

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110737.D
 Acq On : 13 Nov 2018 23:33
 Operator : JU/SJ
 Sample : J5908-27 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-6-S

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-BF110818.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	5.557	587	590	610	rBV	778522	870369	17.16%	1.660%
2	6.569	758	762	783	rBV	845504	968618	19.10%	1.848%
3	6.710	783	786	794	rBV	1060721	933715	18.41%	1.781%
4	6.945	822	826	832	rBV	515655	452871	8.93%	0.864%
5	7.098	848	852	862	rBV	722224	649270	12.80%	1.239%
6	7.510	918	922	935	rBV	475657	545107	10.75%	1.040%
7	8.228	1040	1044	1055	rBV	572952	584830	11.53%	1.116%
8	9.298	1222	1226	1234	rBV	971344	836766	16.50%	1.596%
9	9.639	1280	1284	1287	rVV	149372	154432	3.04%	0.295%
10	9.669	1287	1289	1291	rVV	101202	111115	2.19%	0.212%
11	9.757	1299	1304	1313	rVB	86459	121158	2.39%	0.231%
12	9.845	1316	1319	1324	rVV	260298	243907	4.81%	0.465%
13	9.892	1324	1327	1332	rVB	141731	114435	2.26%	0.218%
14	9.986	1340	1343	1346	rBV	587971	501685	9.89%	0.957%
15	10.016	1346	1348	1352	rVB	341853	276042	5.44%	0.527%
16	10.186	1373	1377	1380	rBV2	90613	118085	2.33%	0.225%
17	10.222	1380	1383	1386	rVB2	108586	105099	2.07%	0.201%
18	10.298	1392	1396	1399	rBV	110529	119683	2.36%	0.228%
19	10.392	1407	1412	1418	rBV2	222796	232023	4.57%	0.443%
20	10.533	1433	1436	1442	rVB	197712	221071	4.36%	0.422%
21	10.604	1446	1448	1452	rVB2	82542	121469	2.40%	0.232%
22	10.780	1473	1478	1484	rBV	474841	533386	10.52%	1.018%
23	10.869	1490	1493	1499	rBV3	190460	282347	5.57%	0.539%
24	11.086	1523	1530	1532	rBV	109693	158214	3.12%	0.302%
25	11.210	1546	1551	1553	rVV4	72374	108292	2.14%	0.207%
26	11.233	1553	1555	1560	rVV2	73516	104192	2.05%	0.199%
27	11.286	1560	1564	1567	rVV	156462	172677	3.40%	0.329%
28	11.316	1567	1569	1572	rVV2	201687	194670	3.84%	0.371%
29	11.374	1576	1579	1586	rVB	135360	138879	2.74%	0.265%
30	11.480	1594	1597	1599	rBV	543938	508209	10.02%	0.970%
31	11.504	1599	1601	1605	rVV	1648009	1461392	28.81%	2.788%
32	11.557	1606	1610	1614	rVV	690713	609869	12.02%	1.163%
33	11.716	1632	1637	1639	rBV3	82888	125369	2.47%	0.239%
34	11.745	1639	1642	1644	rVV	129122	131022	2.58%	0.250%

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35	11.816	1650	1654	1658	rVB2	110262	127321	2.51%	0.243%
36	11.980	1679	1682	1685	rVV	472179	406228	8.01%	0.775%
37	12.010	1685	1687	1690	rVB	574373	456238	9.00%	0.870%
38	12.057	1690	1695	1698	rBV	300784	268232	5.29%	0.512%
39	12.098	1698	1702	1704	rVV2	748735	861902	16.99%	1.644%
40	12.116	1704	1705	1709	rVV	343716	238948	4.71%	0.456%
41	12.274	1728	1732	1736	rVV	373007	347642	6.85%	0.663%
42	12.316	1736	1739	1742	rVB2	215390	207060	4.08%	0.395%
43	12.427	1752	1758	1761	rBV3	120284	174963	3.45%	0.334%
44	12.457	1761	1763	1765	rVV	134773	98471	1.94%	0.188%
45	12.533	1772	1776	1779	rBV2	389402	449682	8.87%	0.858%
46	12.574	1779	1783	1784	rVV2	196477	246131	4.85%	0.470%
47	12.633	1788	1793	1796	rBV2	379772	435301	8.58%	0.830%
48	12.716	1801	1807	1809	rBV	3597666	4342624	85.62%	8.285%
49	12.763	1813	1815	1818	rVB2	143369	126671	2.50%	0.242%
50	12.798	1818	1821	1824	rBV	121048	111547	2.20%	0.213%
51	12.851	1826	1830	1833	rVV3	174365	204016	4.02%	0.389%
52	12.945	1838	1846	1849	rBV2	3685518	5071687	100.00%	9.675%
53	12.980	1849	1852	1856	rVB2	266573	271533	5.35%	0.518%
54	13.063	1859	1866	1868	rBV2	772945	925666	18.25%	1.766%
55	13.092	1868	1871	1876	rVB2	113788	146861	2.90%	0.280%
56	13.151	1876	1881	1884	rBV2	393982	683147	13.47%	1.303%
57	13.257	1897	1899	1903	rVB	546065	537008	10.59%	1.024%
58	13.321	1908	1910	1913	rVV	244100	227345	4.48%	0.434%
59	13.363	1913	1917	1920	rVV2	501797	651783	12.85%	1.243%
60	13.386	1920	1921	1924	rVB2	173148	114828	2.26%	0.219%
61	13.415	1924	1926	1929	rVB2	128200	114038	2.25%	0.218%
62	13.457	1930	1933	1936	rBV	343029	297281	5.86%	0.567%
63	13.486	1936	1938	1941	rVB	289070	268408	5.29%	0.512%
64	13.774	1984	1987	1990	rBV	568348	483610	9.54%	0.923%
65	13.880	2000	2005	2008	rBV	495953	584293	11.52%	1.115%
66	13.904	2008	2009	2012	rVB	390942	310640	6.12%	0.593%
67	13.939	2012	2015	2020	rBV3	427458	515644	10.17%	0.984%
68	13.986	2020	2023	2029	rVB	520587	531436	10.48%	1.014%
69	14.051	2029	2034	2040	rBV	141992	292784	5.77%	0.559%
70	14.133	2040	2048	2051	rBV2	2435802	3488933	68.79%	6.656%
71	14.168	2051	2054	2057	rVB	2158209	1869590	36.86%	3.567%

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72	14.245	2064	2067	2071	rBV	446203	439735	8.67%	0.839%
73	14.286	2071	2074	2079	rVV3	256280	356851	7.04%	0.681%
74	14.327	2079	2081	2083	rVV	110613	104638	2.06%	0.200%
75	14.362	2083	2087	2090	rVV2	211673	301423	5.94%	0.575%
76	14.392	2090	2092	2095	rVV2	100740	115281	2.27%	0.220%
77	14.480	2105	2107	2109	rVV	206525	186929	3.69%	0.357%
78	14.521	2109	2114	2117	rVV	536598	639940	12.62%	1.221%
79	14.557	2117	2120	2124	rVV2	300139	367010	7.24%	0.700%
80	14.598	2124	2127	2129	rVV3	172921	227324	4.48%	0.434%
81	14.621	2129	2131	2133	rVV2	157614	159980	3.15%	0.305%
82	14.651	2133	2136	2137	rVV	280642	265043	5.23%	0.506%
83	14.668	2137	2139	2143	rVV3	201626	230002	4.54%	0.439%
84	14.733	2143	2150	2154	rVB3	451925	625708	12.34%	1.194%
85	14.857	2167	2171	2173	rBV2	136255	186734	3.68%	0.356%
86	14.951	2184	2187	2192	rVB3	95982	139636	2.75%	0.266%
87	15.039	2199	2202	2205	rBV2	206277	214084	4.22%	0.408%
88	15.221	2226	2233	2235	rBV	1372183	2278145	44.92%	4.346%
89	15.327	2247	2251	2255	rVB	287336	321282	6.33%	0.613%
90	15.415	2262	2266	2267	rBV4	86669	99917	1.97%	0.191%
91	15.539	2282	2287	2293	rVB	730200	981663	19.36%	1.873%
92	15.609	2293	2299	2305	rBV	1146790	1617042	31.88%	3.085%
93	15.662	2305	2308	2311	rVV	198448	271110	5.35%	0.517%
94	15.698	2311	2314	2320	rVB2	346692	482909	9.52%	0.921%
95	16.609	2464	2469	2474	rBV5	54578	122086	2.41%	0.233%
96	17.245	2569	2577	2583	rVB	477412	997646	19.67%	1.903%
97	17.421	2601	2607	2612	rBV	106210	217709	4.29%	0.415%
98	17.480	2613	2617	2624	rVB2	72008	146193	2.88%	0.279%
99	17.727	2651	2659	2671	rVB	328605	787913	15.54%	1.503%
100	17.980	2697	2702	2713	rVB3	88935	234191	4.62%	0.447%

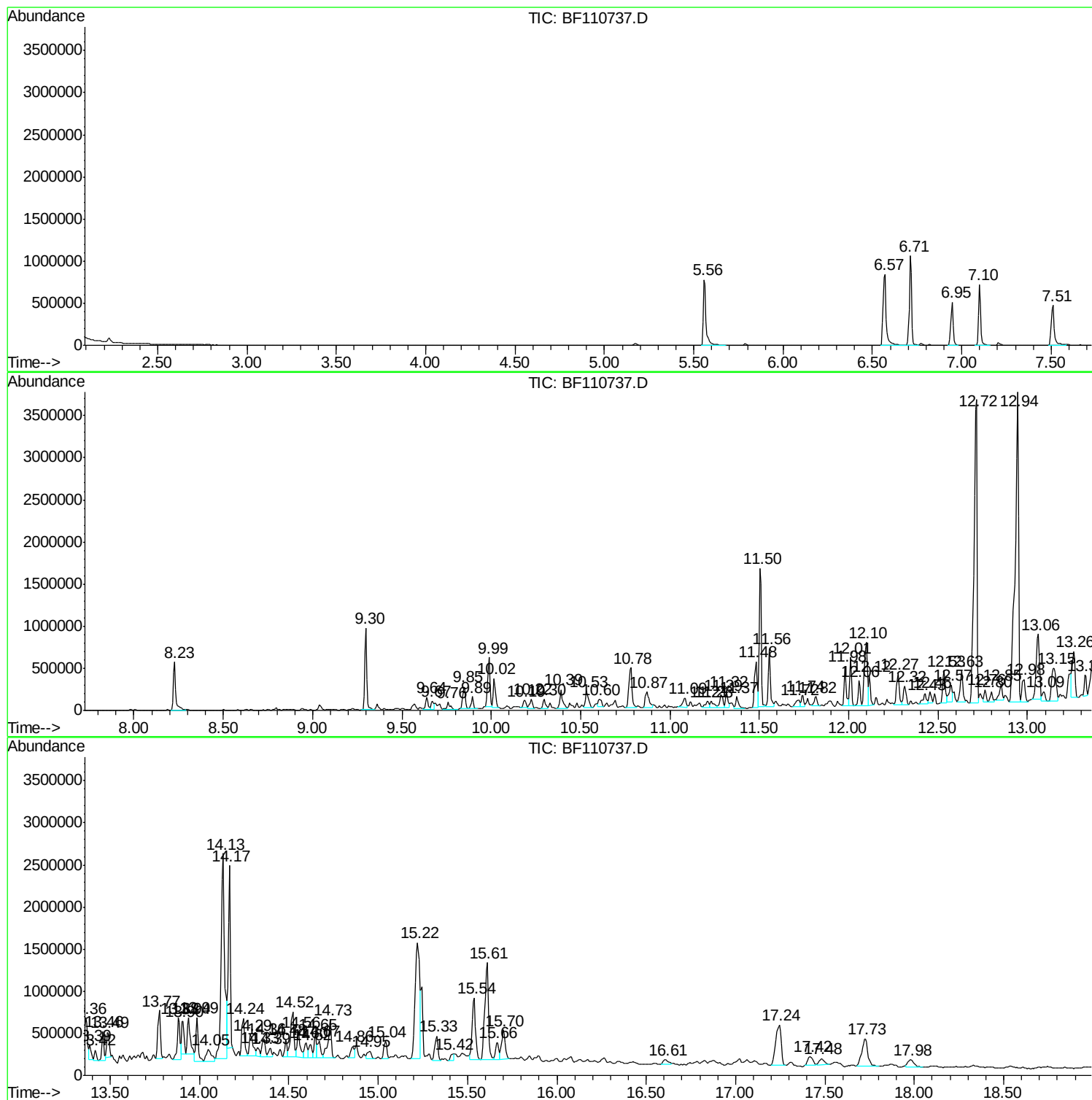
Sum of corrected areas: 52417884

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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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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Instrument :
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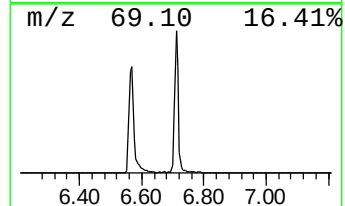
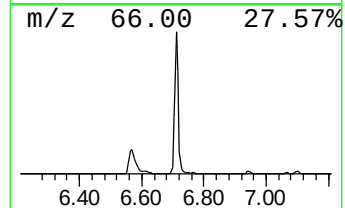
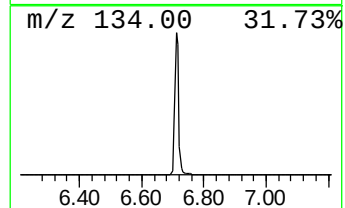
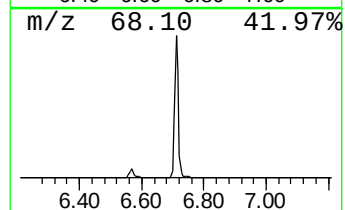
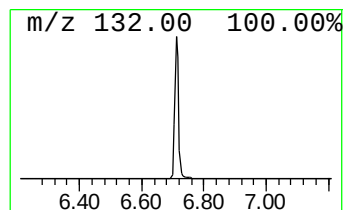
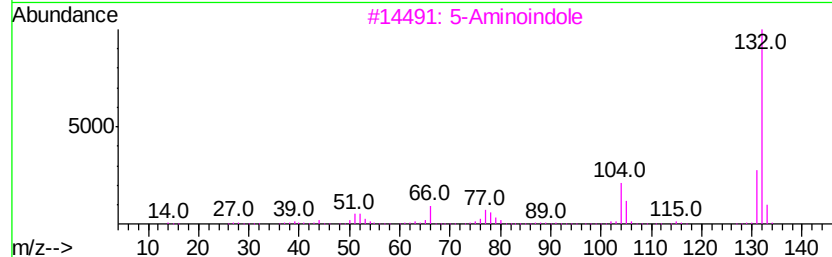
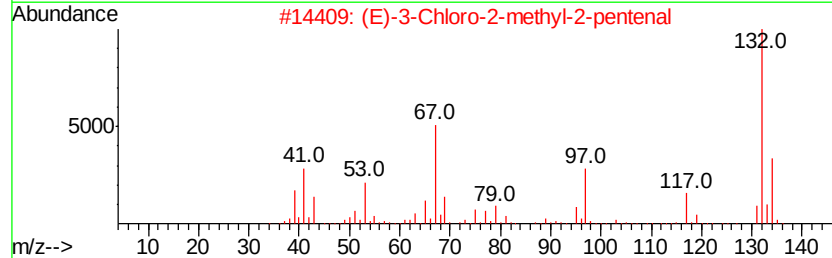
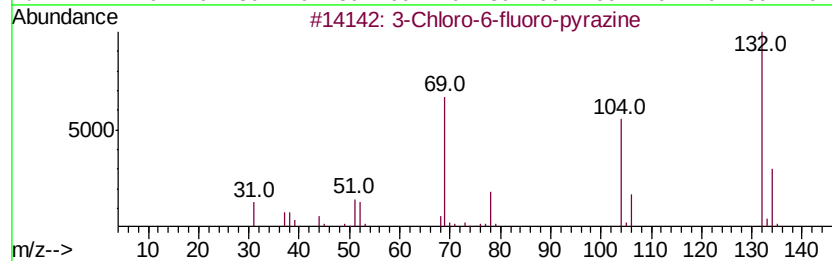
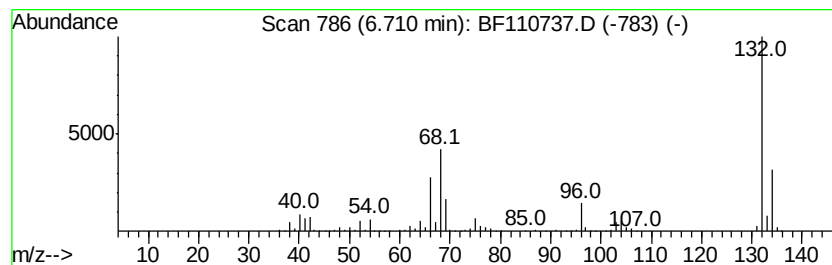
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.71 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	41.24 ng	933715	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
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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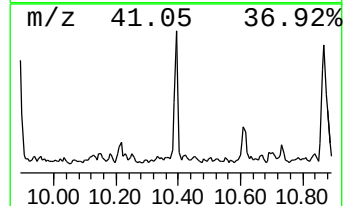
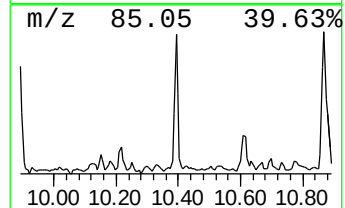
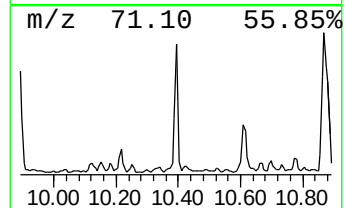
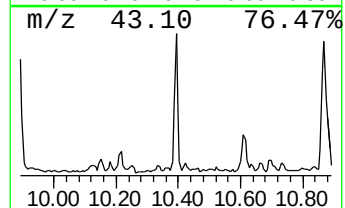
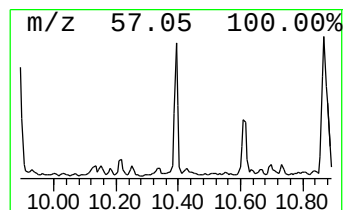
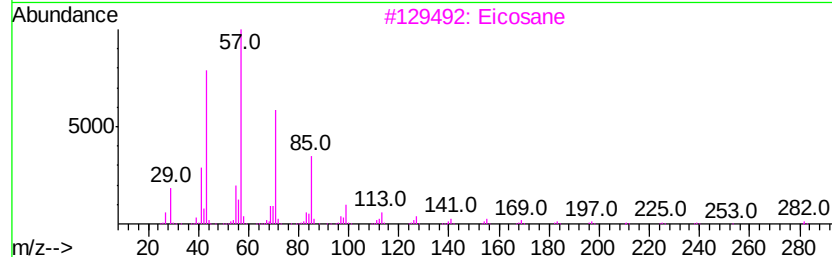
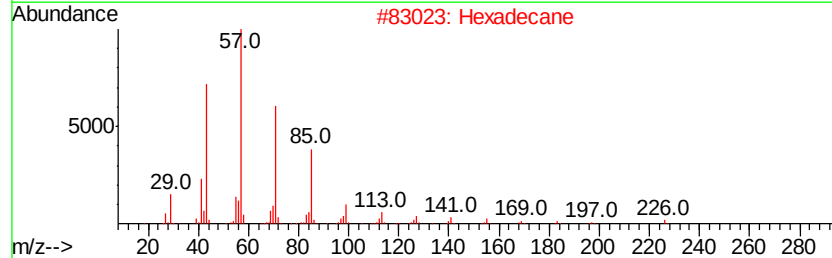
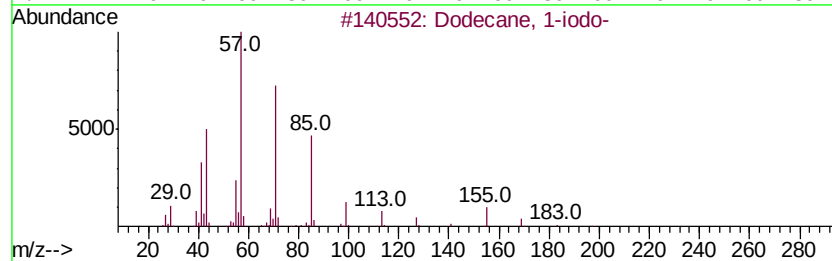
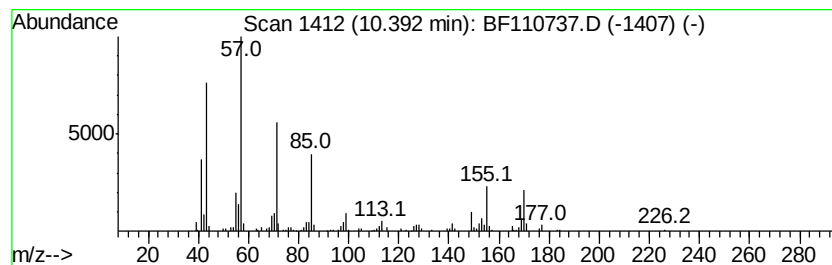
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane, 1-iodo- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.39	9.25 ng	232023	Acenaphthene-d10		9.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	58
2	Hexadecane		226	C16H34	000544-76-3	52
3	Eicosane		282	C20H42	000112-95-8	52
4	Pentadecane		212	C15H32	000629-62-9	52
5	Undecane, 6-ethyl-		184	C13H28	017312-60-6	50



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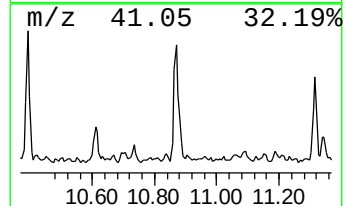
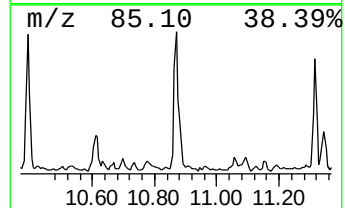
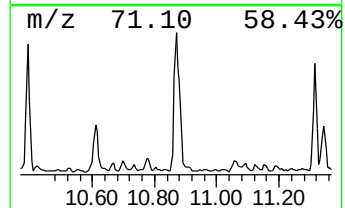
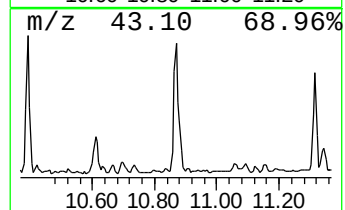
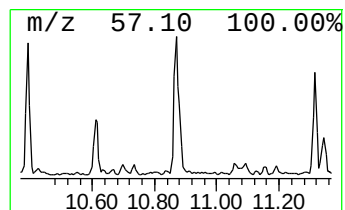
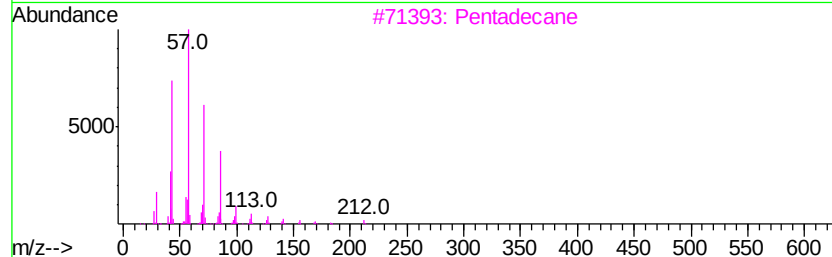
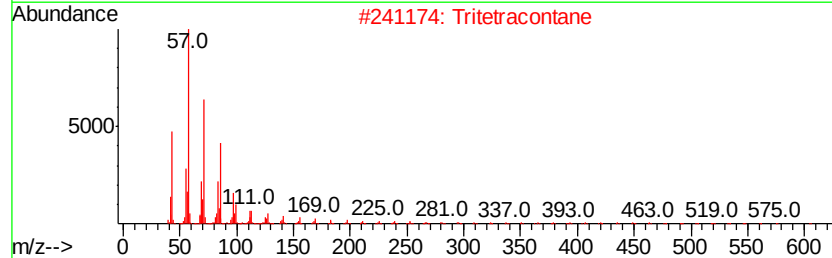
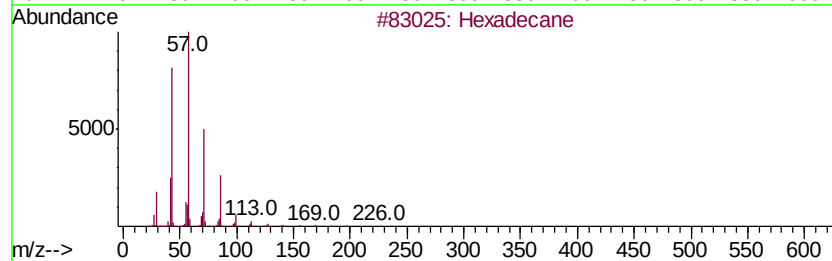
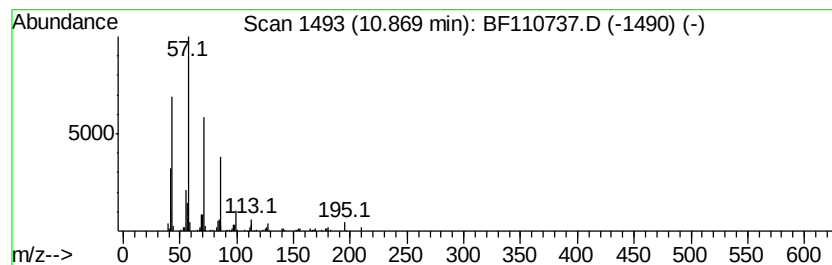
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Peak Number 4 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	11.11 ng	282347	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	90
2	Tritetracontane		605	C43H88	007098-21-7	86
3	Pentadecane		212	C15H32	000629-62-9	86
4	Heneicosane		296	C21H44	000629-94-7	86
5	Tetracosane		338	C24H50	000646-31-1	86



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Operator : JU/SJ
Sample : J5908-27 2X
Misc :
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Instrument :
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ClientSampleId :
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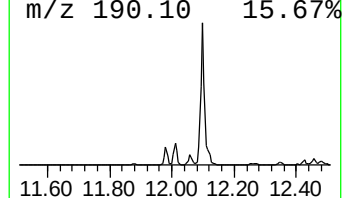
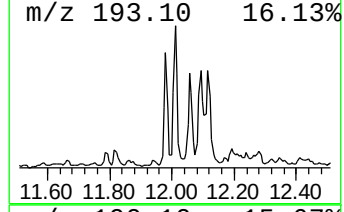
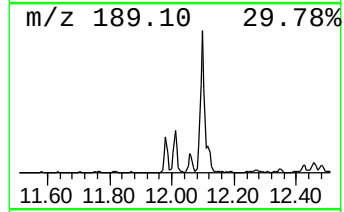
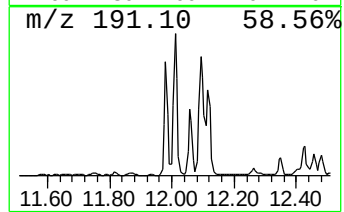
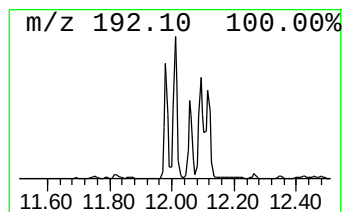
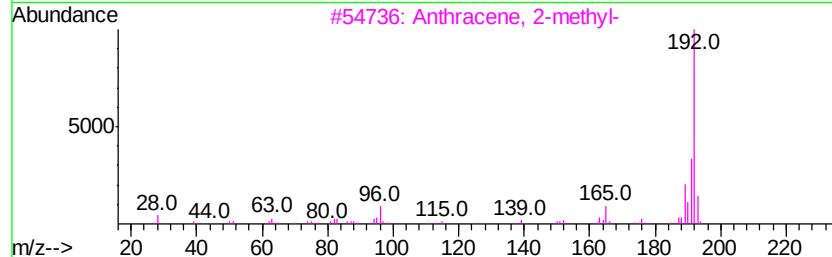
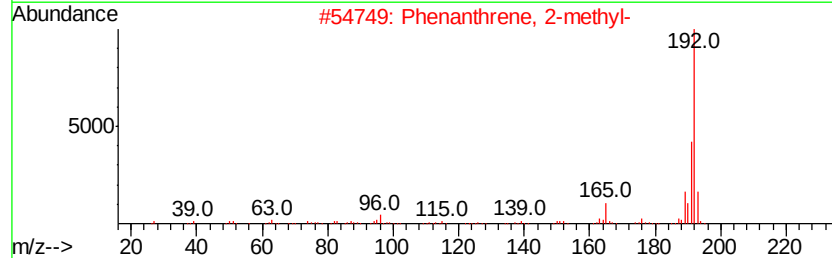
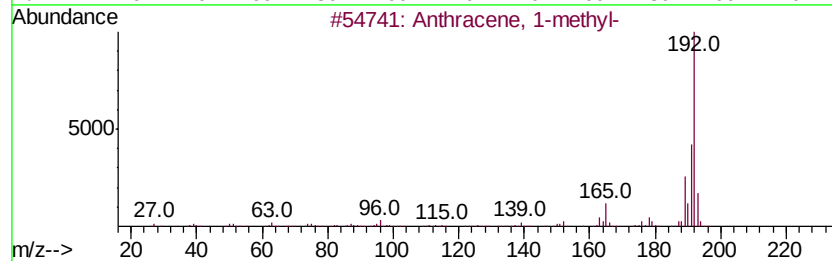
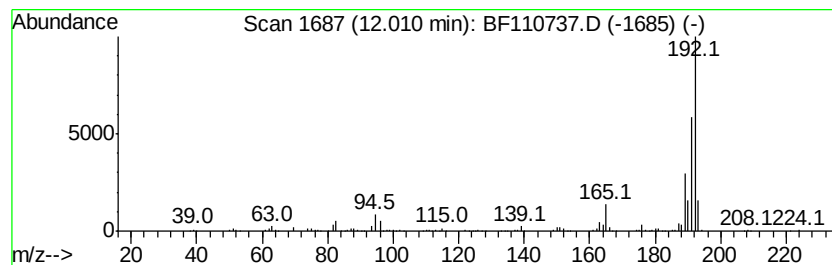
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	17.95 ng	456238	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
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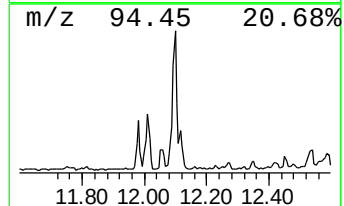
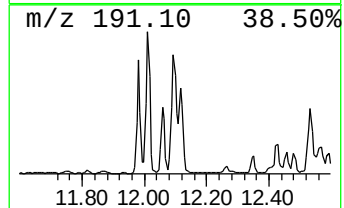
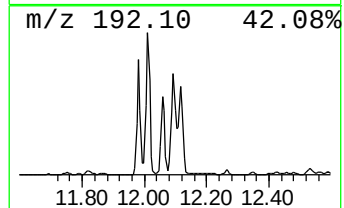
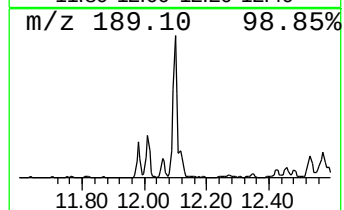
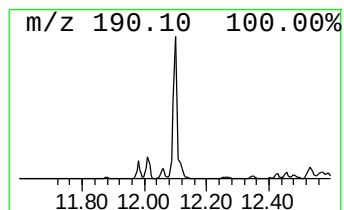
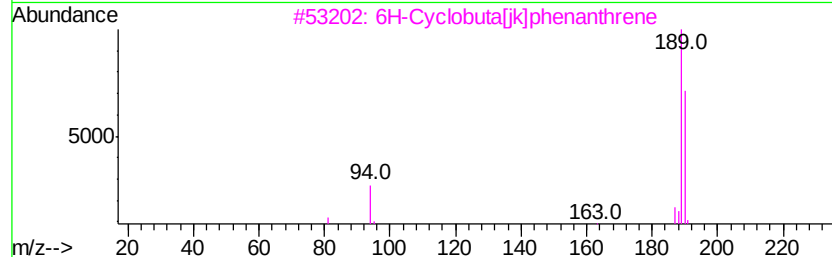
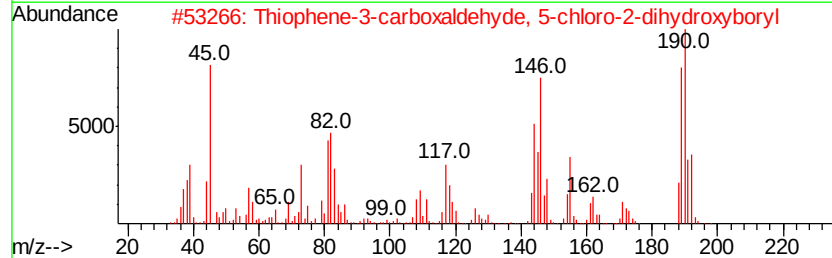
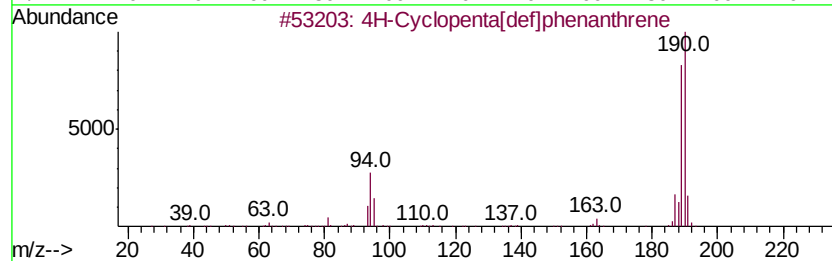
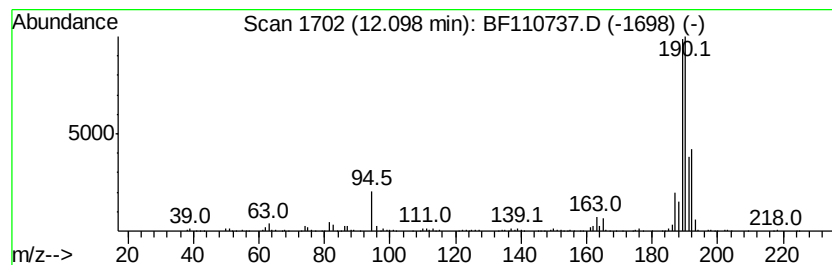
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	33.92 ng	861902	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5		1-Aminocyclopentanecarboxylic ac...	375	C19H34ClN04	1000329-17-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
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Sample : J5908-27 2X
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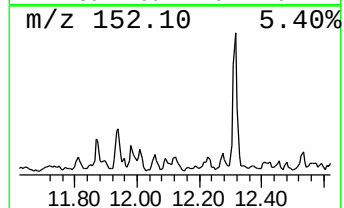
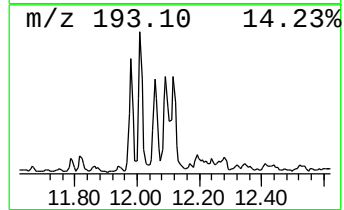
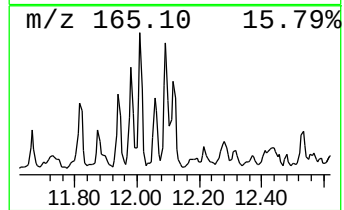
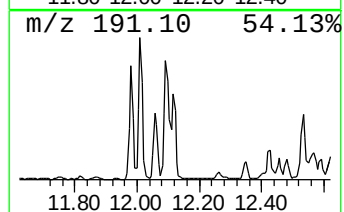
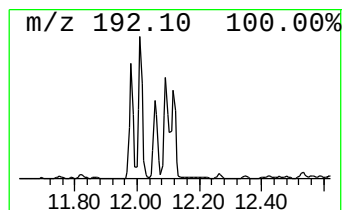
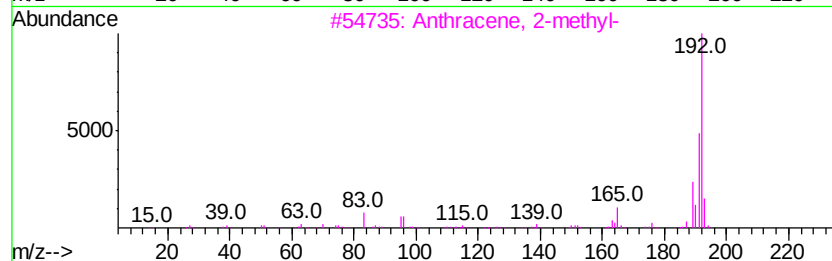
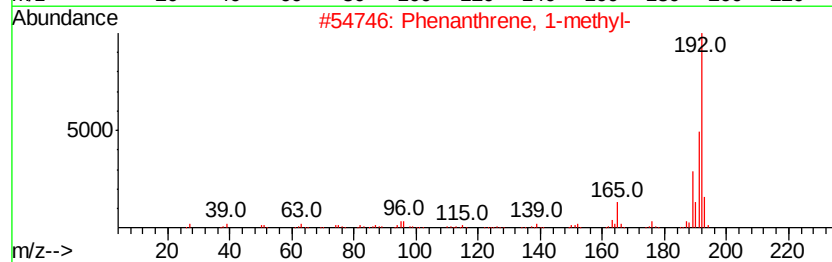
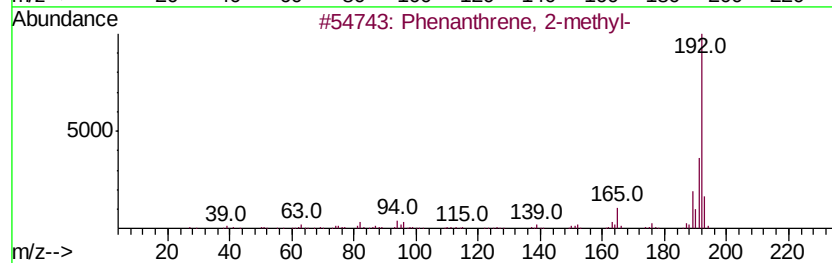
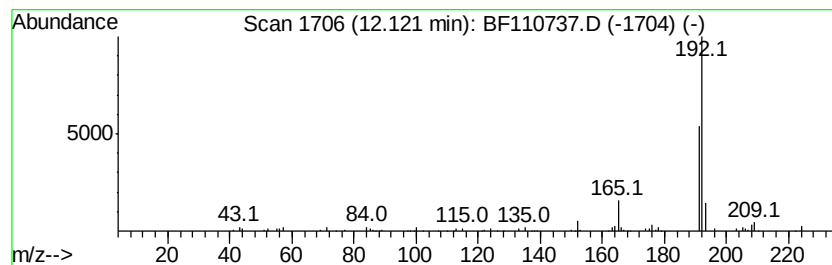
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.12	9.40 ng	238948	Phenanthrene-d10	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110737.D
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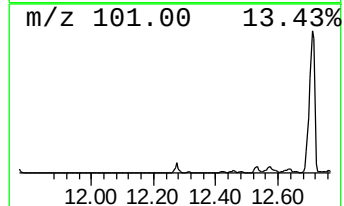
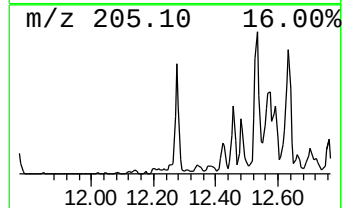
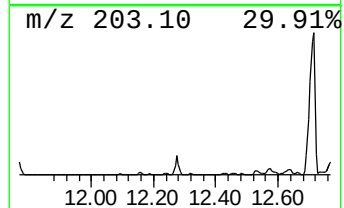
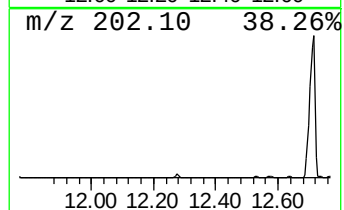
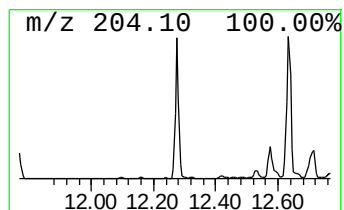
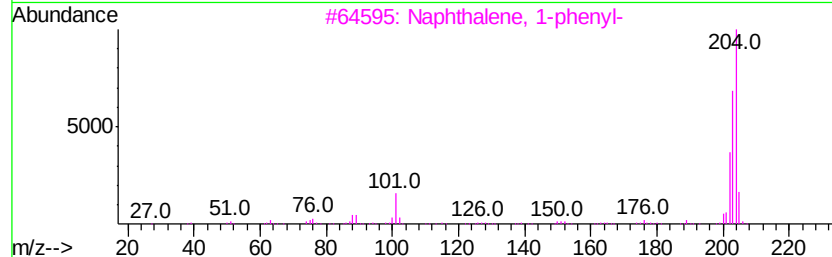
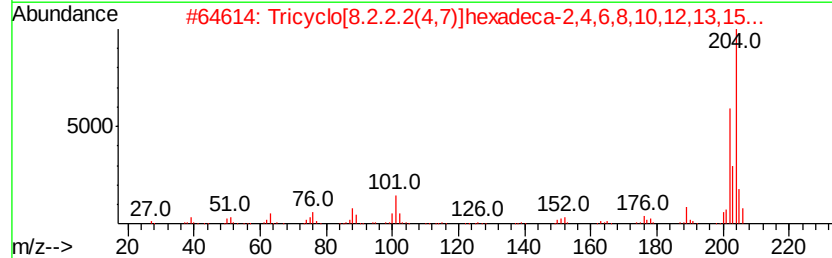
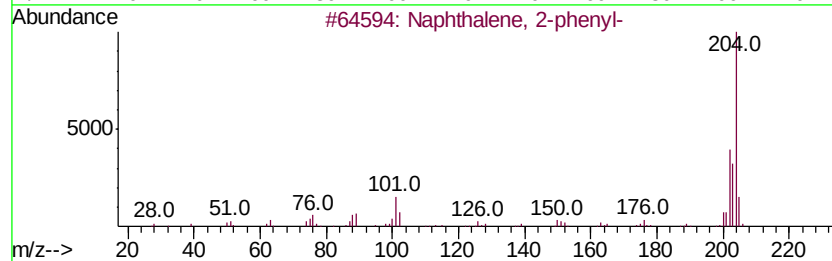
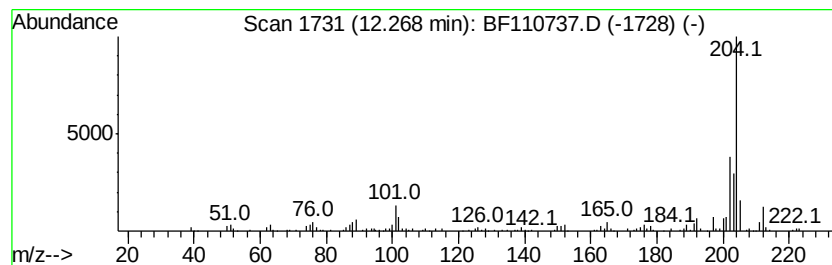
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 3,4-Biphenyldicarbonitrile Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	13.68 ng	347642	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



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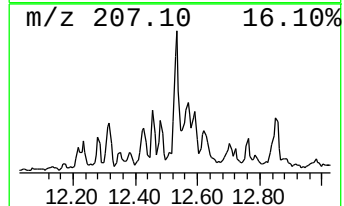
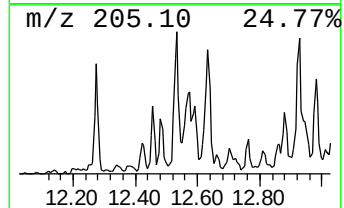
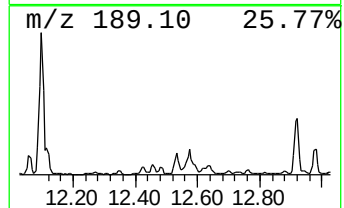
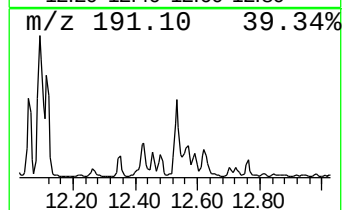
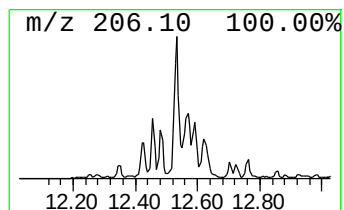
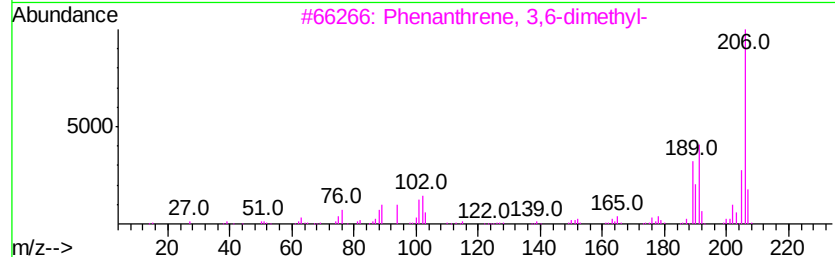
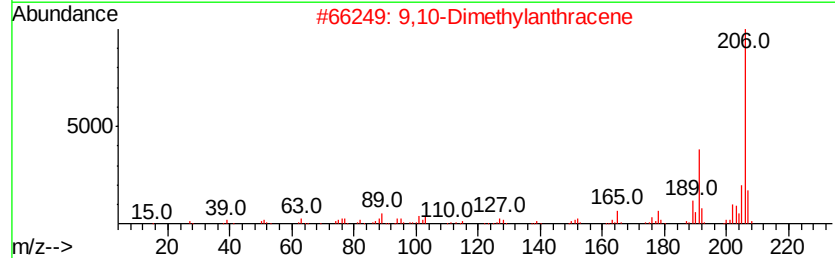
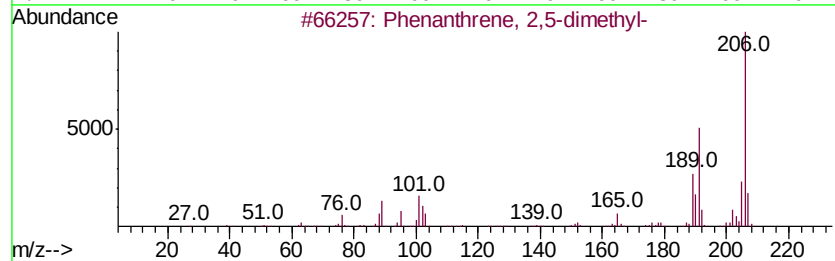
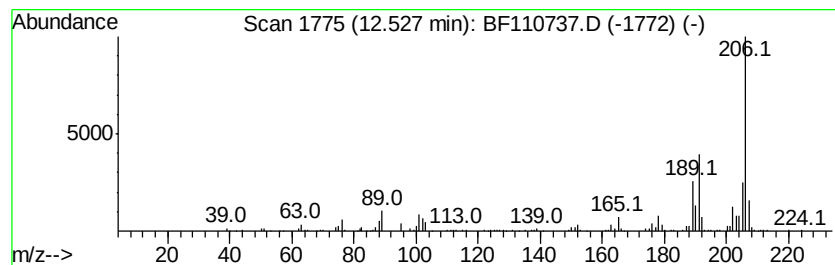
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	17.70 ng	449682	Phenanthrene-d10	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Phenanthrene, 2,5-dimethyl-	206 C16H14	003674-66-6 96
2		9,10-Dimethylantracene	206 C16H14	000781-43-1 96
3		Phenanthrene, 3,6-dimethyl-	206 C16H14	001576-67-6 91
4		di-p-Tolylacetylene	206 C16H14	002789-88-0 91
5		Phenanthrene, 1,7-dimethyl-	206 C16H14	000483-87-4 89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
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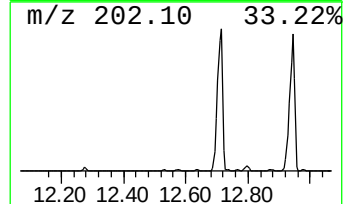
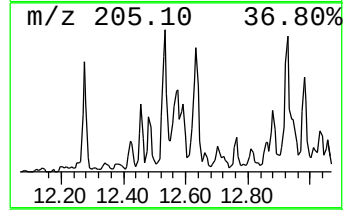
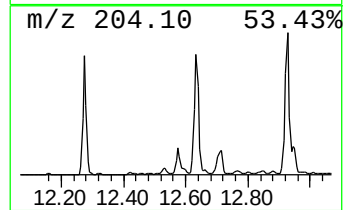
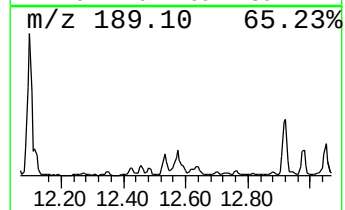
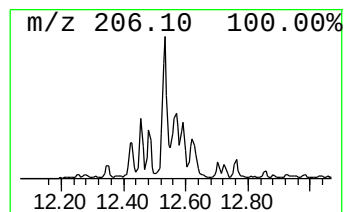
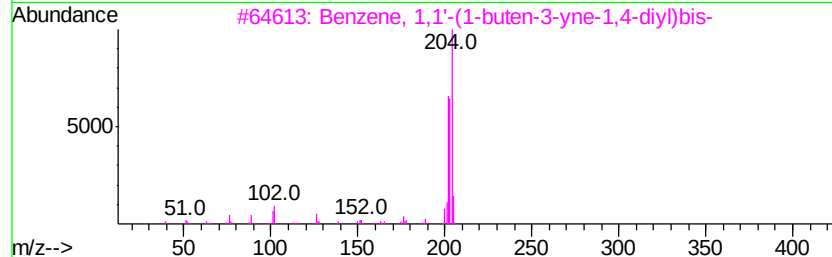
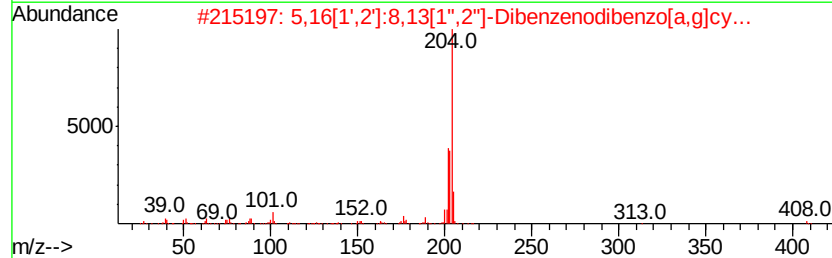
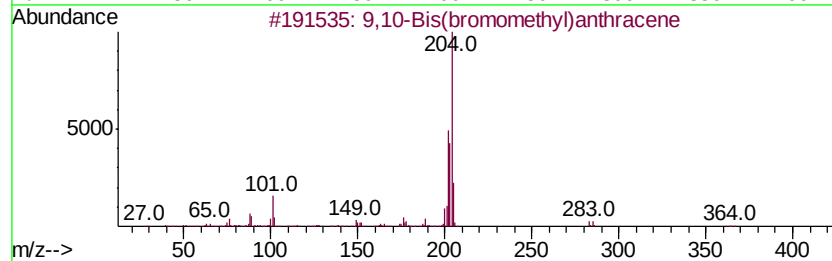
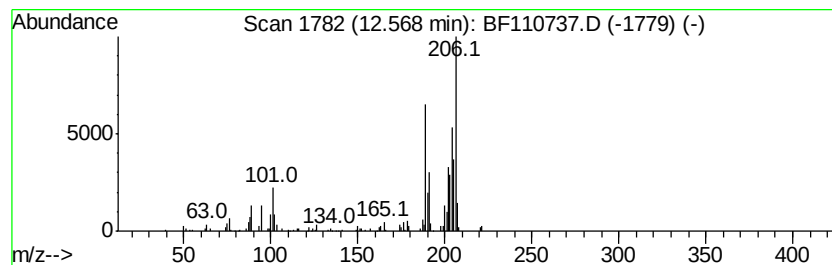
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown12.57 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	9.69 ng	246131	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43		
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43		
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	41		
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30		
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25		



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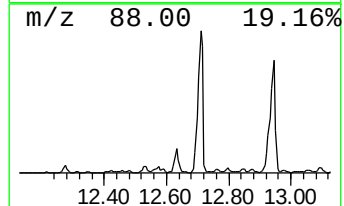
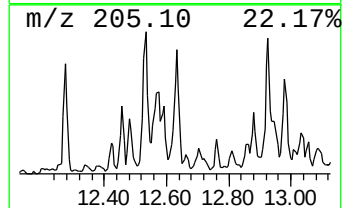
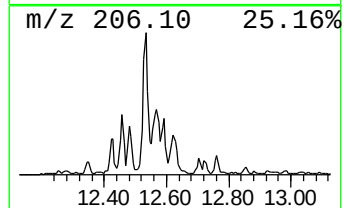
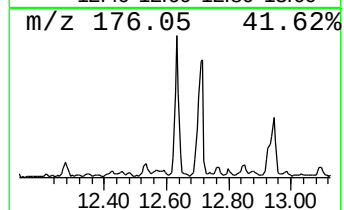
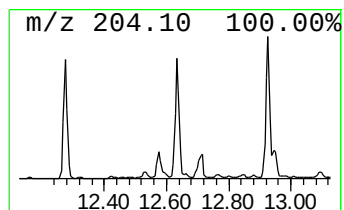
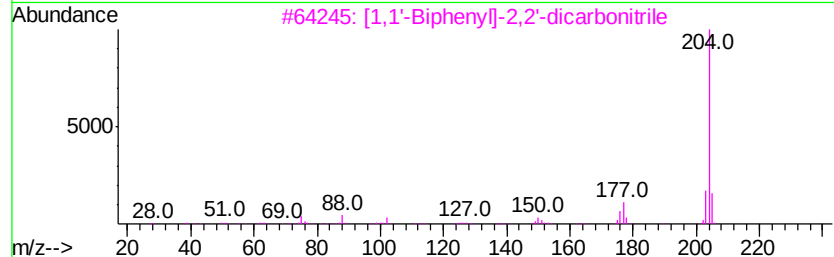
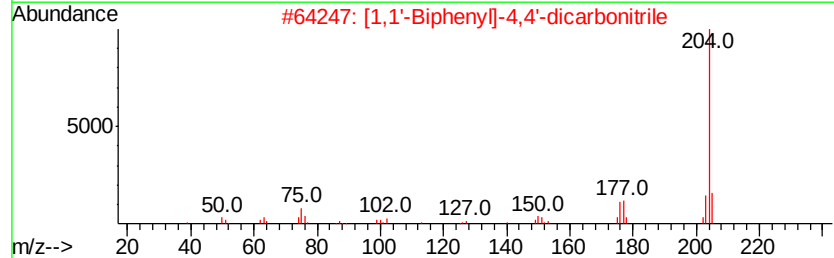
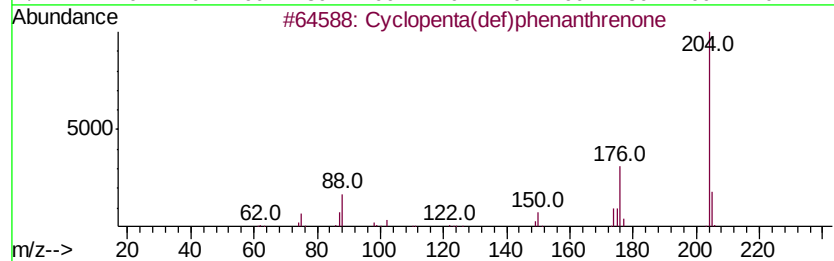
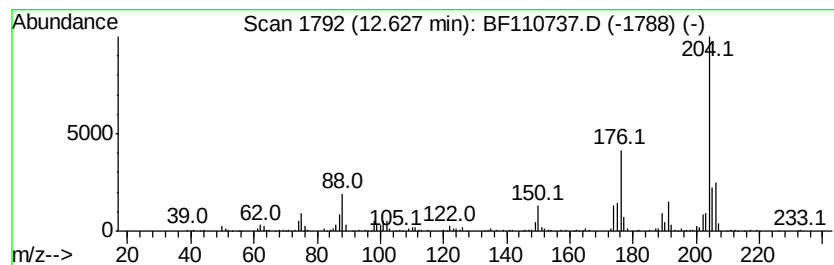
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ClientSampleId :
SR-6-S

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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 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.63	17.13 ng	435301	Phenanthrene-d10		11.48	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110737.D
Acq On : 13 Nov 2018 23:33
Operator : JU/SJ
Sample : J5908-27 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SR-6-S

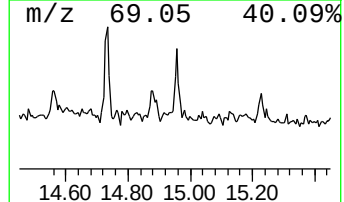
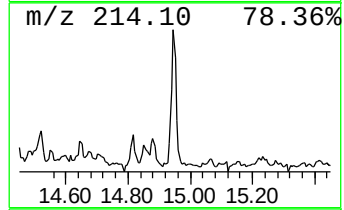
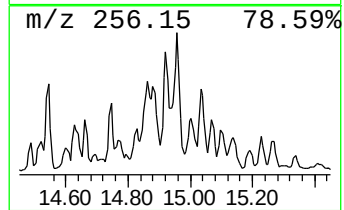
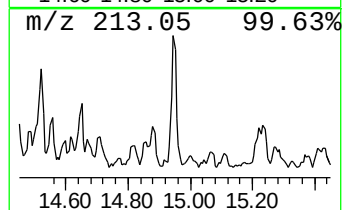
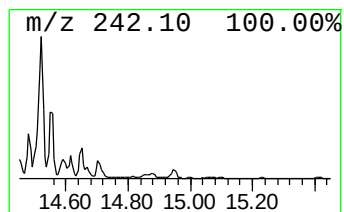
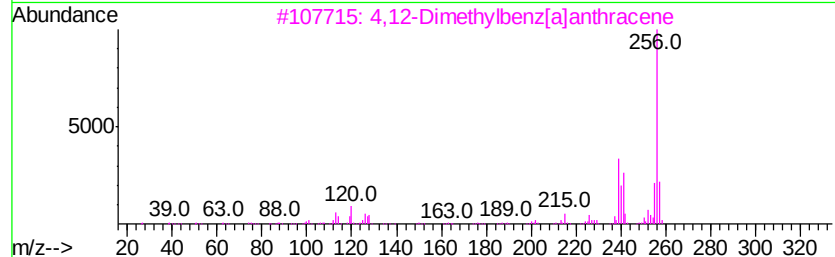
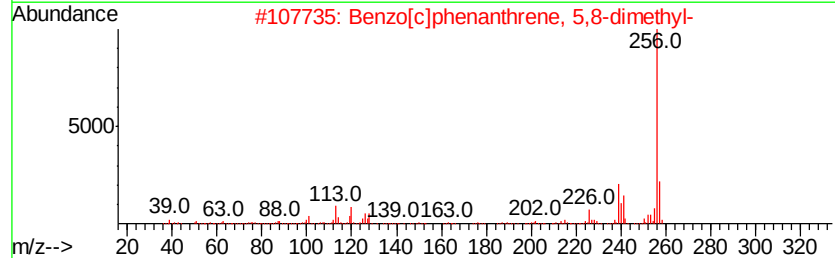
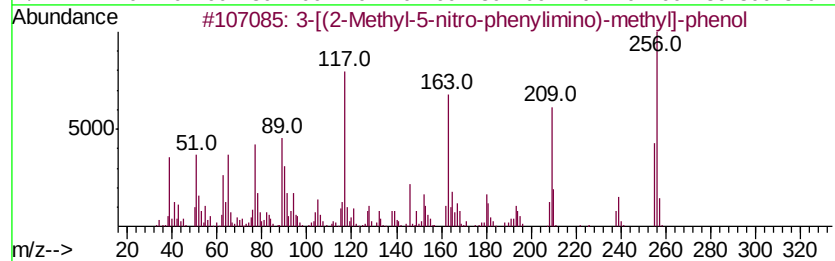
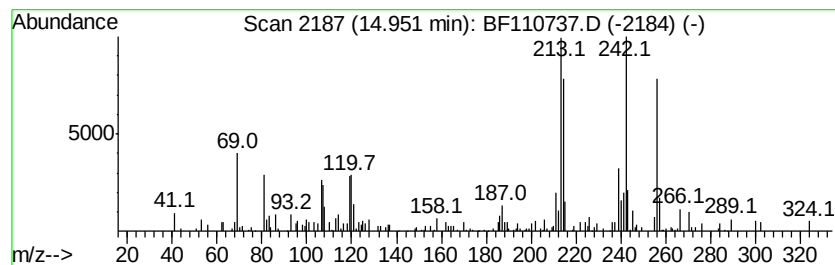
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.95 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	10.30 ng	139636	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	25
2		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	20
3		4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	20
4		Benz[a]anthracene, 5-methyl-	242	C19H14	002319-96-2	18
5		1,3-Diamino-5,6-dihydro-7-methox...	242	C13H14N4O	037436-49-0	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
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Sample : J5908-27 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

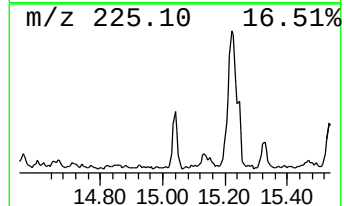
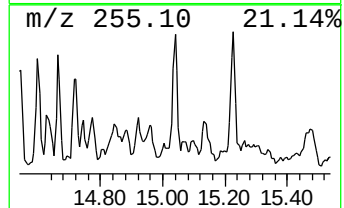
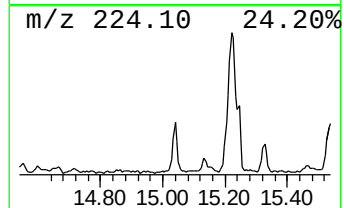
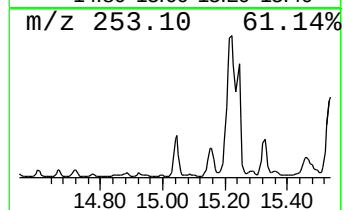
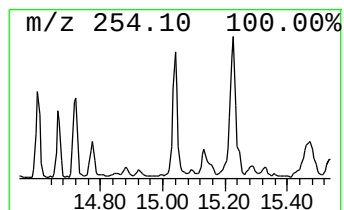
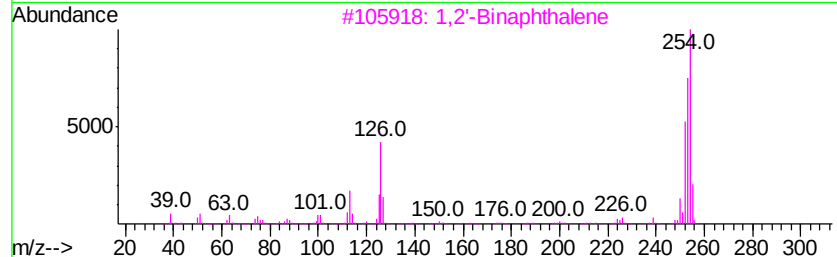
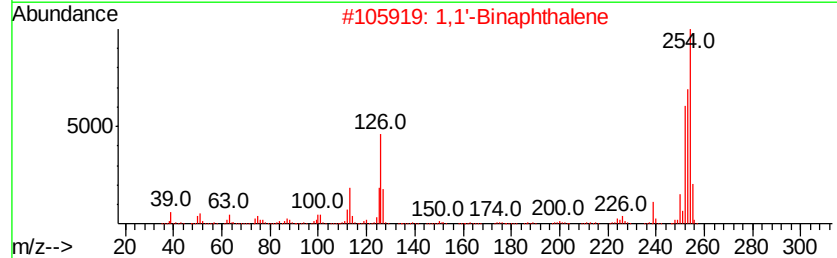
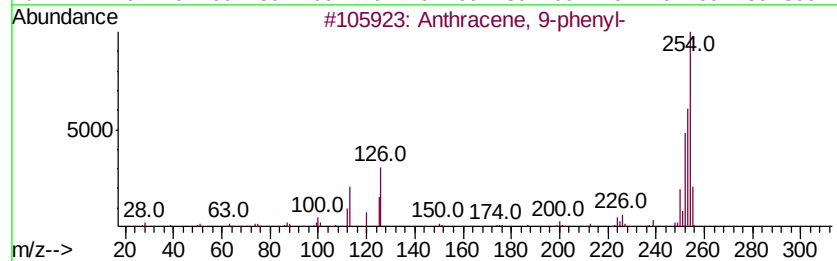
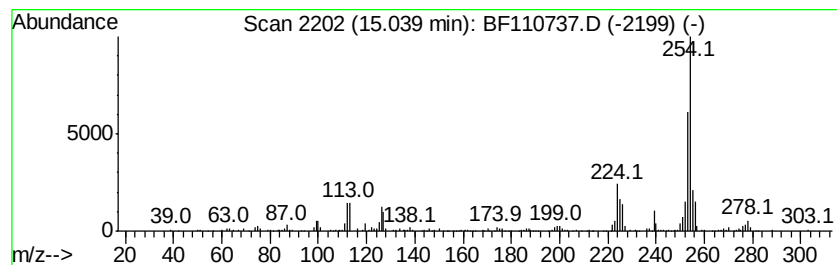
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 9-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	15.79 ng	214084	Perylene-d12	15.67
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Anthracene, 9-phenyl-	254 C20H14	000602-55-1 76
2		1,1'-Binaphthalene	254 C20H14	000604-53-5 76
3		1,2'-Binaphthalene	254 C20H14	004325-74-0 68
4		Benzo(a)pyrene, 7,8-dihydro-	254 C20H14	017573-23-8 68
5		Imidazo[1,2-b]-1,2,4-triazine, 6...	254 C14H14N4O	1000277-24-4 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110737.D
Acq On : 13 Nov 2018 23:33
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Sample : J5908-27 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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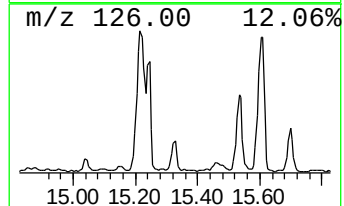
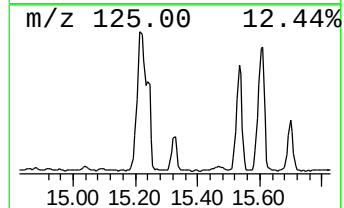
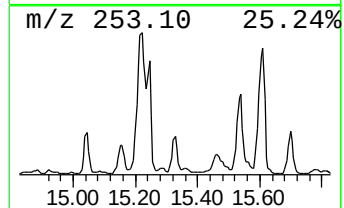
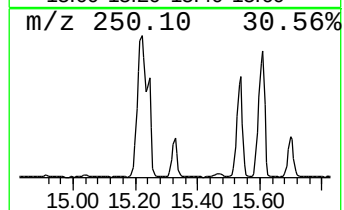
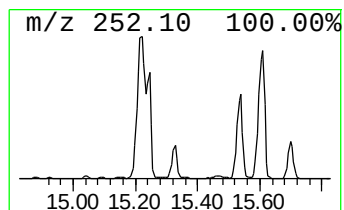
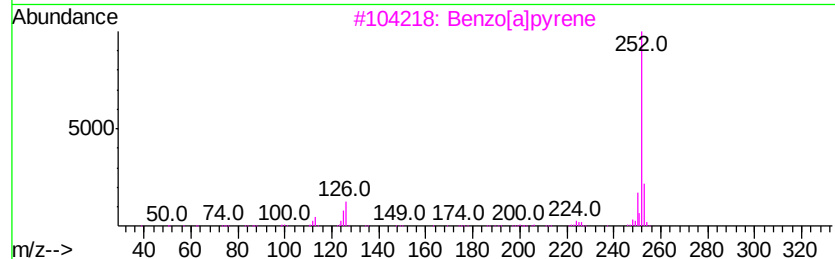
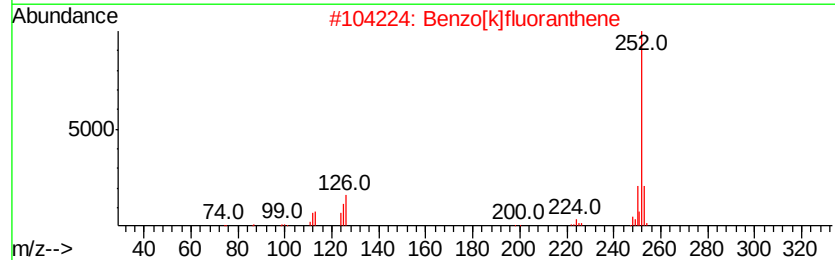
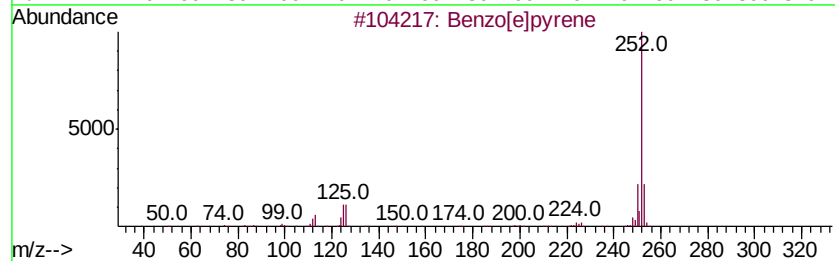
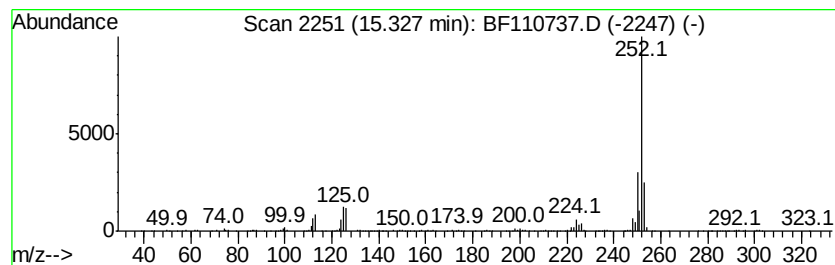
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	23.70 ng	321282	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110737.D
Acq On : 13 Nov 2018 23:33
Operator : JU/SJ
Sample : J5908-27 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SR-6-S

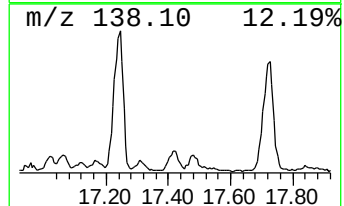
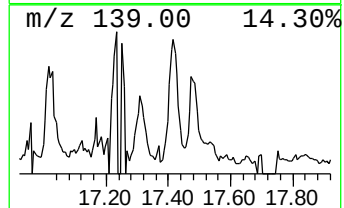
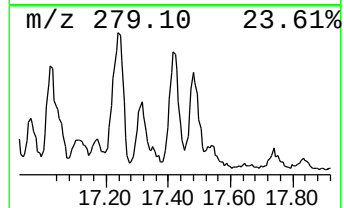
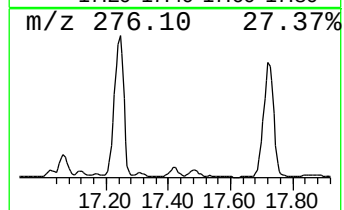
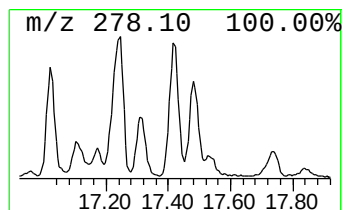
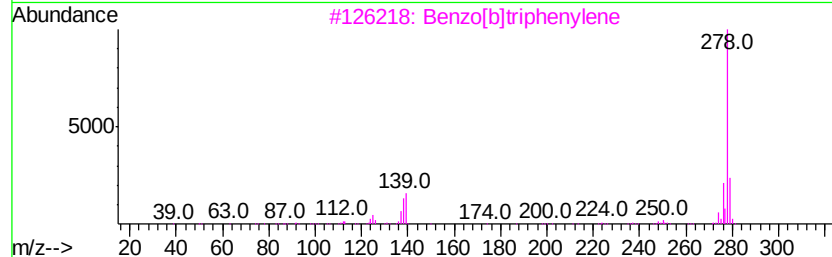
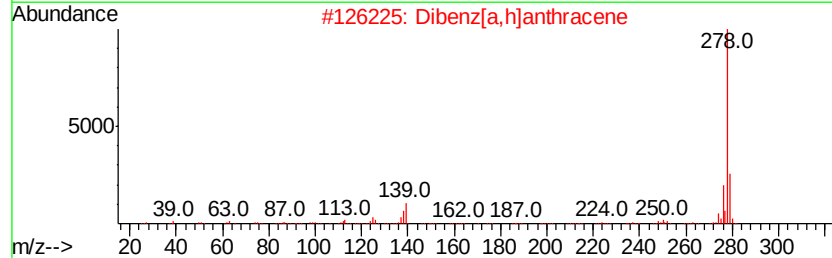
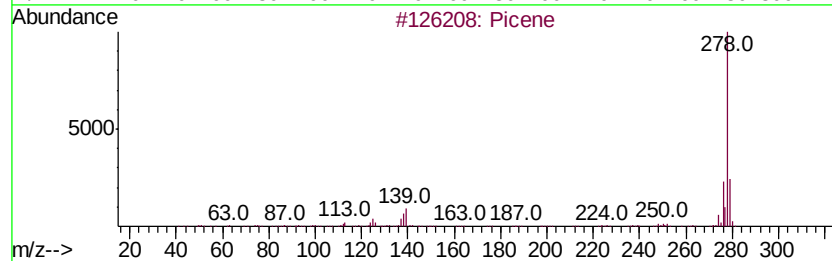
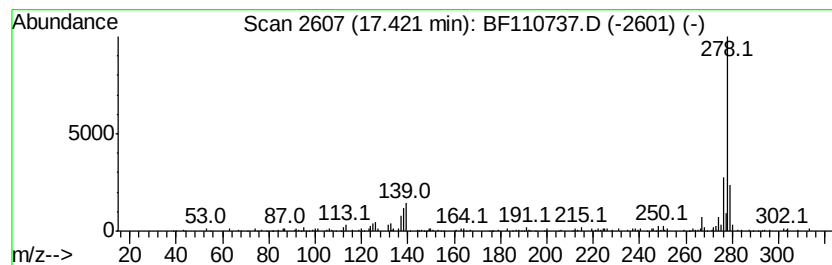
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	16.06 ng	217709	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	96
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		Pentaphene	278	C22H14	000222-93-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110737.D
Acq On : 13 Nov 2018 23:33
Operator : JU/SJ
Sample : J5908-27 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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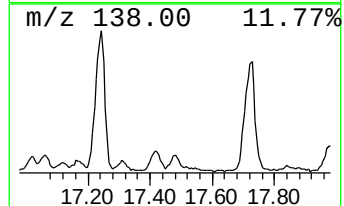
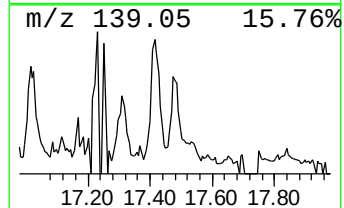
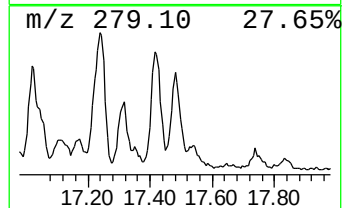
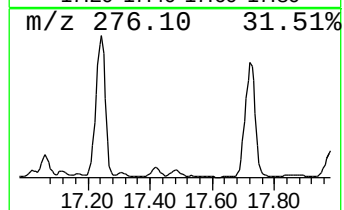
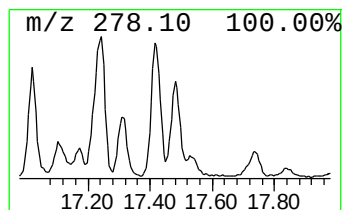
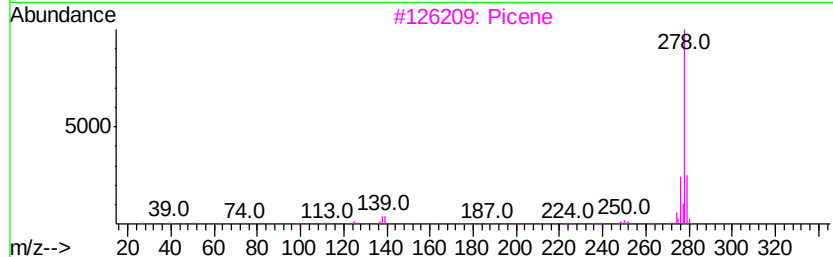
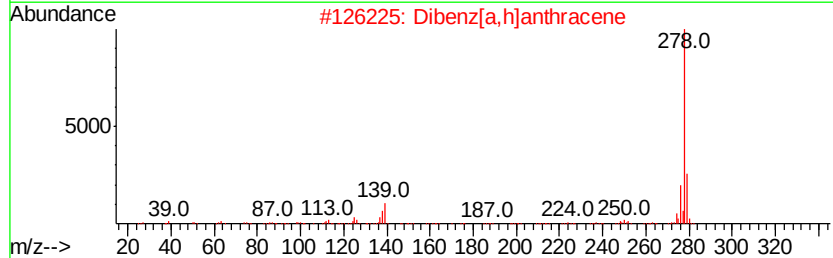
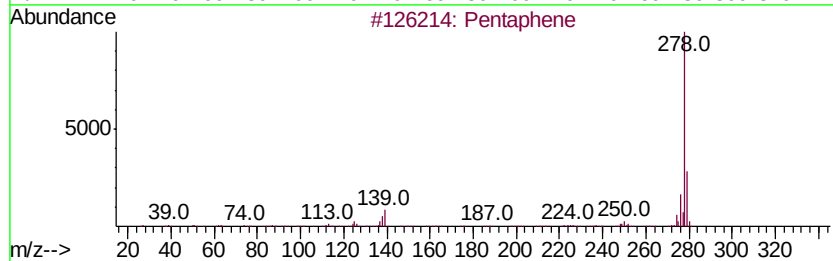
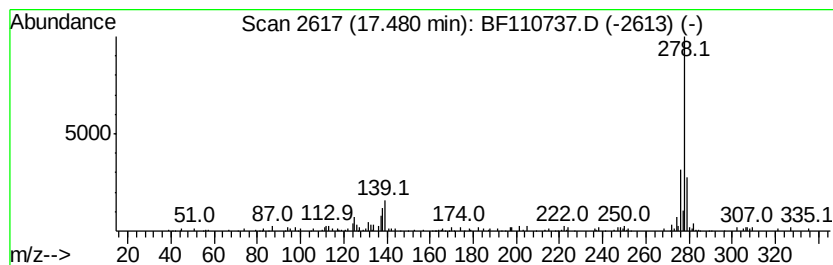
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentaphene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	10.78 ng	146193	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	95
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3		Picene	278	C22H14	000213-46-7	94
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	94
5		Pentacene	278	C22H14	000135-48-8	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110737.D
 Acq On : 13 Nov 2018 23:33
 Operator : JU/SJ
 Sample : J5908-27 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
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Dodecane, 1-iodo-	10.39	9.3	ng	232023	3	9.99	501685	20.0
Hexadecane	10.87	11.1	ng	282347	4	11.48	508209	20.0
Anthracene, 1-met...	12.01	17.9	ng	456238	4	11.48	508209	20.0
4H-Cyclopenta[def...	12.10	33.9	ng	861902	4	11.48	508209	20.0
Phenanthrene, 2-m...	12.12	9.4	ng	238948	4	11.48	508209	20.0
3,4-Biphenyldicar...	12.27	13.7	ng	347642	4	11.48	508209	20.0
Phenanthrene, 2,5...	12.53	17.7	ng	449682	4	11.48	508209	20.0
unknown12.57	12.57	9.7	ng	246131	4	11.48	508209	20.0
Cyclopenta(def)ph...	12.63	17.1	ng	435301	4	11.48	508209	20.0
unknown14.95	14.95	10.3	ng	139636	6	15.67	271110	20.0
Anthracene, 9-phe...	15.04	15.8	ng	214084	6	15.67	271110	20.0
Benzo[e]pyrene	15.33	23.7	ng	321282	6	15.67	271110	20.0
Picene	17.42	16.1	ng	217709	6	15.67	271110	20.0
Pentaphene	17.48	10.8	ng	146193	6	15.67	271110	20.0