

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099633.D
 Acq On : 18 Oct 2017 22:38
 Operator : SJ/JU
 Sample : I5951-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 294-COMP

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-BF092317.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	5.046	500	503	516	rVB	226459	264845	14.28%	0.826%
2	5.457	569	573	585	rBV	1558606	1479654	79.78%	4.615%
3	6.469	741	745	757	rBV	1482718	1499176	80.83%	4.676%
4	6.598	764	767	771	rBV	1680005	1552616	83.71%	4.842%
5	6.828	803	806	814	rBV	665818	591999	31.92%	1.846%
6	6.981	828	832	842	rBV	1455134	1339388	72.21%	4.177%
7	7.392	898	902	905	rBV	1055479	893459	48.17%	2.787%
8	8.051	1011	1014	1017	rBV	70612	55290	2.98%	0.172%
9	8.110	1020	1024	1026	rVV	768556	675239	36.41%	2.106%
10	8.128	1026	1027	1030	rVB	98104	66563	3.59%	0.208%
11	8.275	1049	1052	1059	rVB	43366	36414	1.96%	0.114%
12	9.181	1201	1206	1209	rBV	1966307	1602679	86.41%	4.999%
13	9.575	1270	1273	1279	rVB2	53368	62375	3.36%	0.195%
14	9.722	1295	1298	1303	rBV	176024	147667	7.96%	0.461%
15	9.863	1318	1322	1325	rVV	673873	571882	30.83%	1.784%
16	9.892	1325	1327	1330	rVB	45161	36049	1.94%	0.112%
17	10.410	1412	1415	1421	rVB2	41905	49253	2.66%	0.154%
18	10.569	1436	1442	1445	rBV2	34618	37156	2.00%	0.116%
19	10.651	1452	1456	1462	rBV	757533	644219	34.73%	2.009%
20	10.769	1470	1476	1482	rVB4	27101	52727	2.84%	0.164%
21	10.957	1504	1508	1511	rBV2	47698	48847	2.63%	0.152%
22	11.080	1525	1529	1531	rBV2	40546	40636	2.19%	0.127%
23	11.104	1531	1533	1539	rVV2	39177	49868	2.69%	0.156%
24	11.163	1539	1543	1546	rVV3	34015	41634	2.24%	0.130%
25	11.198	1546	1549	1552	rVV2	50637	54010	2.91%	0.168%
26	11.245	1555	1557	1563	rVB2	41930	37182	2.00%	0.116%
27	11.351	1571	1575	1577	rBV	556998	530729	28.61%	1.655%
28	11.375	1577	1579	1582	rVV	681300	511766	27.59%	1.596%
29	11.427	1584	1588	1590	rBV	262489	224692	12.11%	0.701%
30	11.592	1611	1616	1619	rBV2	32333	49891	2.69%	0.156%
31	11.639	1622	1624	1627	rVV	45269	38631	2.08%	0.120%
32	11.686	1629	1632	1636	rVB2	23812	34264	1.85%	0.107%
33	11.851	1657	1660	1662	rBV	152811	135401	7.30%	0.422%
34	11.880	1662	1665	1668	rVB	207143	178212	9.61%	0.556%

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35	11.927	1668	1673	1676	rBV	95961	77764	4.19%	0.243%
36	11.963	1676	1679	1681	rVV2	286493	281667	15.19%	0.878%
37	11.986	1681	1683	1688	rVB	107201	89542	4.83%	0.279%
38	12.145	1706	1710	1713	rVB	117589	105006	5.66%	0.327%
39	12.180	1713	1716	1720	rBV2	57643	49970	2.69%	0.156%
40	12.292	1730	1735	1738	rBV3	42836	58032	3.13%	0.181%
41	12.322	1738	1740	1743	rVV	46471	42890	2.31%	0.134%
42	12.398	1748	1753	1756	rBV	130112	141787	7.64%	0.442%
43	12.439	1756	1760	1762	rVV3	83010	111054	5.99%	0.346%
44	12.498	1765	1770	1773	rVV2	115800	137615	7.42%	0.429%
45	12.569	1778	1782	1785	rVV	1962189	1728767	93.21%	5.392%
46	12.604	1785	1788	1790	rVV2	42712	42314	2.28%	0.132%
47	12.627	1790	1792	1795	rVV	45767	39020	2.10%	0.122%
48	12.663	1795	1798	1801	rVV	202095	183785	9.91%	0.573%
49	12.716	1801	1807	1809	rVV2	93479	114684	6.18%	0.358%
50	12.733	1809	1810	1814	rVB2	45294	40082	2.16%	0.125%
51	12.798	1814	1821	1824	rBV2	1786470	1854745	100.00%	5.785%
52	12.845	1826	1829	1833	rVB3	92045	100313	5.41%	0.313%
53	12.927	1837	1843	1846	rVV	1328950	1313830	70.84%	4.098%
54	12.957	1846	1848	1852	rVB2	49034	50228	2.71%	0.157%
55	13.004	1852	1856	1862	rBV2	142776	256315	13.82%	0.799%
56	13.121	1873	1876	1879	rVB	284387	273177	14.73%	0.852%
57	13.186	1884	1887	1890	rVV	205323	175684	9.47%	0.548%
58	13.227	1890	1894	1897	rVV2	204364	230635	12.43%	0.719%
59	13.280	1901	1903	1906	rBV2	38550	42167	2.27%	0.132%
60	13.321	1906	1910	1913	rVV2	164312	176739	9.53%	0.551%
61	13.351	1913	1915	1924	rVB2	123340	157800	8.51%	0.492%
62	13.416	1924	1926	1928	rBV2	26801	34858	1.88%	0.109%
63	13.604	1954	1958	1961	rBV2	59466	82726	4.46%	0.258%
64	13.633	1961	1963	1967	rVB	123545	113884	6.14%	0.355%
65	13.745	1976	1982	1984	rBV2	189425	293260	15.81%	0.915%
66	13.769	1984	1986	1988	rVB	160946	124274	6.70%	0.388%
67	13.792	1988	1990	1992	rBV	127244	131964	7.11%	0.412%
68	13.845	1997	1999	2005	rVB2	161042	150333	8.11%	0.469%
69	13.910	2005	2010	2015	rBV2	65400	132810	7.16%	0.414%
70	13.957	2015	2018	2019	rBV2	54206	53375	2.88%	0.166%
71	13.986	2019	2023	2027	rVV2	1220978	1841749	99.30%	5.744%

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72	14.021	2027	2029	2036	rVV	964194	832523	44.89%	2.597%
73	14.098	2040	2042	2045	rBV	138872	119183	6.43%	0.372%
74	14.145	2047	2050	2056	rVV2	167112	189124	10.20%	0.590%
75	14.186	2056	2057	2059	rVV	44088	35235	1.90%	0.110%
76	14.221	2059	2063	2066	rVB2	70636	100628	5.43%	0.314%
77	14.345	2081	2084	2085	rBV2	75403	68773	3.71%	0.214%
78	14.380	2085	2090	2093	rVV	210839	232860	12.55%	0.726%
79	14.416	2093	2096	2098	rVV	71904	64615	3.48%	0.202%
80	14.480	2105	2107	2109	rVB	60697	45057	2.43%	0.141%
81	14.504	2109	2111	2113	rVV	111814	99583	5.37%	0.311%
82	14.527	2113	2115	2118	rVB3	113931	97250	5.24%	0.303%
83	14.574	2120	2123	2126	rVB2	65546	61954	3.34%	0.193%
84	14.621	2129	2131	2135	rBV2	30042	33935	1.83%	0.106%
85	14.698	2141	2144	2147	rBV3	66347	86585	4.67%	0.270%
86	14.763	2153	2155	2157	rBV2	30571	31593	1.70%	0.099%
87	14.874	2171	2174	2178	rBV2	106535	125818	6.78%	0.392%
88	15.039	2197	2202	2205	rBV	801314	1299033	70.04%	4.052%
89	15.145	2216	2220	2224	rVB	220737	256929	13.85%	0.801%
90	15.227	2231	2234	2236	rBV3	55175	72040	3.88%	0.225%
91	15.339	2249	2253	2259	rVB	501725	620233	33.44%	1.934%
92	15.404	2259	2264	2269	rBV	745270	959046	51.71%	2.991%
93	15.463	2270	2274	2277	rVV	410098	523931	28.25%	1.634%
94	15.492	2277	2279	2286	rVB2	204844	268621	14.48%	0.838%
95	15.862	2339	2342	2346	rBV	47561	59064	3.18%	0.184%
96	16.933	2518	2524	2533	rVB	293852	578187	31.17%	1.803%
97	17.104	2549	2553	2559	rBV	53429	99249	5.35%	0.310%
98	17.168	2560	2564	2571	rVB2	33440	70089	3.78%	0.219%
99	17.386	2595	2601	2609	rVB	201670	377484	20.35%	1.177%
100	17.633	2636	2643	2655	rVB2	72404	185121	9.98%	0.577%

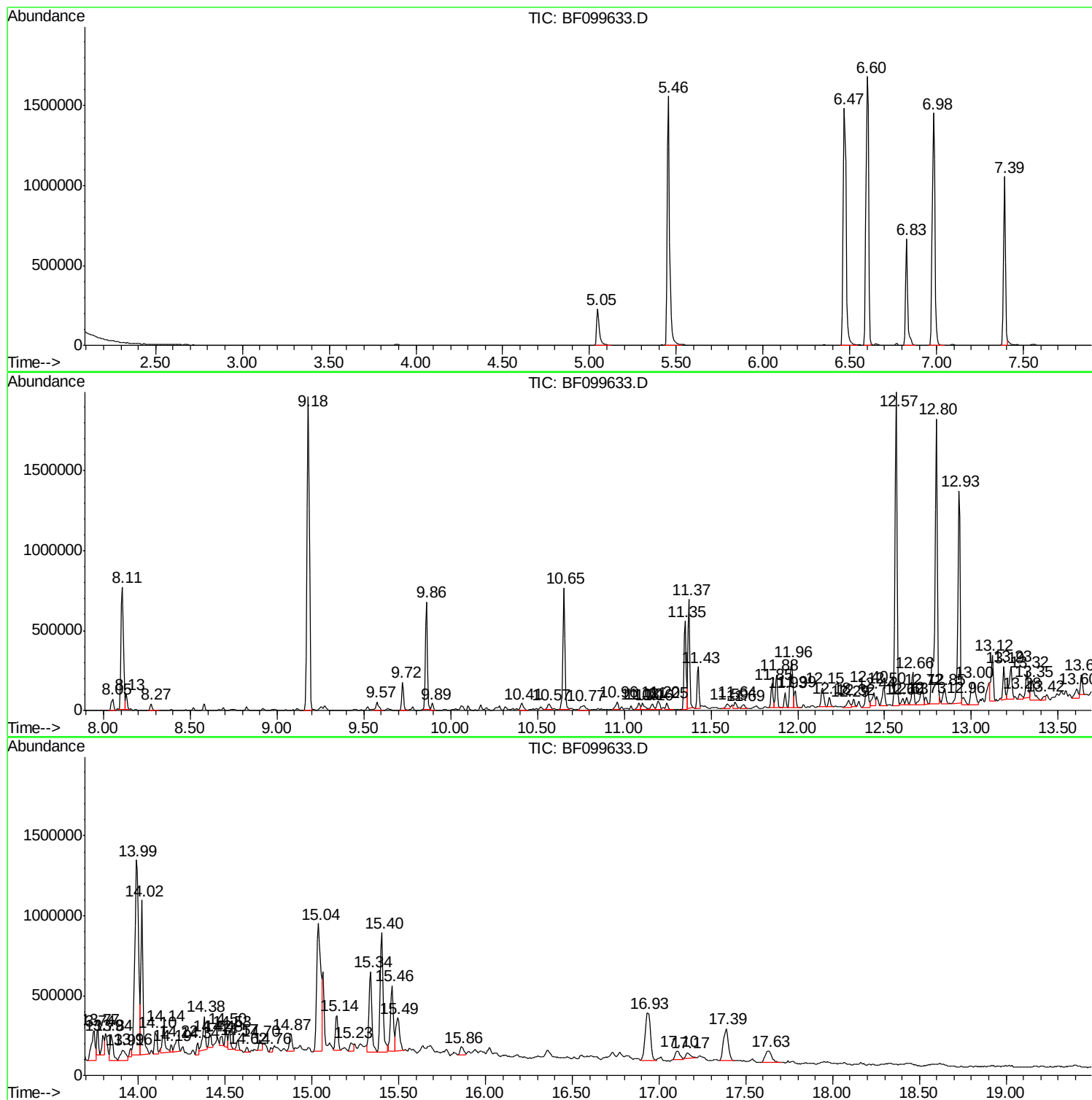
Sum of corrected areas: 32063001

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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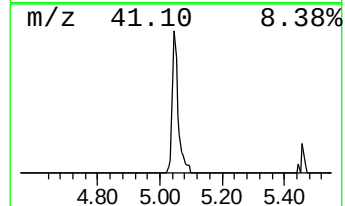
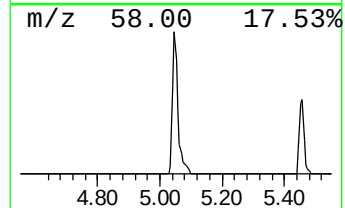
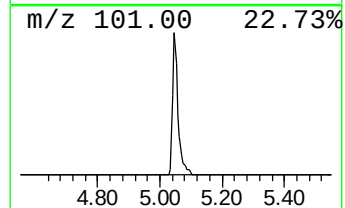
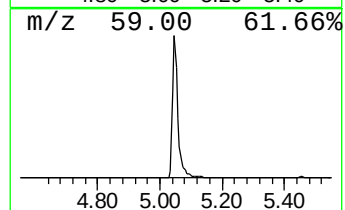
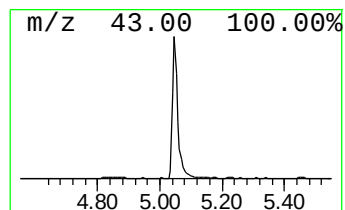
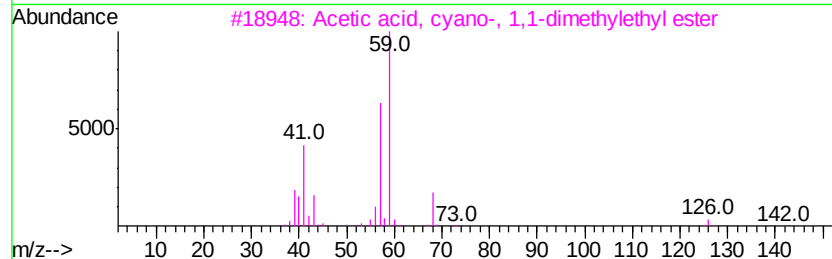
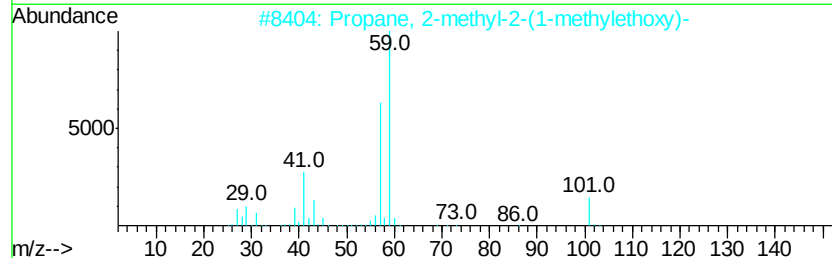
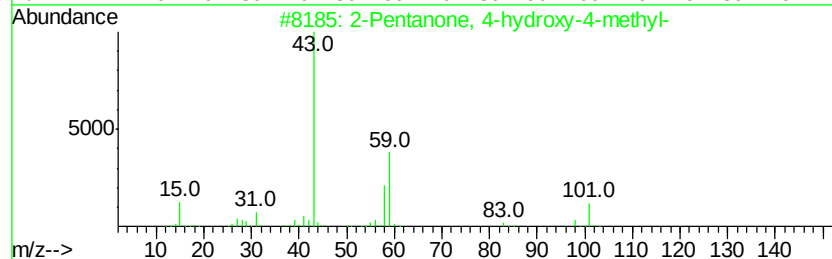
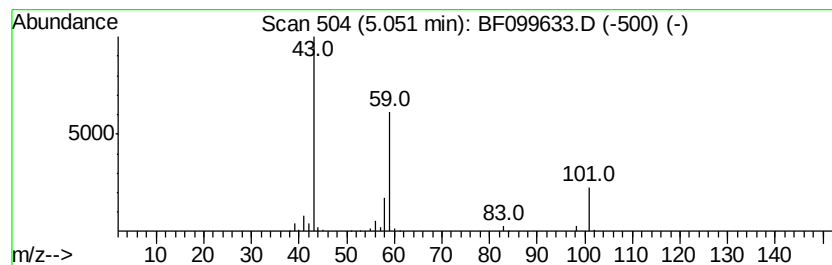
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	8.95 ng	264845	1,4-Dichlorobenzene-d4	6.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4		Guanidine	59	CH5N3	000113-00-8	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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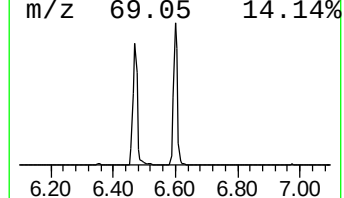
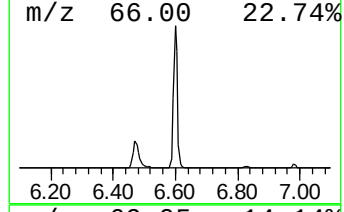
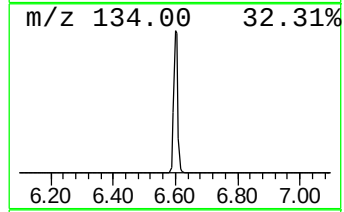
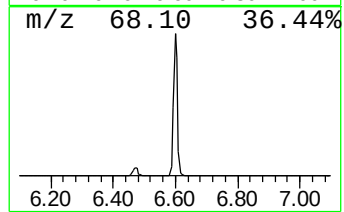
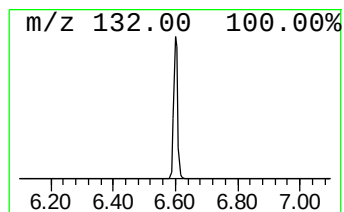
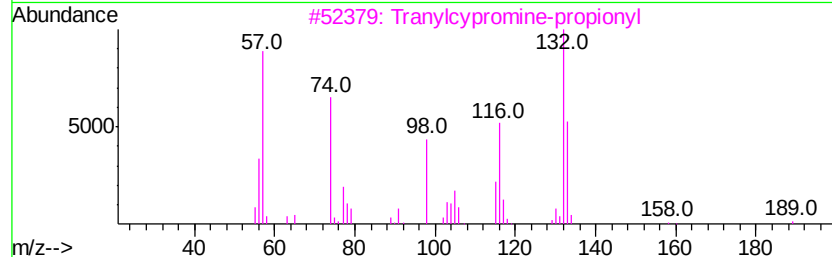
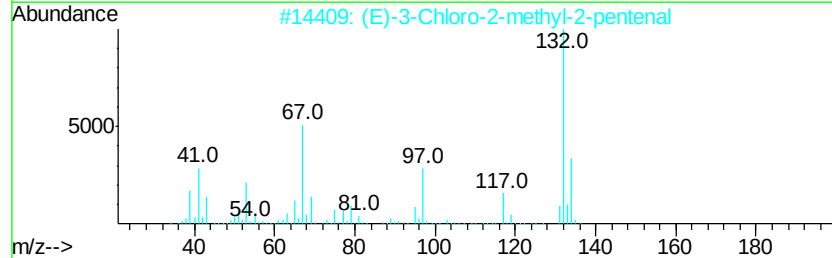
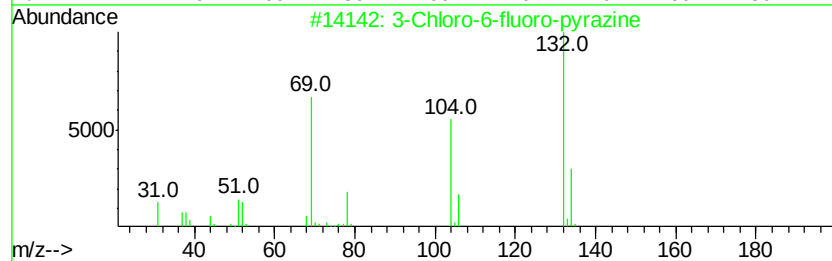
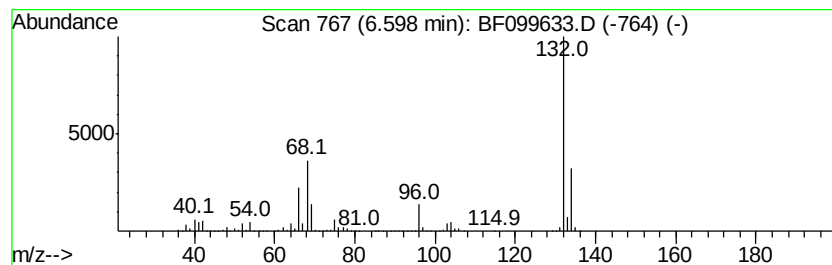
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	52.45 ng	1552620	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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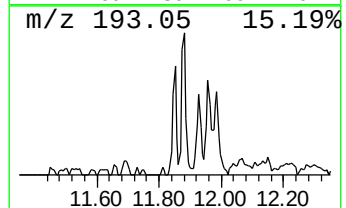
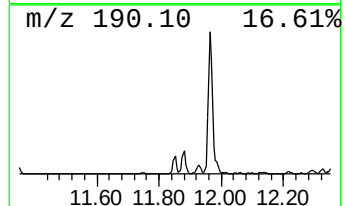
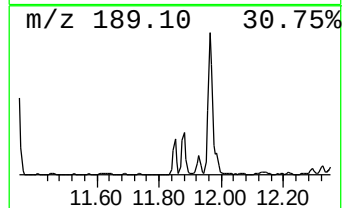
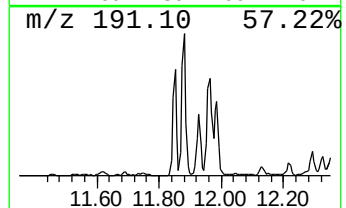
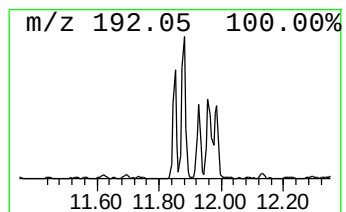
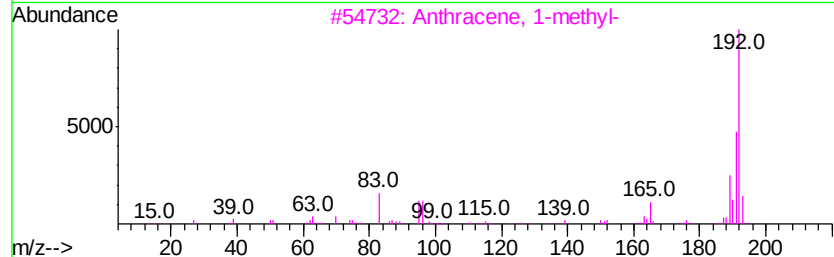
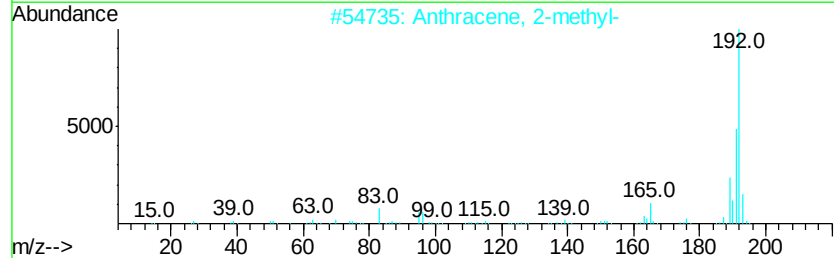
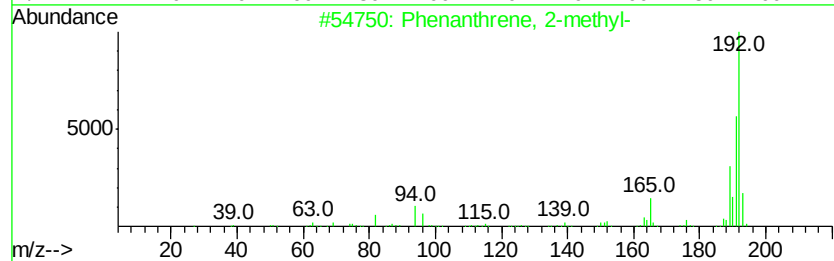
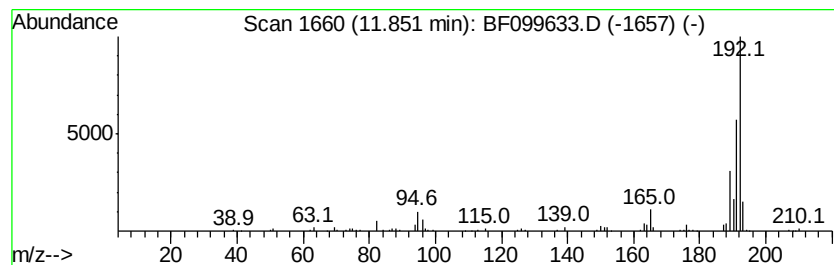
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	5.10 ng	135401	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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Operator : SJ/JU
Sample : I5951-01
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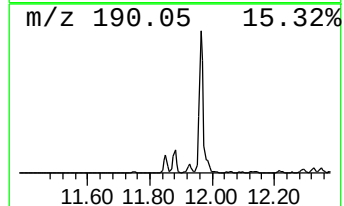
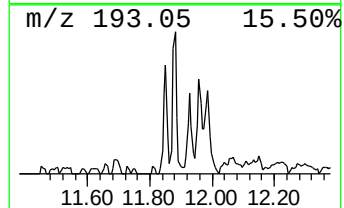
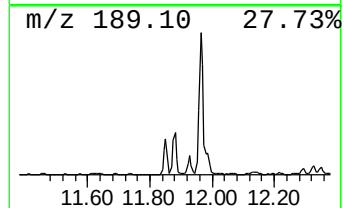
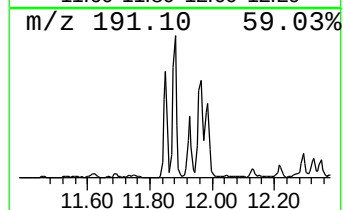
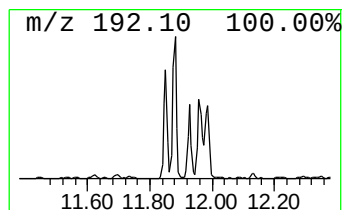
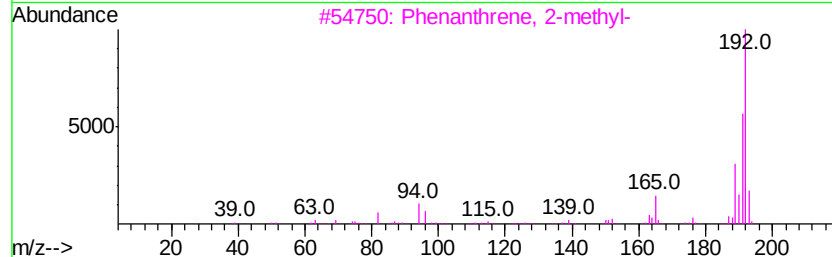
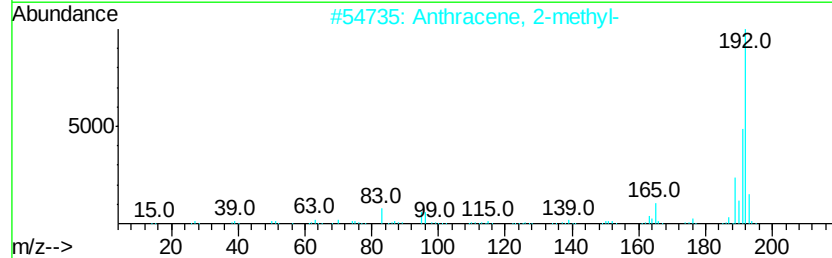
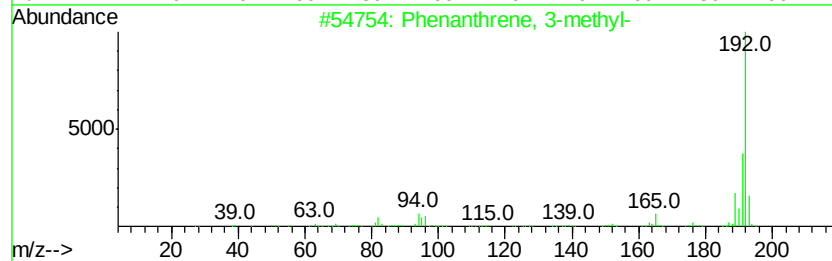
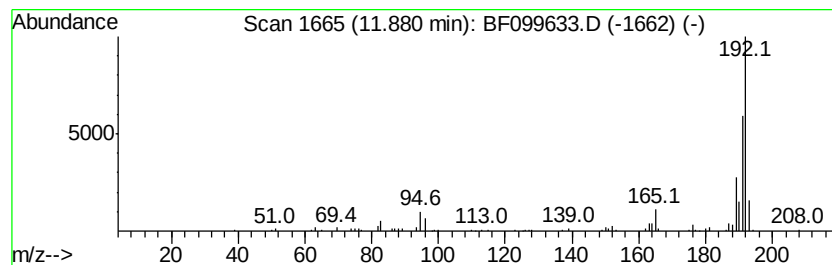
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.88	6.72 ng	178212	Phenanthrene-d10		11.35
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099633.D
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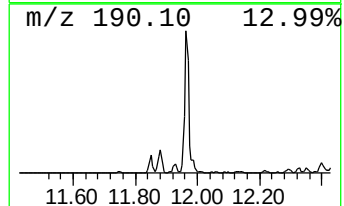
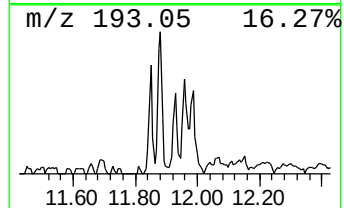
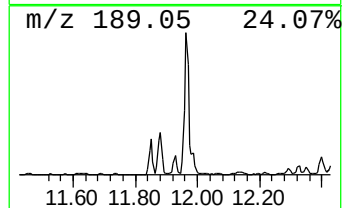
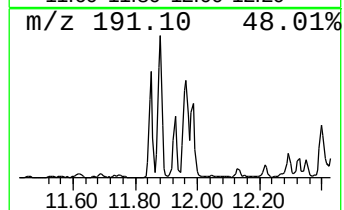
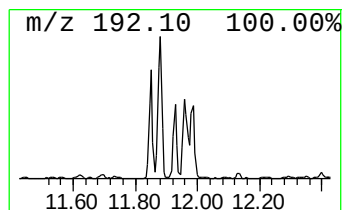
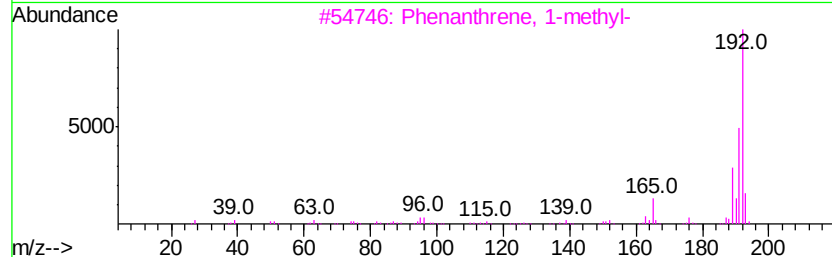
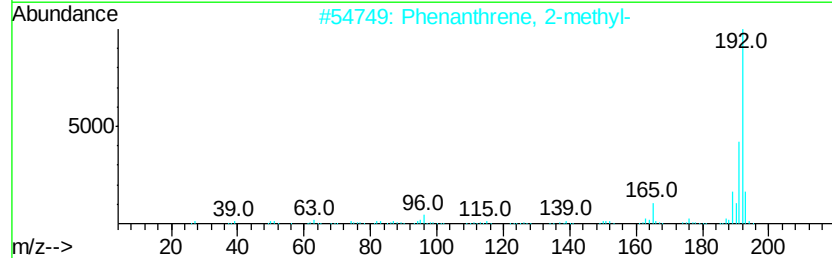
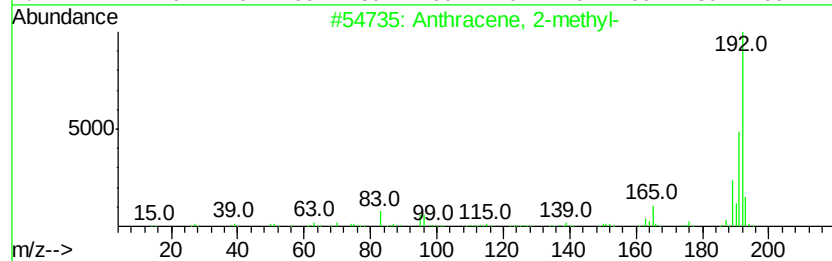
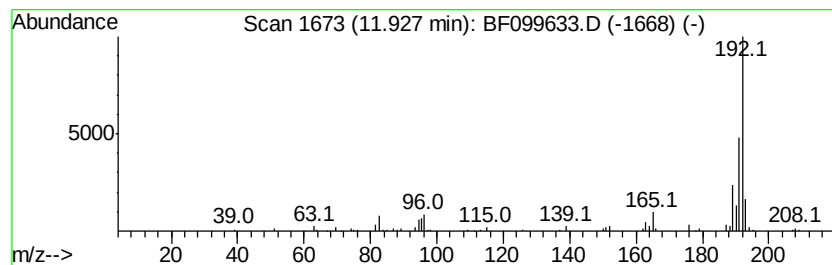
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.93 ng	77764	Phenanthrene-d10	11.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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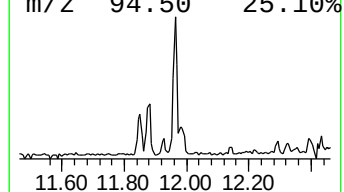
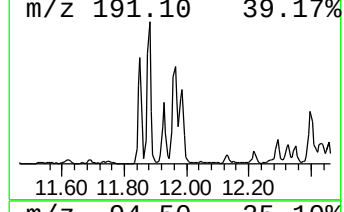
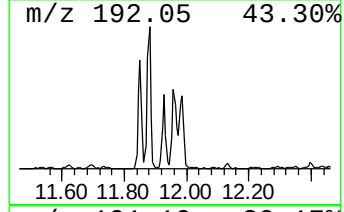
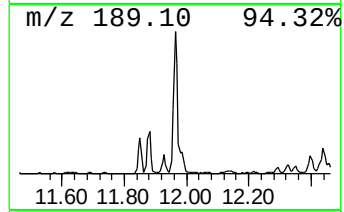
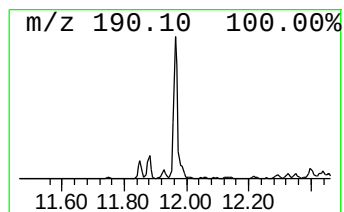
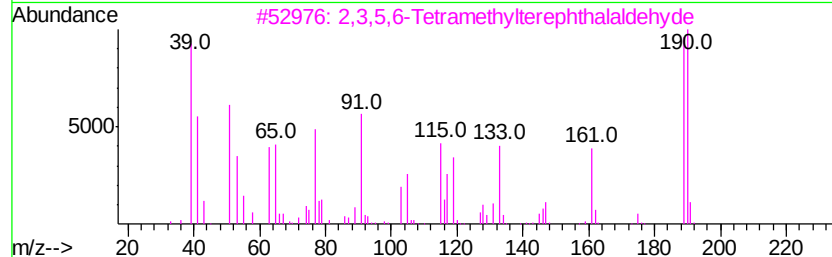
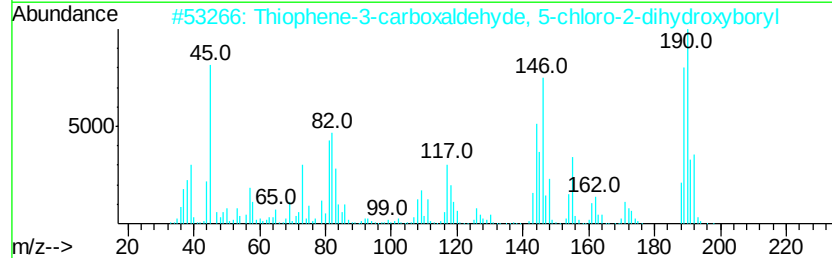
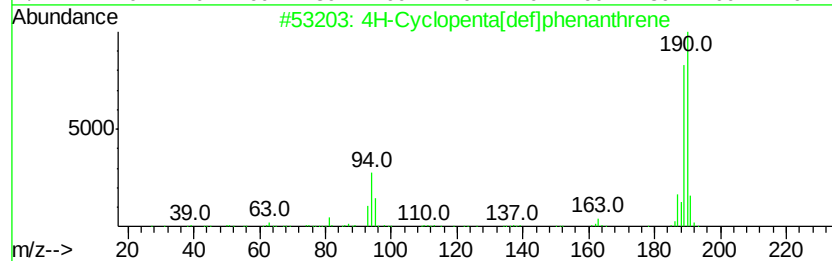
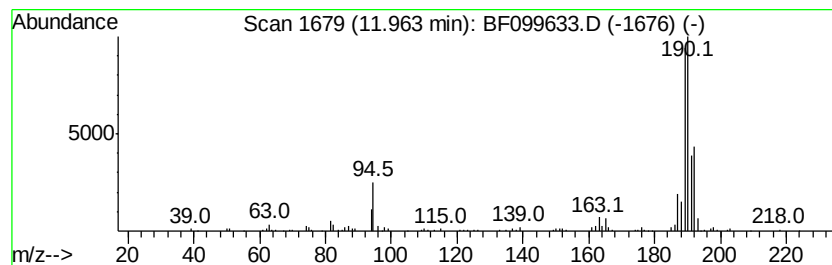
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	10.61 ng	281667	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101817\
Data File : BF099633.D
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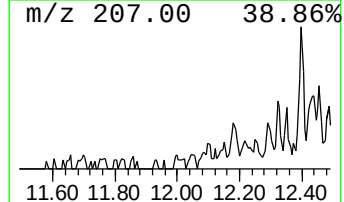
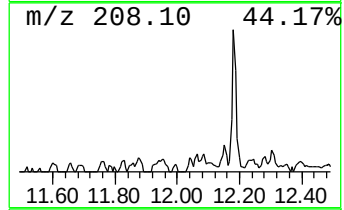
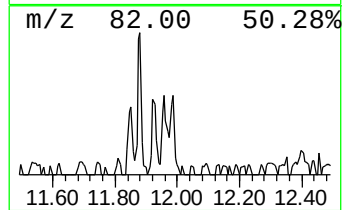
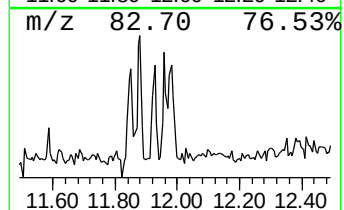
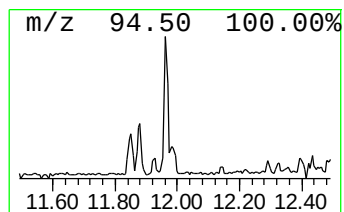
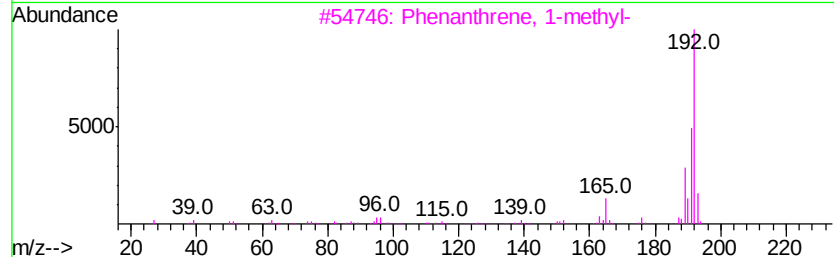
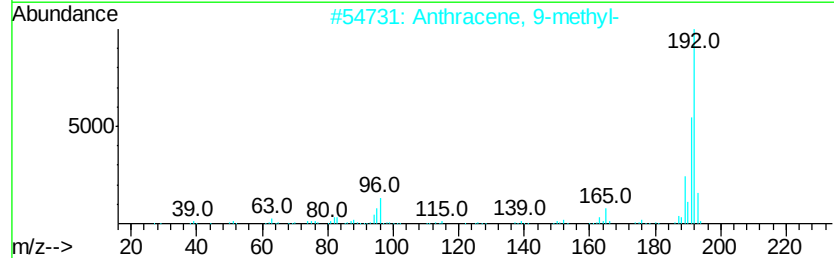
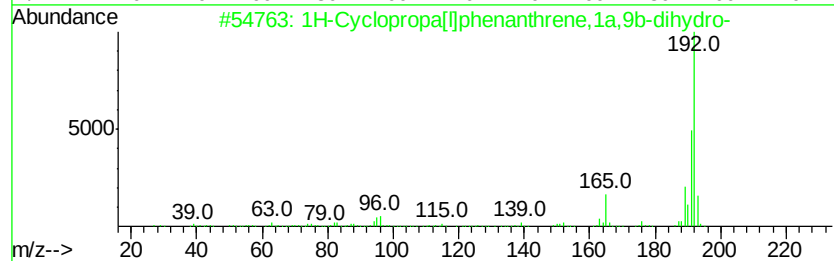
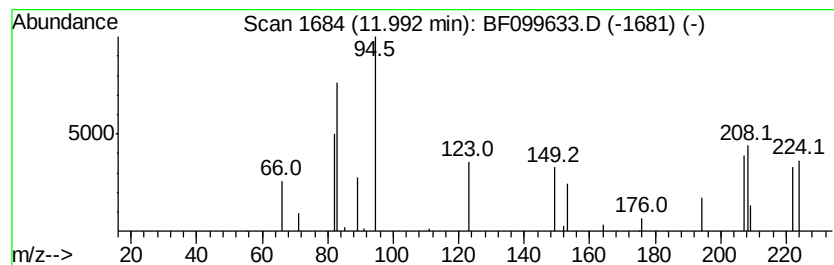
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.37 ng	89542	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101817\
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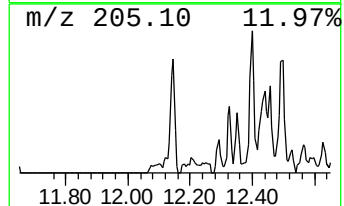
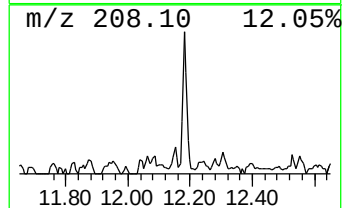
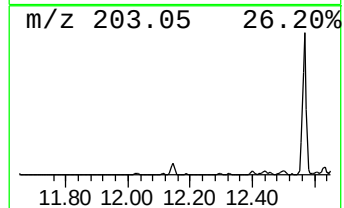
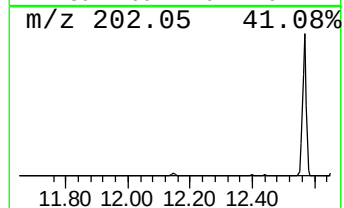
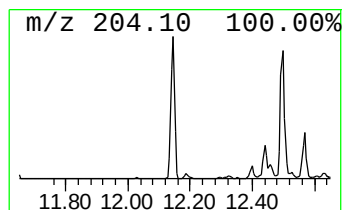
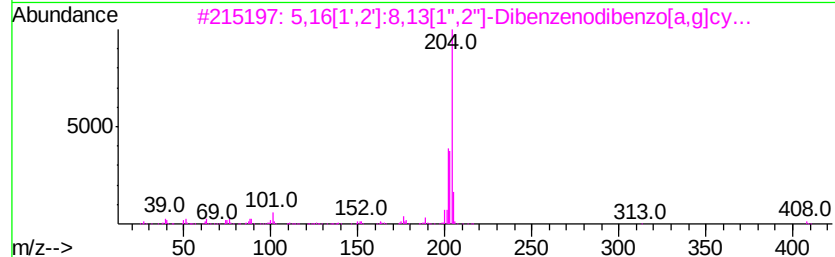
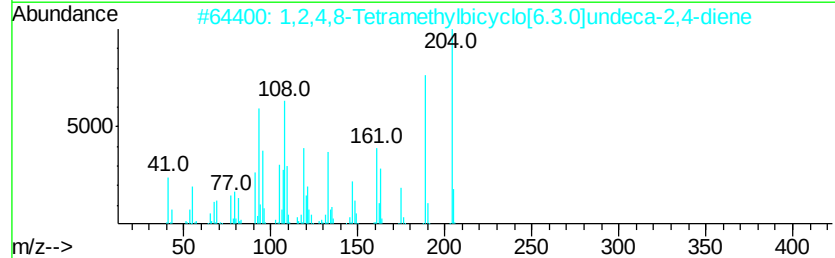
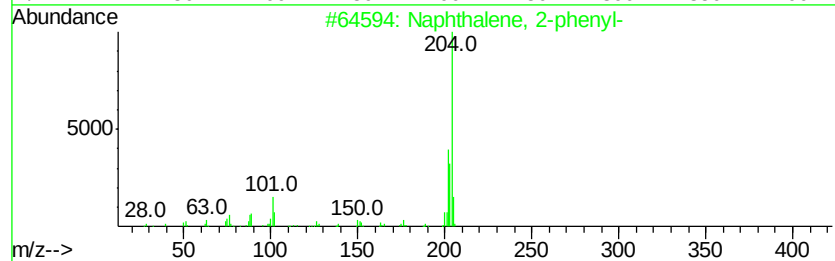
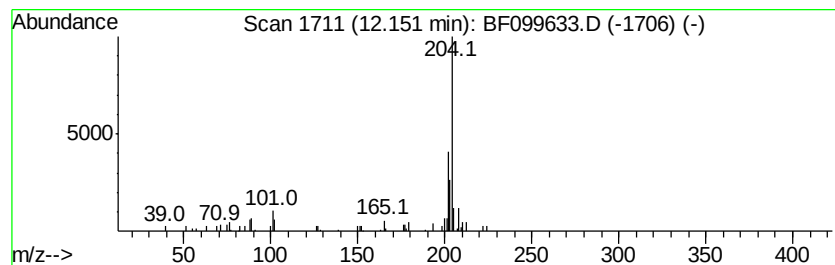
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.96 ng	105006	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
3		5,16[1',2']8,13[1'',2'']-Dibenzo[a,g]cy...	408	C32H24	005672-97-9	83
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101817\
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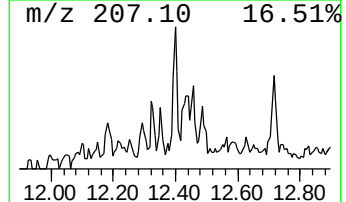
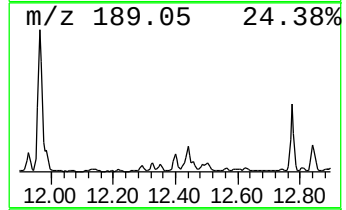
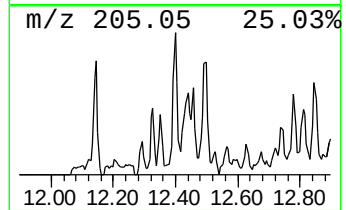
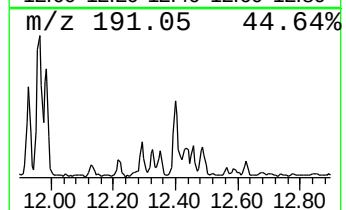
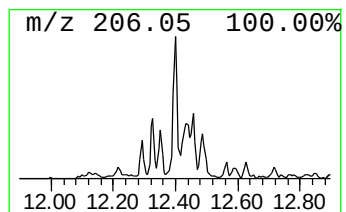
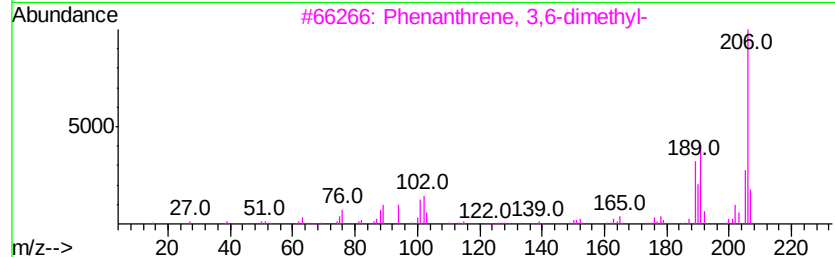
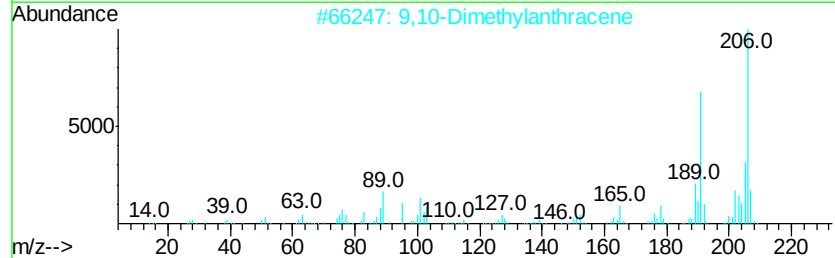
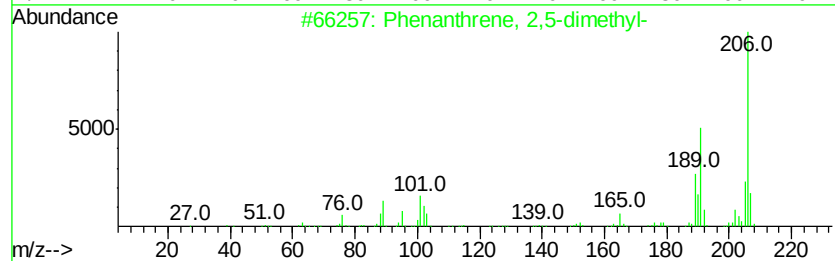
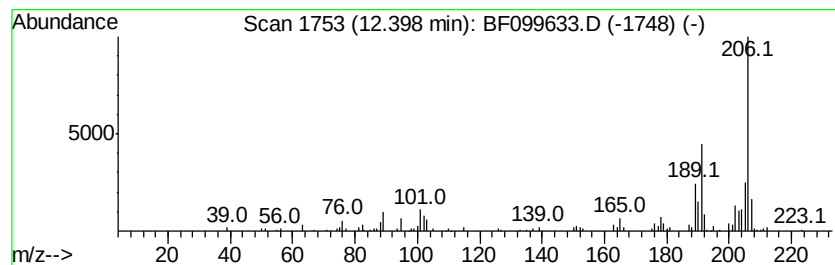
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.34 ng	141787	Phenanthrene-d10	11.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Phenanthrene, 2,5-dimethyl-	206 C16H14	003674-66-6 98
2		9,10-Dimethylantracene	206 C16H14	000781-43-1 97
3		Phenanthrene, 3,6-dimethyl-	206 C16H14	001576-67-6 95
4		Phenanthrene, 1,7-dimethyl-	206 C16H14	000483-87-4 95
5		Phenanthrene, 2,3-dimethyl-	206 C16H14	003674-65-5 91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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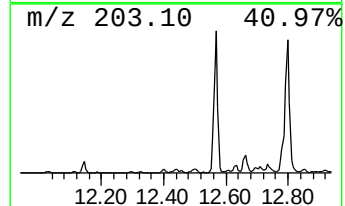
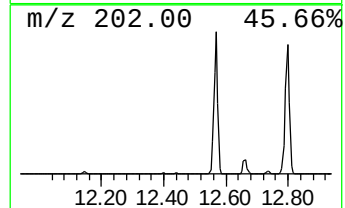
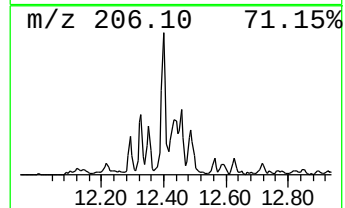
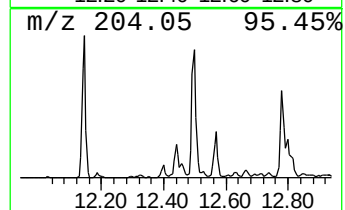
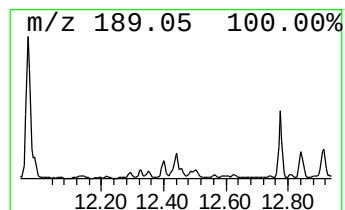
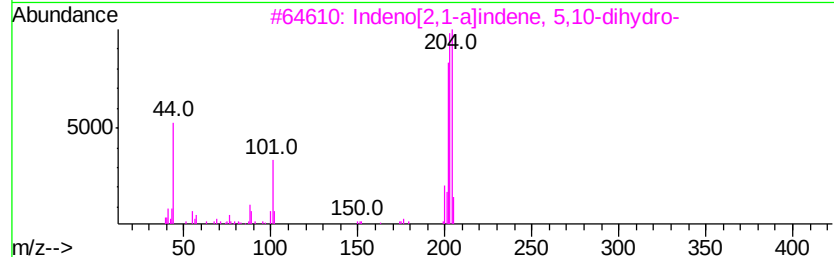
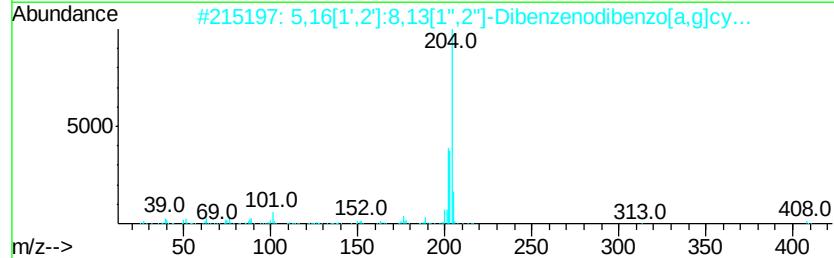
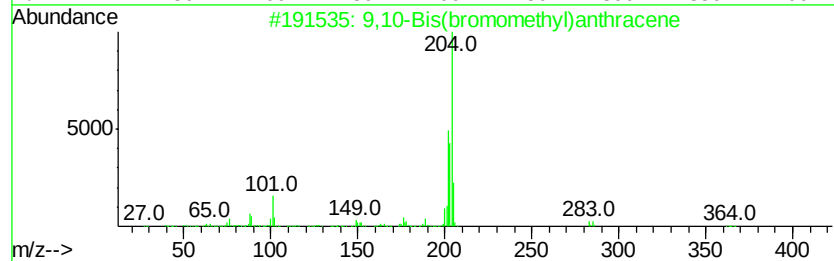
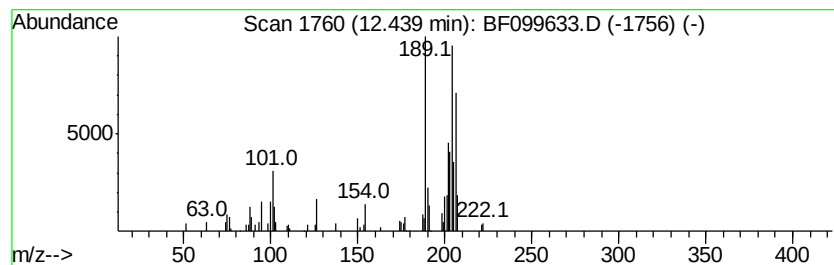
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown12.44 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	4.18 ng	111054	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	38
3		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	27



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Operator : SJ/JU
Sample : I5951-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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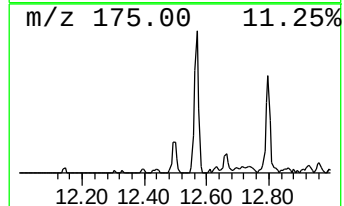
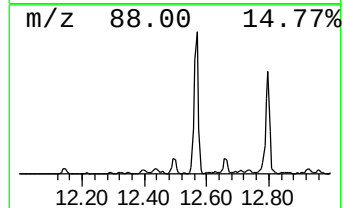
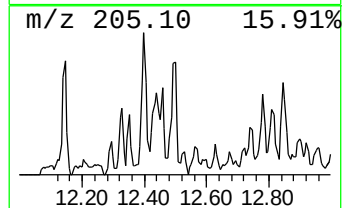
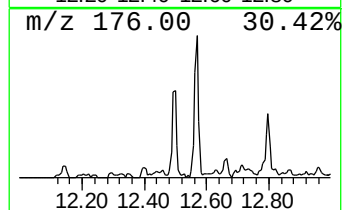
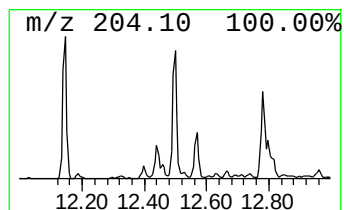
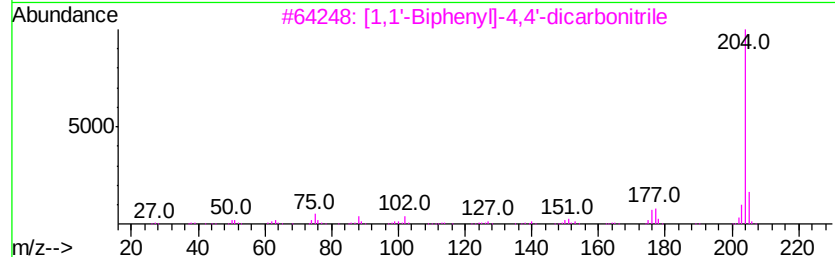
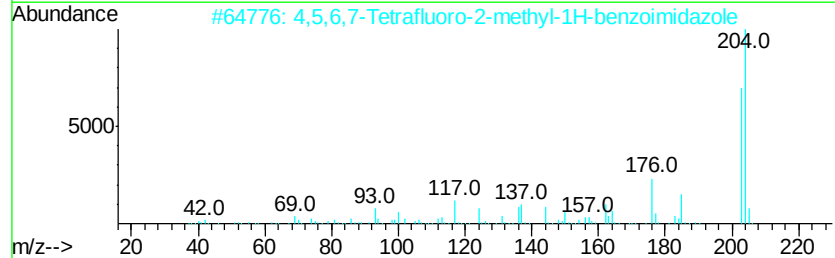
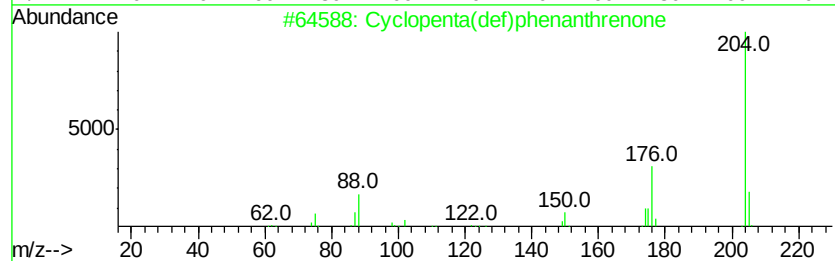
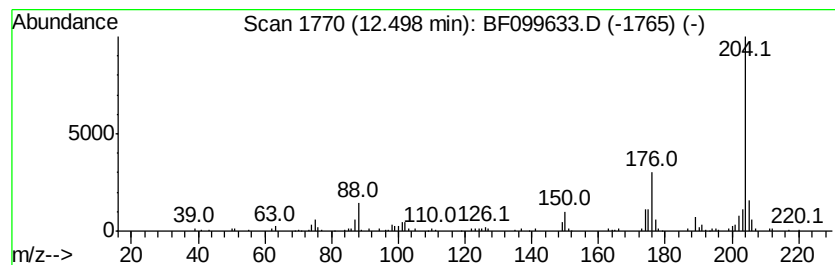
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	5.19 ng	137615	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50
5		Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	50



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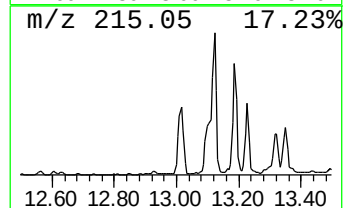
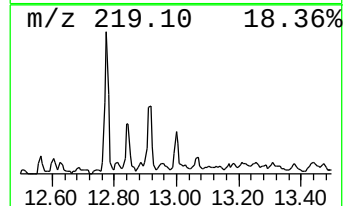
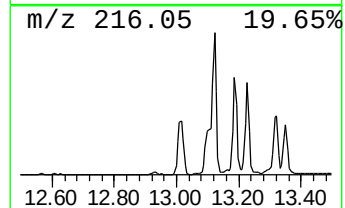
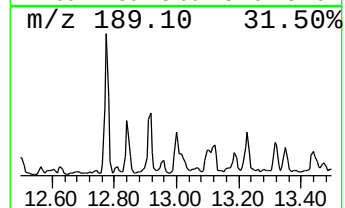
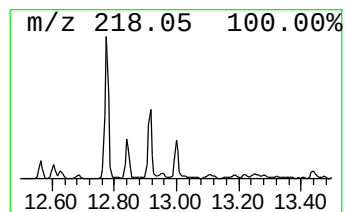
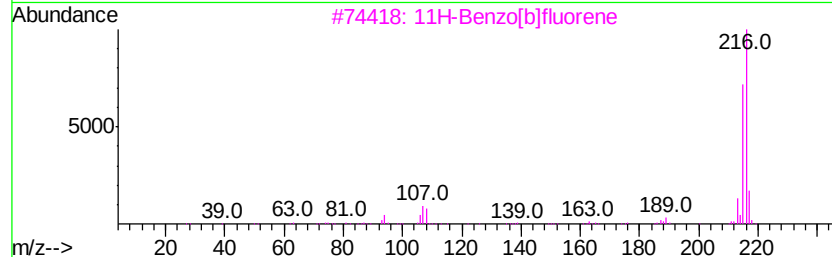
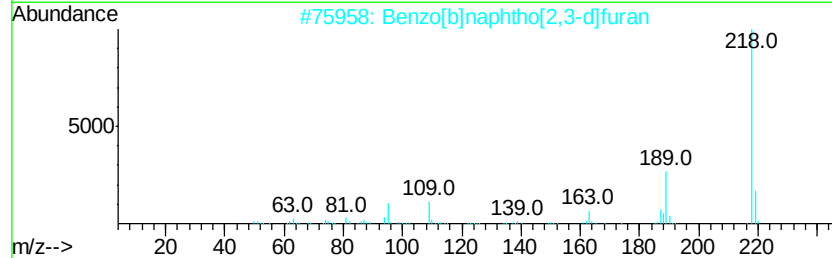
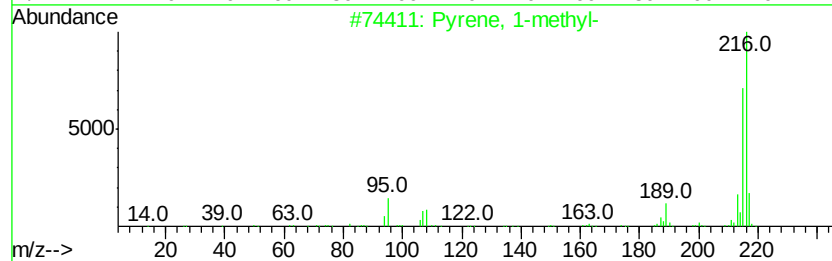
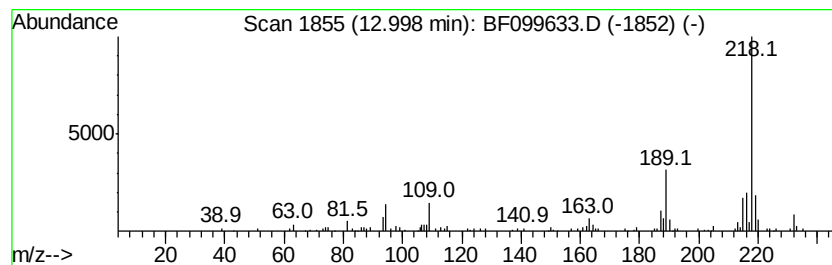
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.00	2.78 ng	256315	Chrysene-d12	14.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	70
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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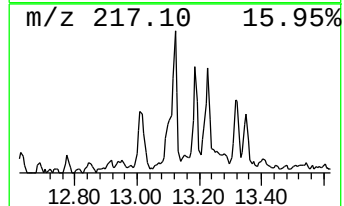
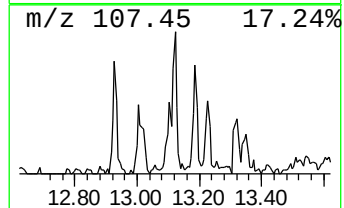
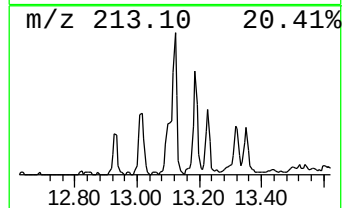
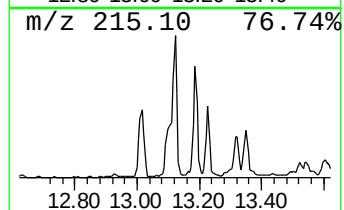
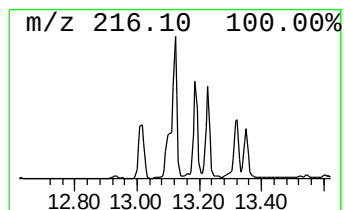
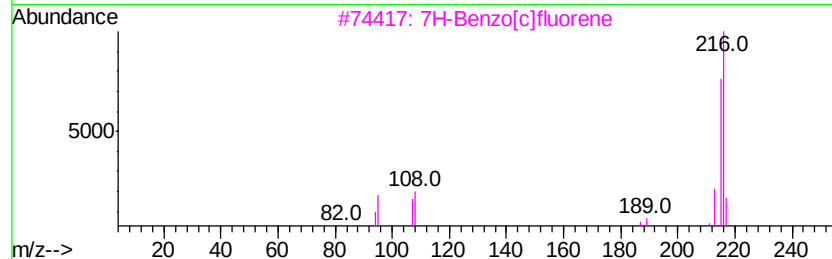
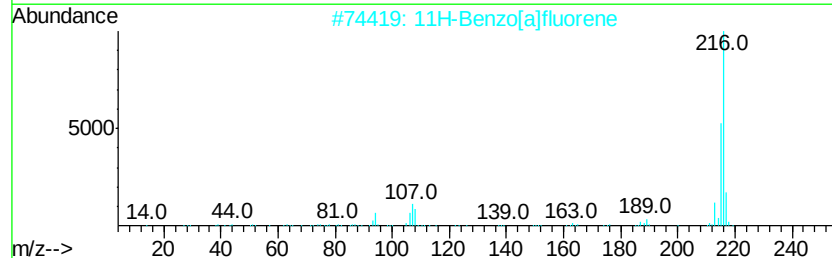
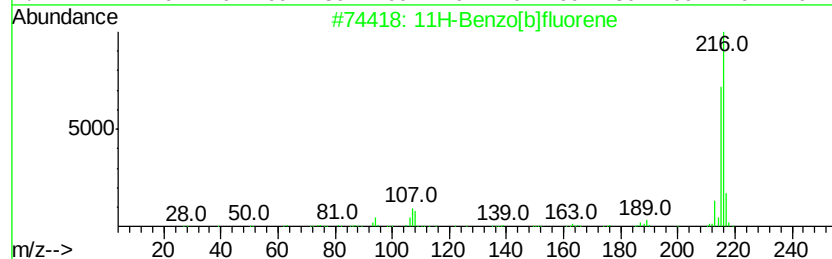
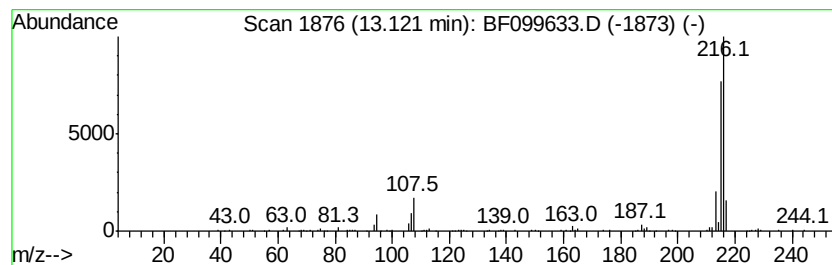
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.97 ng	273177	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4			Pvrene, 1-methyl-	216	C17H12	002381-21-7	64
5			2-[3-Pyridyl]methylene-3-quinocl...	216	C13H16N2O	273748-56-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099633.D
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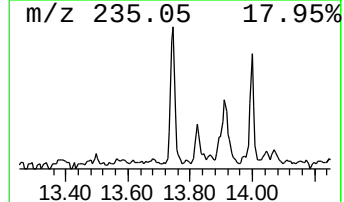
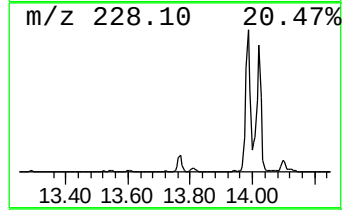
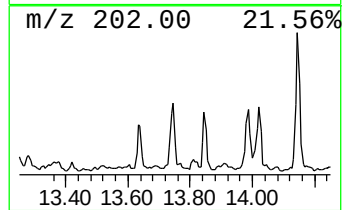
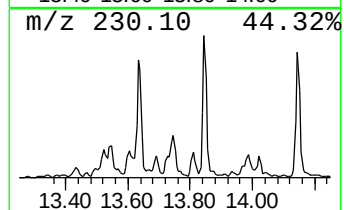
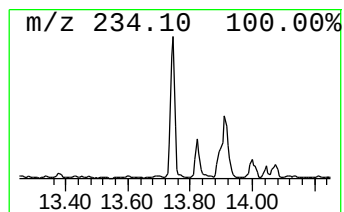
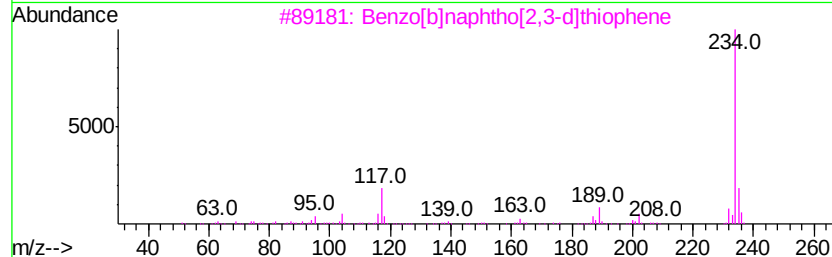
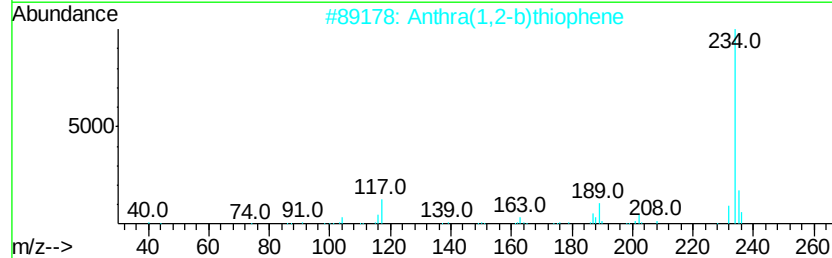
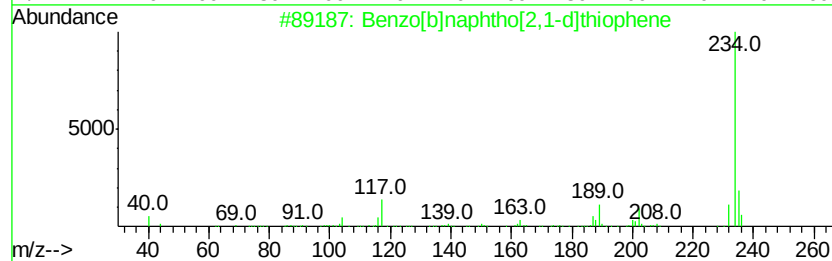
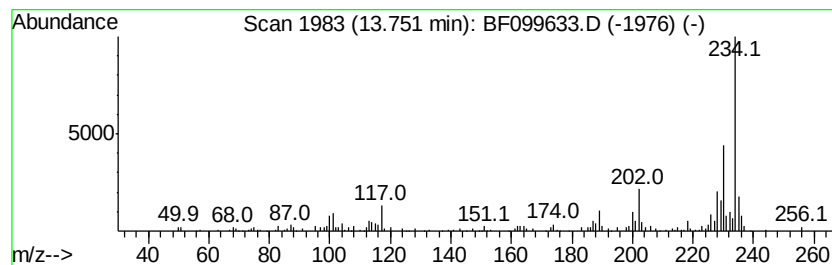
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.18 ng	293260	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	78
5			2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46



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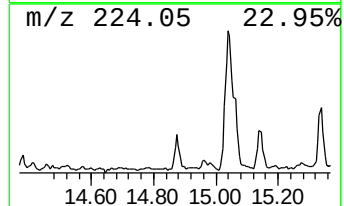
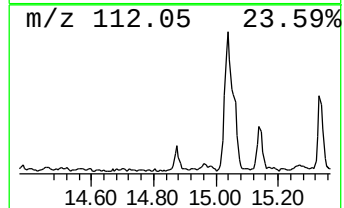
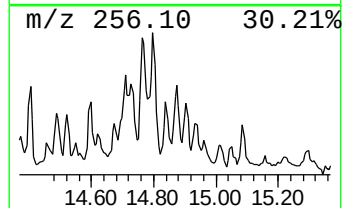
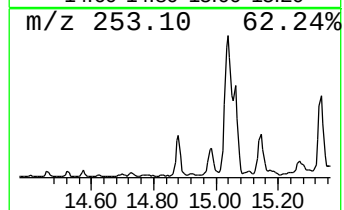
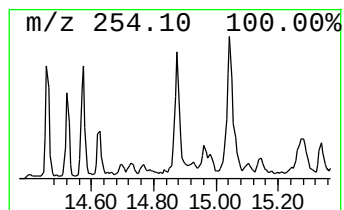
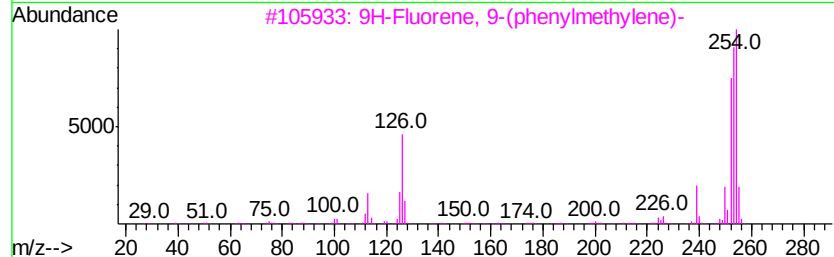
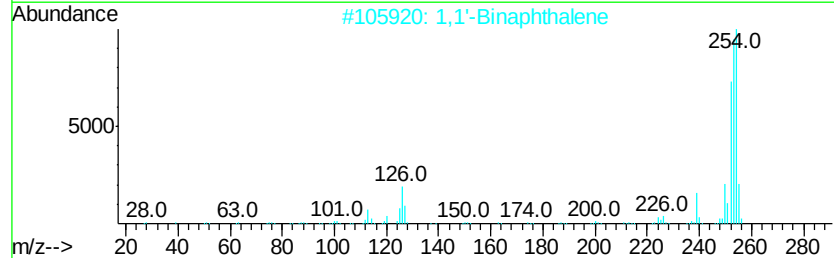
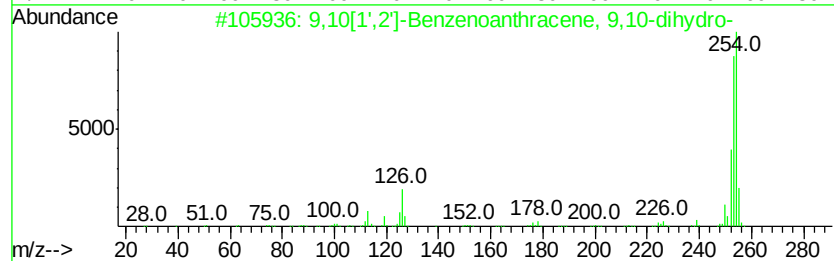
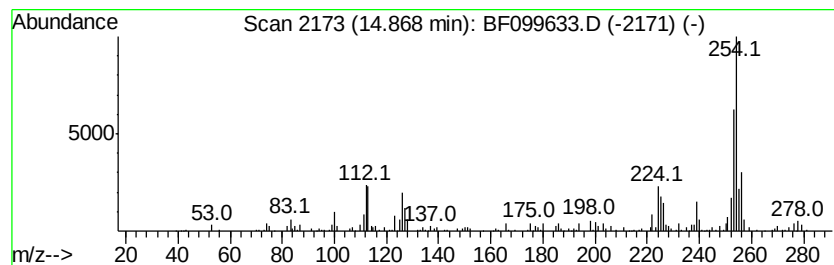
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 9,10[1',2']-Benzenoanthracene... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	4.80 ng	125818	Perylene-d12	15.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
2			1,1'-Binaphthalene	254	C20H14	000604-53-5	70
3			9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9	62
4			4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	58
5			1H-Indene, 1,1'-(1,2-ethanediyl)-	254	C20H14	072088-04-1	58



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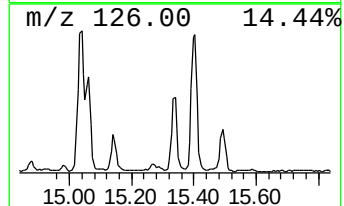
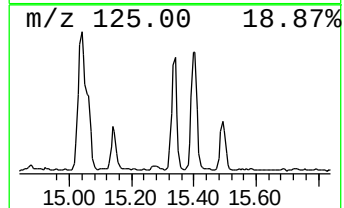
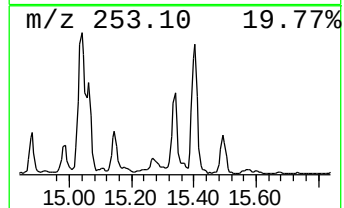
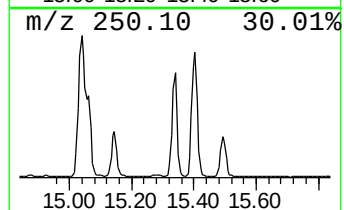
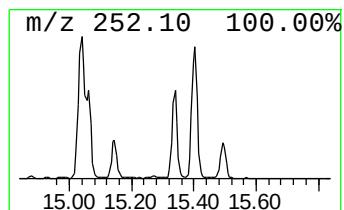
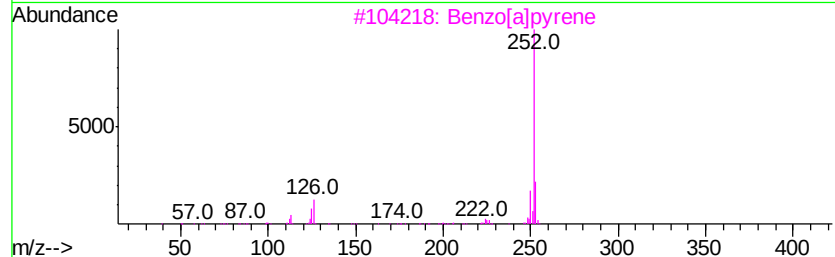
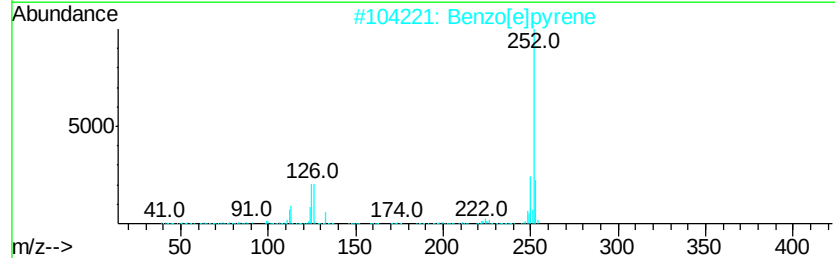
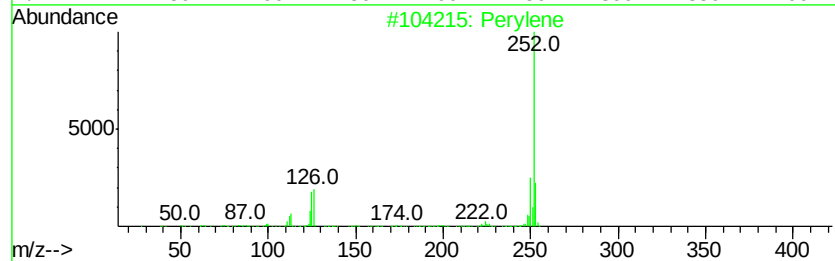
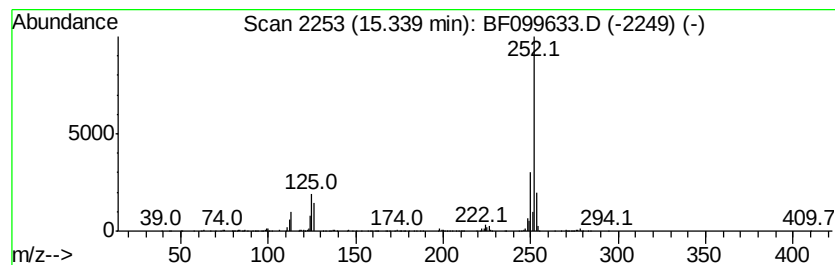
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.34	23.68 ng	620233	Perylene-d12	15.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[el]pyrene	252	C20H12	000192-97-2	99
3	Benzo[al]pyrene	252	C20H12	000050-32-8	96
4	Benzo[i]lfluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



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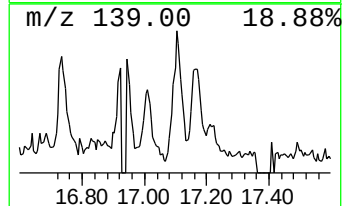
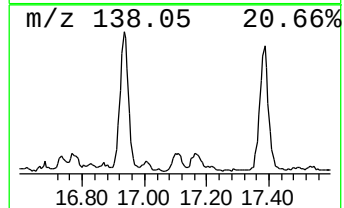
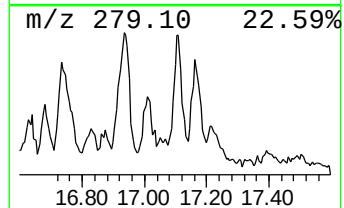
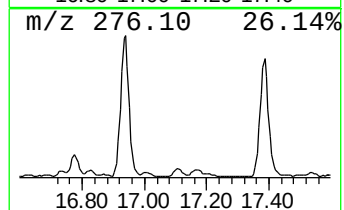
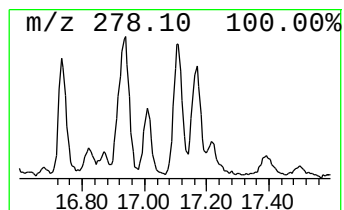
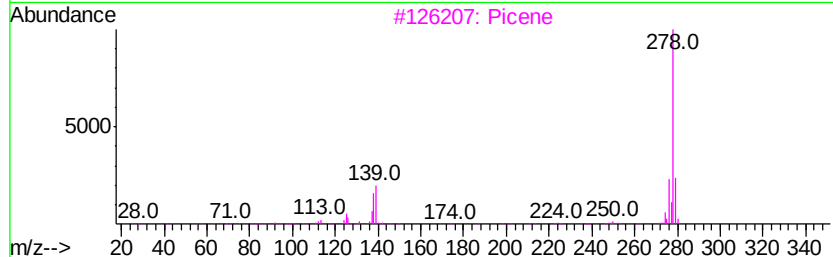
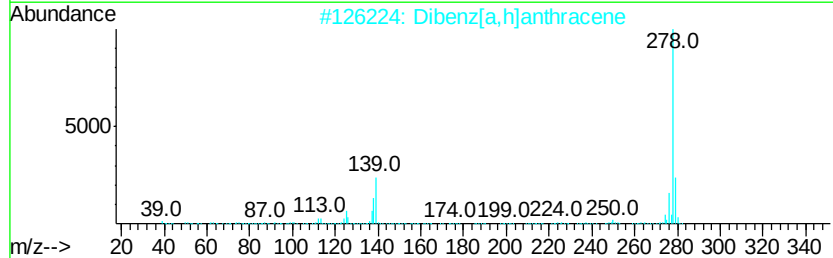
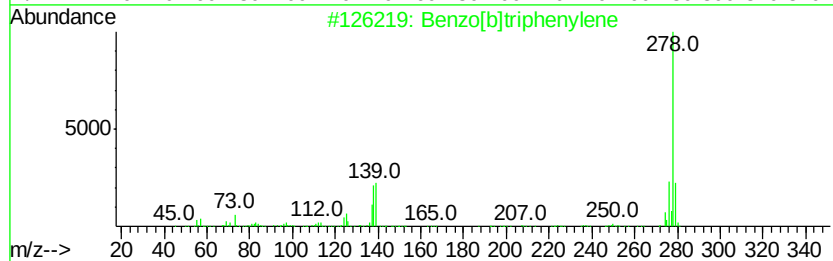
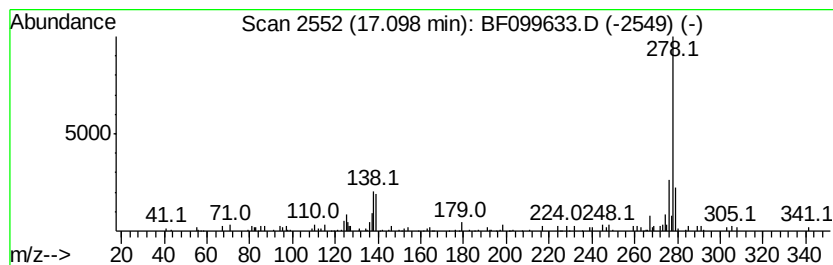
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	3.79 ng	99249	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	92
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
3		Picene	278	C22H14	000213-46-7	90
4		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	81
5		Pentaphene	278	C22H14	000222-93-5	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101817\
 Data File : BF099633.D
 Acq On : 18 Oct 2017 22:38
 Operator : SJ/JU
 Sample : I5951-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 294-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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...	5.05	8.9 ng		264845	1	6.83	591999	20.0
unknown6.60	6.60	52.5 ng		1552620	1	6.83	591999	20.0
Phenanthrene, 2-m...	11.85	5.1 ng		135401	4	11.35	530729	20.0
Phenanthrene, 3-m...	11.88	6.7 ng		178212	4	11.35	530729	20.0
Anthracene, 2-met...	11.93	2.9 ng		77764	4	11.35	530729	20.0
4H-Cyclopenta[def...	11.96	10.6 ng		281667	4	11.35	530729	20.0
1H-Cyclopropa[l]p...	11.99	3.4 ng		89542	4	11.35	530729	20.0
Naphthalene, 2-ph...	12.15	4.0 ng		105006	4	11.35	530729	20.0
Phenanthrene, 2,5...	12.40	5.3 ng		141787	4	11.35	530729	20.0
unknown12.44	12.44	4.2 ng		111054	4	11.35	530729	20.0
Cyclopenta(def)ph...	12.50	5.2 ng		137615	4	11.35	530729	20.0
Pyrene, 1-methyl-	13.00	2.8 ng		256315	5	14.00	1841750	20.0
11H-Benzo[b]fluorene	13.12	3.0 ng		273177	5	14.00	1841750	20.0
Benzo[b]naphtho[2...	13.75	3.2 ng		293260	5	14.00	1841750	20.0
9,10[1',2']-Benze...	14.87	4.8 ng		125818	6	15.46	523931	20.0
Perylene	15.34	23.7 ng		620233	6	15.46	523931	20.0
Benzo[b]triphenylene	17.10	3.8 ng		99249	6	15.46	523931	20.0