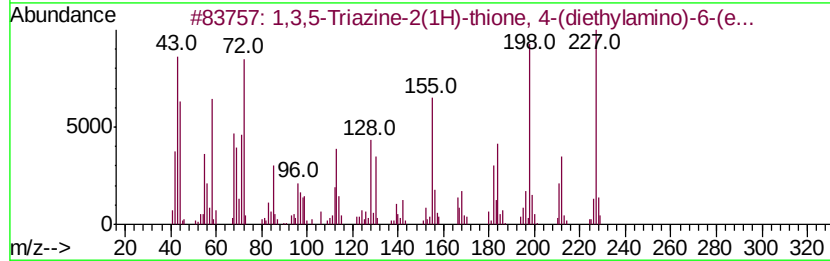
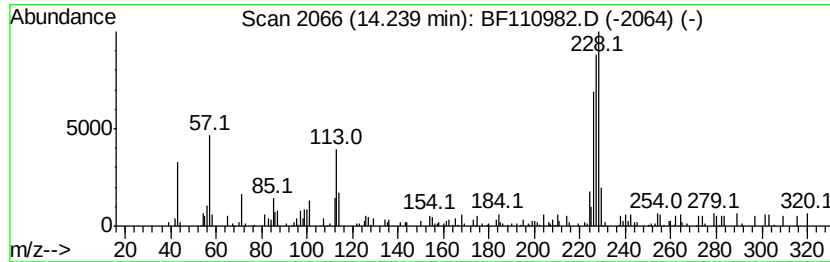
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,3,5-Triazine-2(1H)-thione... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	2.67 ng	60321	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	91
2		Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	45
3		Ethyl trans-3-(1-pyrenyl)-2-prop...	300	C21H16O2	1000326-14-5	43
4		Benzo[cl]phenanthrene	228	C18H12	000195-19-7	35
5		Chrysene	228	C18H12	000218-01-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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Acq On : 26 Nov 2018 23:46
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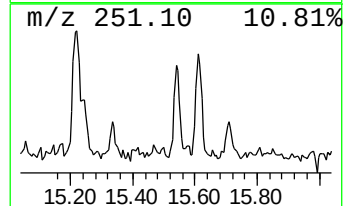
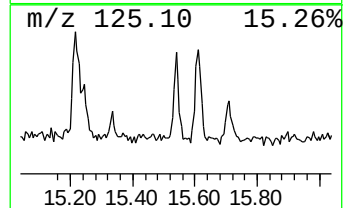
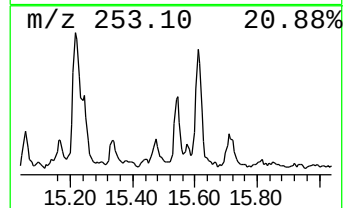
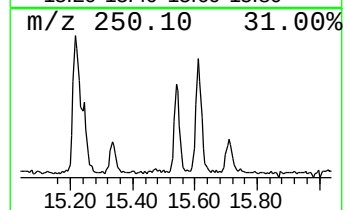
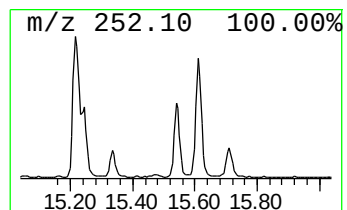
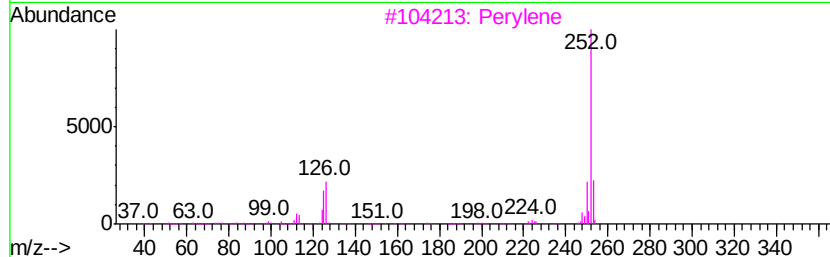
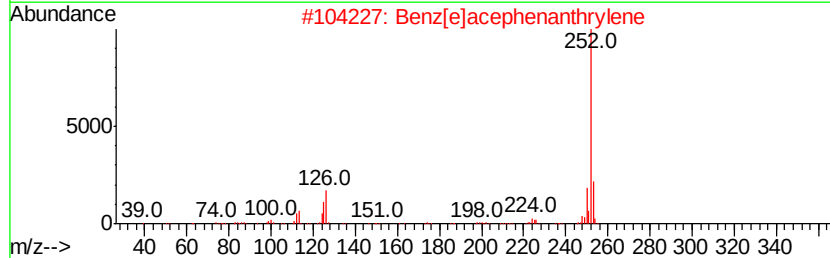
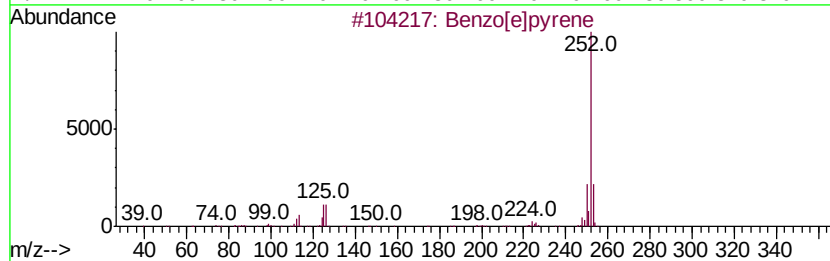
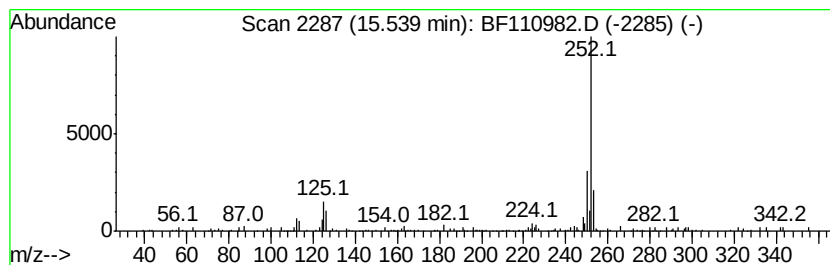
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	6.00 ng	55144	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Perylene	252	C20H12	000198-55-0	89
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	89
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110982.D
 Acq On : 26 Nov 2018 23:46
 Operator : JU/SJ
 Sample : J6028-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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
Butane, 2-methoxy...	2.24	6.8	ng	111779	1	6.94	326989	20.0
2-Pentanone, 4-hy...	5.18	3.7	ng	60190	1	6.94	326989	20.0
unknown6.71	6.71	76.0	ng	1243400	1	6.94	326989	20.0
Anthracene, 2-met...	11.98	3.7	ng	67088	4	11.48	364788	20.0
Anthracene, 1-met...	12.01	2.6	ng	47988	4	11.48	364788	20.0
4H-Cyclopenta[def...	12.10	3.6	ng	65096	4	11.48	364788	20.0
Phenanthrene, 2,5...	12.53	2.5	ng	45057	4	11.48	364788	20.0
Pyrene, 1-methyl-	13.16	2.5	ng	56629	5	14.13	451789	20.0
11H-Benzo[b]fluorene	13.26	4.0	ng	91472	5	14.13	451789	20.0
Cyclohexadecane	13.93	4.6	ng	104009	5	14.13	451789	20.0
1,3,5-Triazine-2(...	14.24	2.7	ng	60321	5	14.13	451789	20.0
Benzo[e]pyrene	15.54	6.0	ng	55144	6	15.67	183855	20.0