

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103019\
 Data File : BF117630.D
 Acq On : 30 Oct 2019 17:46
 Operator : JU
 Sample : K5542-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 199-48-(0-1.2)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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	4.916	478	481	492	rBV	75798	110188	9.72%	0.646%
2	5.357	552	556	578	rBV	469933	667858	58.90%	3.913%
3	6.387	727	731	747	rBV	568230	763040	67.30%	4.471%
4	6.504	747	751	763	rVB	827366	798436	70.42%	4.678%
5	6.728	786	789	800	rBV	233167	213619	18.84%	1.252%
6	6.881	812	815	825	rBV	631455	571453	50.40%	3.348%
7	7.293	882	885	903	rBV	324721	436188	38.47%	2.556%
8	8.010	1004	1007	1028	rBV	233069	298016	26.28%	1.746%
9	9.081	1186	1189	1201	rBV	918086	808734	71.33%	4.738%
10	9.481	1254	1257	1264	rVB	92560	86066	7.59%	0.504%
11	9.763	1301	1305	1308	rBV	314900	298972	26.37%	1.752%
12	9.792	1308	1310	1319	rVB	125415	115358	10.17%	0.676%
13	9.969	1337	1340	1345	rBV	59025	64064	5.65%	0.375%
14	10.310	1395	1398	1405	rBV	136725	139070	12.27%	0.815%
15	10.469	1423	1425	1429	rVB	22593	18540	1.64%	0.109%
16	10.557	1436	1440	1454	rBV2	381281	423715	37.37%	2.482%
17	10.863	1485	1492	1494	rBV	21053	23432	2.07%	0.137%
18	11.069	1524	1527	1530	rBV	17124	14766	1.30%	0.087%
19	11.104	1530	1533	1537	rVV3	11711	13721	1.21%	0.080%
20	11.145	1537	1540	1547	rVB	56079	52848	4.66%	0.310%
21	11.251	1554	1558	1559	rBV	286548	259355	22.87%	1.520%
22	11.275	1559	1562	1567	rVV	1203955	1088943	96.04%	6.380%
23	11.328	1567	1571	1577	rVV	331955	330125	29.12%	1.934%
24	11.375	1577	1579	1583	rVB2	14863	15802	1.39%	0.093%
25	11.492	1594	1599	1604	rBV2	93445	110274	9.73%	0.646%
26	11.751	1640	1643	1645	rBV	85530	71160	6.28%	0.417%
27	11.780	1645	1648	1654	rVV2	142211	157542	13.89%	0.923%
28	11.828	1654	1656	1659	rVV	45542	47119	4.16%	0.276%
29	11.863	1659	1662	1665	rVV	170623	182521	16.10%	1.069%
30	11.886	1665	1666	1673	rVB	51528	38258	3.37%	0.224%
31	12.045	1690	1693	1697	rVB	65176	56048	4.94%	0.328%
32	12.092	1697	1701	1704	rBV2	34544	35914	3.17%	0.210%
33	12.298	1733	1736	1739	rBV	32036	34853	3.07%	0.204%
34	12.327	1739	1741	1745	rVV2	31611	37689	3.32%	0.221%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.404	1748	1754	1758	rVB2	27016	35368	3.12%	0.207%
36	12.469	1761	1765	1768	rBV	1261622	1133823	100.00%	6.643%
37	12.533	1773	1776	1779	rVB2	16378	17152	1.51%	0.100%
38	12.563	1779	1781	1787	rVB3	11215	13813	1.22%	0.081%
39	12.616	1787	1790	1793	rBV	54949	47931	4.23%	0.281%
40	12.698	1797	1804	1807	rBV	1018593	1081276	95.37%	6.335%
41	12.745	1810	1812	1817	rVB2	38937	39051	3.44%	0.229%
42	12.827	1820	1826	1830	rBV	738093	724548	63.90%	4.245%
43	12.863	1830	1832	1836	rVB	45585	46828	4.13%	0.274%
44	12.910	1836	1840	1845	rBV3	40924	70441	6.21%	0.413%
45	12.951	1845	1847	1851	rVB	21465	22721	2.00%	0.133%
46	12.998	1851	1855	1857	rBV3	38729	52165	4.60%	0.306%
47	13.027	1857	1860	1862	rVB	118782	108934	9.61%	0.638%
48	13.051	1862	1864	1868	rBV2	30002	25500	2.25%	0.149%
49	13.092	1868	1871	1873	rVB	108828	99703	8.79%	0.584%
50	13.127	1873	1877	1882	rBV3	61315	81168	7.16%	0.476%
51	13.222	1890	1893	1896	rBV	29735	32212	2.84%	0.189%
52	13.251	1896	1898	1904	rBV2	31624	45842	4.04%	0.269%
53	13.398	1919	1923	1926	rBV2	24471	26205	2.31%	0.154%
54	13.427	1926	1928	1930	rBV3	11739	12491	1.10%	0.073%
55	13.516	1938	1943	1945	rBV2	139610	136660	12.05%	0.801%
56	13.545	1945	1948	1954	rVB	39198	49441	4.36%	0.290%
57	13.645	1960	1965	1967	rBV	75634	84603	7.46%	0.496%
58	13.669	1967	1969	1971	rVB	56065	46793	4.13%	0.274%
59	13.698	1971	1974	1976	rBV	58495	60854	5.37%	0.357%
60	13.727	1976	1979	1982	rBV3	84462	109919	9.69%	0.644%
61	13.816	1989	1994	1997	rBV	22513	24970	2.20%	0.146%
62	13.886	1997	2006	2010	rBV2	538896	861789	76.01%	5.049%
63	13.922	2010	2012	2019	rVV	414538	402448	35.49%	2.358%
64	13.980	2019	2022	2023	rVV3	20741	22488	1.98%	0.132%
65	14.004	2023	2026	2029	rVV	113385	110200	9.72%	0.646%
66	14.039	2029	2032	2034	rVV3	39437	43381	3.83%	0.254%
67	14.057	2034	2035	2040	rVV4	41233	56665	5.00%	0.332%
68	14.098	2040	2042	2044	rVV	38820	44285	3.91%	0.259%
69	14.133	2046	2048	2050	rVV	41578	39127	3.45%	0.229%
70	14.163	2050	2053	2057	rVB5	51185	46051	4.06%	0.270%
71	14.245	2065	2067	2069	rBV	18593	17708	1.56%	0.104%

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72	14.286	2069	2074	2077	rBV2	65137	86173	7.60%	0.505%
73	14.321	2077	2080	2081	rBV2	18179	14194	1.25%	0.083%
74	14.345	2081	2084	2086	rBV	62376	60676	5.35%	0.355%
75	14.386	2086	2091	2093	rVV3	49652	72908	6.43%	0.427%
76	14.469	2101	2105	2110	rVB4	29134	53765	4.74%	0.315%
77	14.639	2124	2134	2137	rBV5	61123	119694	10.56%	0.701%
78	14.710	2142	2146	2149	rVB2	44047	54583	4.81%	0.320%
79	14.774	2154	2157	2162	rBV3	51093	65061	5.74%	0.381%
80	14.874	2172	2174	2178	rVB2	14064	12310	1.09%	0.072%
81	14.927	2178	2183	2185	rBV	296215	408038	35.99%	2.391%
82	14.951	2185	2187	2193	rVV2	212688	242848	21.42%	1.423%
83	15.027	2193	2200	2206	rVB2	76654	133122	11.74%	0.780%
84	15.110	2211	2214	2215	rBV2	18282	16442	1.45%	0.096%
85	15.151	2219	2221	2225	rVV4	20888	28681	2.53%	0.168%
86	15.216	2228	2232	2236	rVV	143486	176724	15.59%	1.035%
87	15.274	2238	2242	2246	rVV	216055	283427	25.00%	1.661%
88	15.310	2246	2248	2249	rVV2	52778	51071	4.50%	0.299%
89	15.333	2249	2252	2255	rVV	147565	178150	15.71%	1.044%
90	15.363	2255	2257	2265	rVB	65273	96542	8.51%	0.566%
91	15.498	2276	2280	2284	rBV3	37600	52617	4.64%	0.308%
92	15.545	2286	2288	2295	rVB7	20844	30698	2.71%	0.180%
93	15.716	2313	2317	2321	rVB	54653	74625	6.58%	0.437%
94	15.880	2341	2345	2350	rVB5	20013	32238	2.84%	0.189%
95	15.951	2353	2357	2360	rBV6	8384	13672	1.21%	0.080%
96	16.180	2392	2396	2407	rVB9	27966	62674	5.53%	0.367%
97	16.451	2438	2442	2448	rVB6	24415	44308	3.91%	0.260%
98	16.751	2486	2493	2500	rVB2	85115	170247	15.02%	0.997%
99	16.910	2512	2520	2525	rBV7	24931	62209	5.49%	0.364%
100	17.186	2561	2567	2574	rVB2	53803	112165	9.89%	0.657%

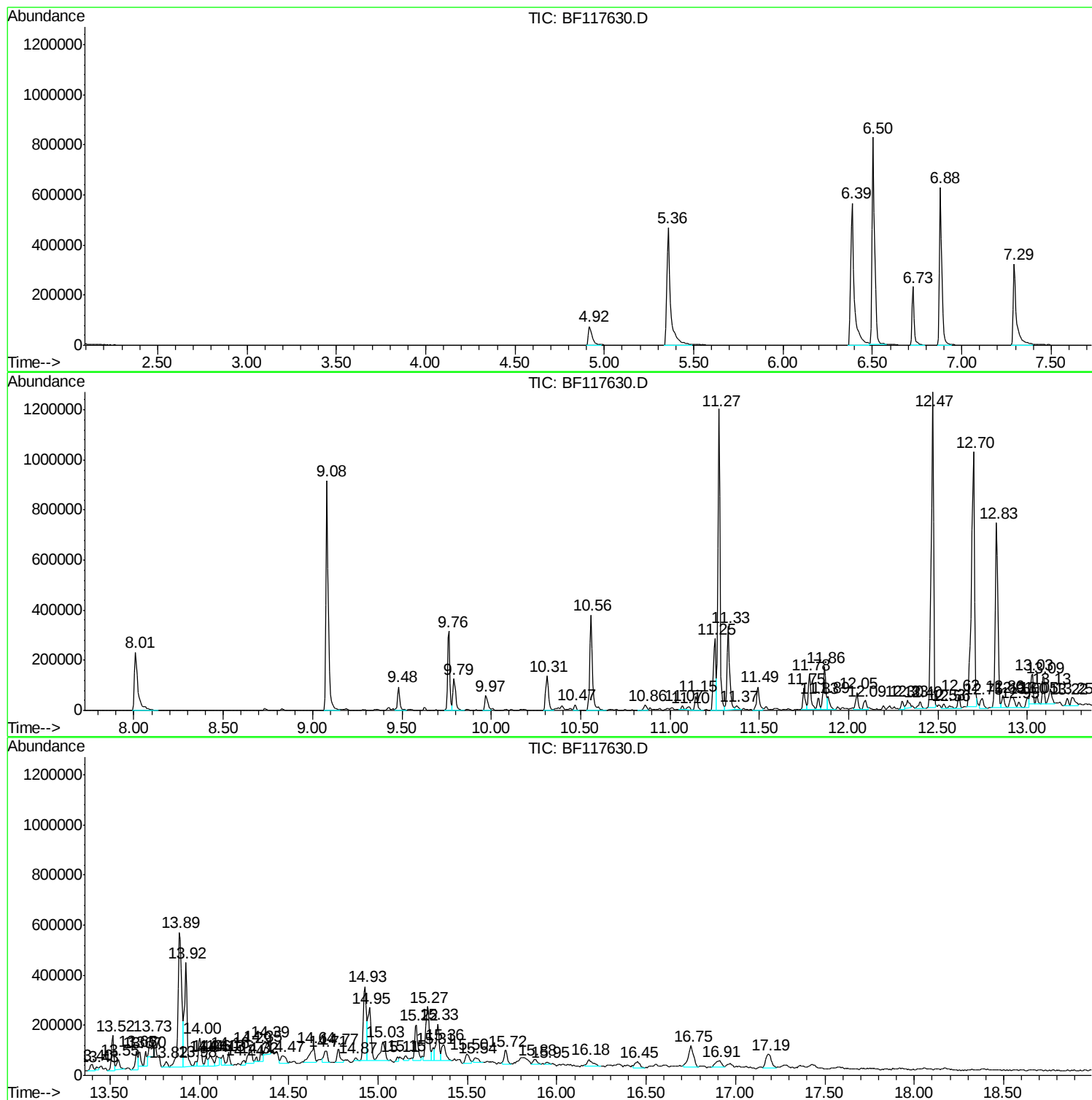
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199-48-(0-1.2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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ClientSampled :
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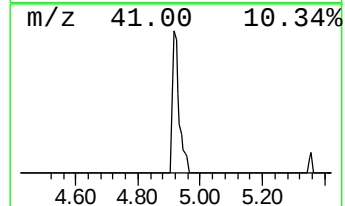
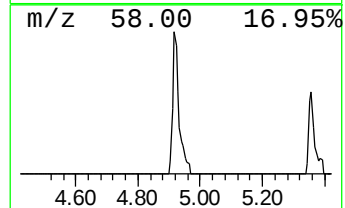
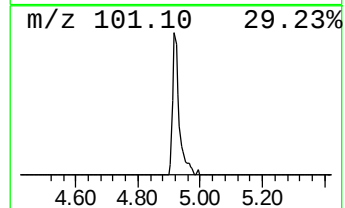
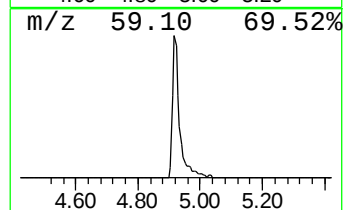
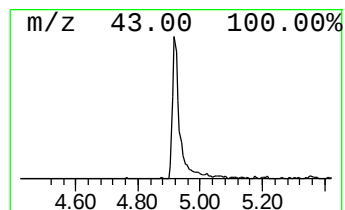
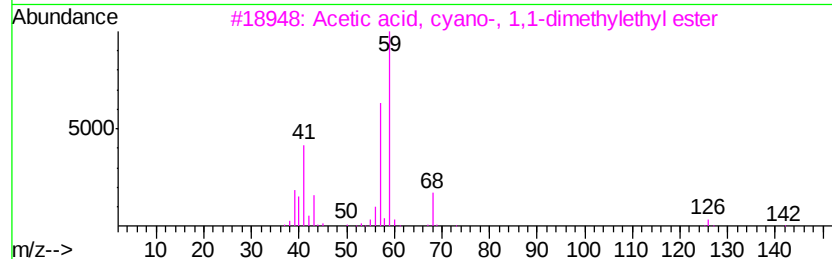
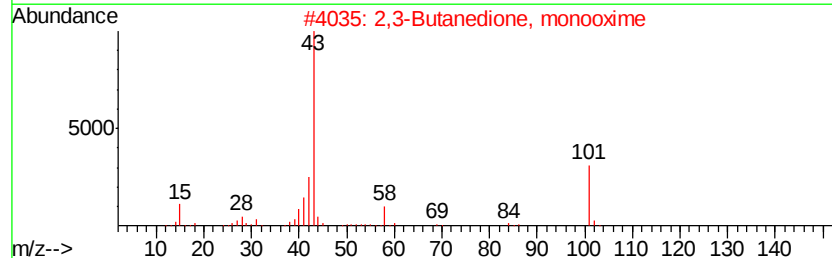
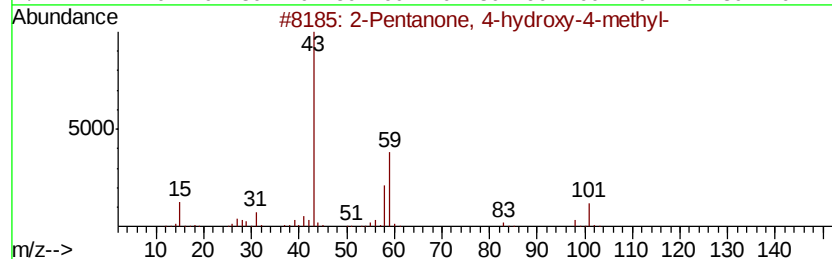
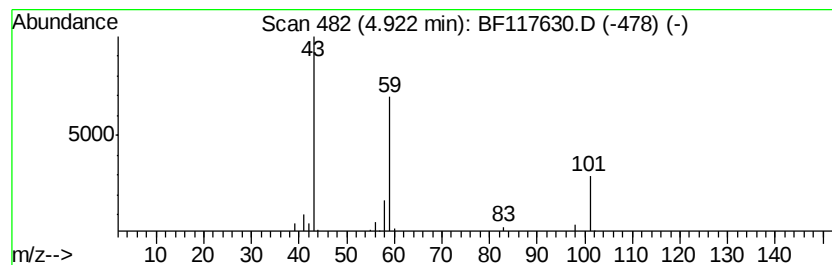
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	10.32 ng	110188	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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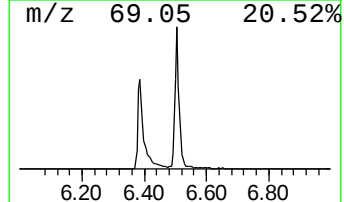
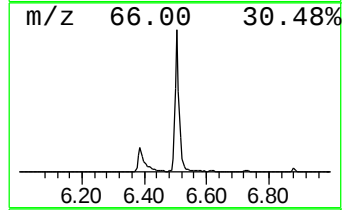
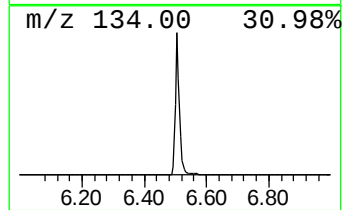
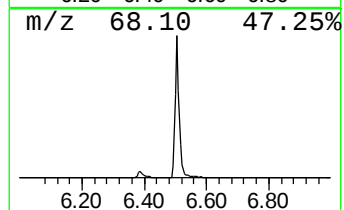
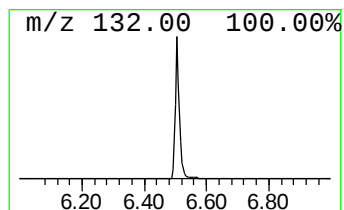
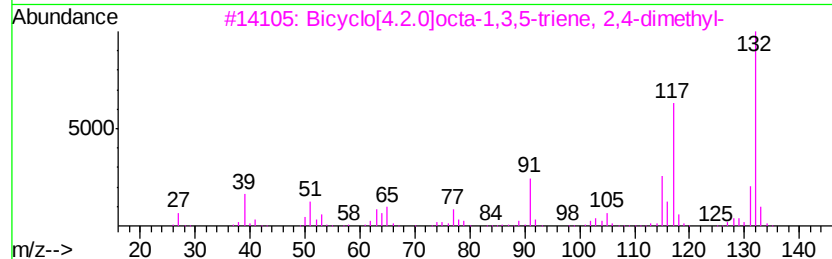
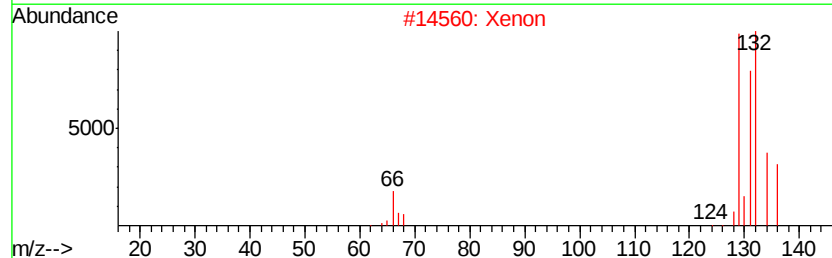
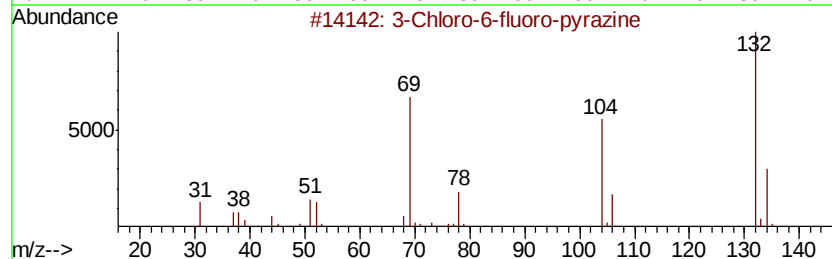
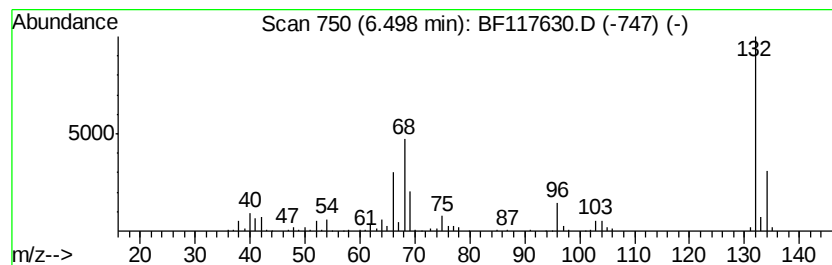
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	74.75 ng	798436	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27	
2	Xenon	132	Xe	007440-63-3	9	
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9	
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9	
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9	



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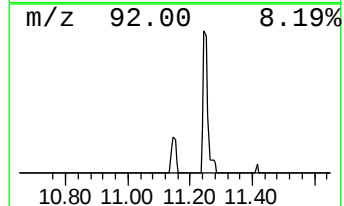
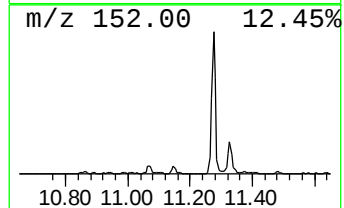
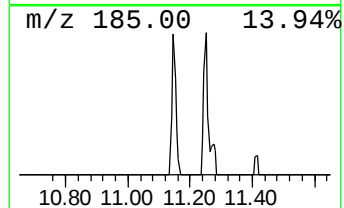
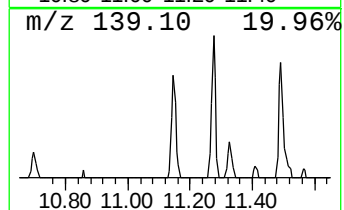
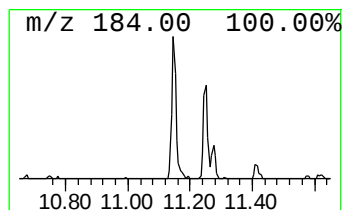
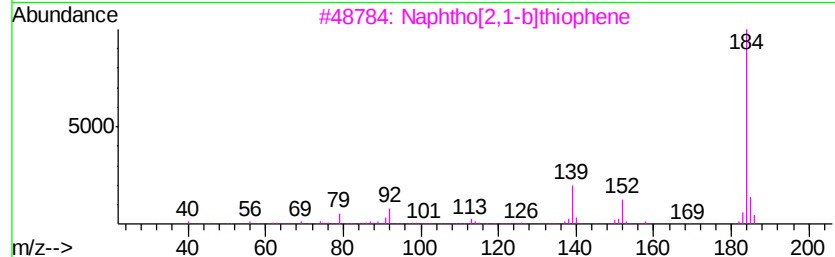
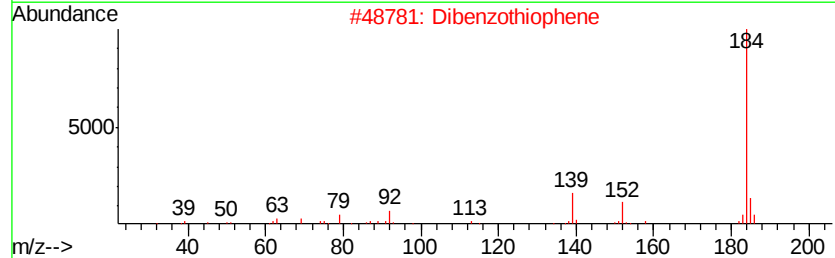
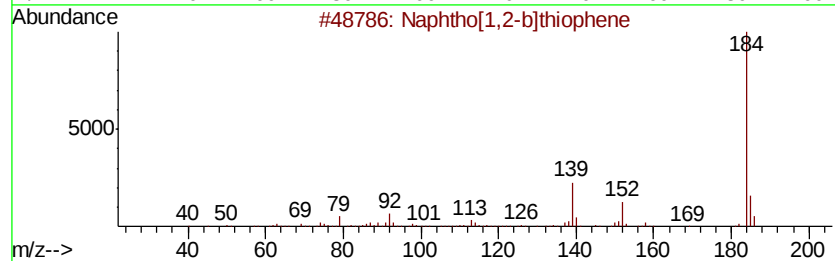
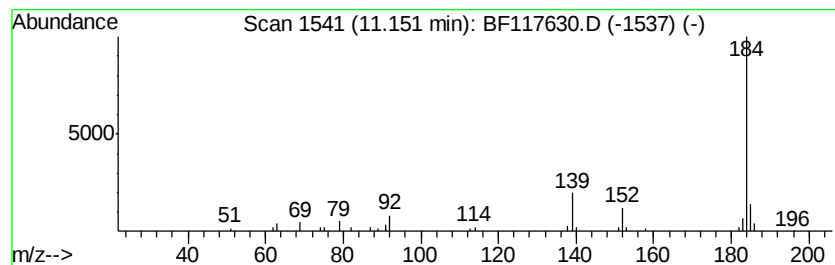
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphtho[1,2-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	4.08 ng	52848	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2			Dibenzothiophene	184	C12H8S	000132-65-0	97
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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Acq On : 30 Oct 2019 17:46
Operator : JU
Sample : K5542-03
Misc :
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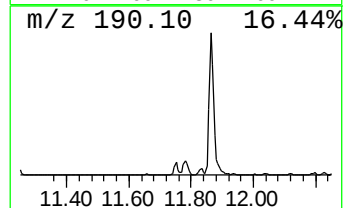
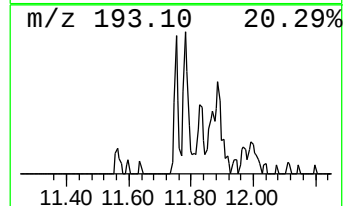
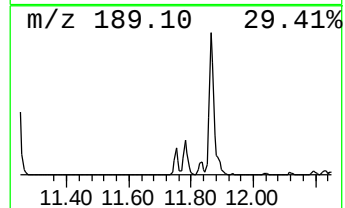
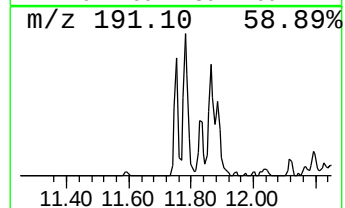
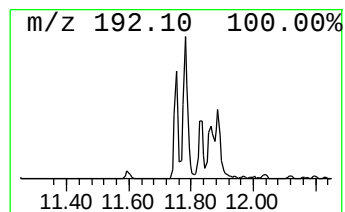
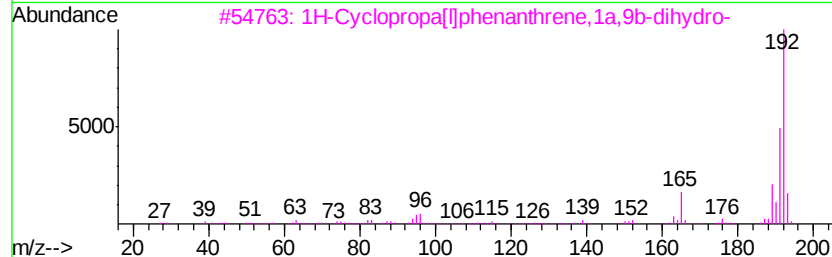
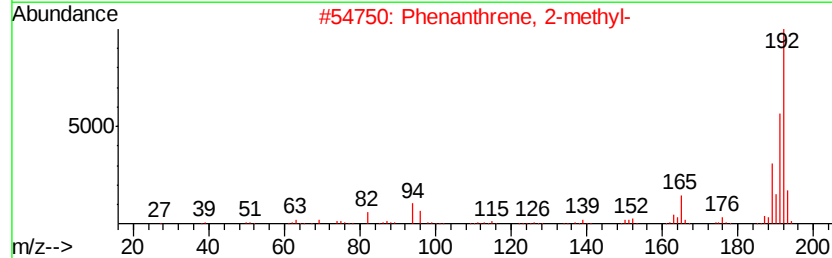
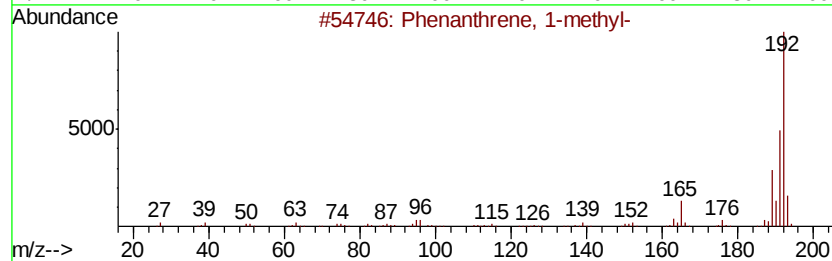
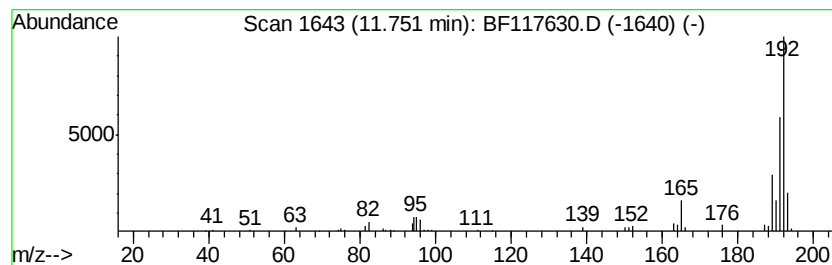
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	5.49 ng	71160	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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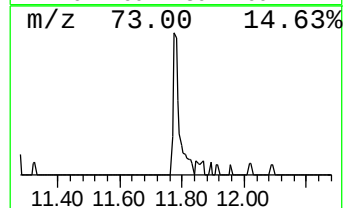
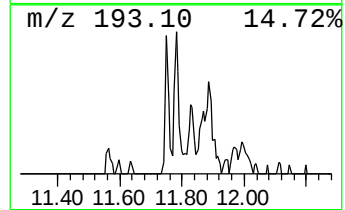
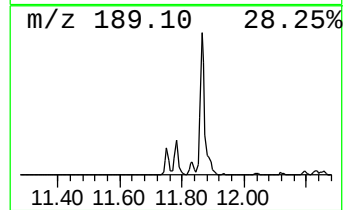
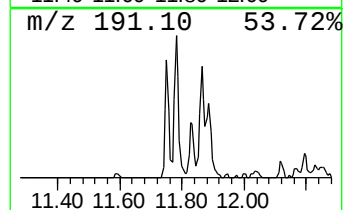
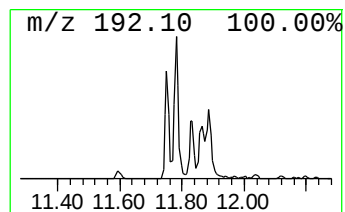
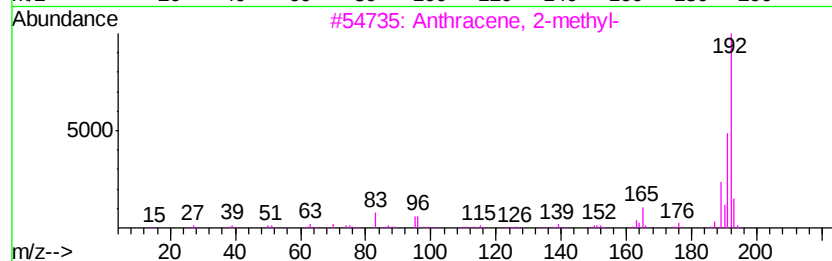
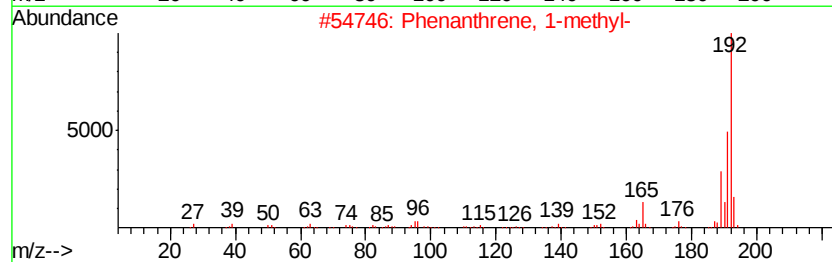
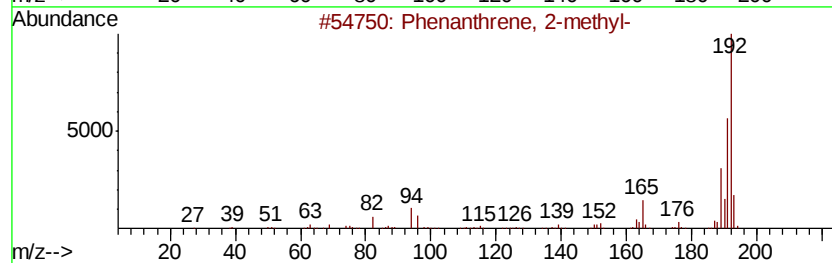
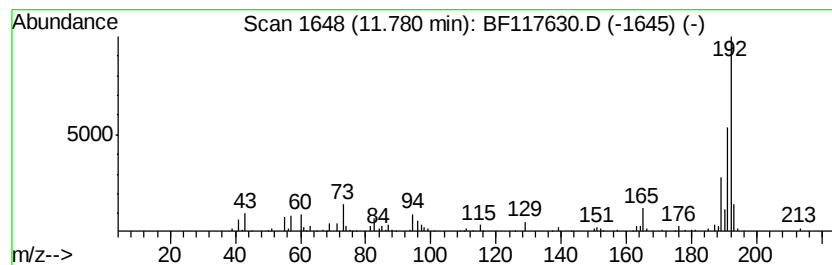
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	12.15 ng	157542	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117630.D
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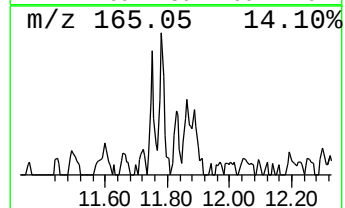
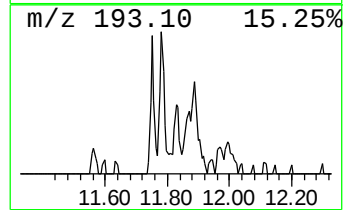
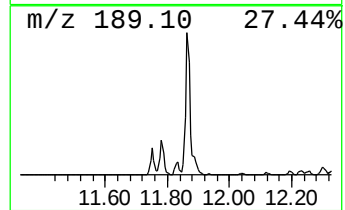
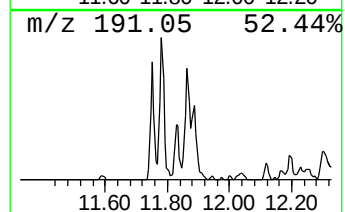
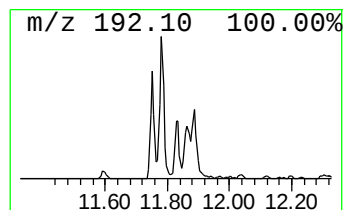
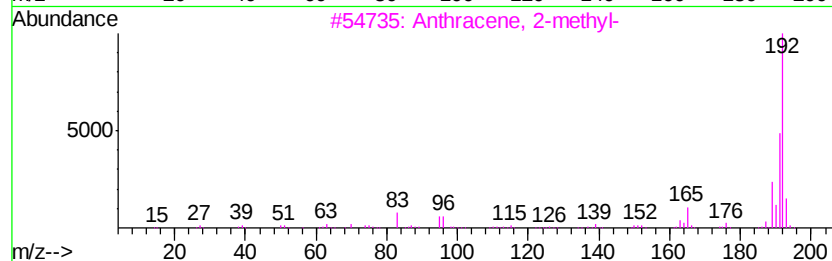
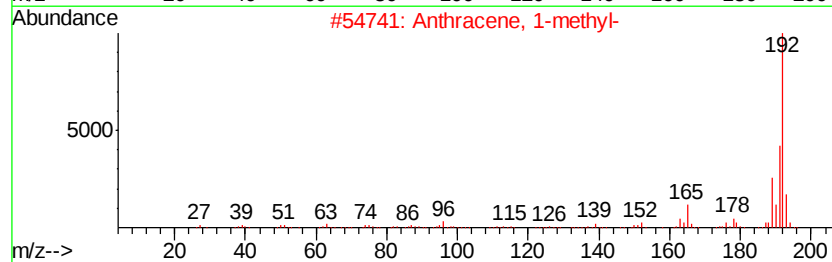
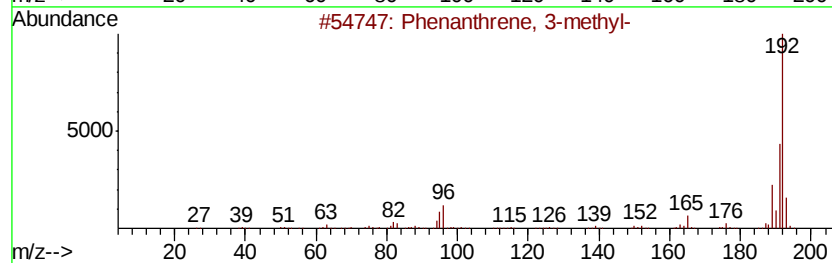
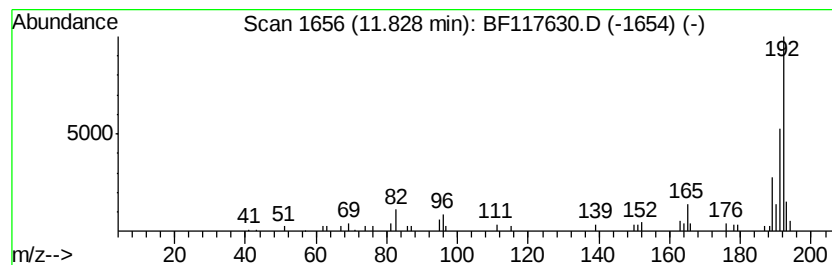
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	3.63 ng	47119	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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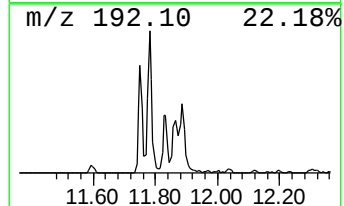
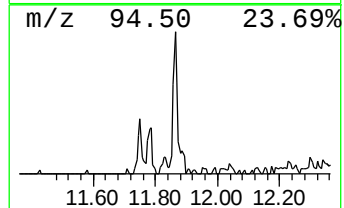
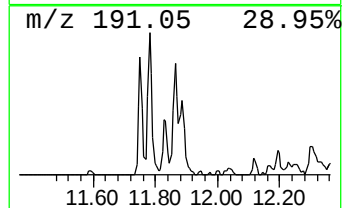
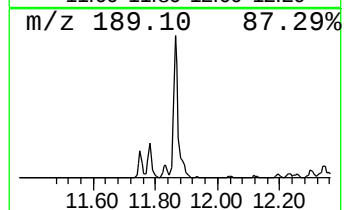
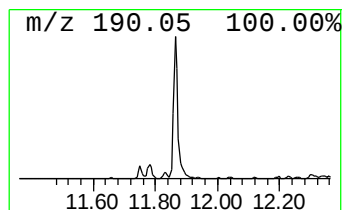
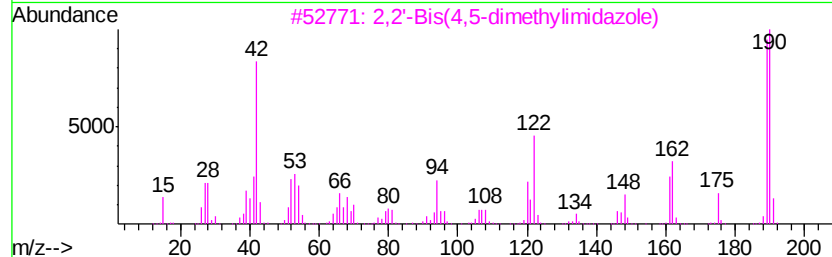
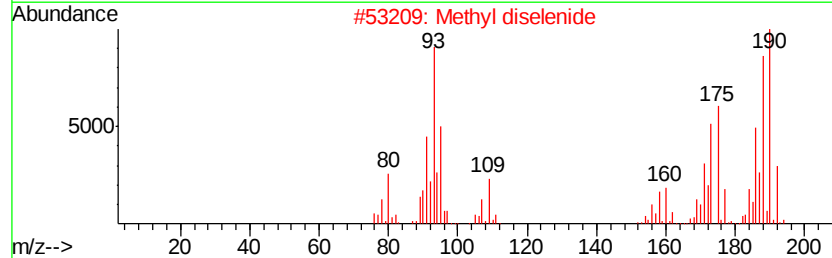
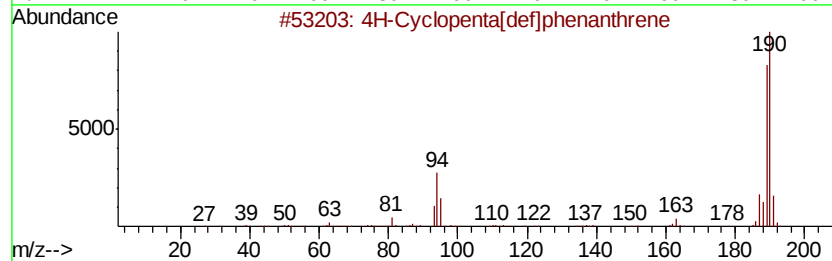
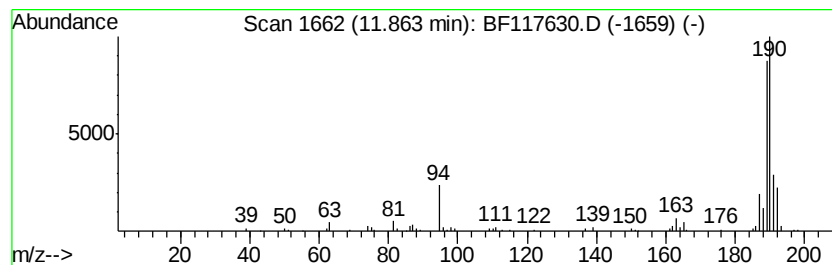
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	14.08 ng	182521	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	6,7-Methylenedioxy-4(3H)-quinazolin-2(1H)-one	190	C9H6N2O3	028310-11-4	33
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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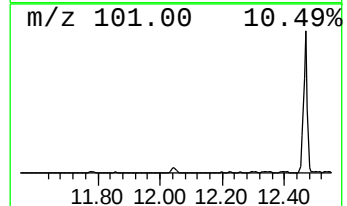
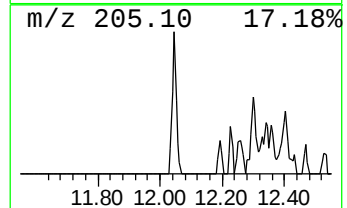
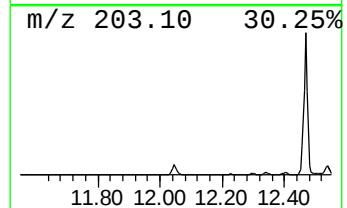
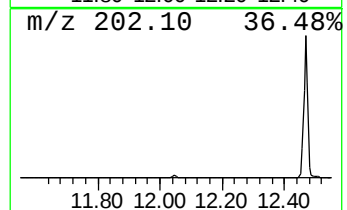
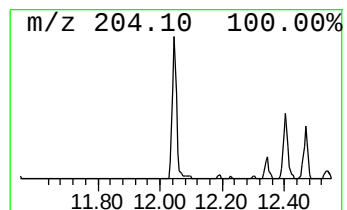
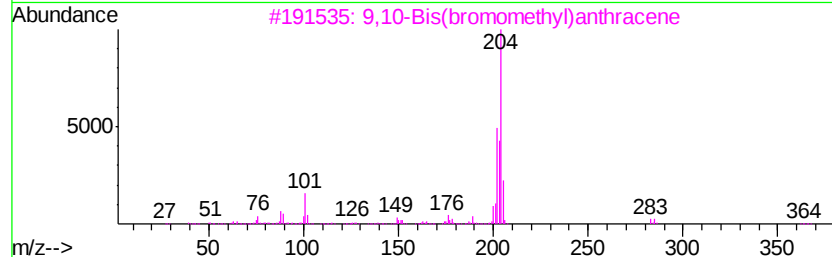
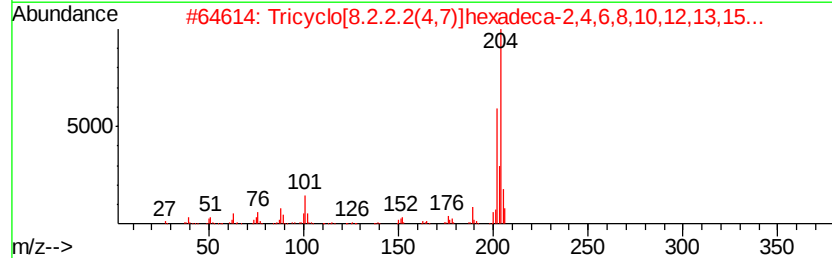
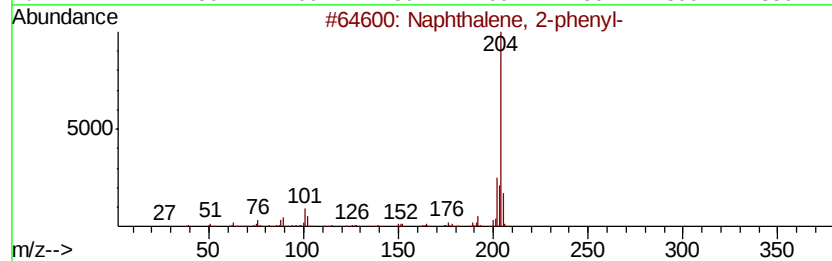
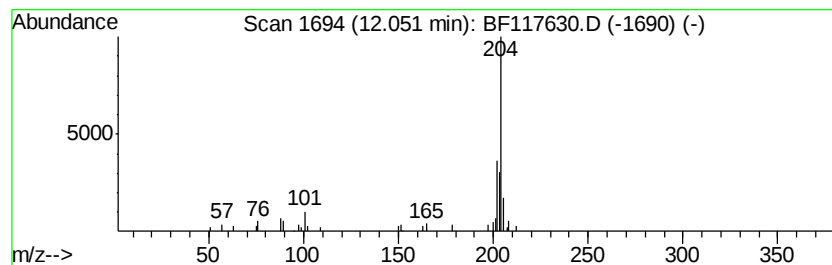
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.32 ng	56048	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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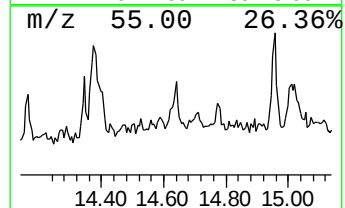
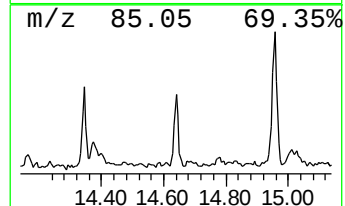
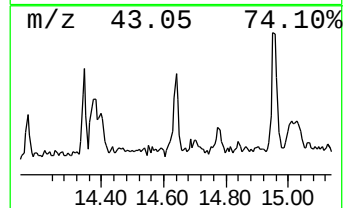
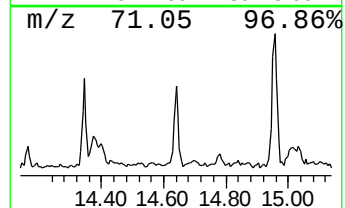
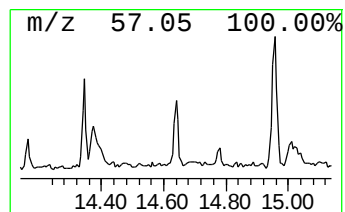
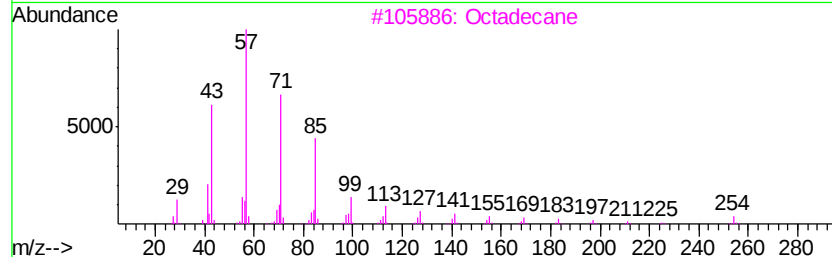
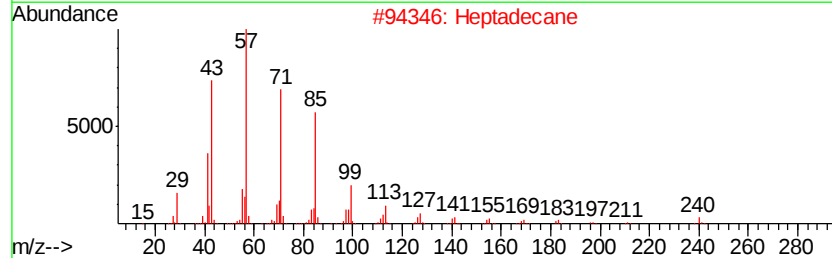
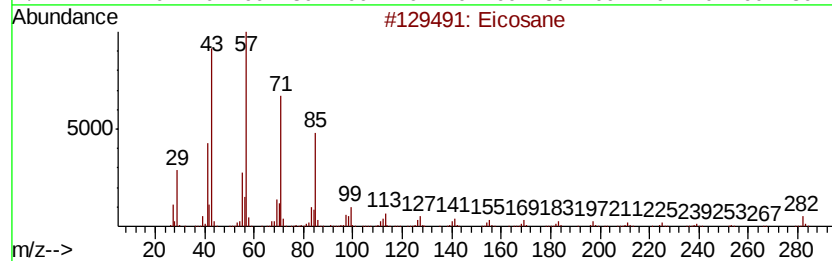
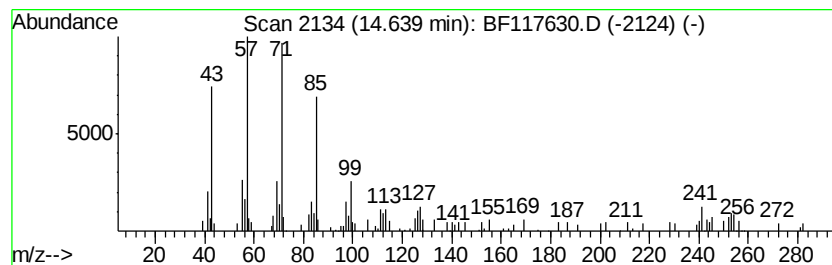
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	13.44 ng	119694	Perylene-d12	15.33
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane	282 C20H42	000112-95-8	93
2	Heptadecane	240 C17H36	000629-78-7	93
3	Octadecane	254 C18H38	000593-45-3	93
4	Triacontane	422 C30H62	000638-68-6	72
5	Octadecane, 1-iodo-	380 C18H37I	000629-93-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117630.D
Acq On : 30 Oct 2019 17:46
Operator : JU
Sample : K5542-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

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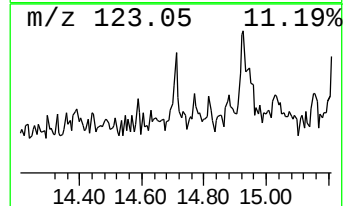
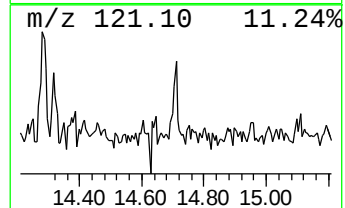
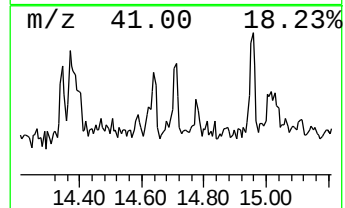
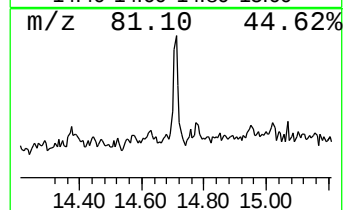
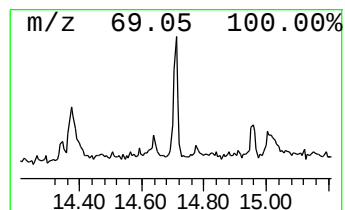
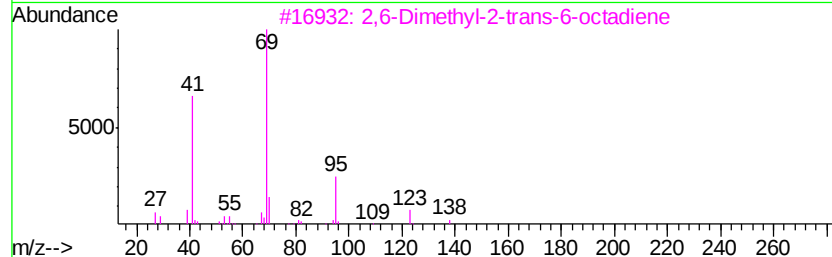
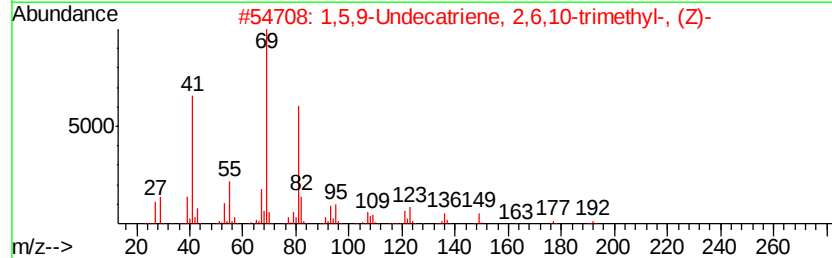
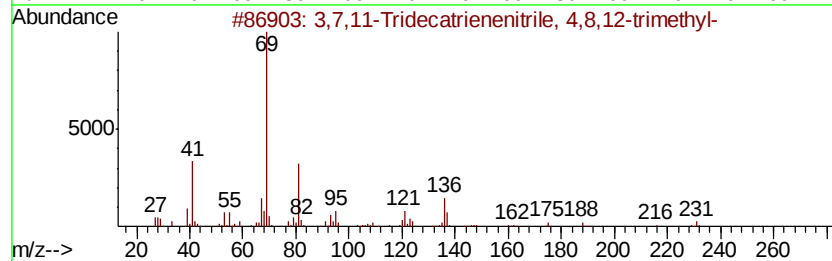
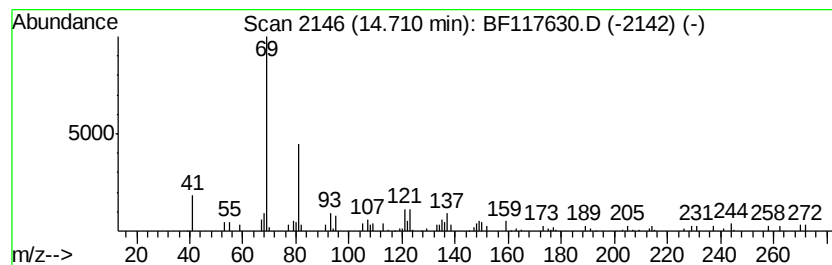
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 3,7,11-Tridecatrienitrile... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	6.13 ng	54583	Perylene-d12	15.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,7,11-Tridecatrienitrile, 4,8...	231	C16H25N	006006-01-5	59
2			1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	59
3			2,6-Dimethyl-2-trans-6-octadiene	138	C10H18	002609-23-6	53
4			Squalene	410	C30H50	000111-02-4	53
5			1,5-Heptadiene, 2,6-dimethyl-	124	C9H16	006709-39-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117630.D
Acq On : 30 Oct 2019 17:46
Operator : JU
Sample : K5542-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

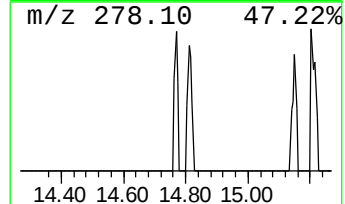
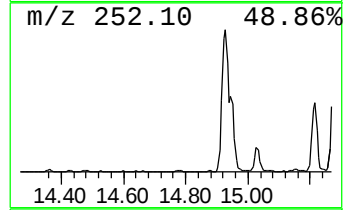
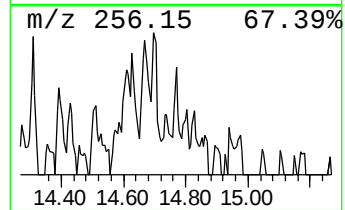
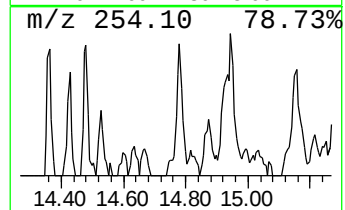
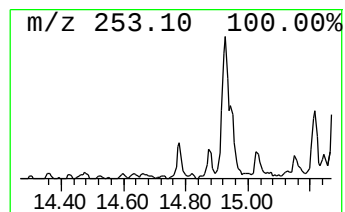
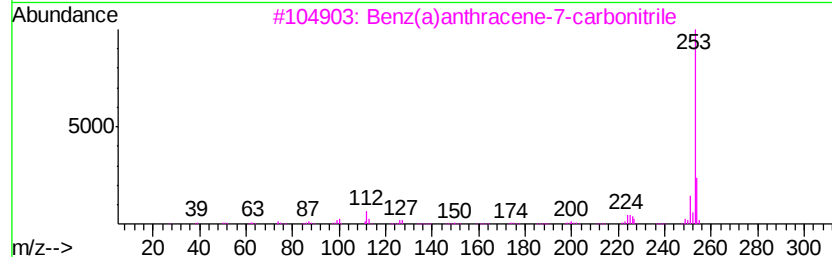
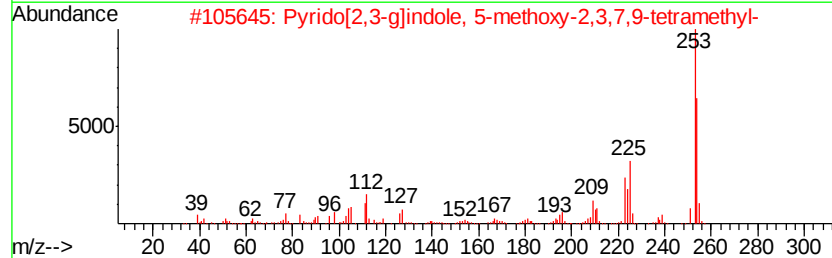
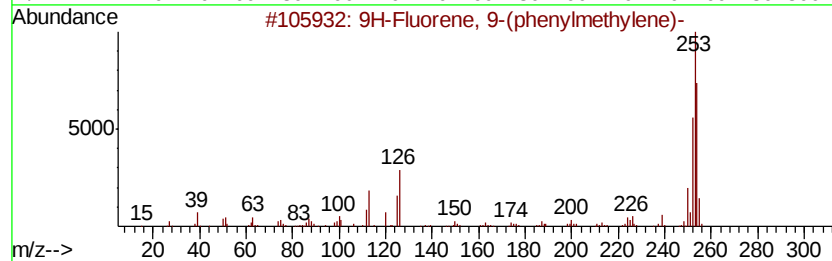
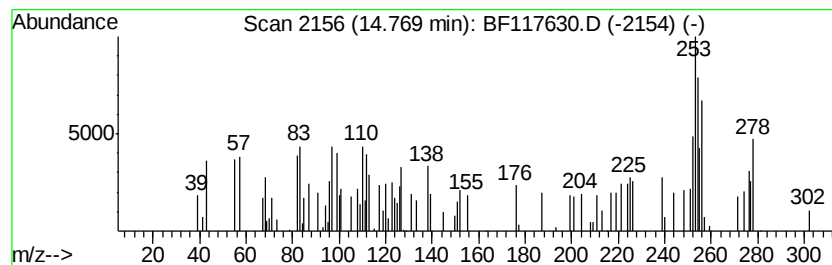
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9H-Fluorene, 9-(phenylmethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.77	7.30 ng	65061	Perylene-d12	15.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylen)-	254	C20H14		001836-87-9	50
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O		201991-45-9	50
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N		007476-08-6	43
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14		1000080-17-7	42
5	Fumaric acid, 4-octyl undecyl ester	382	C23H42O4		1000339-22-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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Sample : K5542-03
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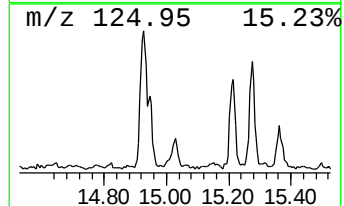
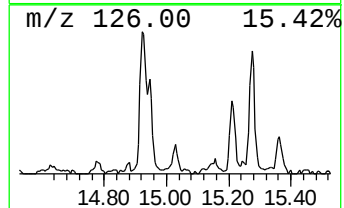
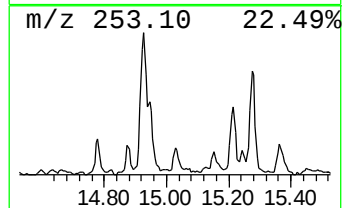
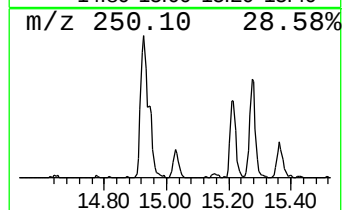
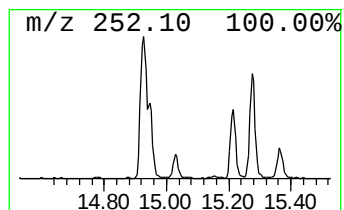
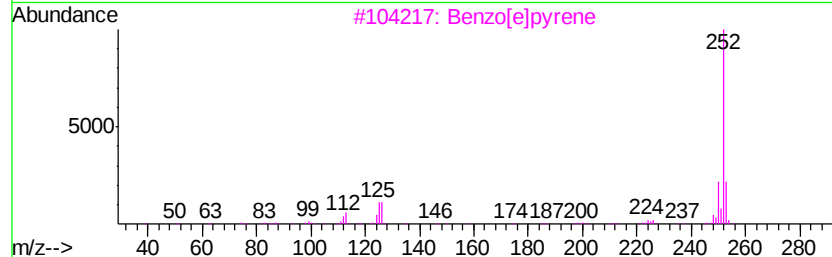
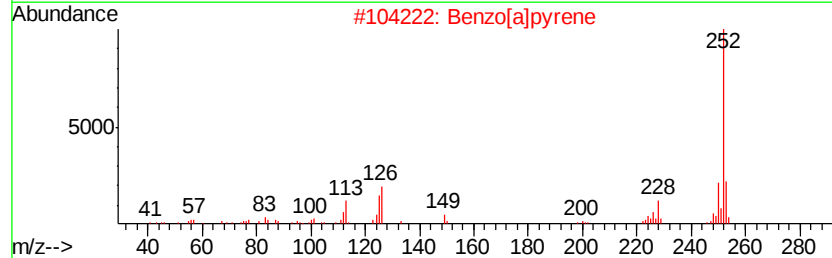
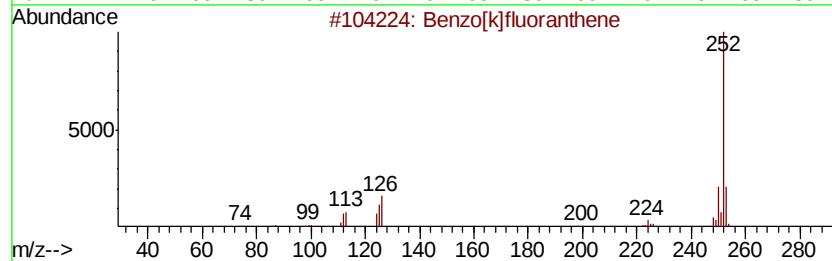
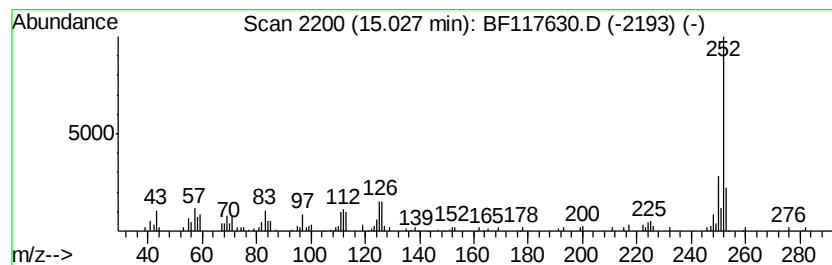
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.03	14.94 ng	133122	Perylene-d12	15.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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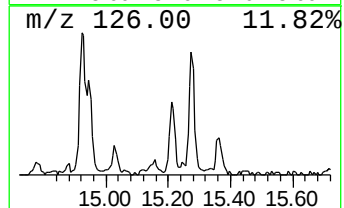
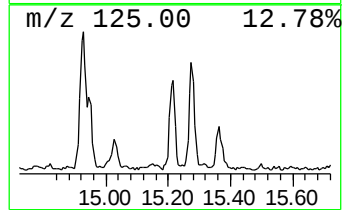
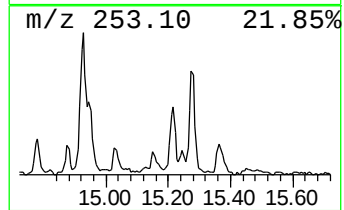
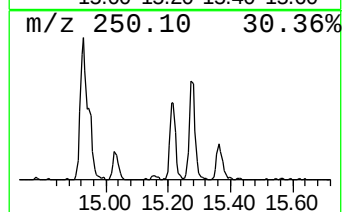
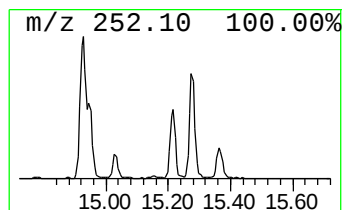
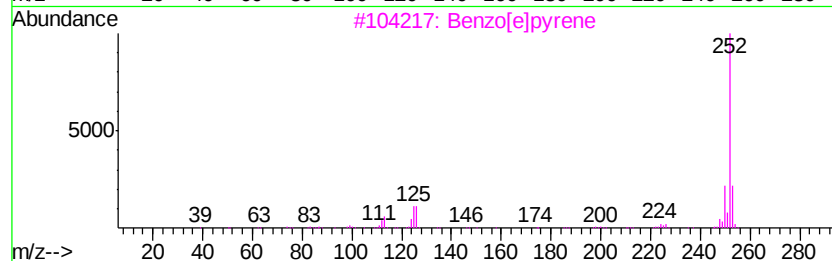
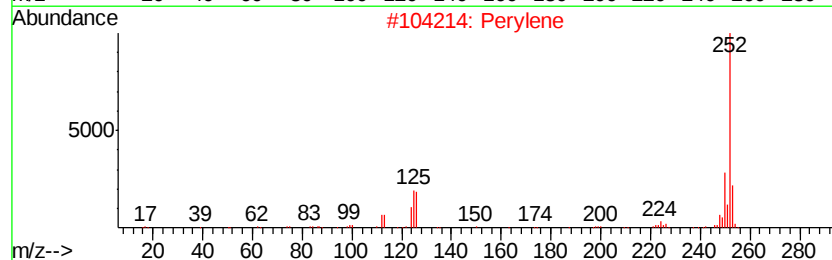
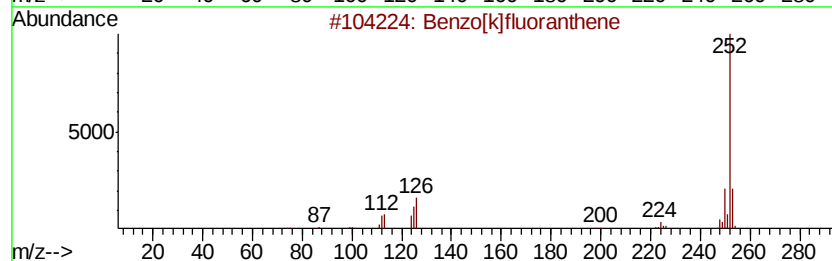
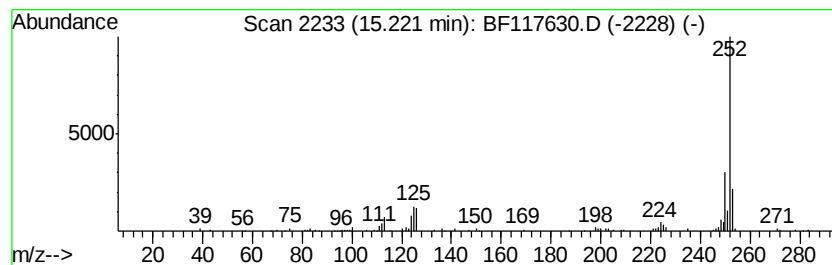
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	19.84 ng	176724	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2		Perylene	252	C20H12	000198-55-0	98
3		Benzo[e]pyrene	252	C20H12	000192-97-2	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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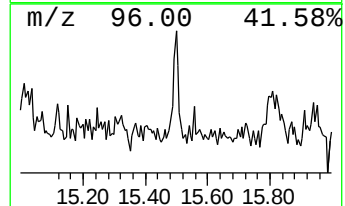
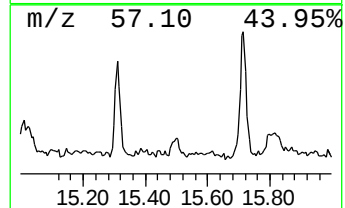
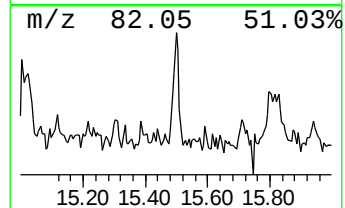
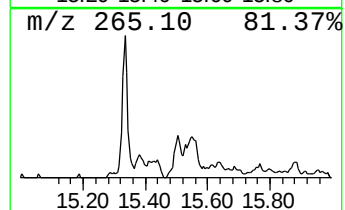
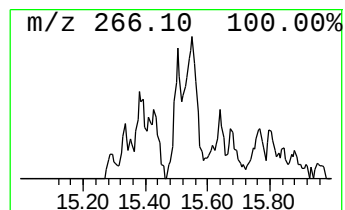
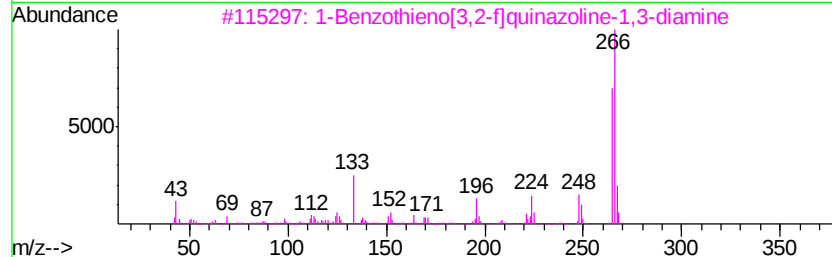
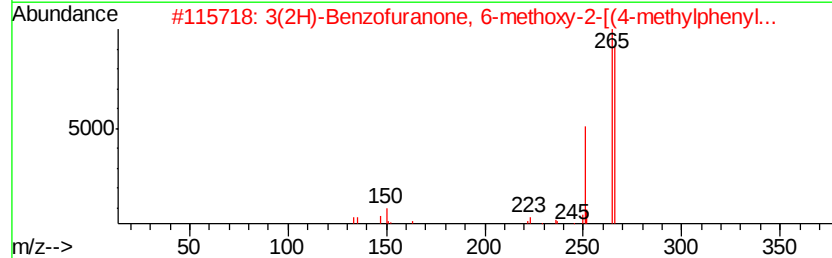
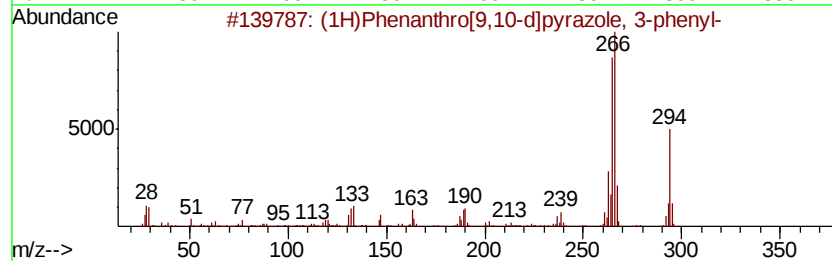
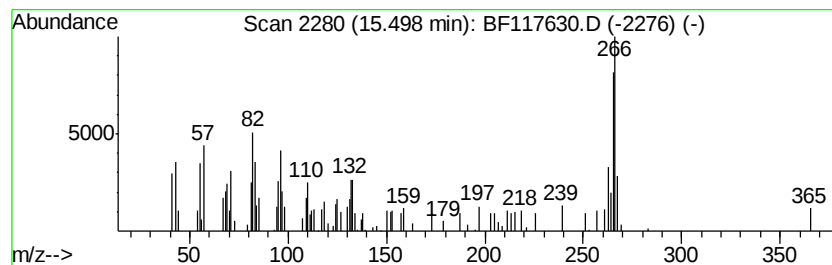
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 (1H)Phenanthro[9,10-d]pyraz... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	5.91 ng	52617	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	59
2		3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-87-5	52
3		1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	50
4		Acetic acid, 2-(2-benzyl-1-benzo...	266	C16H14N2O2	152342-26-2	43
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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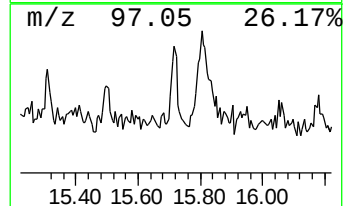
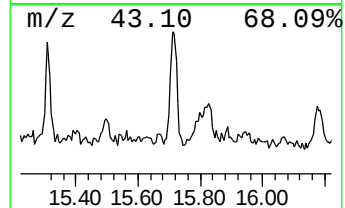
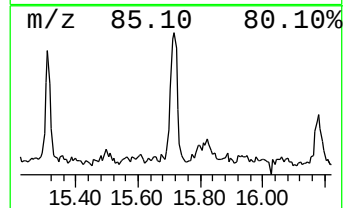
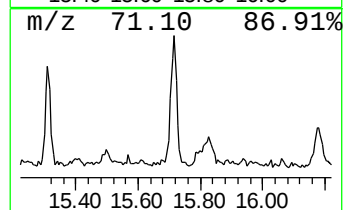
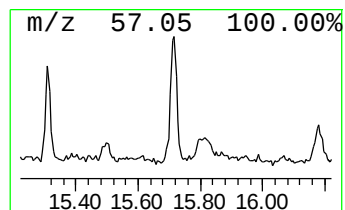
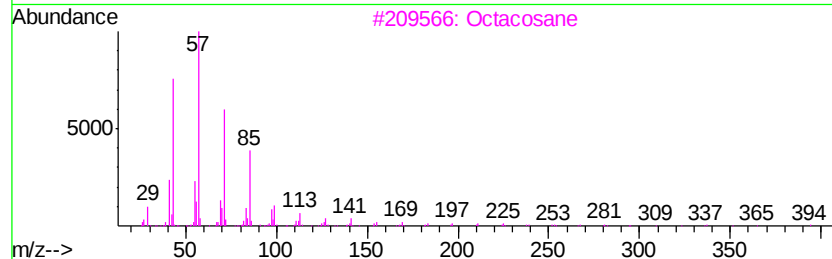
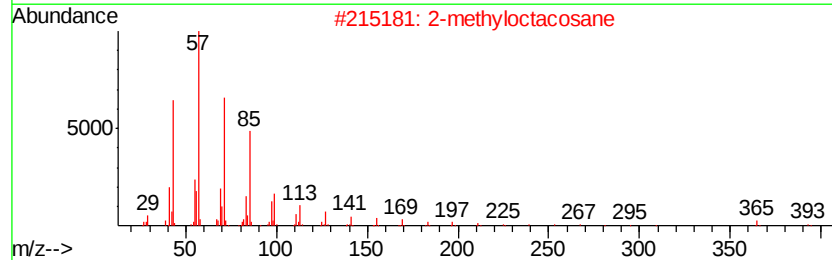
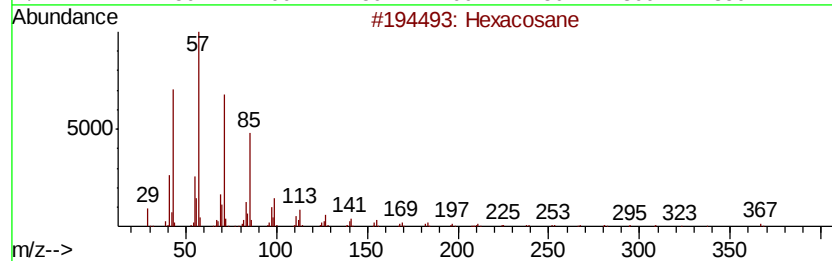
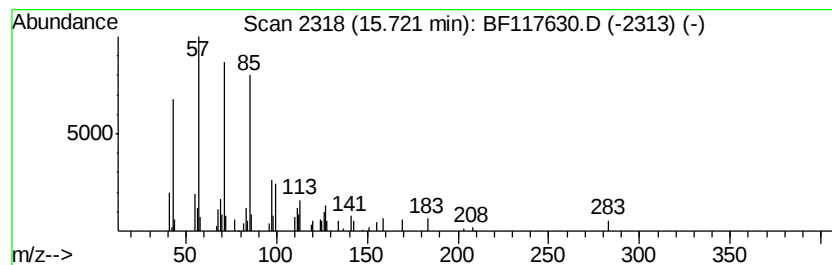
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	8.38 ng	74625	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	86
2		2-methyloctacosane	408	C29H60	1000376-72-8	86
3		Octacosane	394	C28H58	000630-02-4	80
4		Hexadecane	226	C16H34	000544-76-3	80
5		triacontane	422	C30H62	000638-68-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117630.D
Acq On : 30 Oct 2019 17:46
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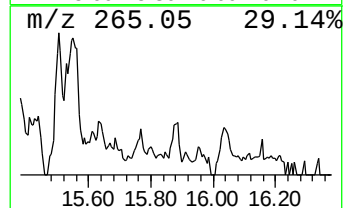
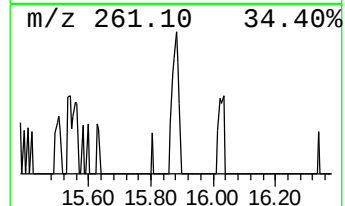
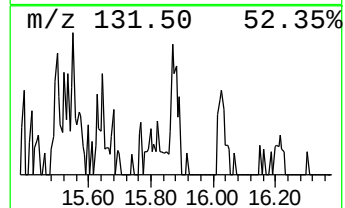
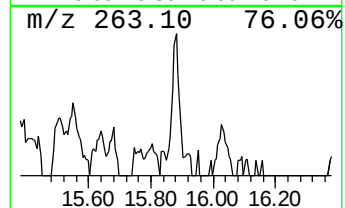
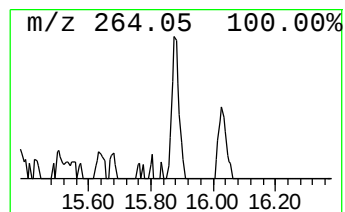
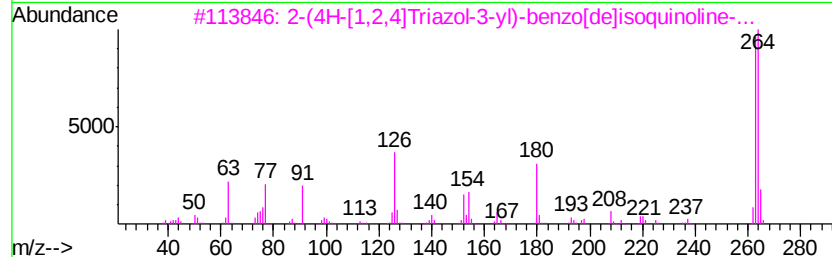
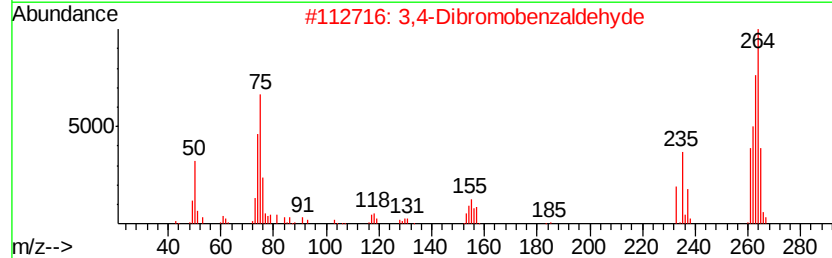
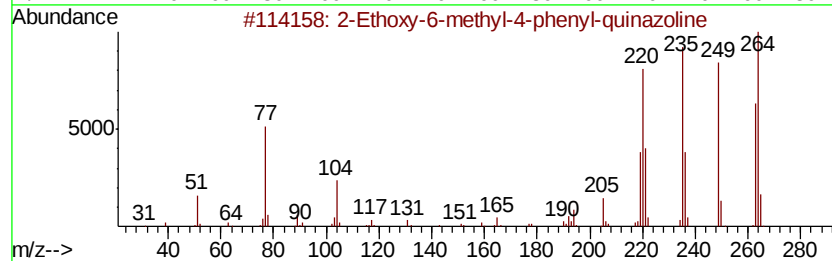
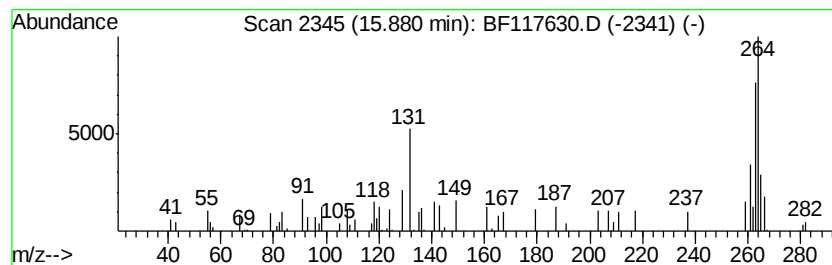
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.88 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.62 ng	32238	Perylene-d12	15.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethoxy-6-methyl-4-phenyl-quinazoline...	264	C17H16N2O	1000318-42-5	43
2			3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	42
3			2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	38
4			5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
5			Furazano[3,4-H]1,6-naphthyridin-...	264	C14H8N4O2	296245-19-7	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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ALS Vial : 17 Sample Multiplier: 1

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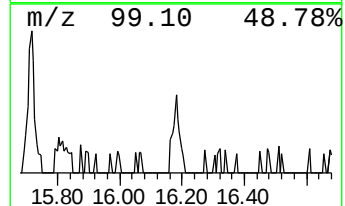
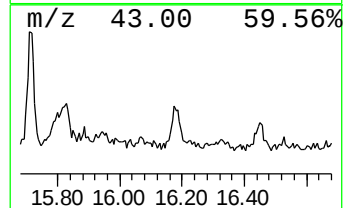
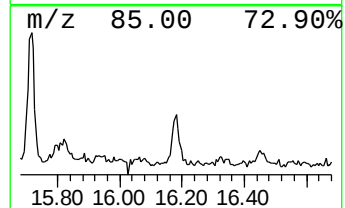
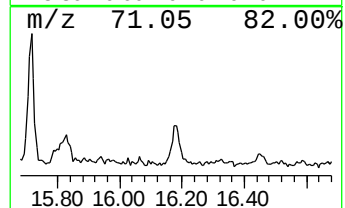
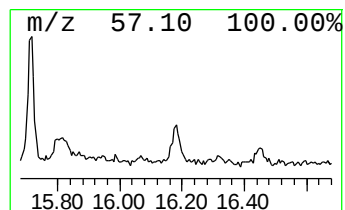
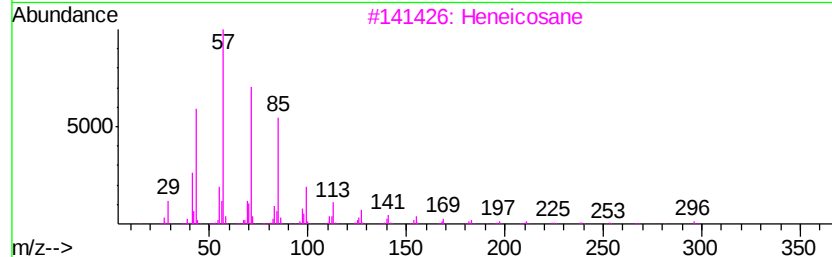
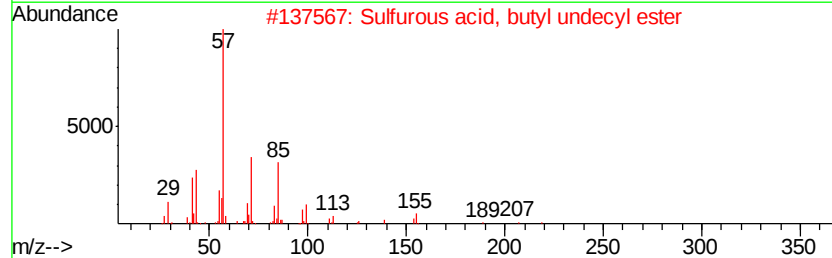
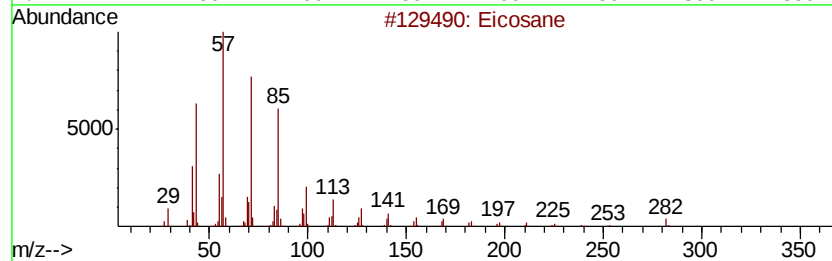
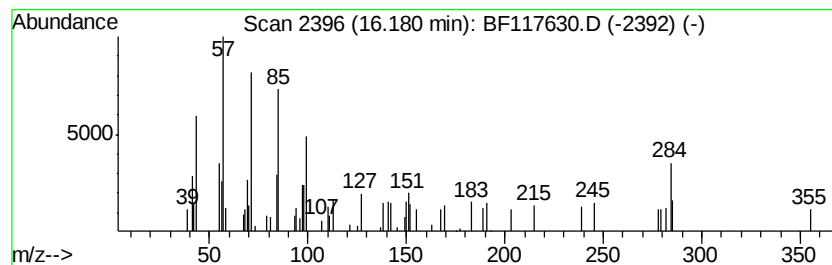
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown16.18 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	7.04 ng	62674	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	53
2		Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	43
3		Heneicosane	296	C21H44	000629-94-7	43
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	43
5		Nonadecane, 2-methyl-	282	C20H42	001560-86-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117630.D
Acq On : 30 Oct 2019 17:46
Operator : JU
Sample : K5542-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
199-48-(0-1.2)

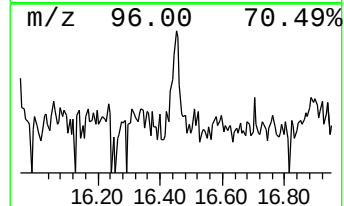
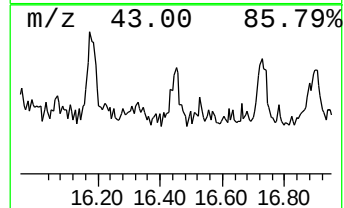
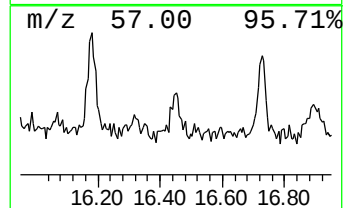
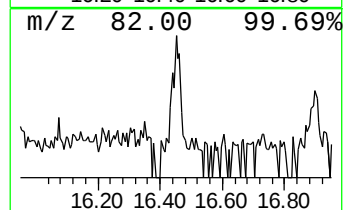
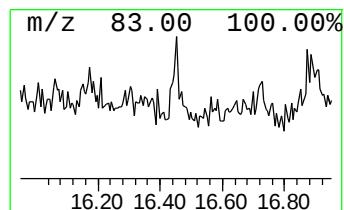
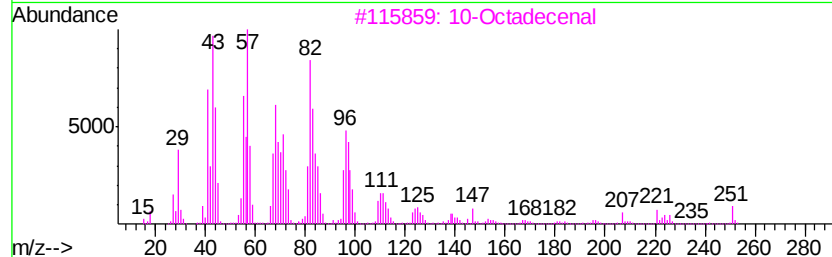
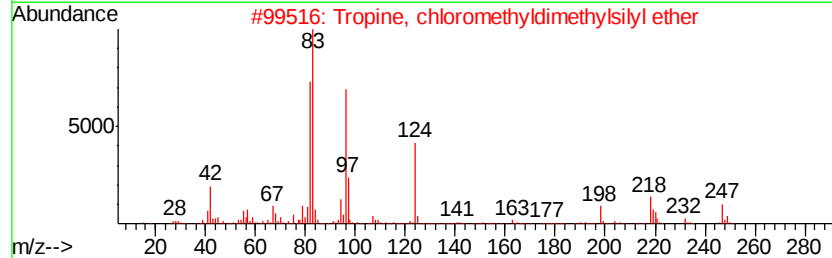
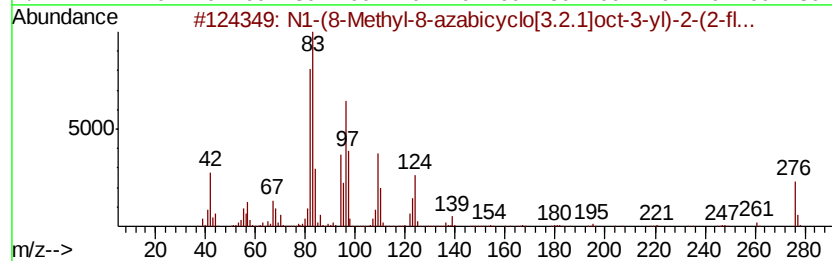
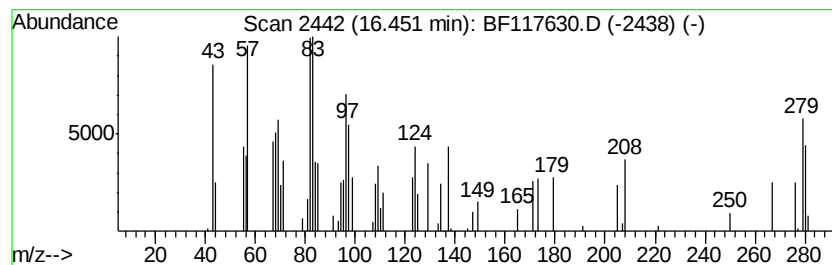
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.45 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	4.97 ng	44308	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N1-(8-Methyl-8-azabicyclo[3.2.1]...	276	C16H21FN2O	247565-70-4	49
2		Tropine, chloromethyl dimethylsil...	247	C11H22ClNOSi	1000375-73-4	47
3		10-Octadecenal	266	C18H34O	056554-92-8	35
4		Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	35
5		Glycine, N-(3-methyl-1-oxo-2-but...	171	C8H13NO3	056009-34-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117630.D
Acq On : 30 Oct 2019 17:46
Operator : JU
Sample : K5542-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
199-48-(0-1.2)

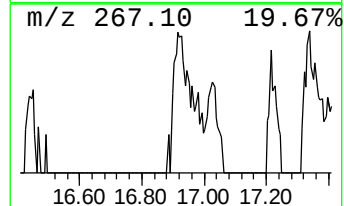
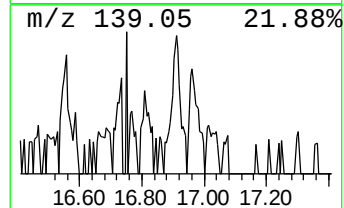
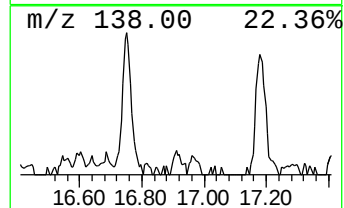
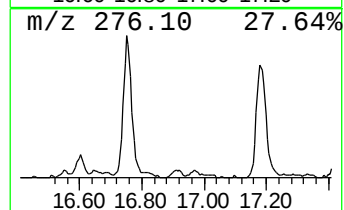
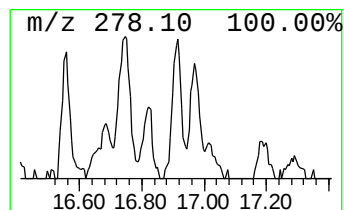
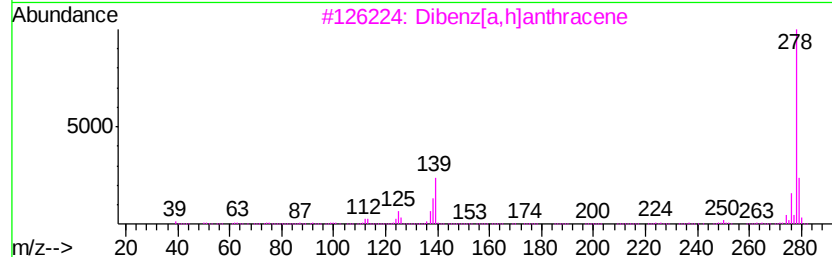
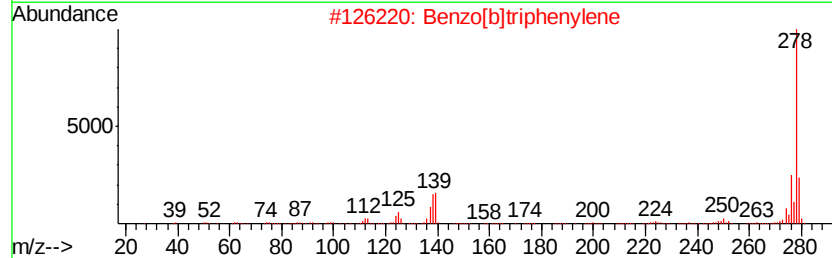
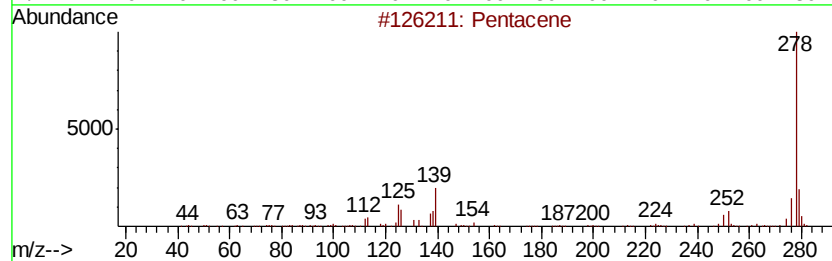
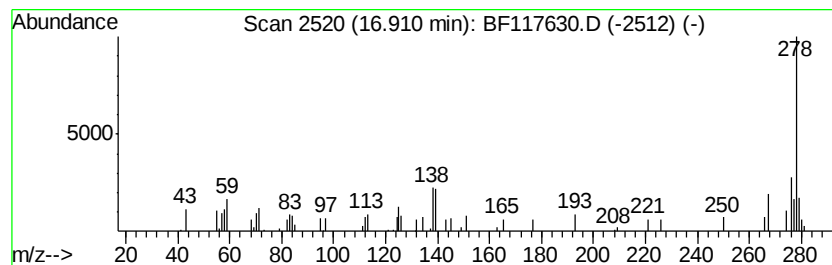
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentacene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	6.98 ng	62209	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacene	278	C22H14	000135-48-8	60
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	50
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	47
4		Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	43
5		2-Chloro-4,6-bis(3-thienyl)pyrim...	278	C12H7ClN2S2	131022-83-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103019\
 Data File : BF117630.D
 Acq On : 30 Oct 2019 17:46
 Operator : JU
 Sample : K5542-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 199-48-(0-1.2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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...	4.92	10.3	ng	110188	1	6.73	213619	20.0
unknown6.50	6.50	74.8	ng	798436	1	6.73	213619	20.0
Naphtho[1,2-b]thi...	11.15	4.1	ng	52848	4	11.25	259355	20.0
Phenanthrene, 1-m...	11.75	5.5	ng	71160	4	11.25	259355	20.0
Phenanthrene, 2-m...	11.78	12.2	ng	157542	4	11.25	259355	20.0
Phenanthrene, 3-m...	11.83	3.6	ng	47119	4	11.25	259355	20.0
4H-Cyclopenta[def...	11.86	14.1	ng	182521	4	11.25	259355	20.0
Naphthalene, 2-ph...	12.05	4.3	ng	56048	4	11.25	259355	20.0
Eicosane	14.64	13.4	ng	119694	6	15.33	178150	20.0
3,7,11-Tridecatri...	14.71	6.1	ng	54583	6	15.33	178150	20.0
9H-Fluorene, 9-(p...	14.77	7.3	ng	65061	6	15.33	178150	20.0
Benzo[e]pyrene	15.03	14.9	ng	133122	6	15.33	178150	20.0
Perylene	15.22	19.8	ng	176724	6	15.33	178150	20.0
(1H)Phenanthro[9,...	15.50	5.9	ng	52617	6	15.33	178150	20.0
Hexacosane	15.72	8.4	ng	74625	6	15.33	178150	20.0
unknown15.88	15.88	3.6	ng	32238	6	15.33	178150	20.0
unknown16.18	16.18	7.0	ng	62674	6	15.33	178150	20.0
unknown16.45	16.45	5.0	ng	44308	6	15.33	178150	20.0
Pentacene	16.91	7.0	ng	62209	6	15.33	178150	20.0