

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092018\
 Data File : BF109193.D
 Acq On : 20 Sep 2018 20:26
 Operator : JU/SJ
 Sample : J4987-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

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-BF091418.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	4.919	436	439	446	rVB	57003	71026	4.01%	0.231%
2	5.337	504	510	513	rBV	1462347	1556792	87.89%	5.068%
3	6.360	678	684	692	rBV	1527548	1673958	94.50%	5.450%
4	6.489	701	706	709	rBV	1776902	1598245	90.23%	5.203%
5	6.719	741	745	749	rBV	711523	565016	31.90%	1.840%
6	6.878	768	772	775	rBV	1593699	1308206	73.85%	4.259%
7	7.278	835	840	843	rBV	1193175	1140851	64.41%	3.714%
8	8.001	959	963	966	rBV	961789	790429	44.62%	2.573%
9	9.078	1141	1146	1149	rBV	1683152	1426918	80.56%	4.646%
10	9.472	1209	1213	1216	rBV	604437	543907	30.71%	1.771%
11	9.607	1234	1236	1240	rVB	49334	36242	2.05%	0.118%
12	9.748	1256	1260	1264	rBV	1128283	1042576	58.86%	3.394%
13	10.530	1389	1393	1400	rBV	1279948	1233781	69.65%	4.017%
14	11.224	1507	1511	1514	rBV	906643	856348	48.34%	2.788%
15	11.248	1514	1515	1518	rVV	254089	143057	8.08%	0.466%
16	11.301	1518	1524	1527	rVB	73629	68701	3.88%	0.224%
17	11.454	1544	1550	1553	rBV4	41478	62076	3.50%	0.202%
18	11.724	1591	1596	1598	rBV	57228	51504	2.91%	0.168%
19	11.766	1598	1603	1606	rVV2	107994	149163	8.42%	0.486%
20	11.801	1606	1609	1612	rVV2	47839	47680	2.69%	0.155%
21	11.836	1612	1615	1617	rVV	93375	105440	5.95%	0.343%
22	11.860	1617	1619	1621	rVB2	53258	39271	2.22%	0.128%
23	12.018	1643	1646	1648	rVV	50266	49113	2.77%	0.160%
24	12.042	1648	1650	1654	rVB3	52242	49759	2.81%	0.162%
25	12.171	1666	1672	1674	rBV5	43706	53367	3.01%	0.174%
26	12.277	1686	1690	1692	rBV	84504	87772	4.96%	0.286%
27	12.313	1692	1696	1698	rVV2	46784	60916	3.44%	0.198%
28	12.354	1701	1703	1708	rVB	130944	123743	6.99%	0.403%
29	12.436	1713	1717	1720	rVB	1075575	952170	53.75%	3.100%
30	12.483	1722	1725	1730	rBV4	36999	73544	4.15%	0.239%
31	12.566	1734	1739	1740	rBV4	38854	51349	2.90%	0.167%
32	12.666	1750	1756	1759	rBV2	1289707	1527583	86.24%	4.973%
33	12.777	1772	1775	1777	rBV	124588	112764	6.37%	0.367%
34	12.807	1777	1780	1787	rVB	1287520	1249265	70.53%	4.067%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092018\
 Data File : BF109193.D
 Acq On : 20 Sep 2018 20:26
 Operator : JU/SJ
 Sample : J4987-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

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-BF091418.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.883	1787	1793	1796	rBV2	153033	232225	13.11%	0.756%
36	12.971	1804	1808	1809	rBV2	139544	187116	10.56%	0.609%
37	12.989	1809	1811	1813	rVB	235206	178293	10.07%	0.580%
38	13.024	1813	1817	1819	rBV2	34148	42661	2.41%	0.139%
39	13.054	1819	1822	1824	rBV	191799	155524	8.78%	0.506%
40	13.089	1824	1828	1831	rBV	246743	232583	13.13%	0.757%
41	13.113	1831	1832	1835	rVB	60360	49796	2.81%	0.162%
42	13.183	1840	1844	1847	rBV	156288	137287	7.75%	0.447%
43	13.213	1847	1849	1853	rBV2	113222	115955	6.55%	0.378%
44	13.360	1871	1874	1877	rBV4	76782	112567	6.35%	0.366%
45	13.395	1877	1880	1882	rVV2	88503	107912	6.09%	0.351%
46	13.413	1882	1883	1885	rVV	57840	38379	2.17%	0.125%
47	13.436	1885	1887	1889	rVB2	58189	42872	2.42%	0.140%
48	13.465	1889	1892	1893	rBV2	50604	52853	2.98%	0.172%
49	13.489	1893	1896	1901	rVV	190172	214106	12.09%	0.697%
50	13.554	1905	1907	1911	rVB2	56448	51049	2.88%	0.166%
51	13.601	1911	1915	1918	rBV3	208076	259048	14.62%	0.843%
52	13.630	1918	1920	1922	rVV	125150	111509	6.30%	0.363%
53	13.654	1922	1924	1929	rVV2	165853	196884	11.11%	0.641%
54	13.695	1929	1931	1933	rVV	114637	109105	6.16%	0.355%
55	13.718	1933	1935	1938	rVV2	155517	183845	10.38%	0.599%
56	13.748	1938	1940	1942	rVB	84928	67426	3.81%	0.220%
57	13.848	1950	1957	1961	rBV2	984140	1771355	100.00%	5.767%
58	13.877	1961	1962	1968	rVB	833431	729925	41.21%	2.376%
59	13.954	1973	1975	1982	rVB2	95197	119796	6.76%	0.390%
60	14.036	1987	1989	1991	rVV2	77760	62795	3.55%	0.204%
61	14.065	1991	1994	1996	rVV	62390	63819	3.60%	0.208%
62	14.107	1999	2001	2004	rVV2	69887	52775	2.98%	0.172%
63	14.201	2015	2017	2019	rBV2	66955	68599	3.87%	0.223%
64	14.236	2019	2023	2026	rVB2	202196	224769	12.69%	0.732%
65	14.271	2026	2029	2032	rVB2	161815	153886	8.69%	0.501%
66	14.336	2034	2040	2042	rBV4	75262	148241	8.37%	0.483%
67	14.360	2042	2044	2046	rBV2	97180	65763	3.71%	0.214%
68	14.383	2046	2048	2052	rVB2	87040	91724	5.18%	0.299%
69	14.430	2054	2056	2063	rVB3	83367	95115	5.37%	0.310%
70	14.530	2070	2073	2077	rBV2	105700	137108	7.74%	0.446%
71	14.612	2084	2087	2088	rBV	84046	69259	3.91%	0.225%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092018\
 Data File : BF109193.D
 Acq On : 20 Sep 2018 20:26
 Operator : JU/SJ
 Sample : J4987-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

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-BF091418.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.636	2088	2091	2095	rVB3	81108	98555	5.56%	0.321%
73	14.707	2098	2103	2110	rVB4	85229	171075	9.66%	0.557%
74	14.777	2111	2115	2118	rVB	66913	76590	4.32%	0.249%
75	14.807	2118	2120	2124	rVB	45967	35289	1.99%	0.115%
76	14.865	2124	2130	2132	rBV2	675179	947762	53.50%	3.086%
77	14.936	2139	2142	2143	rBV	32467	36299	2.05%	0.118%
78	14.959	2143	2146	2149	rVB2	123598	132619	7.49%	0.432%
79	15.101	2166	2170	2172	rBV	68998	68947	3.89%	0.224%
80	15.142	2173	2177	2183	rVB	371369	492249	27.79%	1.603%
81	15.201	2183	2187	2193	rBV2	379805	515495	29.10%	1.678%
82	15.259	2193	2197	2200	rVV2	559802	720826	40.69%	2.347%
83	15.289	2200	2202	2208	rVB2	126087	201952	11.40%	0.657%
84	15.406	2217	2222	2228	rBV	76975	121737	6.87%	0.396%
85	15.595	2251	2254	2261	rVB3	33435	53165	3.00%	0.173%
86	15.706	2268	2273	2277	rBV2	64137	102435	5.78%	0.333%
87	15.783	2282	2286	2291	rVB6	72635	130911	7.39%	0.426%
88	16.095	2333	2339	2345	rBV6	23265	48918	2.76%	0.159%
89	16.177	2348	2353	2355	rVV3	58247	77046	4.35%	0.251%
90	16.206	2355	2358	2361	rVB	74943	80616	4.55%	0.262%
91	16.289	2367	2372	2377	rVB7	43785	67336	3.80%	0.219%
92	16.448	2390	2399	2406	rBV7	41331	137730	7.78%	0.448%
93	16.606	2418	2426	2432	rVB2	143067	241342	13.62%	0.786%
94	16.730	2442	2447	2449	rVB3	40148	60209	3.40%	0.196%
95	16.765	2449	2453	2458	rBV2	19379	35338	1.99%	0.115%
96	16.818	2458	2462	2468	rVV3	25090	46693	2.64%	0.152%
97	17.012	2488	2495	2507	rVB	95446	216444	12.22%	0.705%
98	17.177	2517	2523	2527	rBV6	27162	60502	3.42%	0.197%
99	17.348	2550	2552	2563	rVB6	20667	42974	2.43%	0.140%
100	18.100	2675	2680	2693	rVB6	20875	57838	3.27%	0.188%

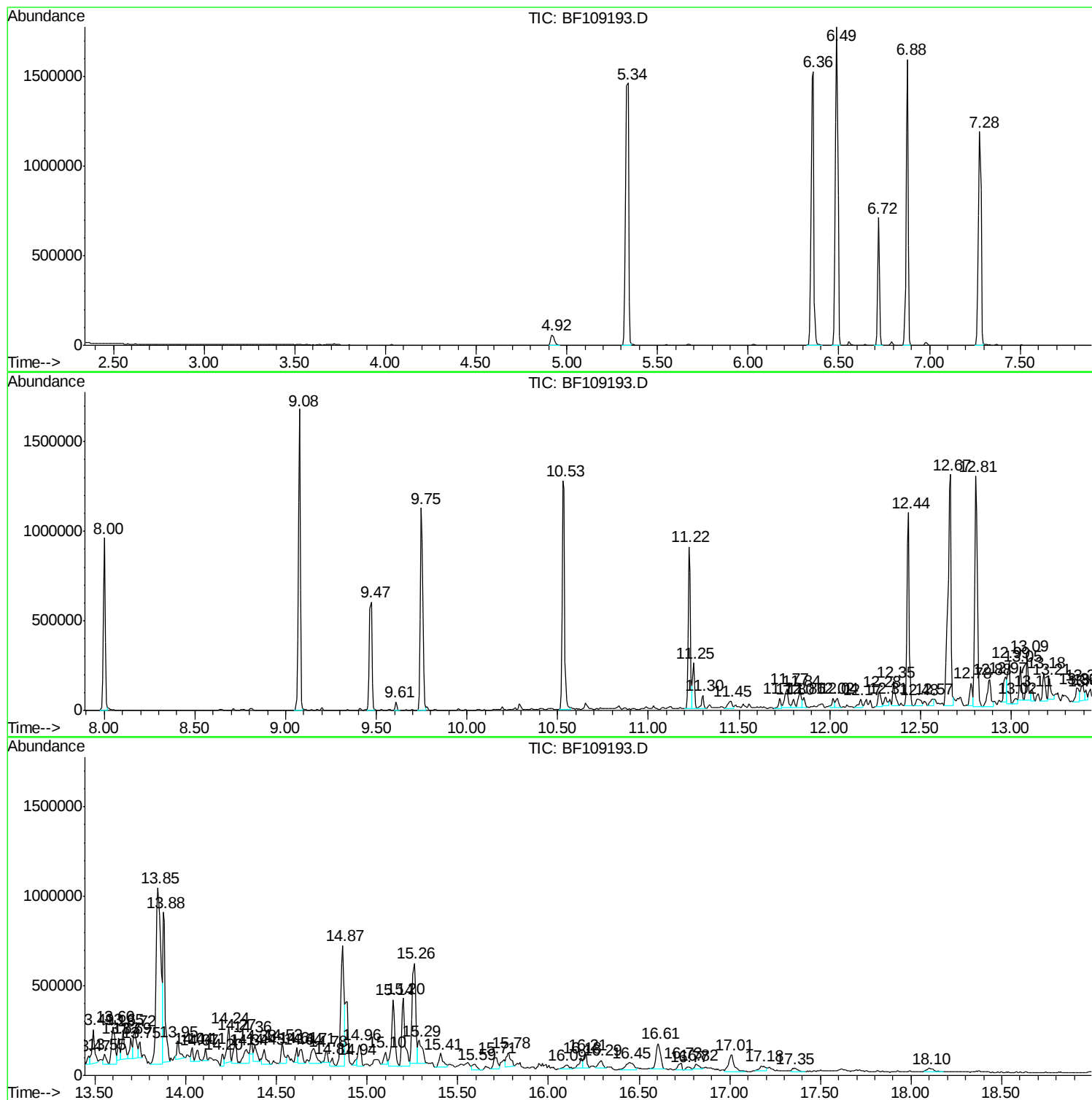
Sum of corrected areas: 30715348

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

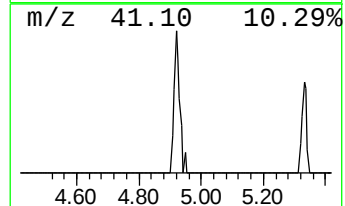
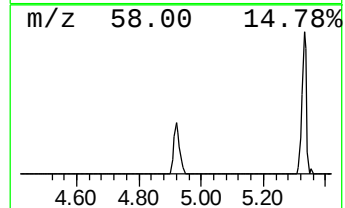
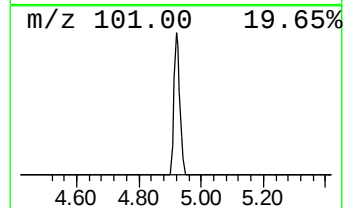
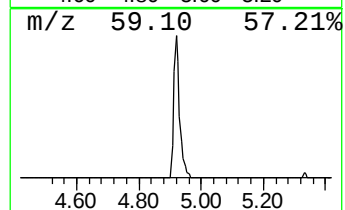
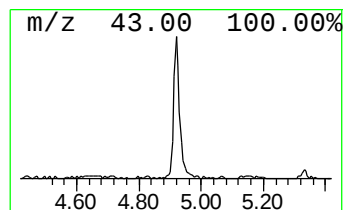
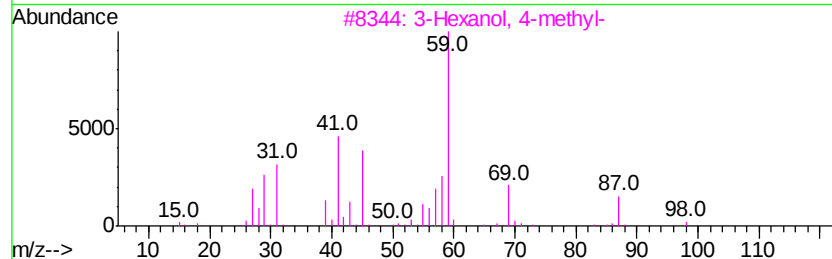
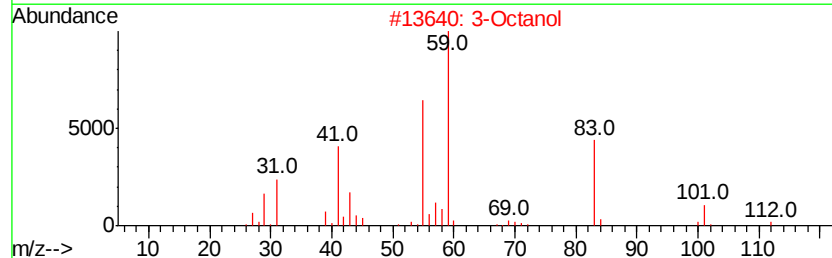
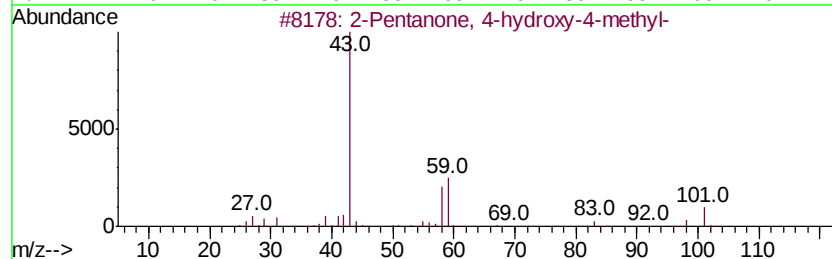
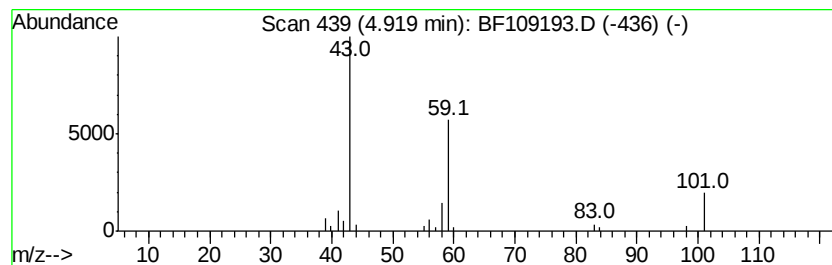
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	2.51 ng	71026	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	3-Octanol	130	C8H18O	000589-98-0	25		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25		
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9		
5	Propylamine	59	C3H9N	000107-10-8	9		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

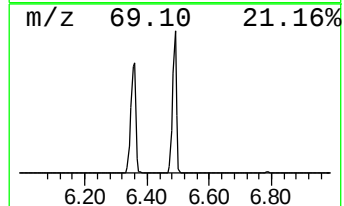
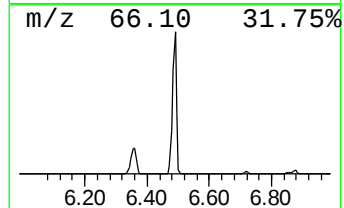
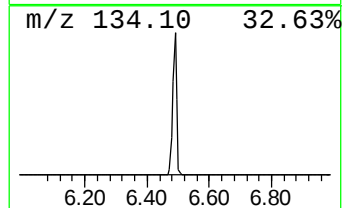
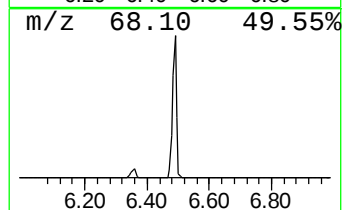
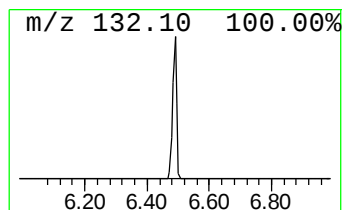
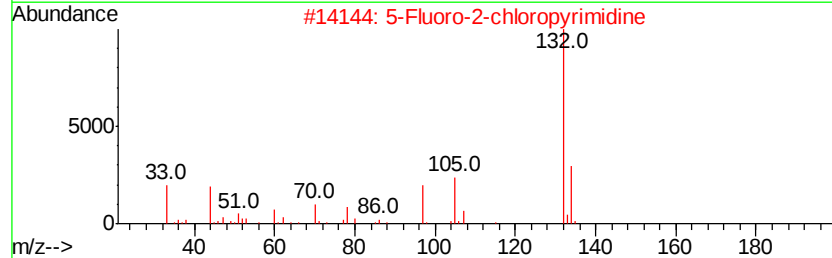
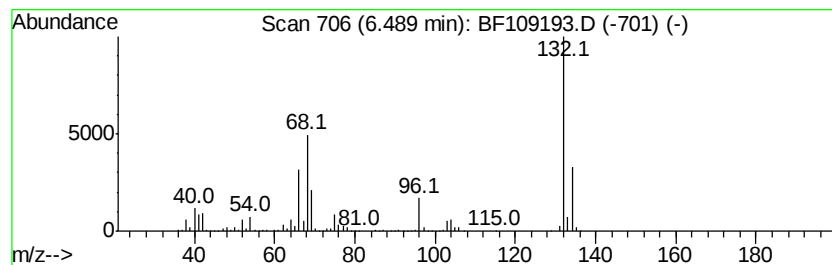
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	56.57 ng	1598250	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

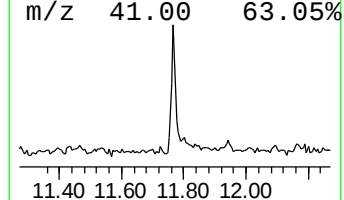
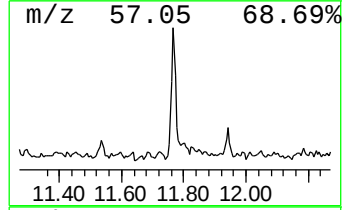
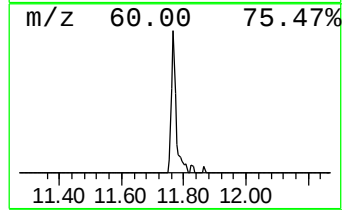
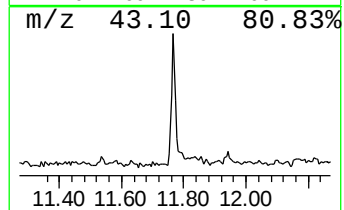
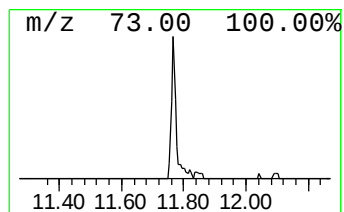
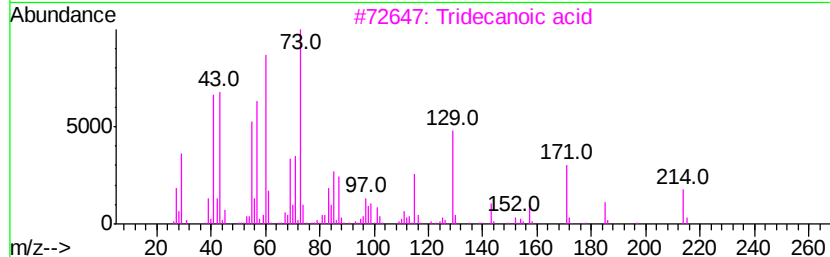
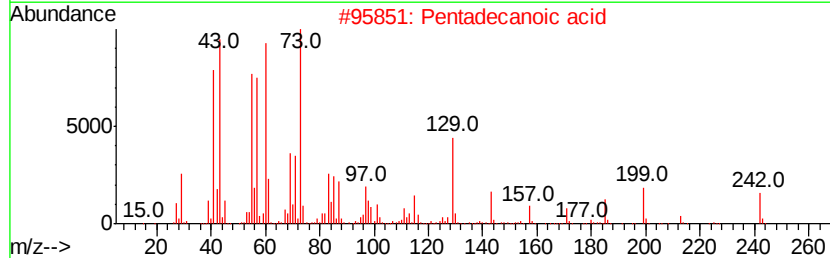
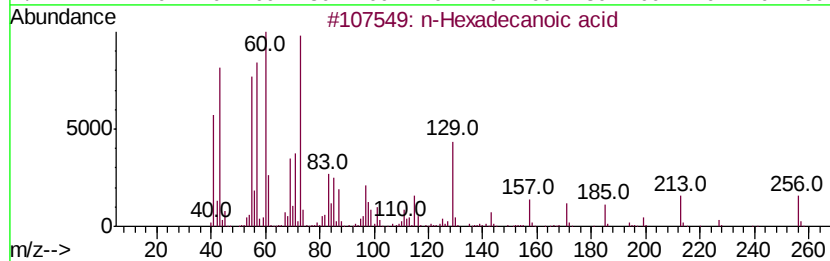
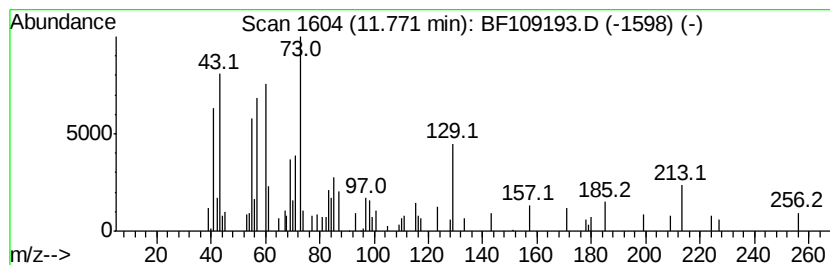
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.48 ng	149163	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

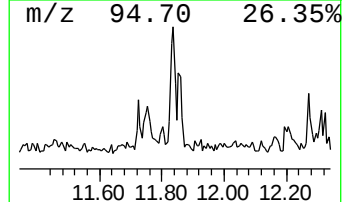
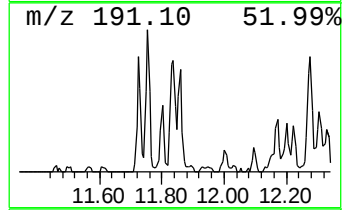
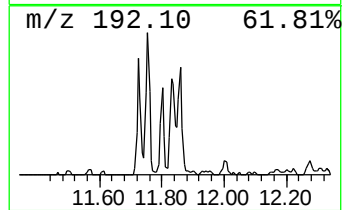
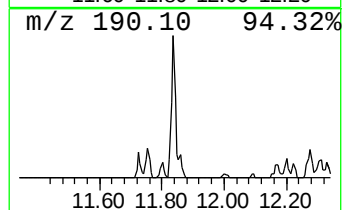
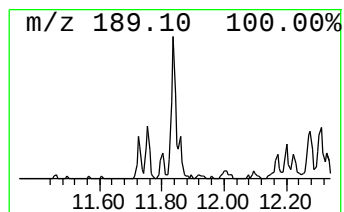
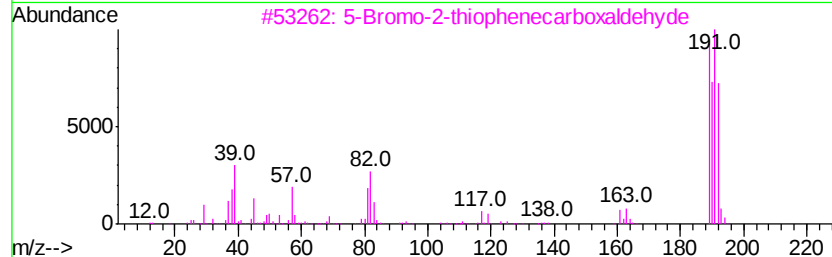
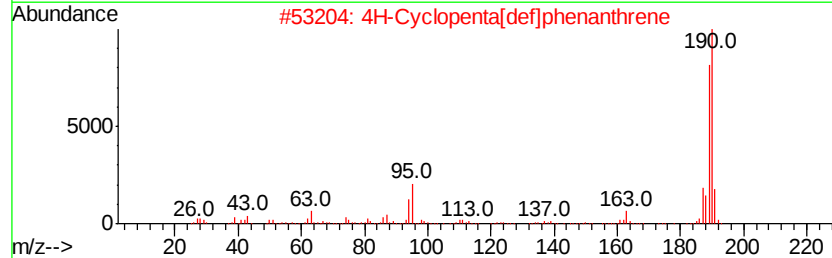
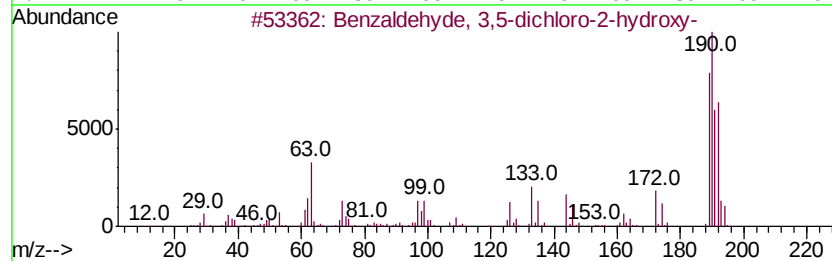
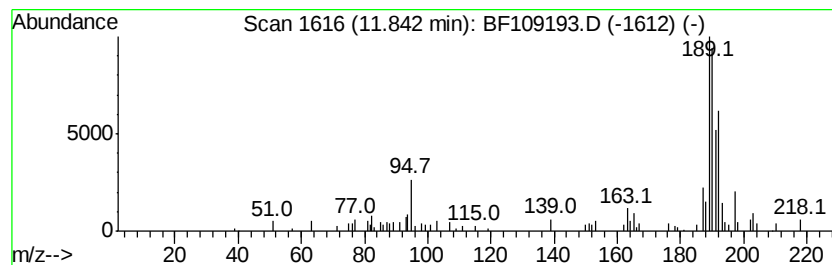
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.46 ng	105440	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

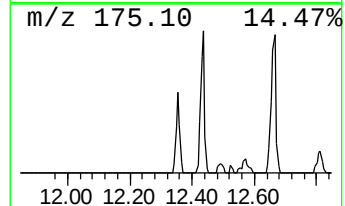
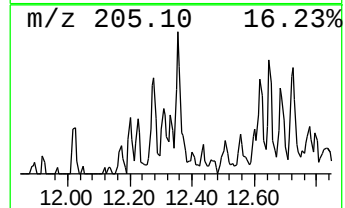
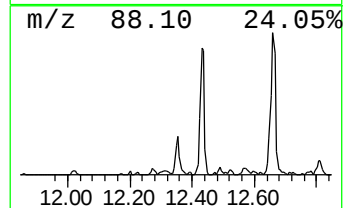
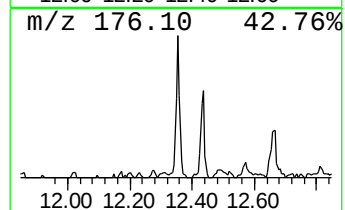
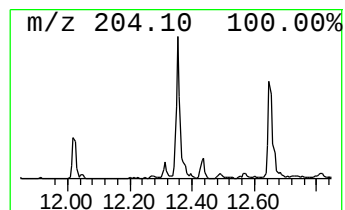
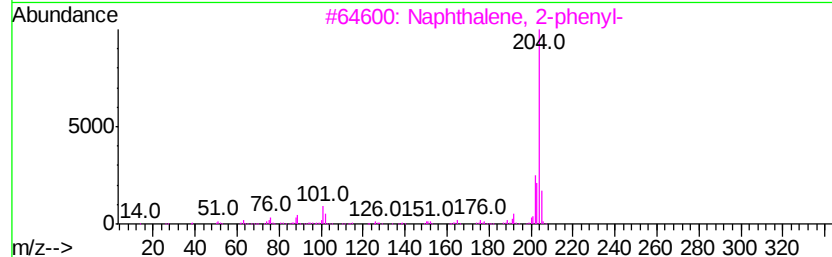
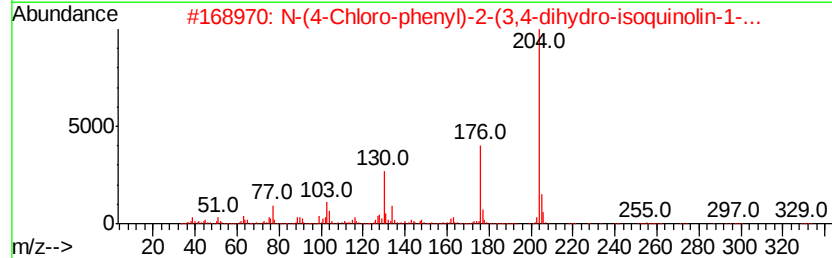
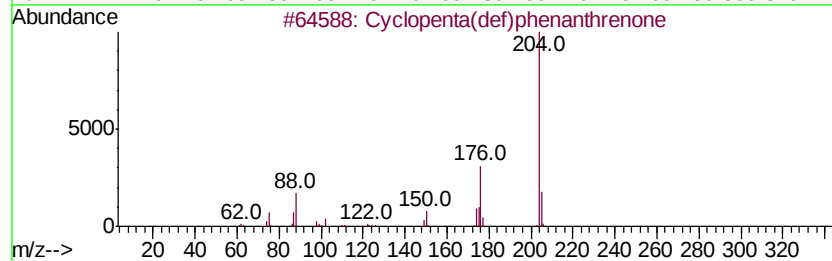
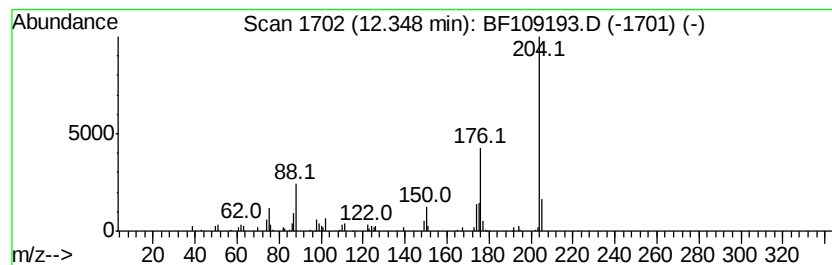
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.89 ng	123743	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
4		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

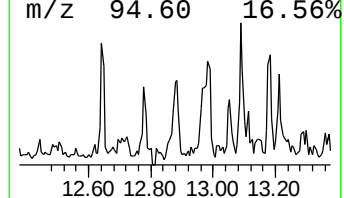
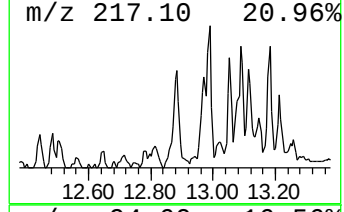
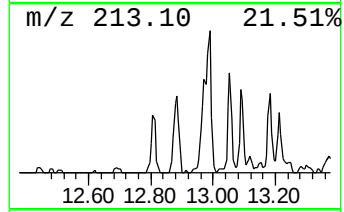
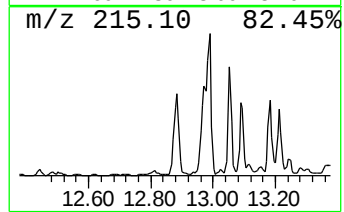
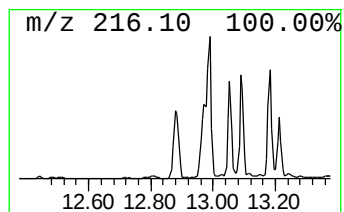
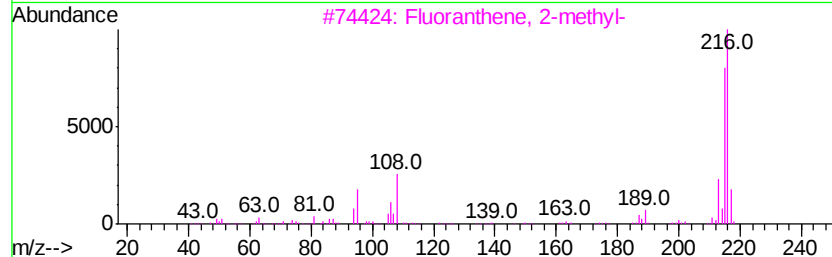
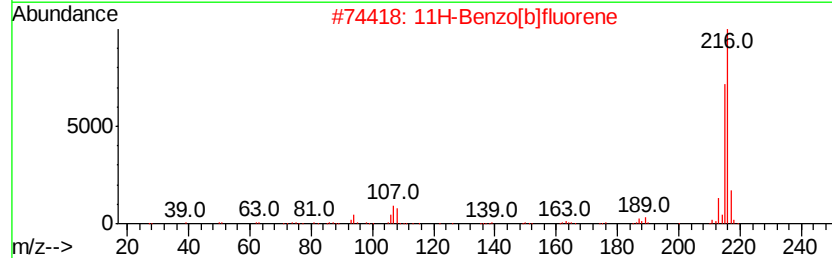
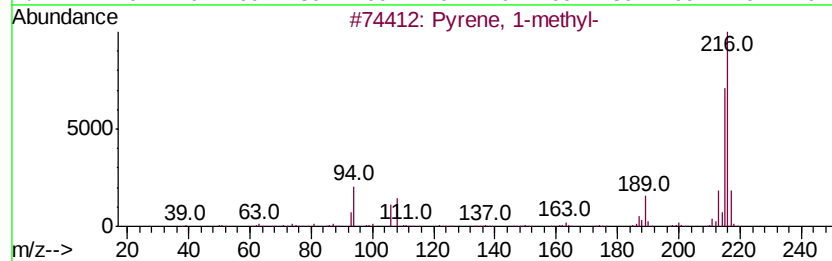
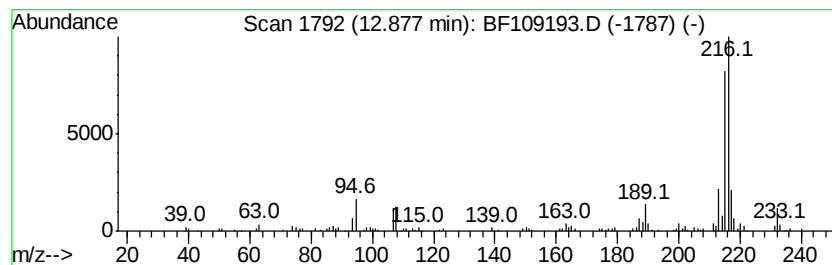
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	2.62 ng	232225	Chrysene-d12	13.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

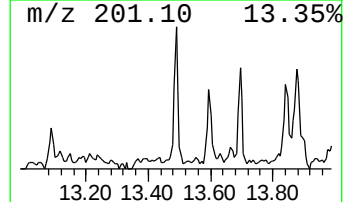
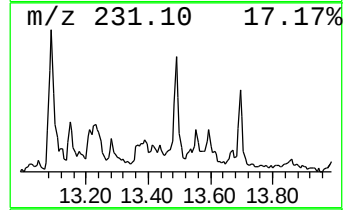
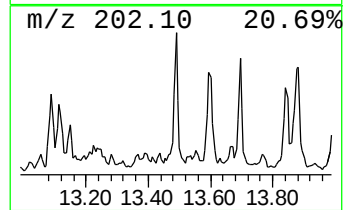
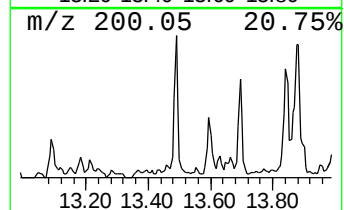
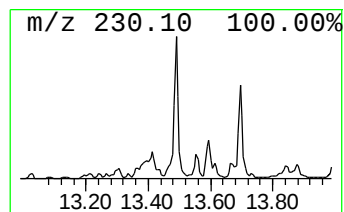
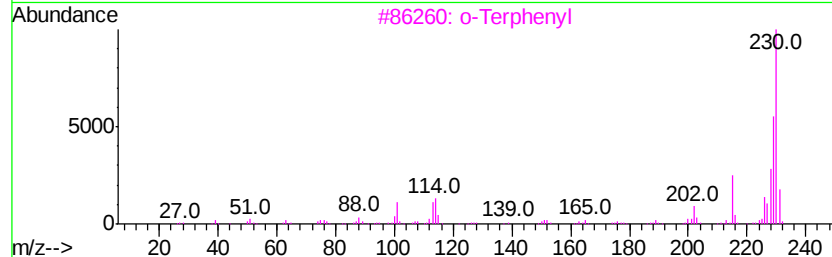
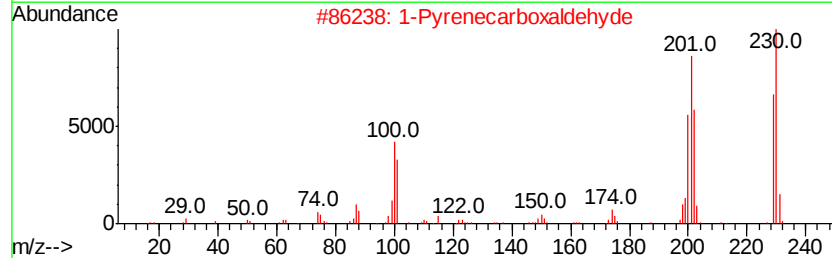
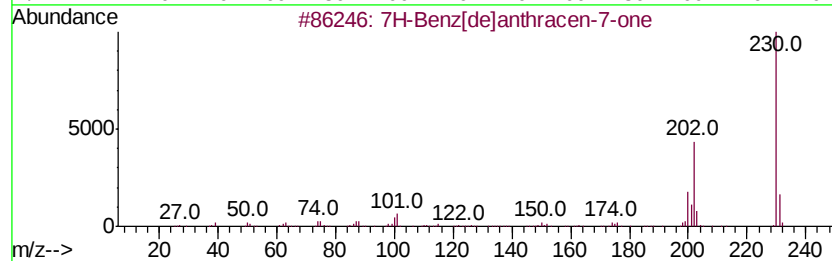
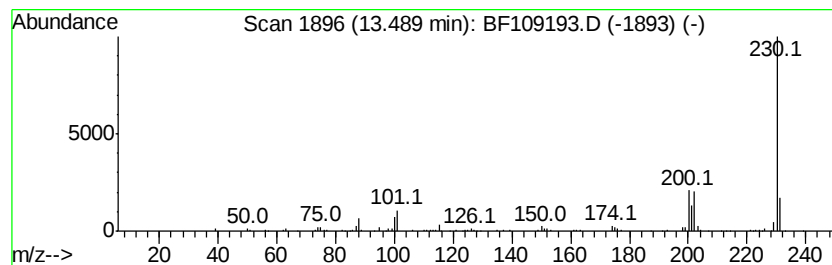
Instrument :
BNA_F
ClientSampleId :
RBR200036

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.49	2.42 ng	214106	Chrysene-d12		13.85	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
3		o-Terphenyl	230	C18H14	000084-15-1	53
4		5,6-Dihydrochrysene	230	C18H14	002091-92-1	50
5		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

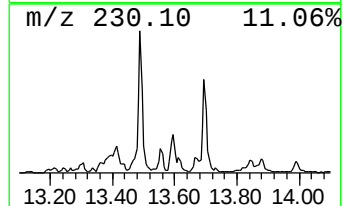
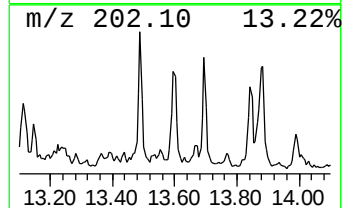
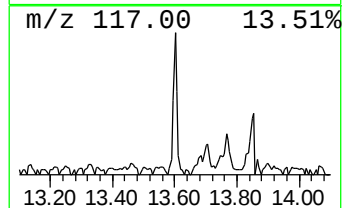
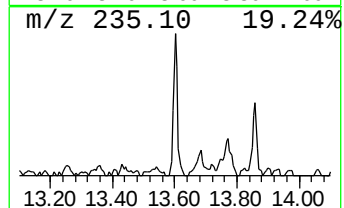
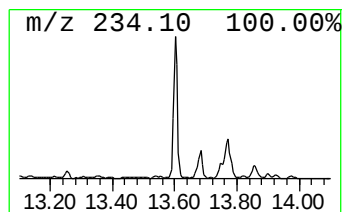
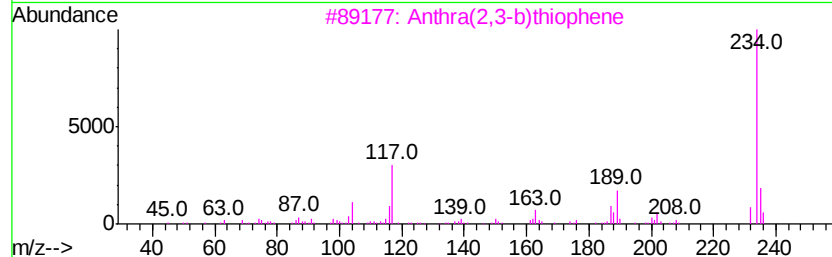
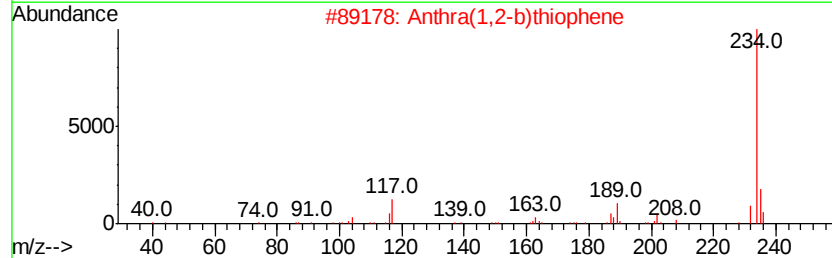
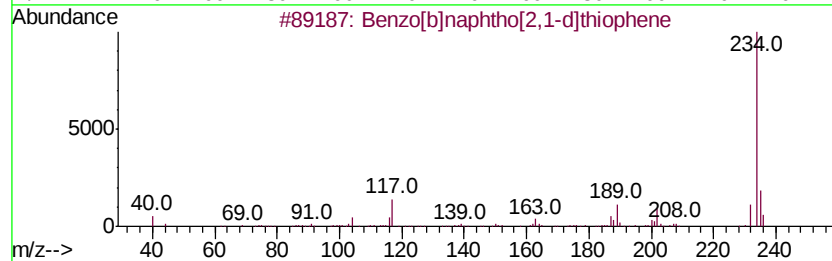
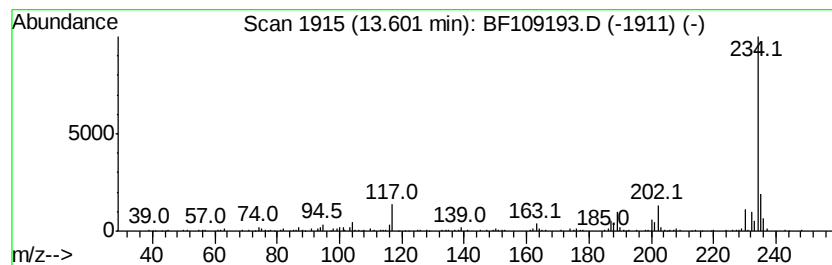
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.92 ng	259048	Chrysene-d12	13.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
3			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
4			Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	94
5			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

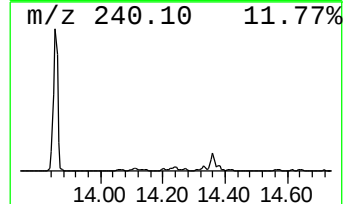
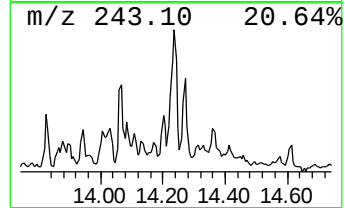
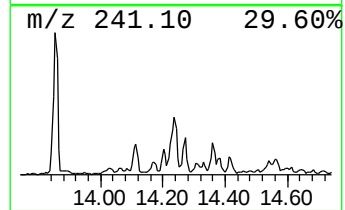
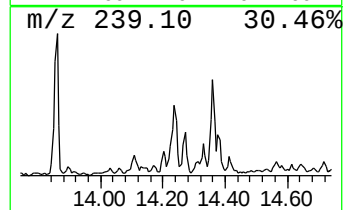
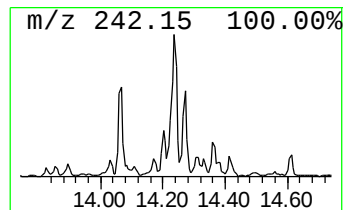
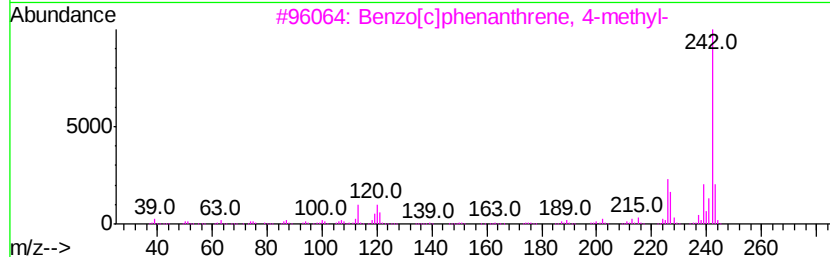
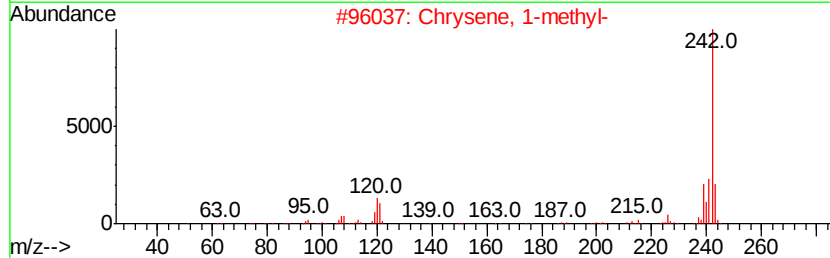
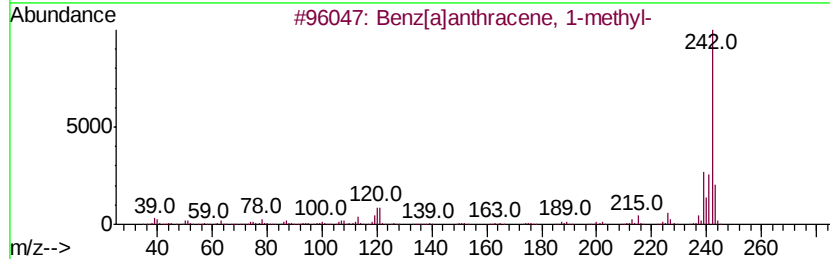
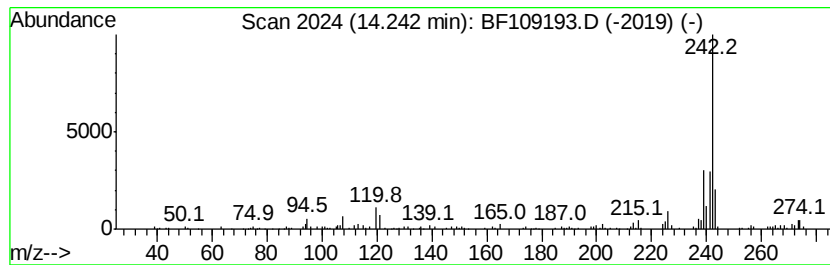
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benz[a]anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	2.54 ng	224769	Chrysene-d12	13.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
2			Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3			Benzo[c]phenanthrene, 4-methyl-	242	C19H14	004076-40-8	94
4			Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
5			Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

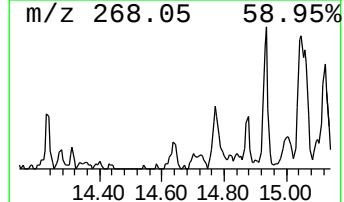
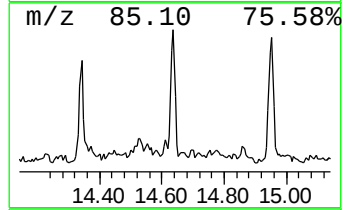
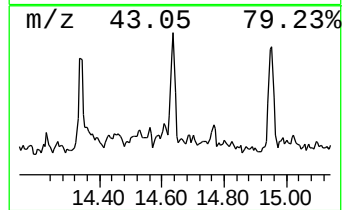
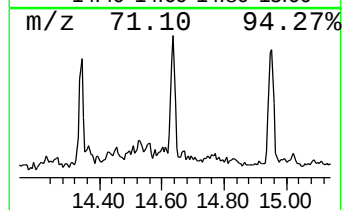
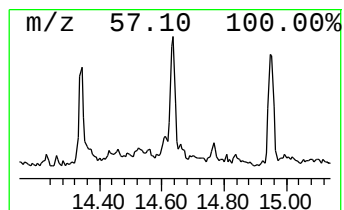
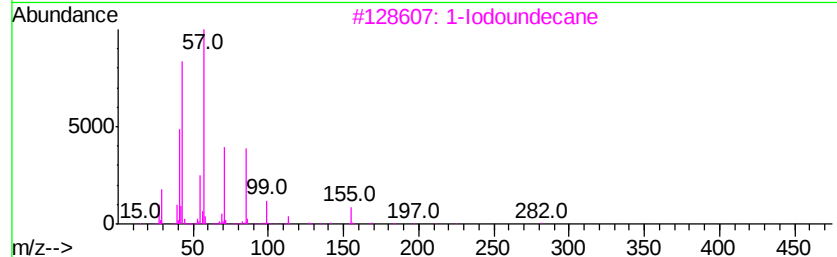
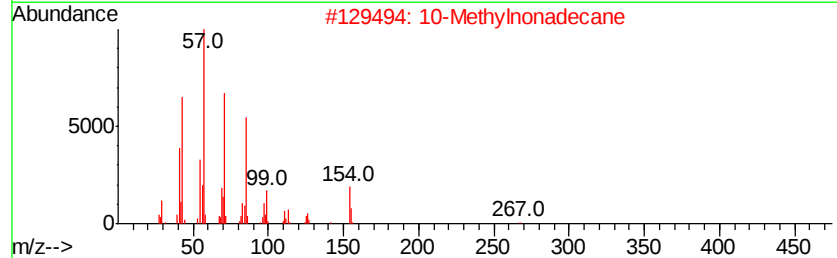
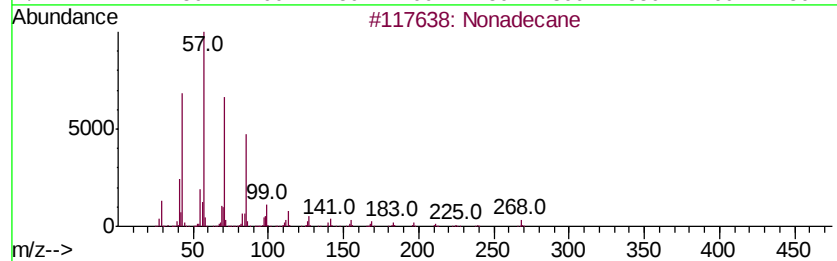
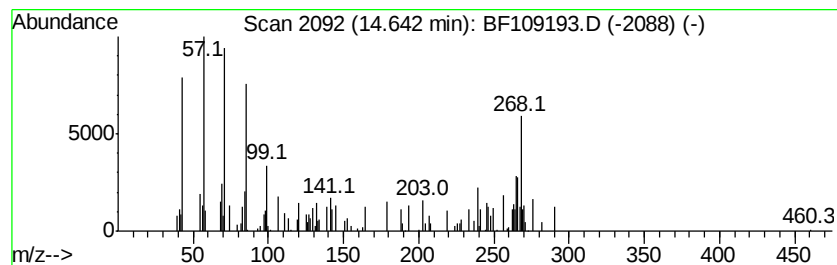
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.73 ng	98555	Perylene-d12	15.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	64
2		10-Methylnonadecane	282	C20H42	056862-62-5	52
3		1-Iodoundecane	282	C11H23I	004282-44-4	50
4		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	47
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

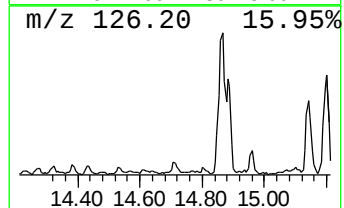
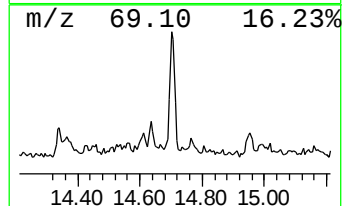
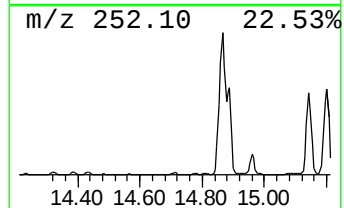
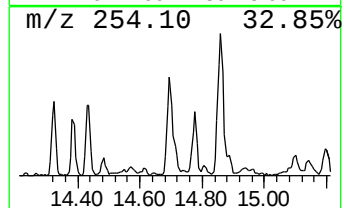
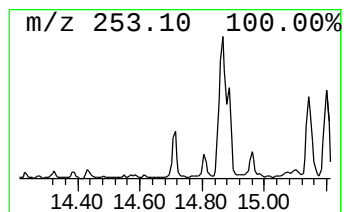
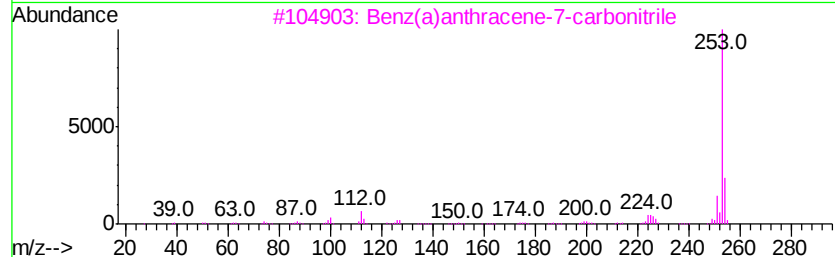
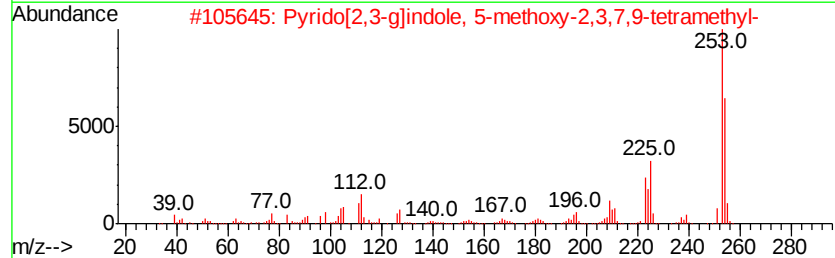
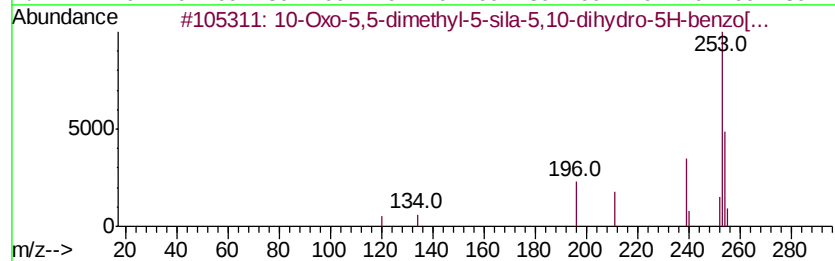
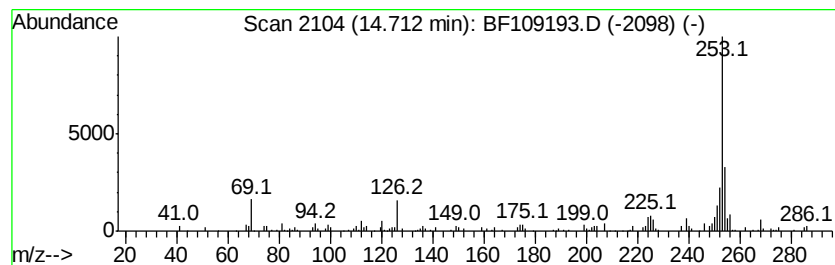
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 10-Oxo-5,5-dimethyl-5-sila-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	4.75 ng	171075	Perylene-d12	15.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	53
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	49
4		2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	49
5		Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

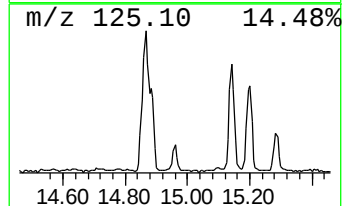
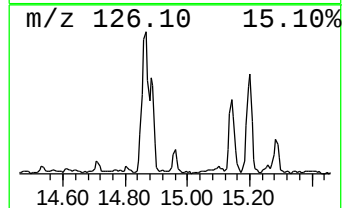
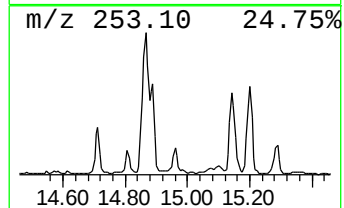
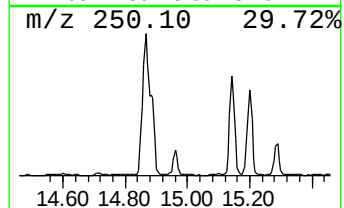
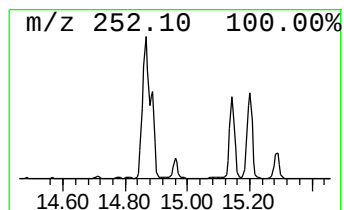
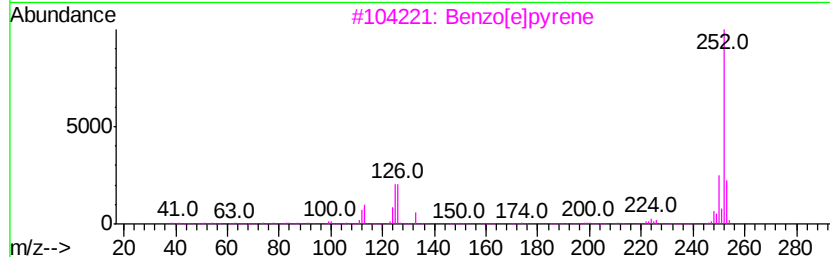
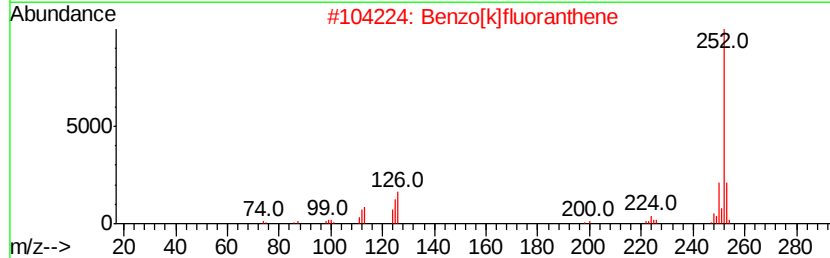
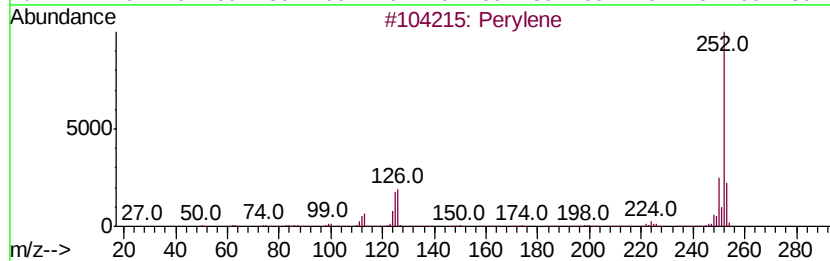
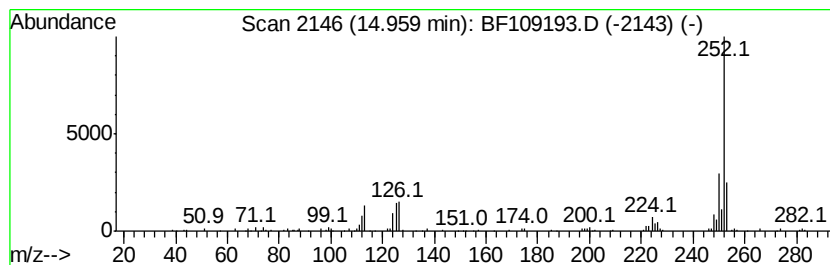
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	3.68 ng	132619	Perylene-d12	15.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene		252	C20H12	000198-55-0	96
2	Benzo[k]fluoranthene		252	C20H12	000207-08-9	93
3	Benzo[e]pyrene		252	C20H12	000192-97-2	93
4	Benzo[e]acephenanthrylene		252	C20H12	000205-99-2	90
5	Benzo[a]pyrene		252	C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

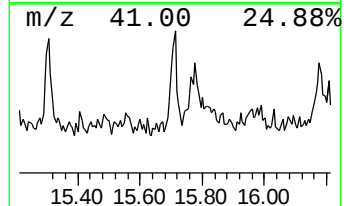
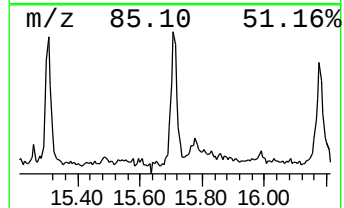
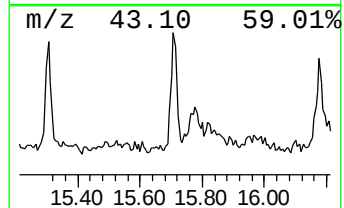
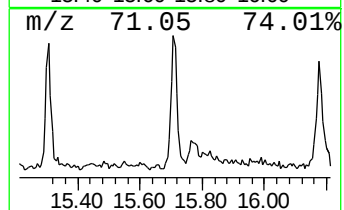
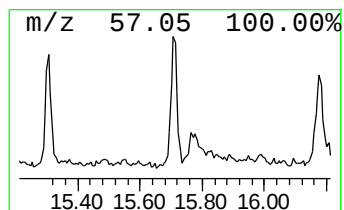
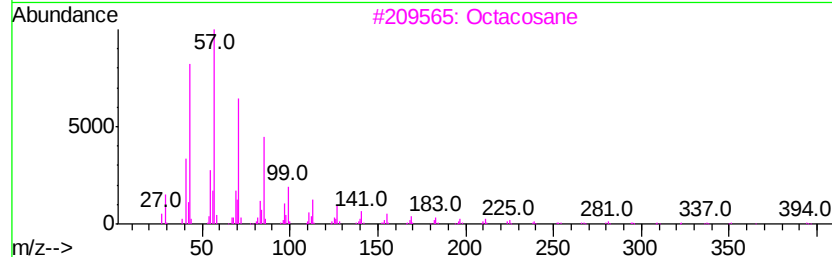
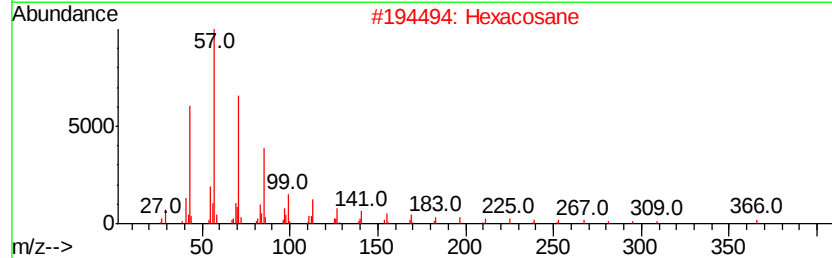
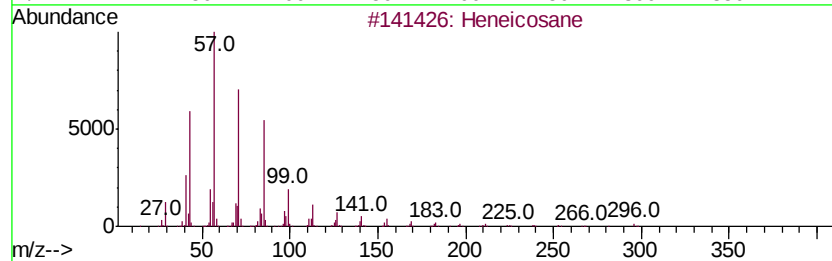
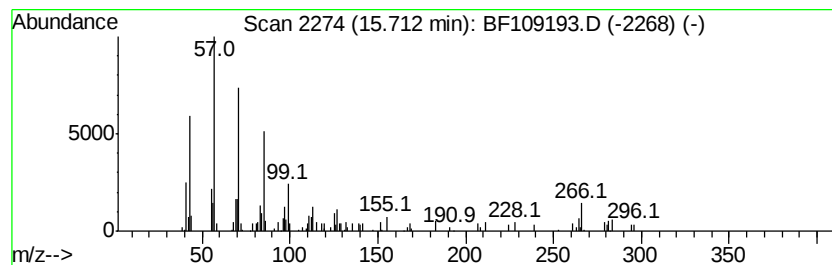
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	2.84 ng	102435	Perylene-d12	15.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	76
2		Hexacosane	366	C26H54	000630-01-3	68
3		Octacosane	394	C28H58	000630-02-4	68
4		2-methyloctacosane	408	C29H60	1000376-72-8	64
5		Tetratetracontane	619	C44H90	007098-22-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

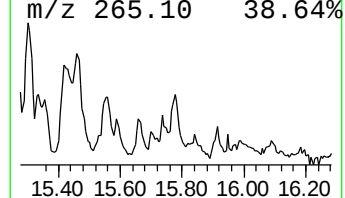
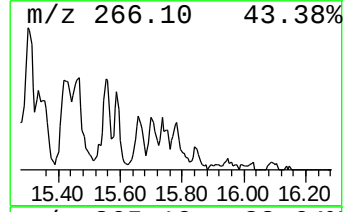
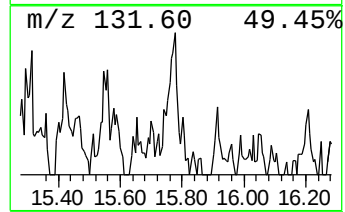
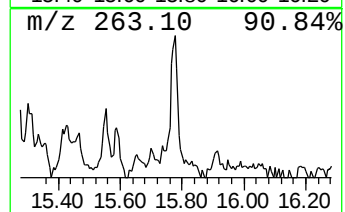
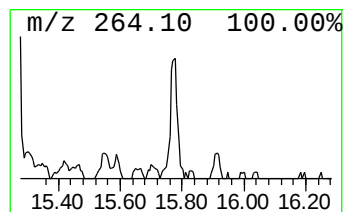
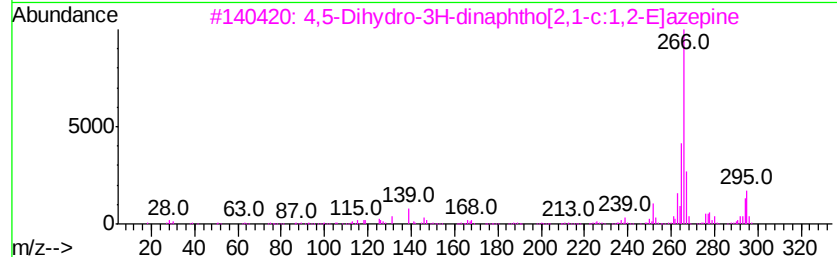
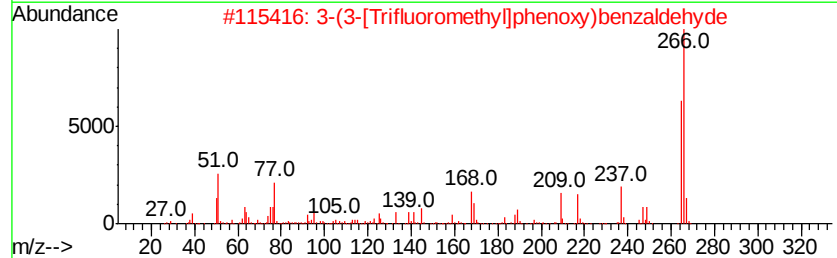
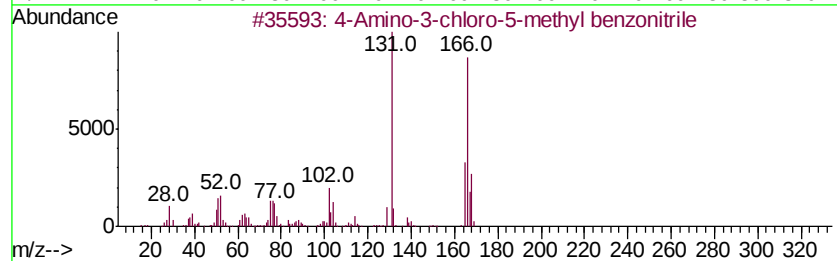
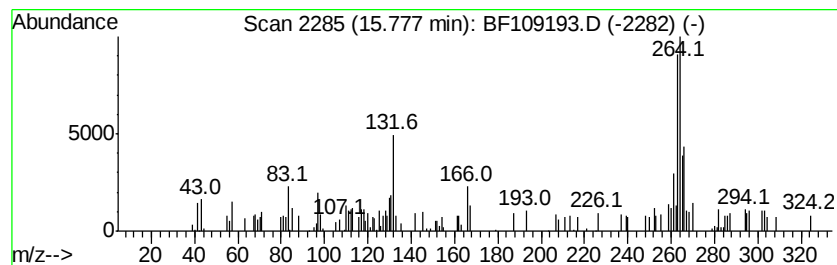
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown15.78 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	3.63 ng	130911	Perylene-d12	15.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Amino-3-chloro-5-methyl benzon...	166	C8H7ClN2	158296-69-6	14
2			3-(3-(Trifluoromethyl)phenoxy)be...	266	C14H9F3O2	078725-46-9	11
3			4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	10
4			5H-Dibenz[b,f]azepine, 3,7-dichl...	263	C14H11Cl2N	013080-74-5	10
5			Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109193.D
Acq On : 20 Sep 2018 20:26
Operator : JU/SJ
Sample : J4987-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR200036

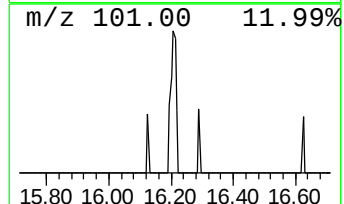
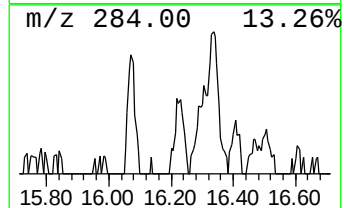
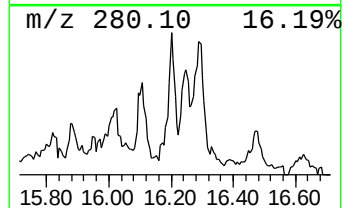
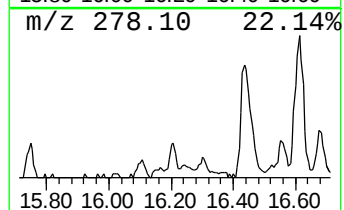
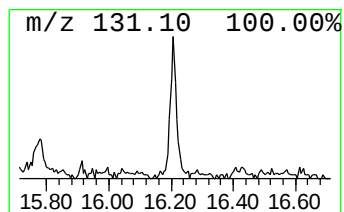
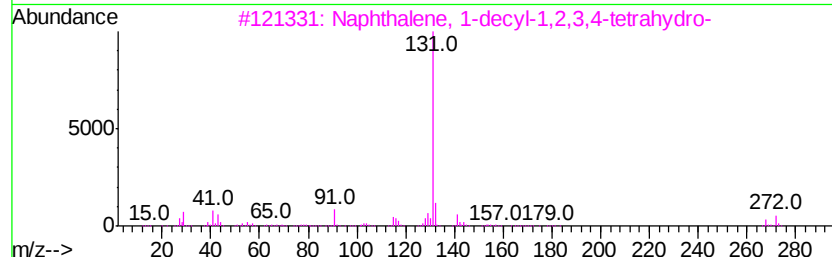
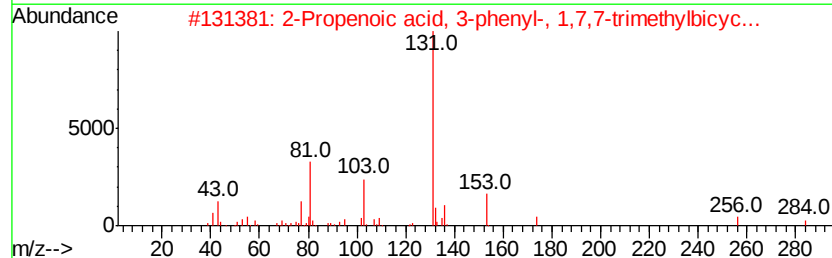
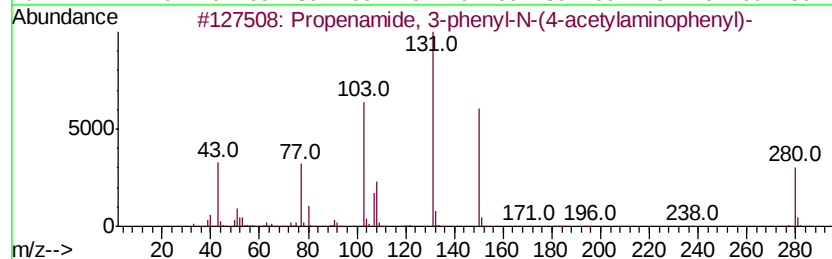
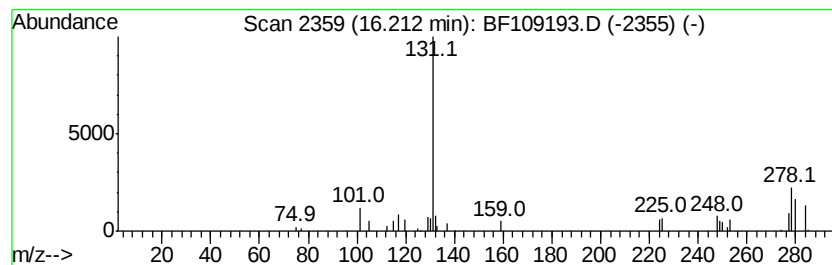
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.21 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.24 ng	80616	Perylene-d12	15.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propenamide, 3-phenyl-N-(4-acety...	280	C17H16N2O2	324055-10-9	37
2		2-Propenoic acid, 3-phenyl-, 1,7...	284	C19H24O2	006330-67-2	35
3		Naphthalene, 1-decyl-1,2,3,4-tet...	272	C20H32	055255-57-7	27
4		Indan, 1-methyl-3-nonyl-	258	C19H30	029138-85-0	27
5		Naphthalene, 1,2,3,4-tetrahydro-...	258	C19H30	033425-49-9	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092018\
 Data File : BF109193.D
 Acq On : 20 Sep 2018 20:26
 Operator : JU/SJ
 Sample : J4987-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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	2.5	ng	71026	1	6.72	565016	20.0
unknown6.49	6.49	56.6	ng	1598250	1	6.72	565016	20.0
n-Hexadecanoic acid	11.77	3.5	ng	149163	4	11.22	856348	20.0
Benzaldehyde, 3,5...	11.84	2.5	ng	105440	4	11.22	856348	20.0
Cyclopenta(def)ph...	12.35	2.9	ng	123743	4	11.22	856348	20.0
Pyrene, 1-methyl-	12.88	2.6	ng	232225	5	13.85	1771360	20.0
7H-Benz[de]anthra...	13.49	2.4	ng	214106	5	13.85	1771360	20.0
Benzo[b]naphtho[2...	13.60	2.9	ng	259048	5	13.85	1771360	20.0
Benz[a]anthracene...	14.24	2.5	ng	224769	5	13.85	1771360	20.0
Nonadecane	14.64	2.7	ng	98555	6	15.26	720826	20.0
10-Oxo-5,5-dimeth...	14.71	4.8	ng	171075	6	15.26	720826	20.0
Perylene	14.96	3.7	ng	132619	6	15.26	720826	20.0
Heneicosane	15.71	2.8	ng	102435	6	15.26	720826	20.0
unknown15.78	15.78	3.6	ng	130911	6	15.26	720826	20.0
unknown16.21	16.21	2.2	ng	80616	6	15.26	720826	20.0