

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
 Data File : BF096886.D
 Acq On : 19 Jul 2017 22:48
 Operator : SJ/JU
 Sample : I4276-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP-(0-8)

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-BF071317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.757	467	471	482	rVB	166011	231148	5.87%	0.387%
2	5.193	541	545	549	rBV	2010642	2158940	54.80%	3.613%
3	6.240	718	723	734	rBV	2250232	2551328	64.76%	4.269%
4	6.363	739	744	747	rBV	2086559	2141189	54.35%	3.583%
5	6.587	778	782	786	rBV	751097	615025	15.61%	1.029%
6	6.745	805	809	812	rBV	1816105	1567580	39.79%	2.623%
7	7.151	873	878	881	rBV	1542096	1506578	38.24%	2.521%
8	7.869	996	1000	1002	rBV	991090	973081	24.70%	1.628%
9	7.892	1002	1004	1007	rVV	1356982	1041606	26.44%	1.743%
10	8.228	1057	1061	1066	rBV2	58030	74227	1.88%	0.124%
11	8.581	1117	1121	1125	rVB	340221	301796	7.66%	0.505%
12	8.639	1125	1131	1135	rBV3	45398	64288	1.63%	0.108%
13	8.681	1135	1138	1142	rVB	266469	208065	5.28%	0.348%
14	8.951	1179	1184	1187	rVB	2058518	1873956	47.57%	3.136%
15	9.045	1197	1200	1204	rVB	135260	110699	2.81%	0.185%
16	9.204	1222	1227	1232	rBV2	70941	96698	2.45%	0.162%
17	9.281	1235	1240	1243	rBV	132040	134579	3.42%	0.225%
18	9.310	1243	1245	1247	rVV	77438	64155	1.63%	0.107%
19	9.345	1247	1251	1254	rVV	281731	245914	6.24%	0.411%
20	9.398	1256	1260	1265	rVB2	64554	77339	1.96%	0.129%
21	9.480	1269	1274	1277	rVV	135750	121392	3.08%	0.203%
22	9.622	1292	1298	1300	rBV	824143	811138	20.59%	1.357%
23	9.651	1300	1303	1307	rVV	1044883	855790	21.72%	1.432%
24	9.822	1327	1332	1337	rBV	609948	538857	13.68%	0.902%
25	10.163	1386	1390	1393	rBV	763681	637301	16.18%	1.066%
26	10.251	1403	1405	1407	rVV	107915	85322	2.17%	0.143%
27	10.292	1411	1412	1415	rVV2	82251	72888	1.85%	0.122%
28	10.322	1415	1417	1423	rVB	163279	142031	3.61%	0.238%
29	10.404	1427	1431	1435	rVV	1260423	1246643	31.64%	2.086%
30	10.451	1435	1439	1442	rVB3	42175	54942	1.39%	0.092%
31	10.539	1444	1454	1460	rBV5	74801	163284	4.14%	0.273%
32	10.710	1476	1483	1486	rBV3	94096	153282	3.89%	0.256%
33	10.739	1486	1488	1491	rVV2	54168	56383	1.43%	0.094%
34	10.792	1491	1497	1500	rVB4	41067	72363	1.84%	0.121%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.904	1513	1516	1521	rVB	374150	324021	8.22%	0.542%
36	10.957	1521	1525	1528	rBV2	98715	130264	3.31%	0.218%
37	10.992	1528	1531	1534	rBV	343748	287558	7.30%	0.481%
38	11.098	1543	1549	1551	rBV	630240	829237	21.05%	1.388%
39	11.133	1551	1555	1557	rVV	3333871	3692653	93.73%	6.179%
40	11.175	1557	1562	1565	rVV	1326422	1188100	30.16%	1.988%
41	11.210	1565	1568	1572	rVB	86268	88745	2.25%	0.148%
42	11.310	1582	1585	1586	rBV	139331	137418	3.49%	0.230%
43	11.327	1586	1588	1591	rVB	839171	693223	17.60%	1.160%
44	11.392	1597	1599	1602	rBV2	82581	71657	1.82%	0.120%
45	11.427	1602	1605	1608	rVB4	92752	93391	2.37%	0.156%
46	11.598	1629	1634	1636	rBV	434201	406135	10.31%	0.680%
47	11.627	1636	1639	1641	rVV	614031	509932	12.94%	0.853%
48	11.674	1644	1647	1649	rVV	225320	191544	4.86%	0.321%
49	11.710	1649	1653	1655	rVV	705922	692893	17.59%	1.159%
50	11.733	1655	1657	1660	rVB	241107	190535	4.84%	0.319%
51	11.780	1661	1665	1667	rBV2	111593	148050	3.76%	0.248%
52	11.804	1667	1669	1671	rVB2	67866	52613	1.34%	0.088%
53	11.892	1681	1684	1686	rVV	297070	286625	7.28%	0.480%
54	11.922	1686	1689	1692	rVB	295488	275797	7.00%	0.461%
55	12.045	1705	1710	1713	rBV5	91359	136840	3.47%	0.229%
56	12.074	1713	1715	1717	rVV	91236	72814	1.85%	0.122%
57	12.098	1717	1719	1722	rVB2	76697	64311	1.63%	0.108%
58	12.145	1724	1727	1732	rVV2	156391	244050	6.19%	0.408%
59	12.186	1732	1734	1736	rVV	96971	89184	2.26%	0.149%
60	12.233	1739	1742	1746	rVB	233626	233481	5.93%	0.391%
61	12.316	1750	1756	1759	rBV	3110143	3939610	100.00%	6.592%
62	12.398	1768	1770	1773	rVB	68369	55954	1.42%	0.094%
63	12.451	1774	1779	1782	rBV2	233065	305041	7.74%	0.510%
64	12.480	1782	1784	1788	rVB3	101361	93455	2.37%	0.156%
65	12.545	1788	1795	1799	rBV3	2480919	3680148	93.41%	6.158%
66	12.580	1799	1801	1808	rVB2	181082	192509	4.89%	0.322%
67	12.657	1810	1814	1815	rBV	250362	281877	7.15%	0.472%
68	12.686	1815	1819	1824	rVB2	1330496	1553092	39.42%	2.599%
69	12.733	1824	1827	1829	rBV2	164309	198002	5.03%	0.331%
70	12.757	1829	1831	1833	rVB	120050	105320	2.67%	0.176%
71	12.780	1833	1835	1837	rBV	115631	82156	2.09%	0.137%

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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	12.804	1837	1839	1842	rVB2	168203	133402	3.39%	0.223%
73	12.839	1842	1845	1846	rBV	188800	175948	4.47%	0.294%
74	12.863	1846	1849	1852	rVB	475313	443105	11.25%	0.741%
75	12.898	1852	1855	1857	rBV3	78858	95609	2.43%	0.160%
76	12.927	1857	1860	1863	rBV	311043	292215	7.42%	0.489%
77	12.963	1863	1866	1868	rBV	336402	349386	8.87%	0.585%
78	13.021	1874	1876	1878	rBV	74538	57868	1.47%	0.097%
79	13.057	1880	1882	1885	rVV	162817	129027	3.28%	0.216%
80	13.086	1885	1887	1892	rVB2	176693	187003	4.75%	0.313%
81	13.298	1912	1923	1926	rBV4	271322	690767	17.53%	1.156%
82	13.333	1926	1929	1932	rVV2	320034	375833	9.54%	0.629%
83	13.374	1932	1936	1939	rVB	888746	911107	23.13%	1.525%
84	13.474	1950	1953	1956	rBV	344938	368100	9.34%	0.616%
85	13.504	1956	1958	1960	rVV	297587	290327	7.37%	0.486%
86	13.533	1960	1963	1968	rVV3	379711	584843	14.85%	0.979%
87	13.580	1968	1971	1973	rVV	442495	480061	12.19%	0.803%
88	13.604	1973	1975	1979	rVB	221454	194804	4.94%	0.326%
89	13.727	1990	1996	1999	rBV2	1651437	2490921	63.23%	4.168%
90	13.763	1999	2002	2009	rVB	1466941	1592004	40.41%	2.664%
91	13.833	2011	2014	2018	rVB	344633	340073	8.63%	0.569%
92	14.116	2059	2062	2065	rVB2	418185	452722	11.49%	0.758%
93	14.739	2163	2168	2174	rBV	1007824	2032133	51.58%	3.400%
94	14.827	2180	2183	2186	rVB	218402	217862	5.53%	0.365%
95	14.998	2208	2212	2217	rVB	617610	840840	21.34%	1.407%
96	15.057	2217	2222	2227	rVV	965453	1181131	29.98%	1.976%
97	15.110	2227	2231	2233	rVV	322876	438037	11.12%	0.733%
98	15.133	2233	2235	2242	rVB	378275	437022	11.09%	0.731%
99	16.392	2444	2449	2456	rVB2	376312	723849	18.37%	1.211%
100	16.780	2509	2515	2524	rVB	303766	587647	14.92%	0.983%

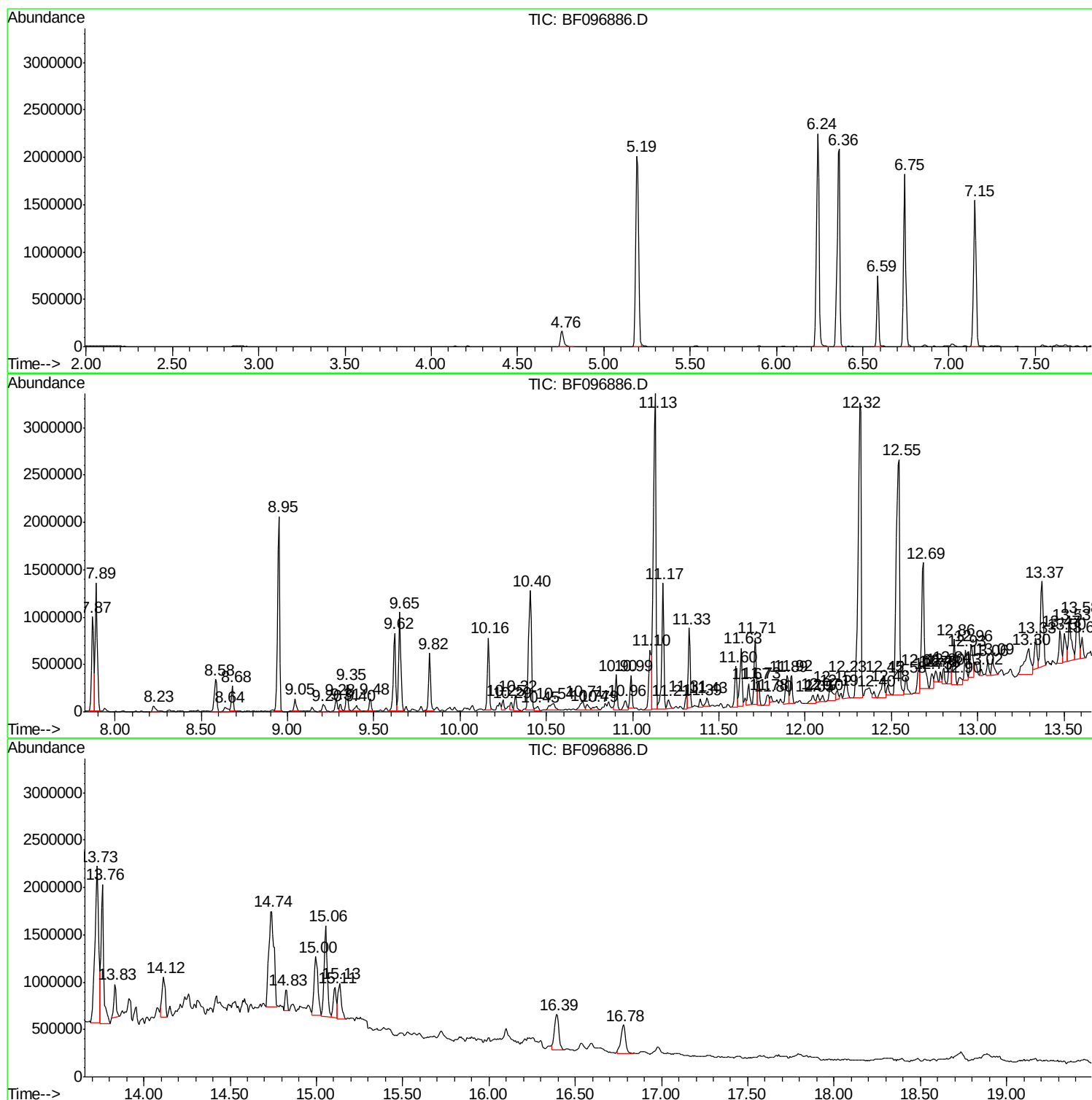
Sum of corrected areas: 59761688

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.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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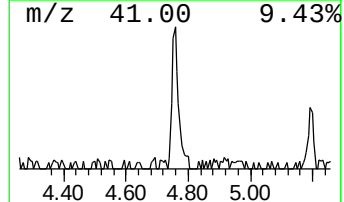
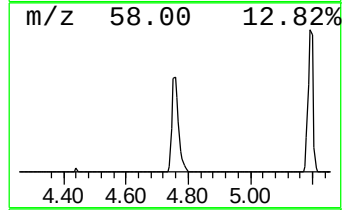
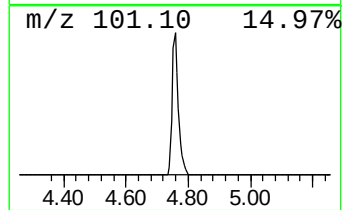
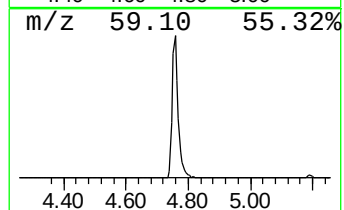
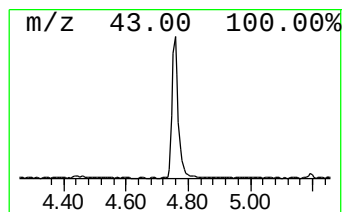
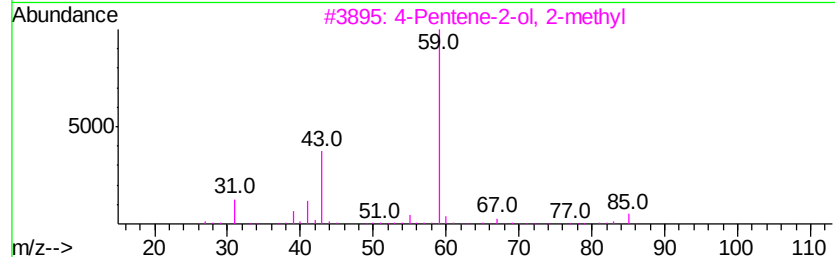
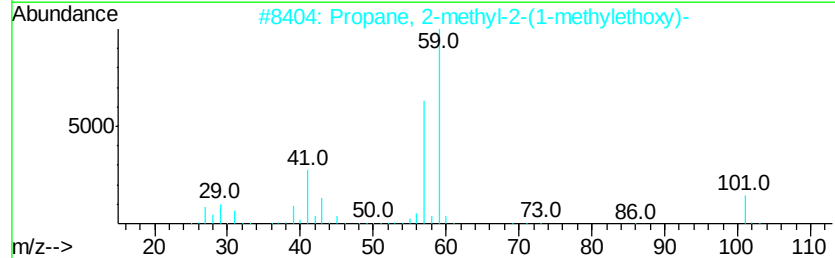
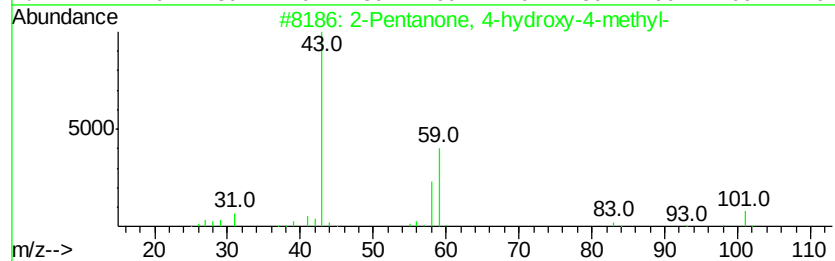
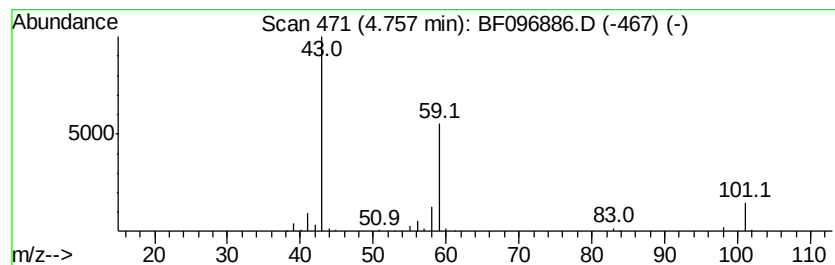
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	7.52 ng	231148	1,4-Dichlorobenzene-d4	6.59

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	36
3			4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	23
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5			Hexanamide	115	C6H13NO	000628-02-4	9



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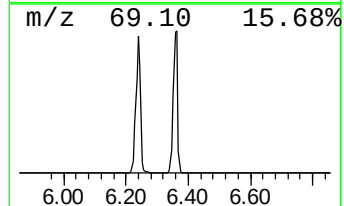
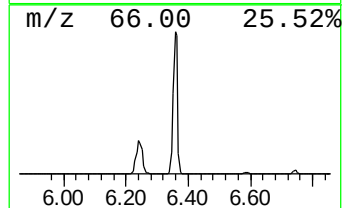
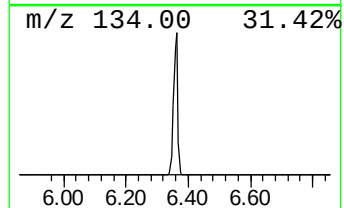
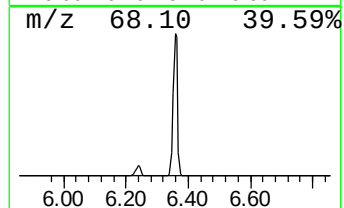
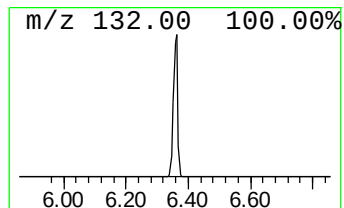
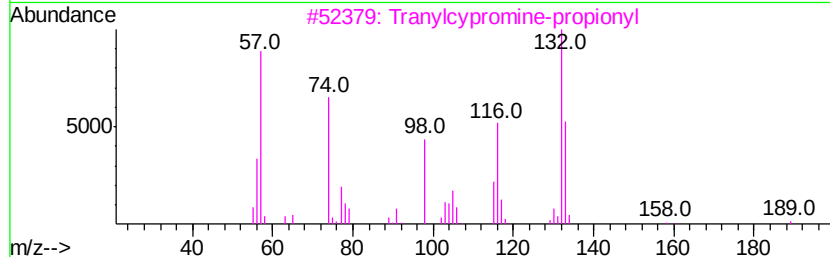
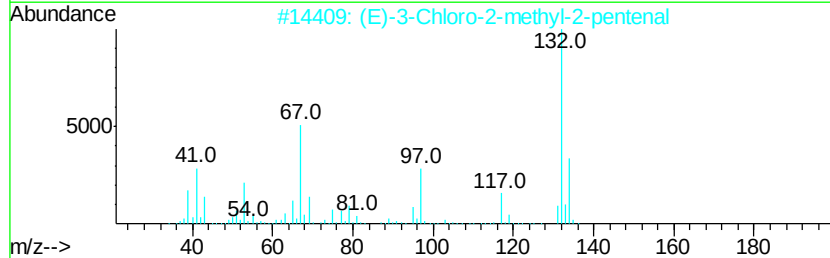
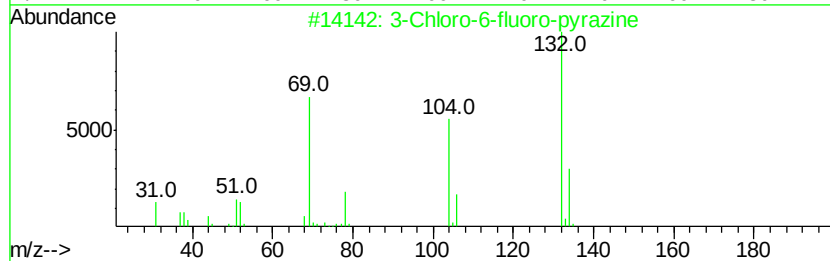
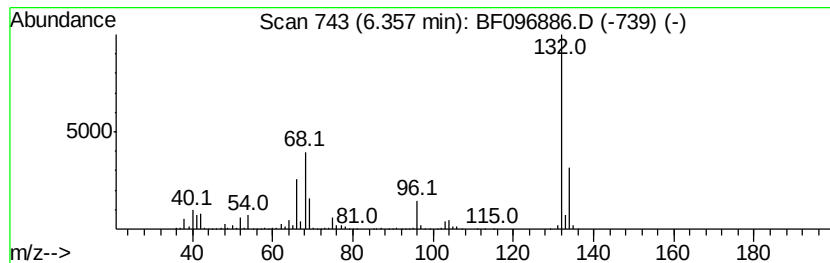
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	69.63 ng	2141190	1,4-Dichlorobenzene-d4	6.59

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	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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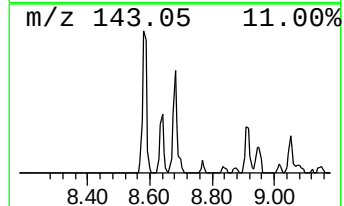
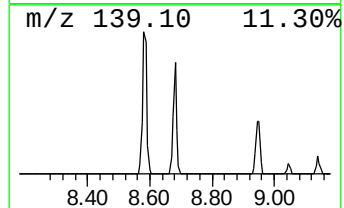
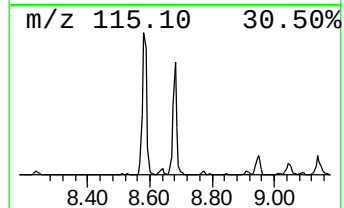
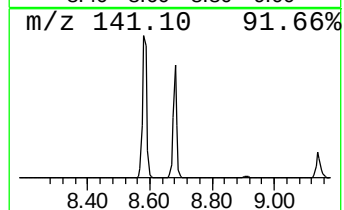
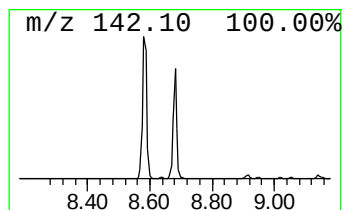
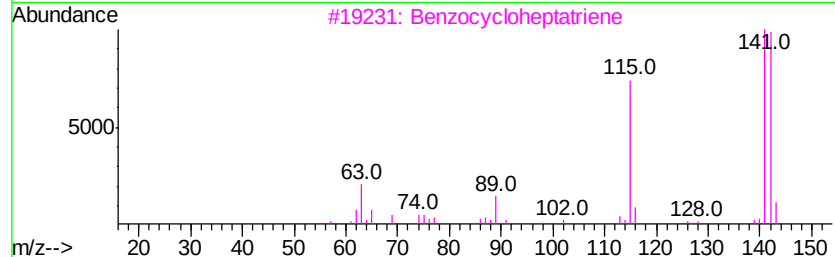
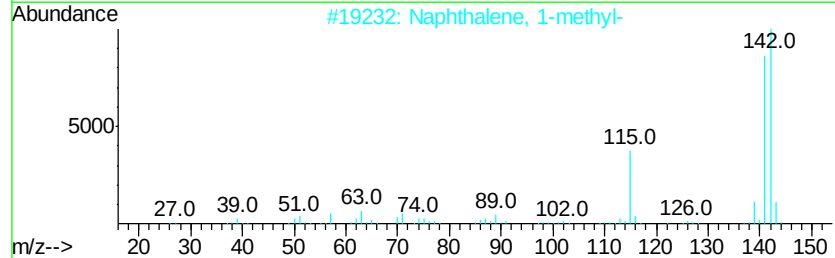
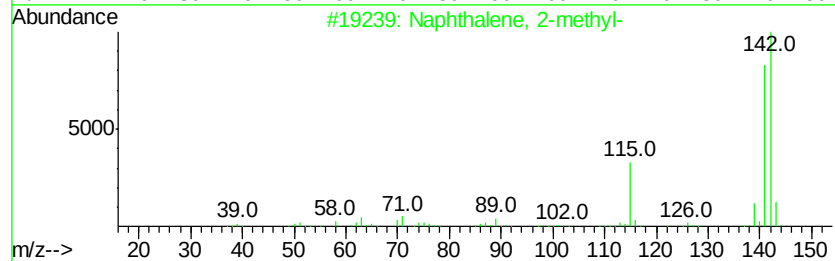
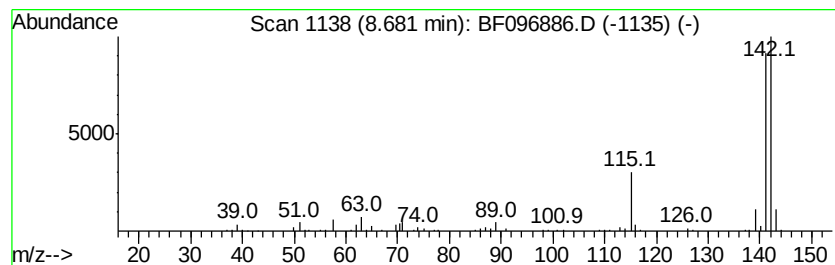
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	4.28 ng	208065	Naphthalene-d8	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87



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Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
Sample : I4276-01
Misc :
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TP-2-COMP-(0-8)

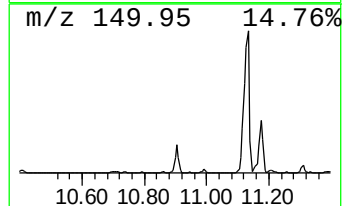
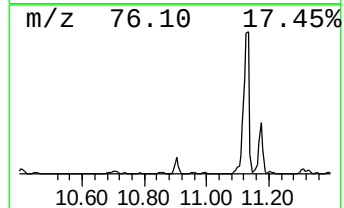
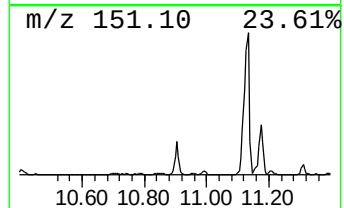
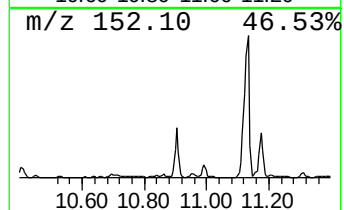
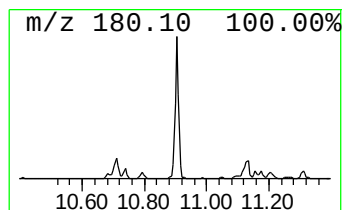
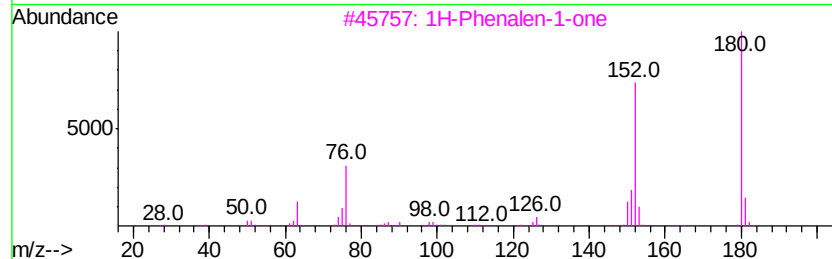
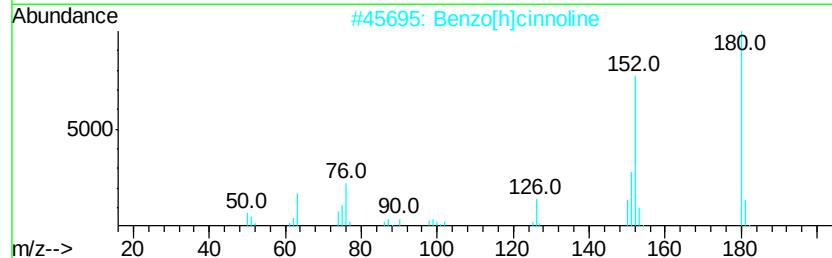
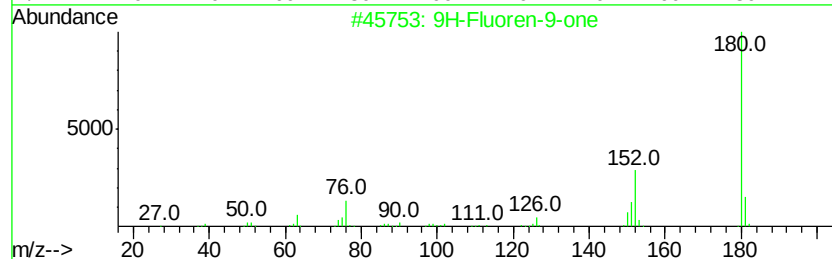
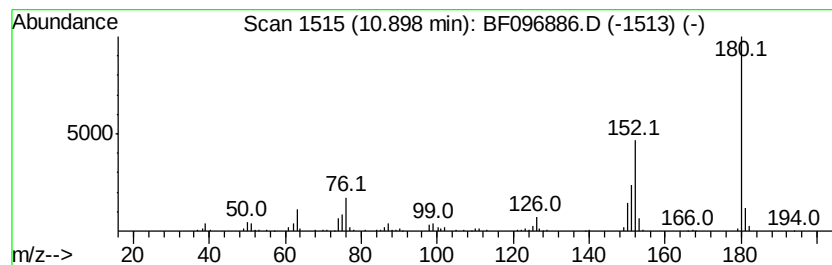
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	7.81 ng	324021	Phenanthrene-d10	11.10

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	45
5		(E)-Stilbene	180	C14H12	000103-30-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
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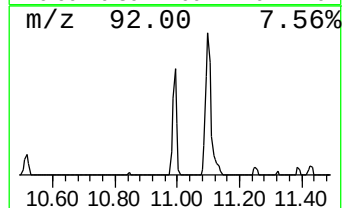
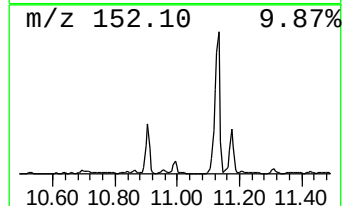
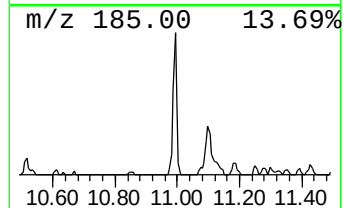
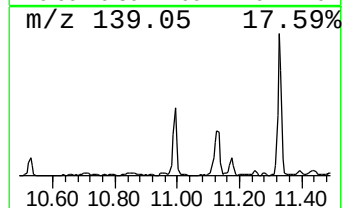
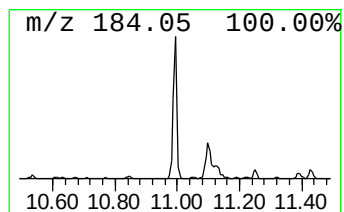
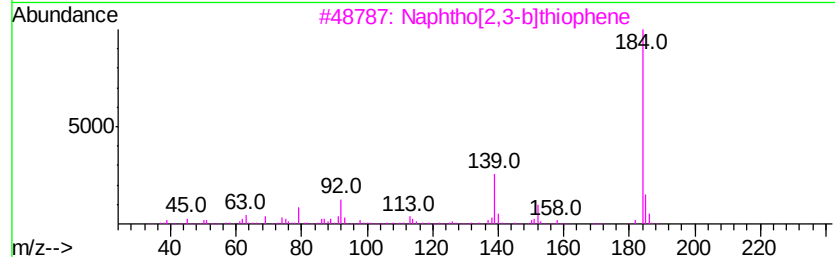
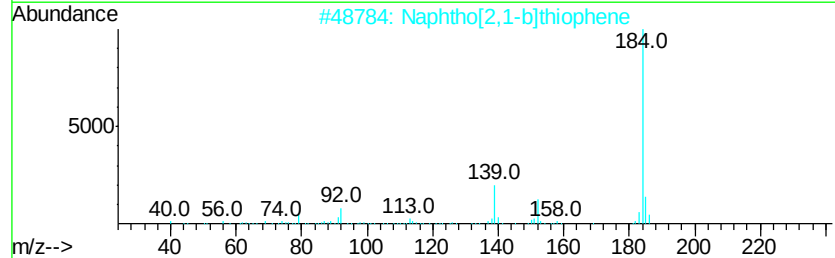
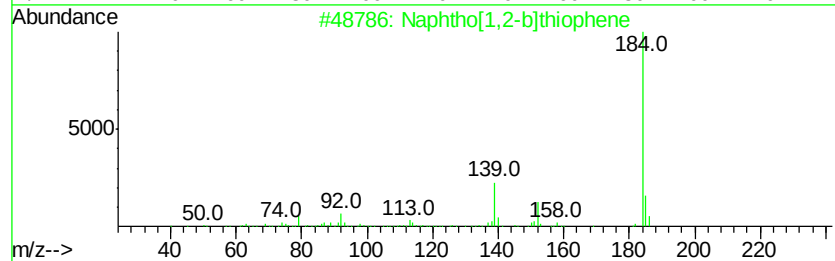
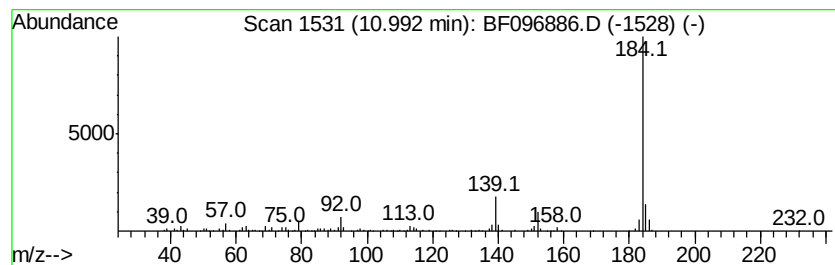
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	6.94 ng	287558	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4		Dibenzothiophene	184	C12H8S	000132-65-0	96
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
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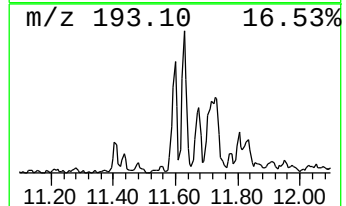
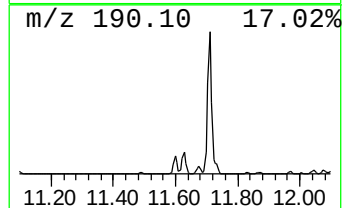
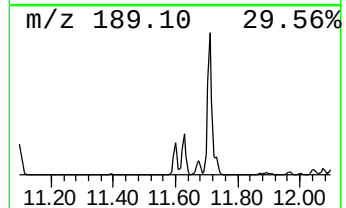
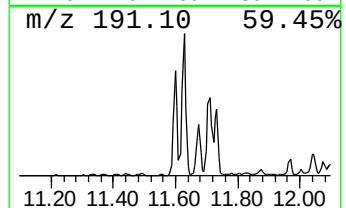
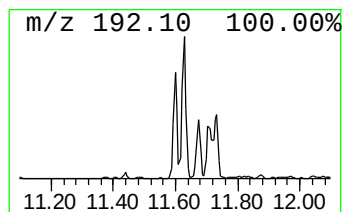
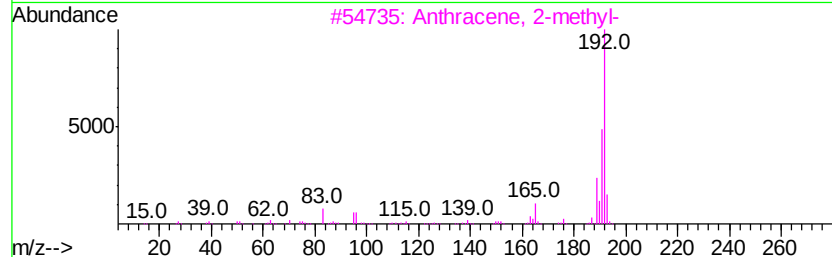
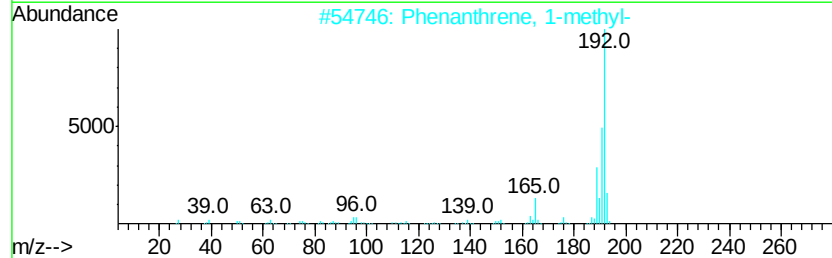
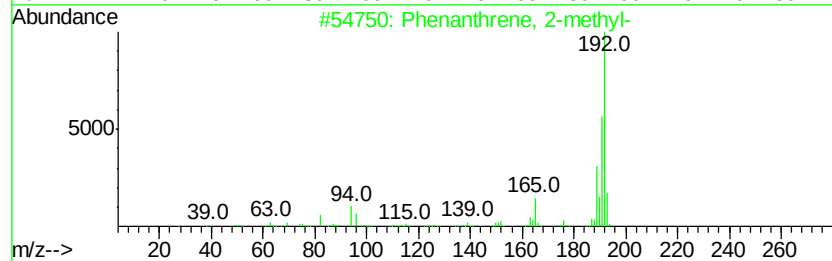
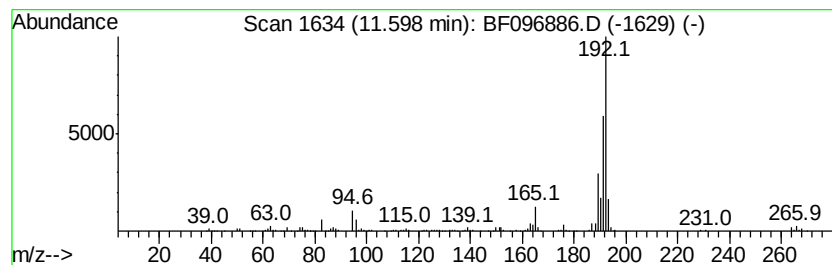
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.60	9.80 ng	406135	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
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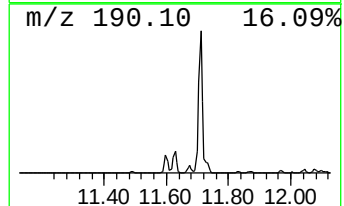
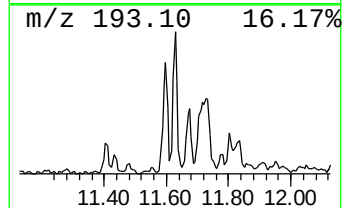
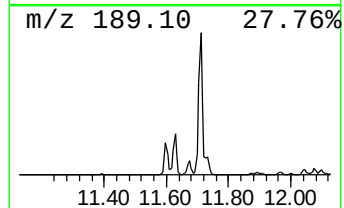
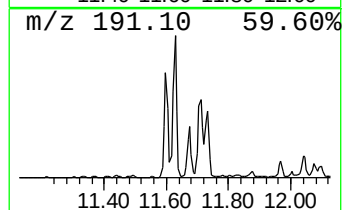
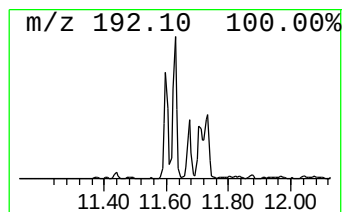
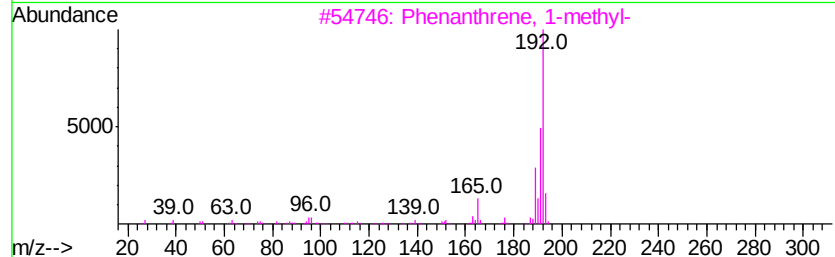
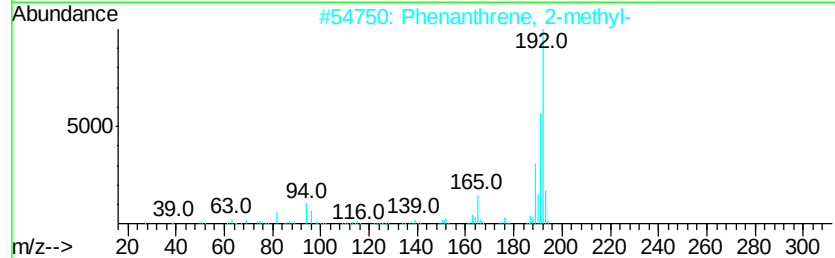
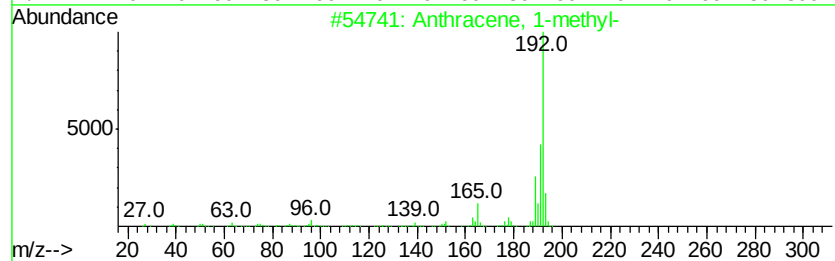
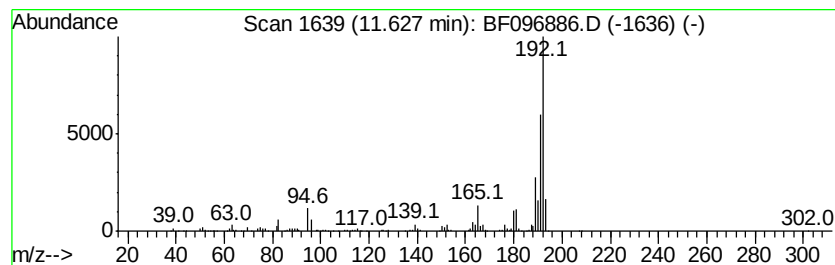
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	12.30 ng	509932	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		5H-Dibenzofa,dlcycloheptene	192	C15H12	000256-81-5	92
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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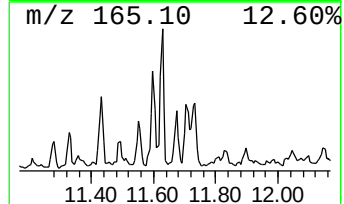
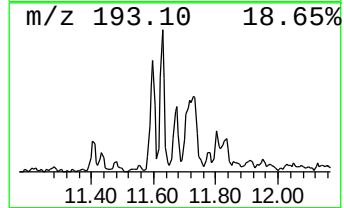
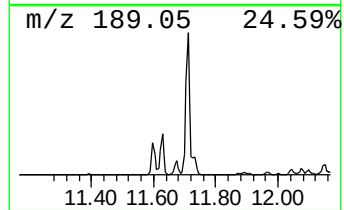
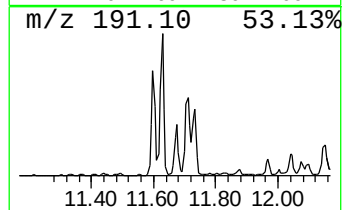
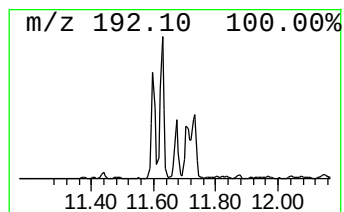
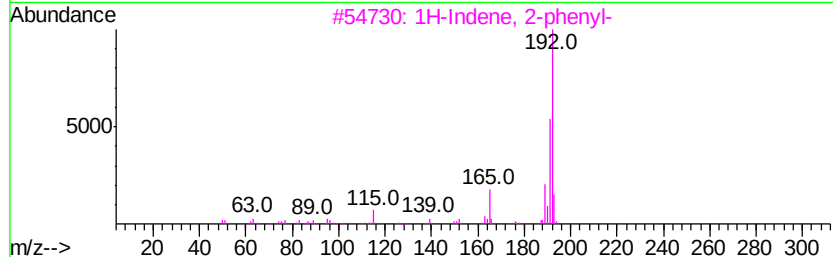
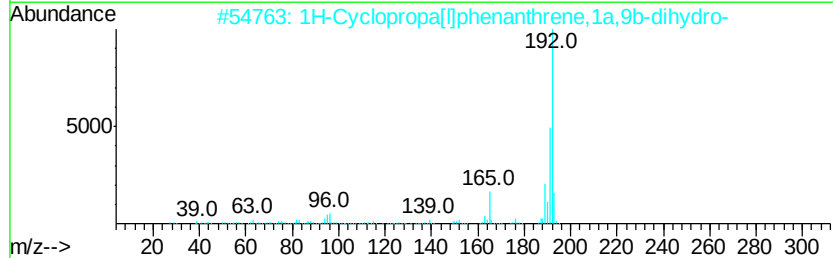
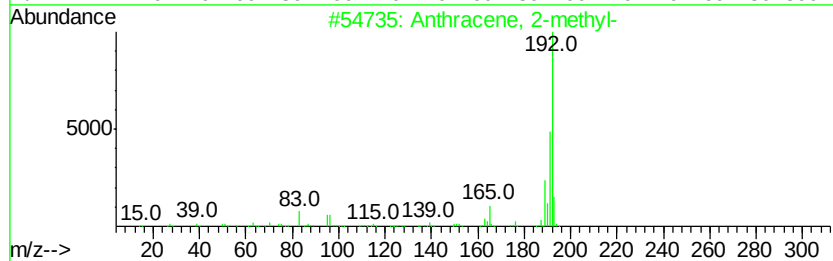
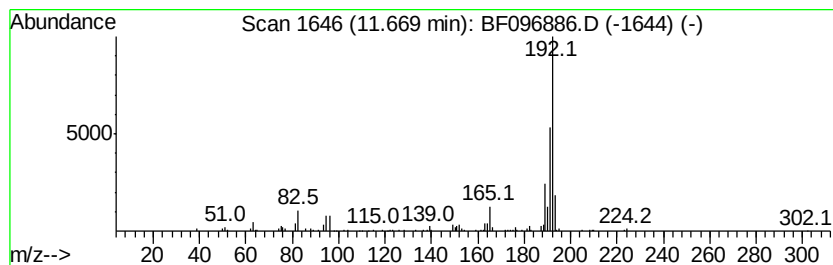
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.67	4.62 ng	191544	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
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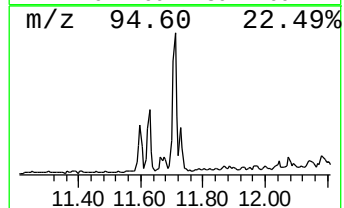
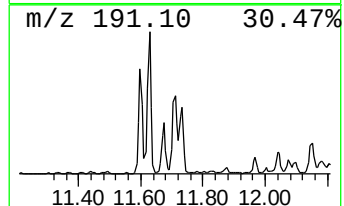
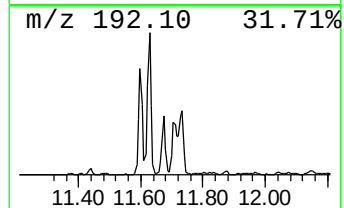
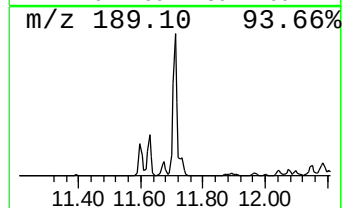
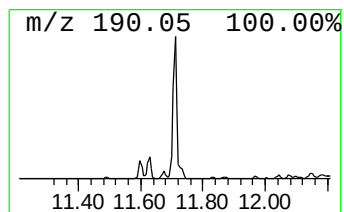
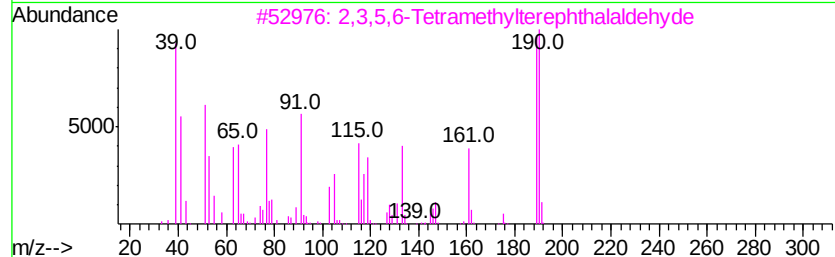
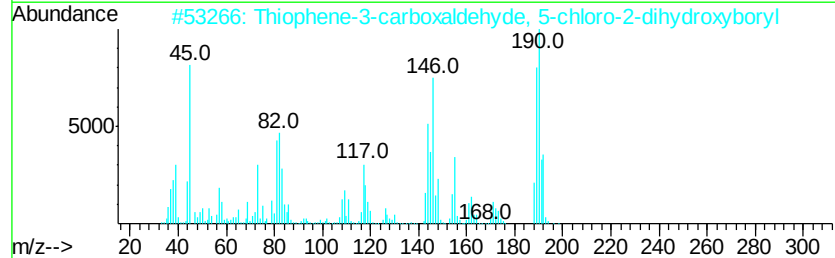
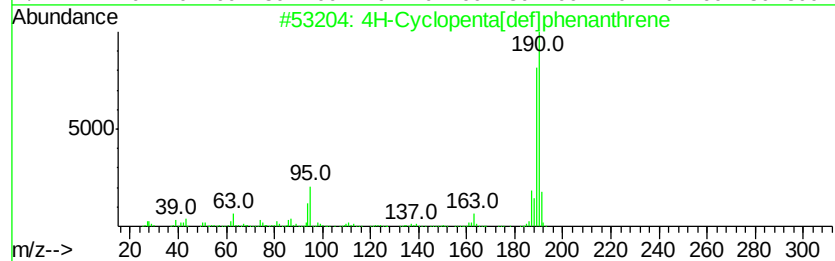
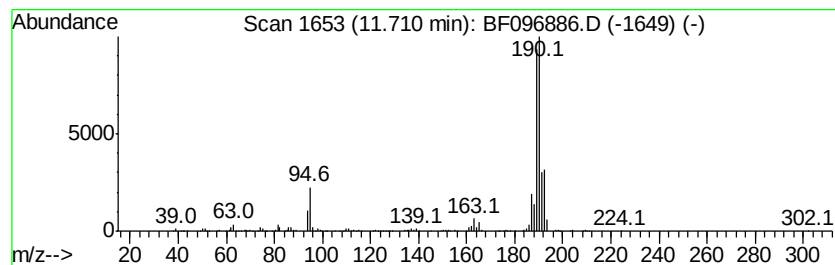
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	16.71 ng	692893	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		Methyl diselenide	190	C2H6Se2	007101-31-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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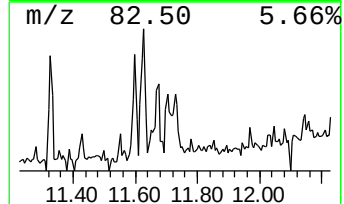
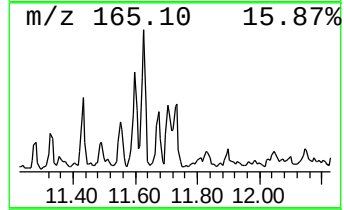
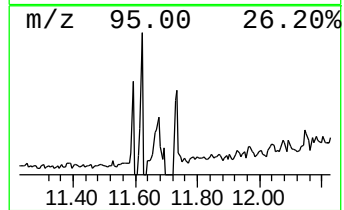
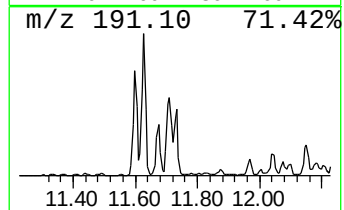
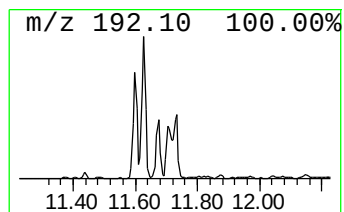
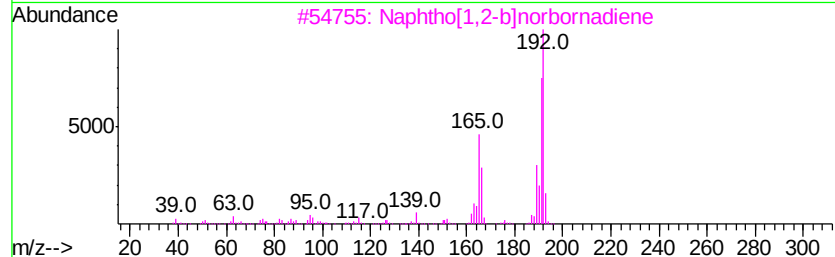
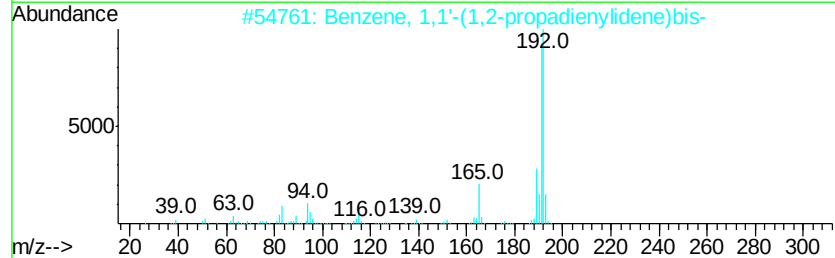
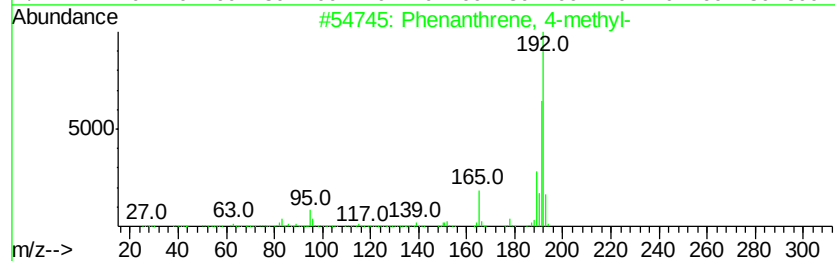
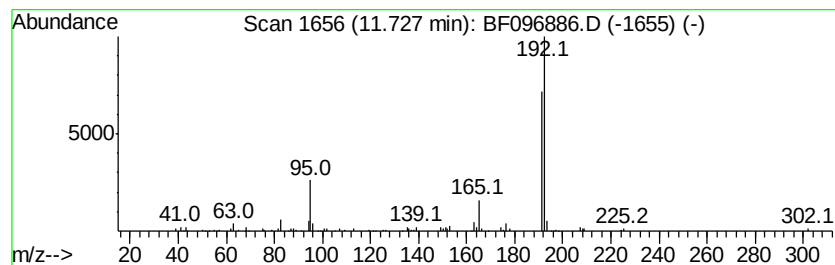
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.73	4.60 ng	190535	Phenanthrene-d10		11.10	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
2		Benzene, 1,1'-(1,2-propadienyldi...	192	C15H12	014251-57-1	72
3		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	64
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
Sample : I4276-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
TP-2-COMP-(0-8)

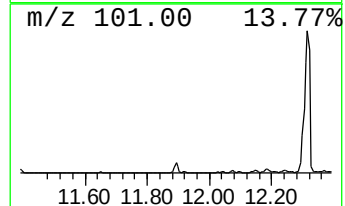
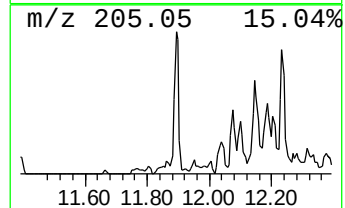
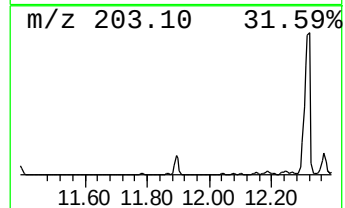
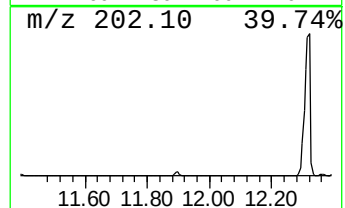
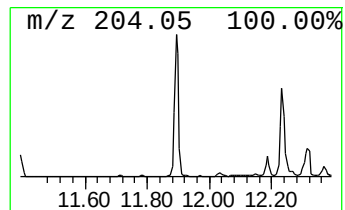
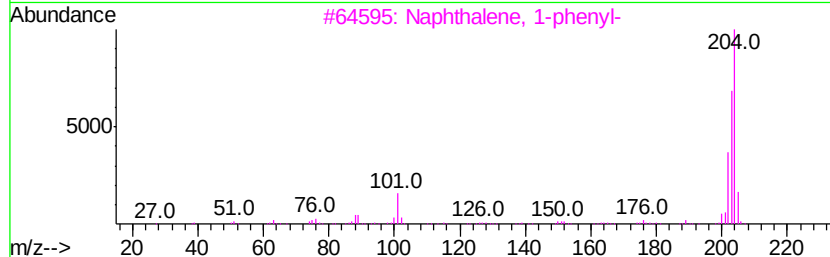
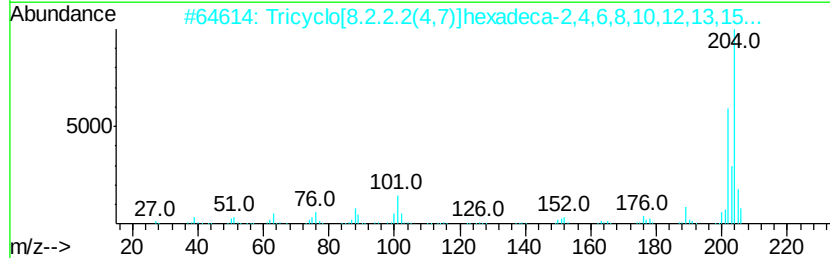
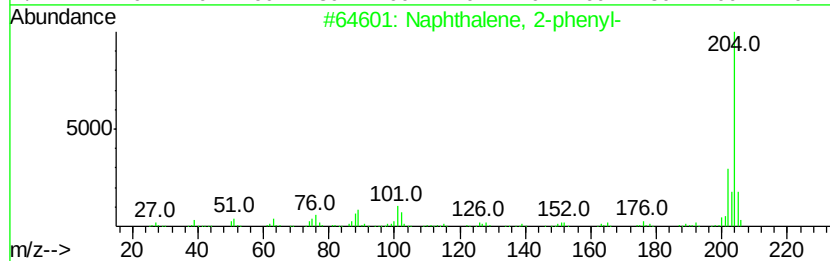
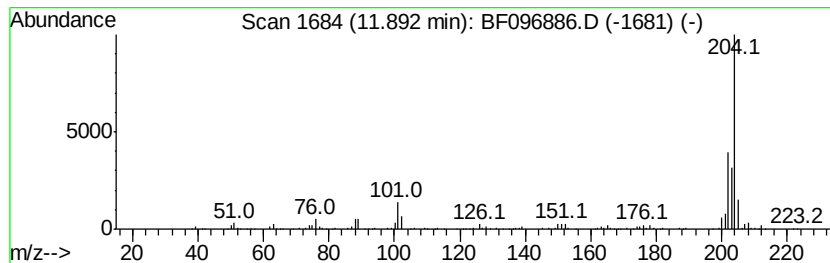
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.91 ng	286625	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	60
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
Sample : I4276-01
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TP-2-COMP-(0-8)

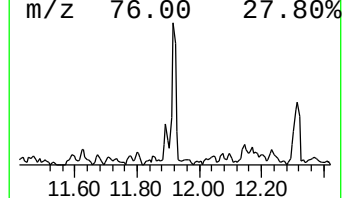
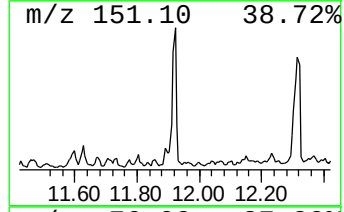
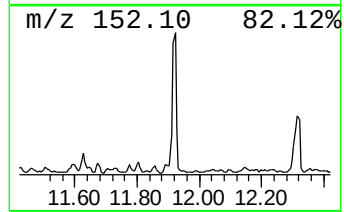
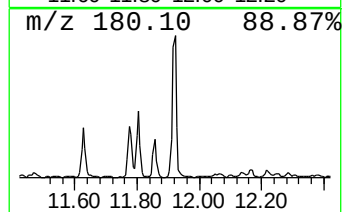
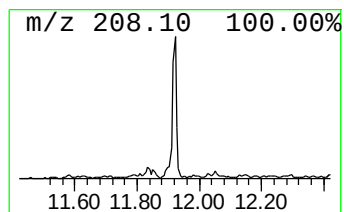
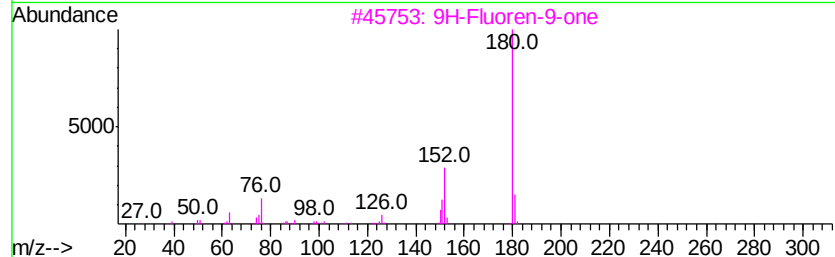
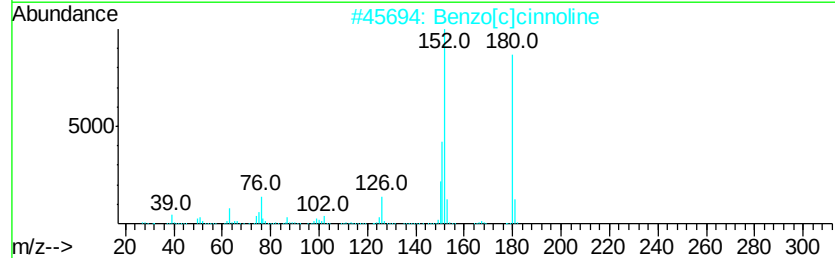
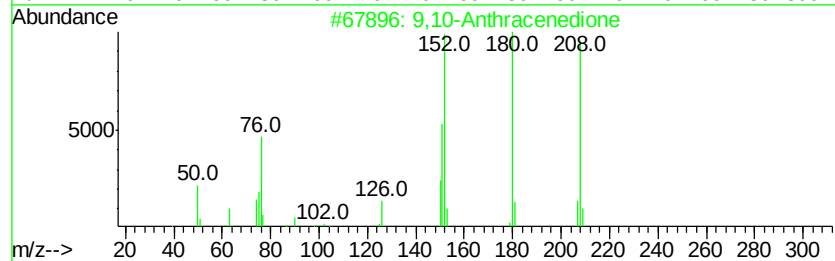
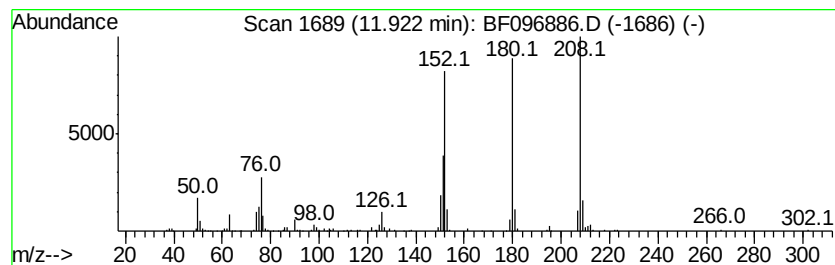
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 13 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	6.65 ng	275797	Phenanthrene-d10	11.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



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Operator : SJ/JU
Sample : I4276-01
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TP-2-COMP-(0-8)

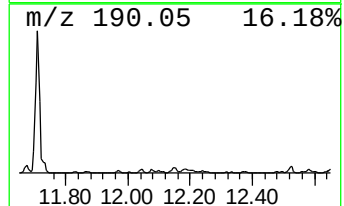
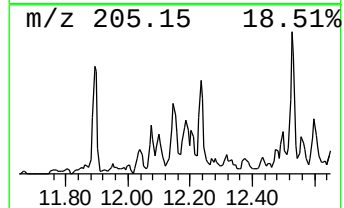
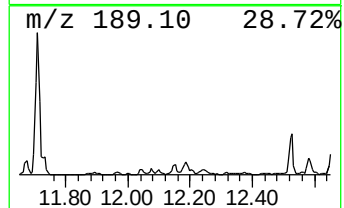
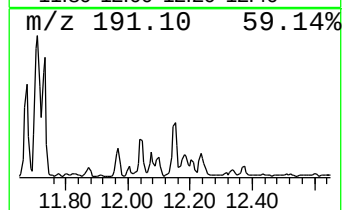
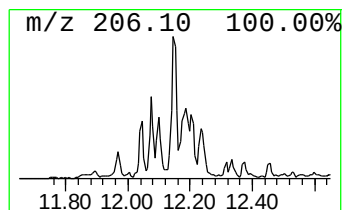
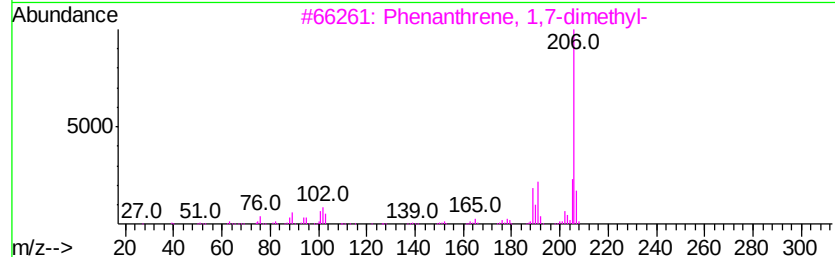
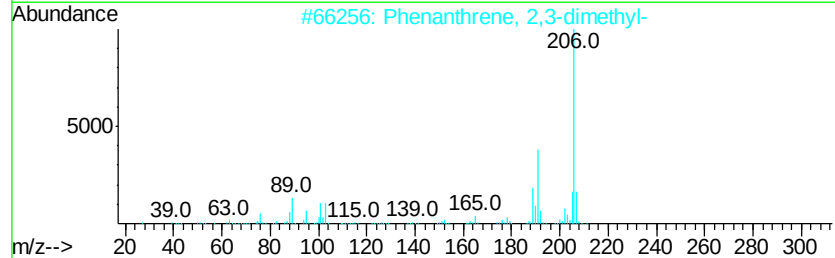
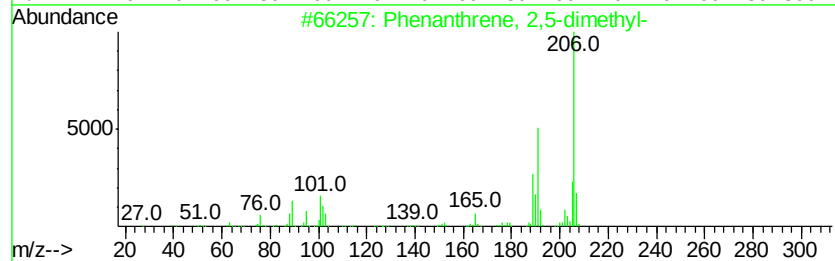
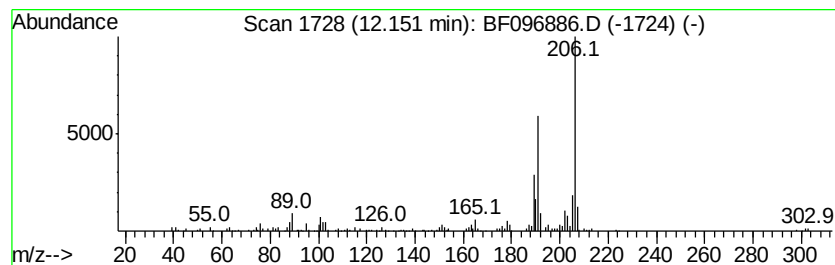
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.89 ng	244050	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
Sample : I4276-01
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ClientSampleId :
TP-2-COMP-(0-8)

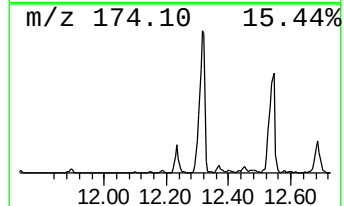
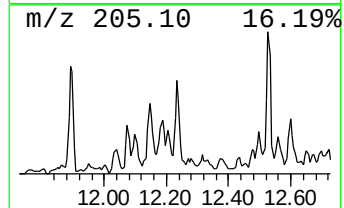
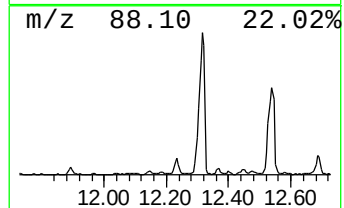
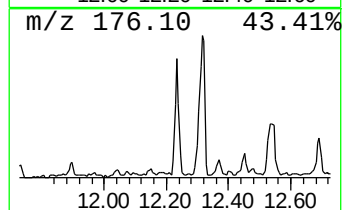
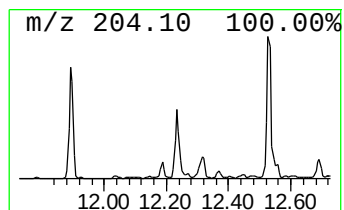
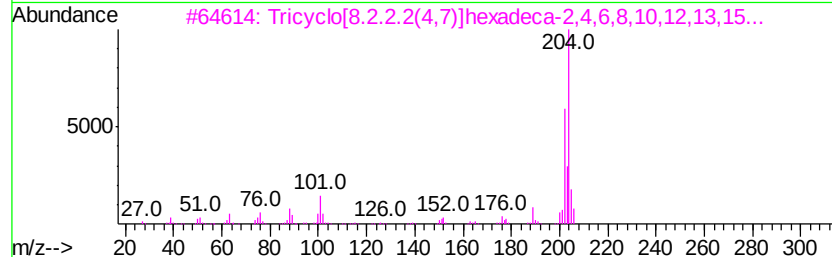
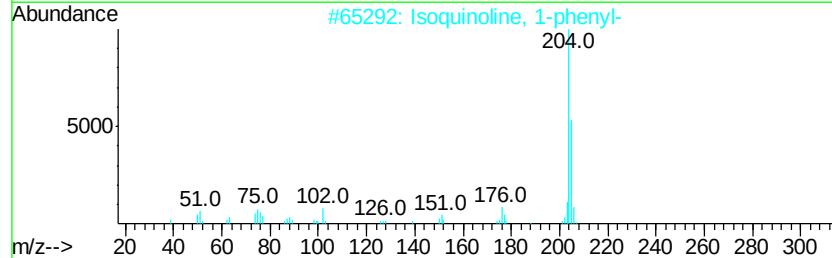
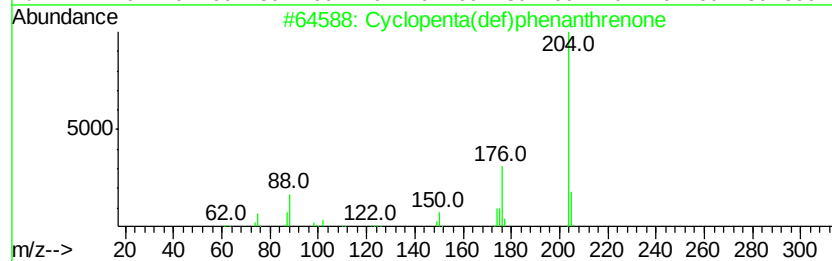
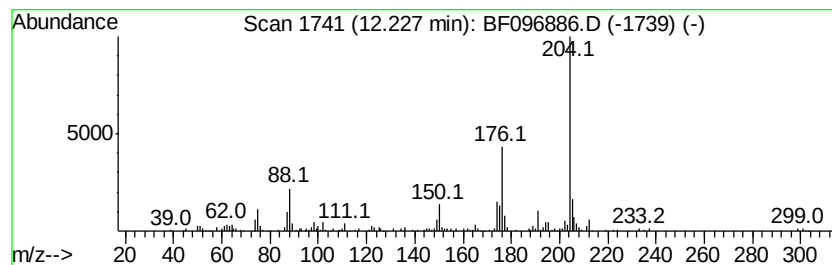
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	5.63 ng	233481	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
4		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
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TP-2-COMP-(0-8)

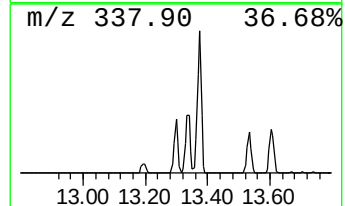
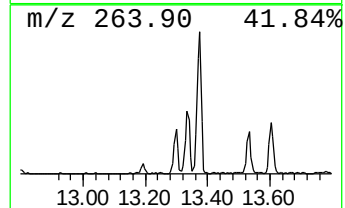
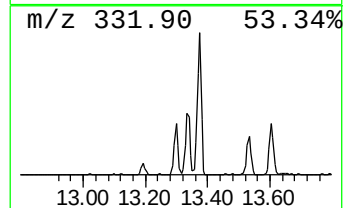
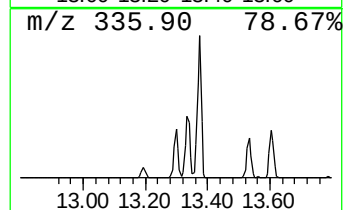
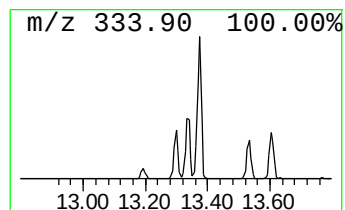
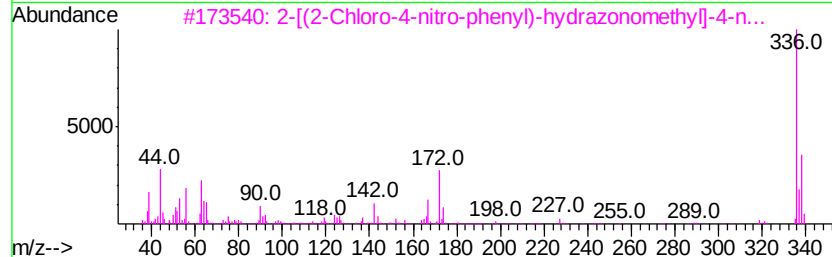
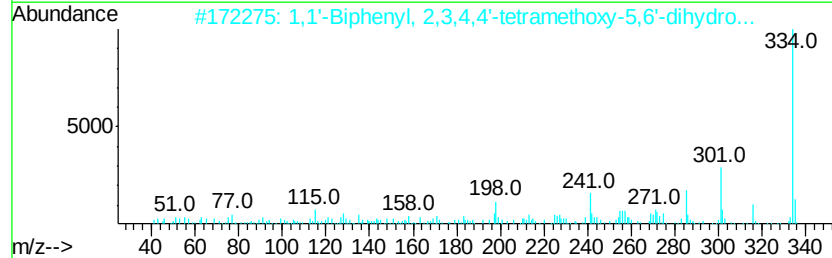
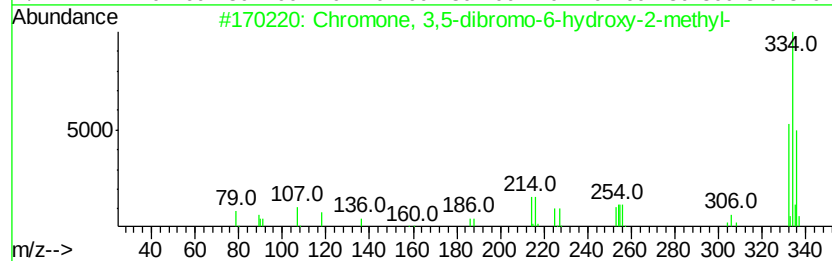
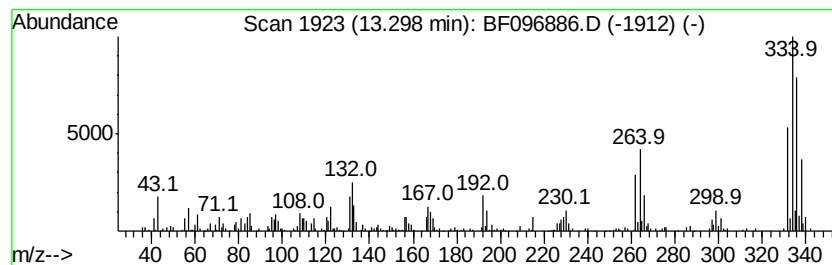
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown13.30 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	5.55 ng	690767	Chrysene-d12	13.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Chromone, 3,5-dibromo-6-hydroxyv-...	332	C10H6Br2O3	030095-77-3	38
2			1,1'-Biphenyl, 2,3,4,4'-tetramet...	334	C18H22O6	123705-85-1	14
3			2-[(2-Chloro-4-nitro-phenyl)-hvd...	336	C13H9ClN4O5	1000294-51-9	14
4			1,1':4',1''-Terphenyl, 2,4,6-tri...	332	C18H11Cl3	057346-61-9	10
5			Indane-1,3-dione, 2-[5-(4-chloro...	334	C20H11ClO3	1000294-04-8	10



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Misc :
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TP-2-COMP-(0-8)

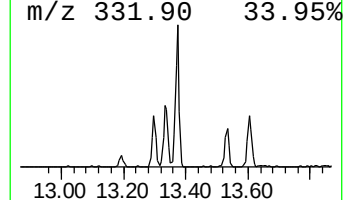
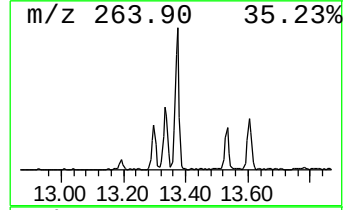
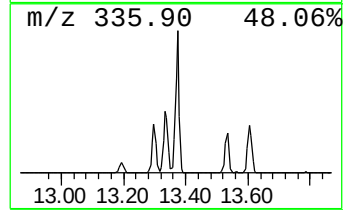
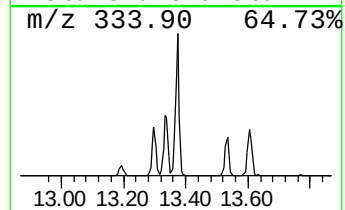
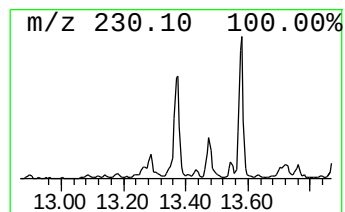
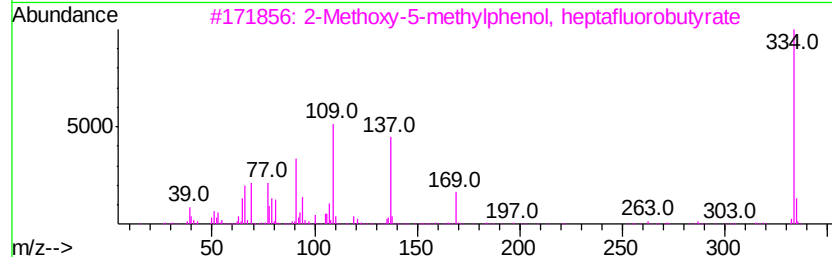
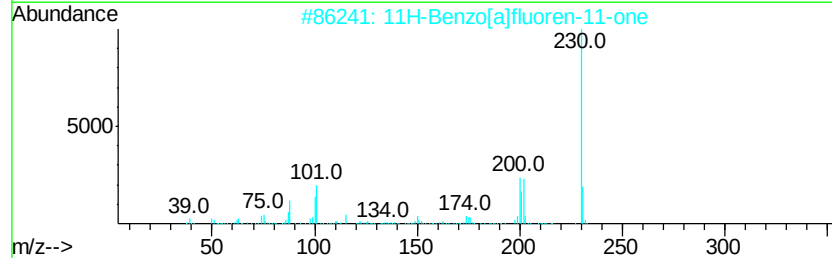
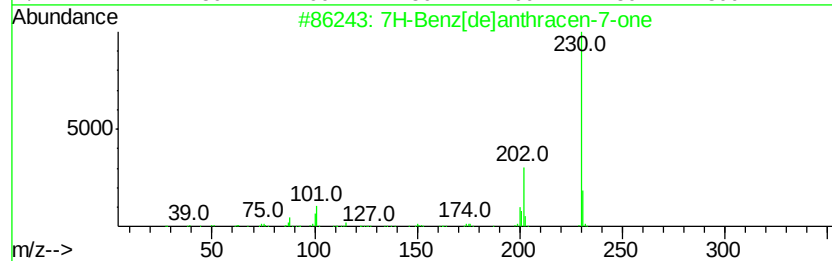
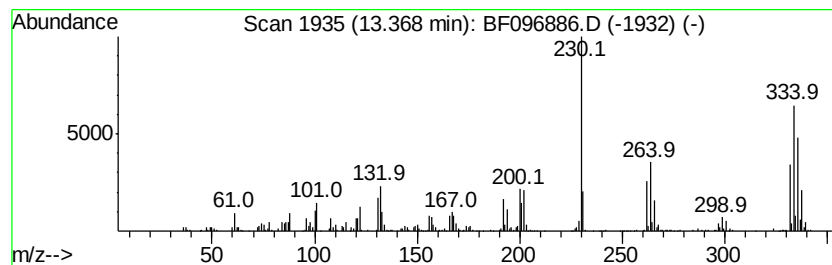
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown13.37 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	7.32 ng	911107	Chrysene-d12	13.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
2		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	42
3		2-Methoxy-5-methylphenol, heptafluorobutyrate	334	C12H9F7O3	1000365-24-3	11
4		1,3,4-Oxadiazole, 2-[3-(4-fluoro...	230	C11H7FN4O	1000338-11-4	11
5		p-Terphenyl	230	C18H14	000092-94-4	10



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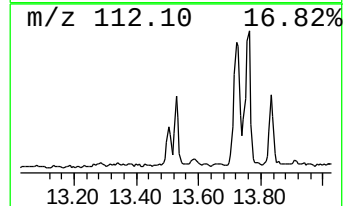
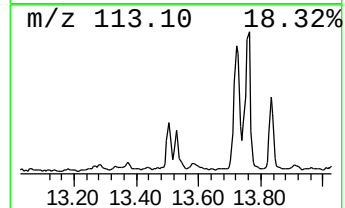
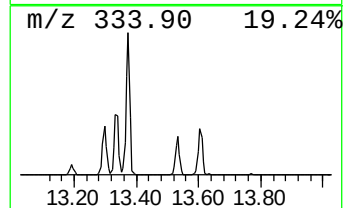
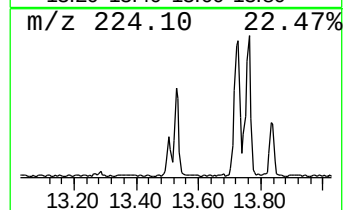
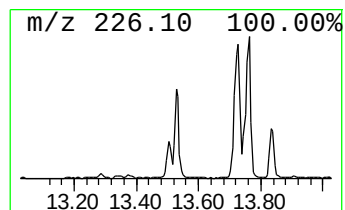
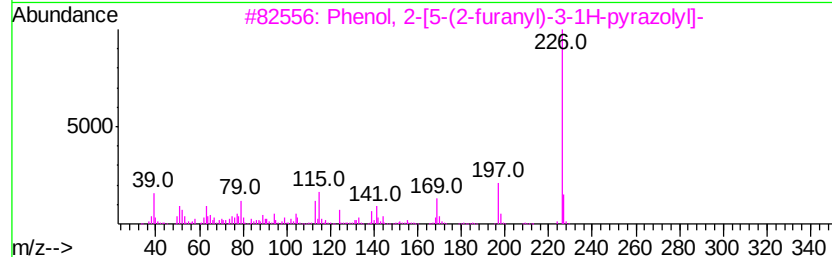
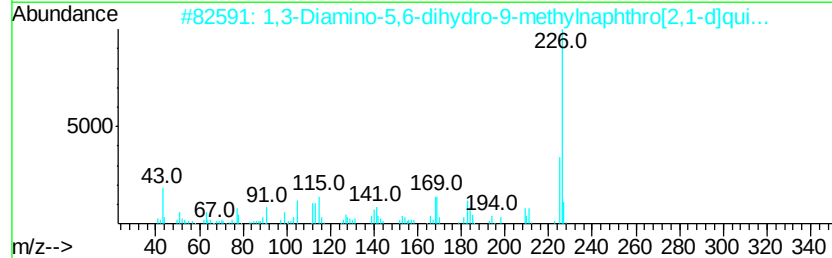
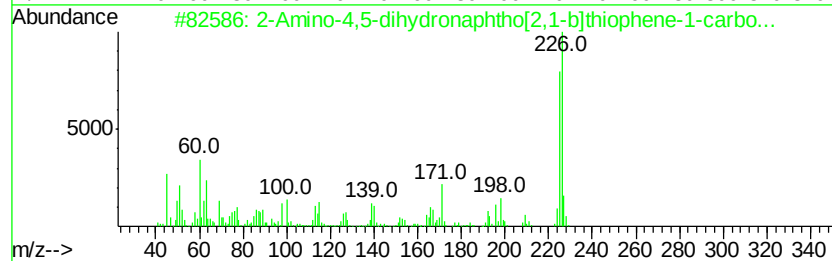
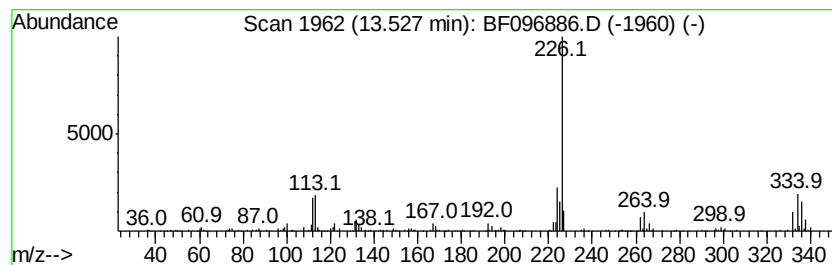
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown13.53 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	4.70 ng	584843	Chrysene-d12	13.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Amino-4,5-dihydronaphtho[2,1-b]thiophene-1-carboxylic acid	226	C13H10N2S	037071-20-8	35
2		1,3-Diamino-5,6-dihydro-9-methyl-2H-pyrazolo[3,4-b]pyridine	226	C13H14N4	037436-39-8	27
3		Phenol, 2-[5-(2-furanyl)-3-1H-pyrazol-4-yl]-	226	C13H10N2O2	038371-84-5	27
4		Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	27
5		1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
Sample : I4276-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)

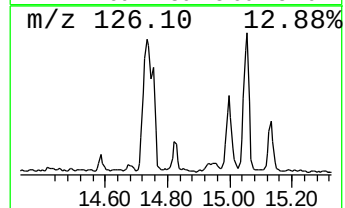
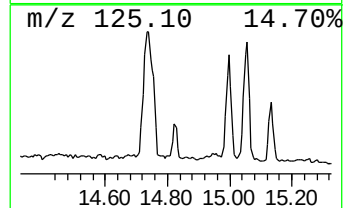
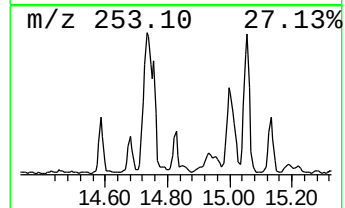
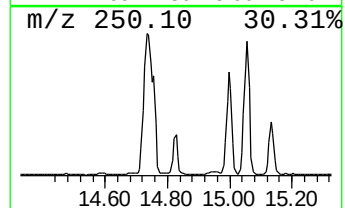
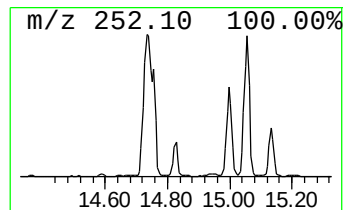
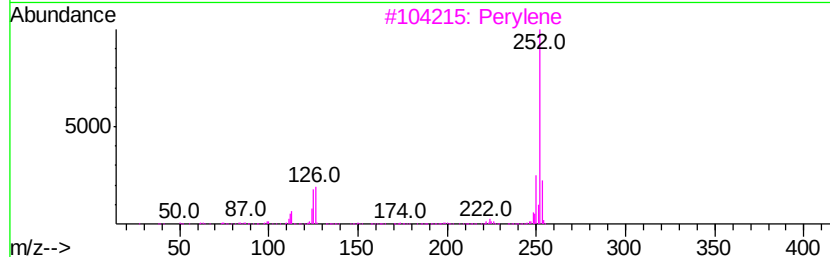
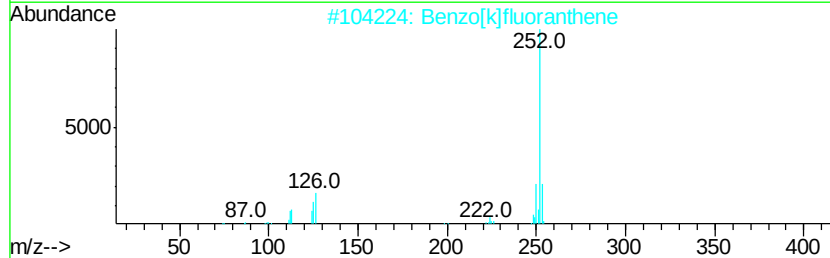
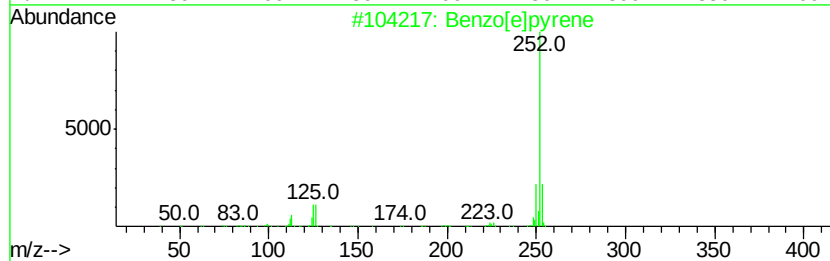
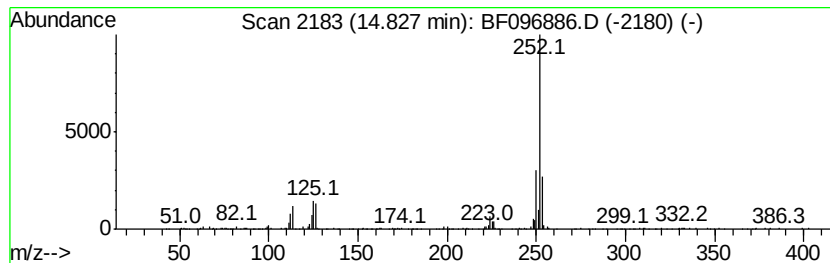
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	9.95 ng	217862	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096886.D
Acq On : 19 Jul 2017 22:48
Operator : SJ/JU
Sample : I4276-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)

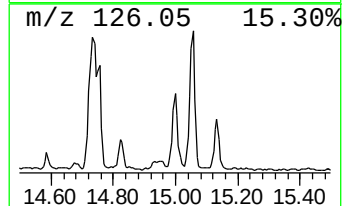
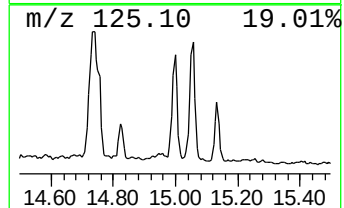
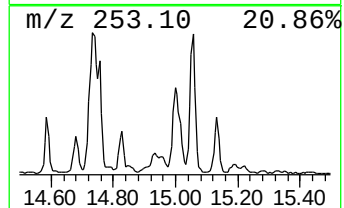
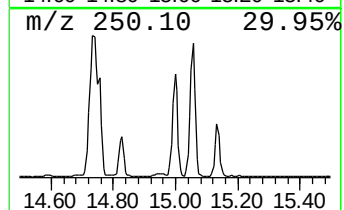
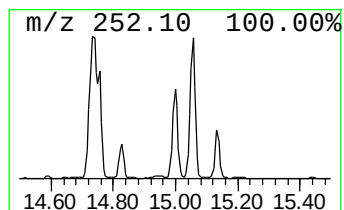
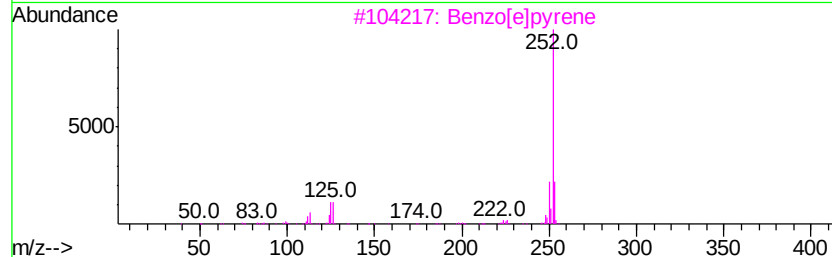
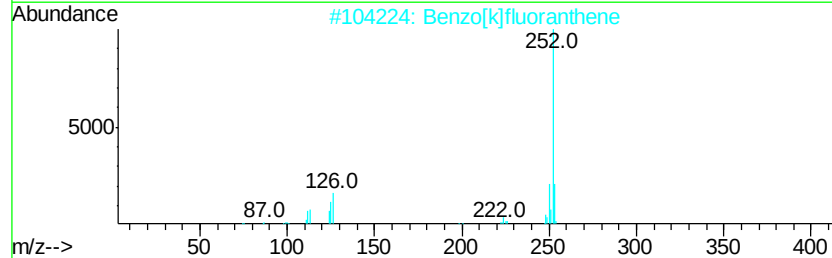
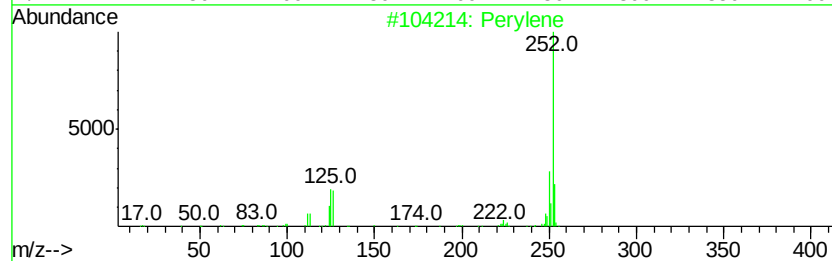
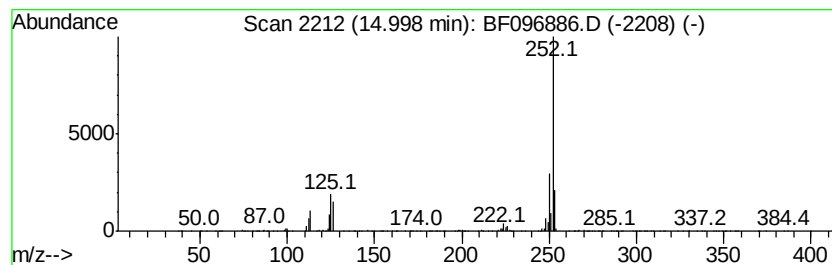
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	38.39 ng	840840	Perylene-d12	15.11

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
 Data File : BF096886.D
 Acq On : 19 Jul 2017 22:48
 Operator : SJ/JU
 Sample : I4276-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP-(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.76	7.5 ng		231148	1	6.59	615025	20.0
unknown6.36	6.36	69.6 ng		2141190	1	6.59	615025	20.0
Naphthalene, 1-me...	8.68	4.3 ng		208065	2	7.87	973081	20.0
9H-Fluoren-9-one	10.90	7.8 ng		324021	4	11.10	829237	20.0
Naphtho[1,2-b]thi...	10.99	6.9 ng		287558	4	11.10	829237	20.0
Phenanthrene, 2-m...	11.60	9.8 ng		406135	4	11.10	829237	20.0
Anthracene, 1-met...	11.63	12.3 ng		509932	4	11.10	829237	20.0
Anthracene, 2-met...	11.67	4.6 ng		191544	4	11.10	829237	20.0
4H-Cyclopenta[def...	11.71	16.7 ng		692893	4	11.10	829237	20.0
Phenanthrene, 4-m...	11.73	4.6 ng		190535	4	11.10	829237	20.0
Naphthalene, 2-ph...	11.89	6.9 ng		286625	4	11.10	829237	20.0
9,10-Anthracenedione	11.92	6.7 ng		275797	4	11.10	829237	20.0
Phenanthrene, 2,5...	12.15	5.9 ng		244050	4	11.10	829237	20.0
Cyclopenta(def)ph...	12.23	5.6 ng		233481	4	11.10	829237	20.0
unknown13.30	13.30	5.5 ng		690767	5	13.73	2490920	20.0
unknown13.37	13.37	7.3 ng		911107	5	13.73	2490920	20.0
unknown13.53	13.53	4.7 ng		584843	5	13.73	2490920	20.0
Benzo[e]pyrene	14.83	9.9 ng		217862	6	15.11	438037	20.0
Perylene	15.00	38.4 ng		840840	6	15.11	438037	20.0