

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106500.D
 Acq On : 15 Jun 2018 19:00
 Operator : JU/SJ
 Sample : J3486-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-9

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-BF061118.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	4.102	296	300	306	rVB	85013	100541	4.08%	0.270%
2	5.201	483	487	495	rVB	236092	277201	11.24%	0.746%
3	5.613	553	557	563	rBV	2406320	2467004	100.00%	6.636%
4	6.607	722	726	740	rBV	2590164	2464832	99.91%	6.631%
5	6.743	745	749	753	rBV	2599914	2443744	99.06%	6.574%
6	6.966	783	787	790	rBV	1040759	827524	33.54%	2.226%
7	7.119	809	813	817	rBV	2072649	1969341	79.83%	5.298%
8	7.525	877	882	885	rBV	1629877	1661243	67.34%	4.469%
9	8.248	1001	1005	1008	rBV	1186115	1032272	41.84%	2.777%
10	9.319	1183	1187	1191	rBV	2621902	2464156	99.88%	6.629%
11	9.713	1251	1254	1259	rVB	367570	295127	11.96%	0.794%
12	9.866	1277	1280	1284	rBV	67838	53864	2.18%	0.145%
13	10.007	1300	1304	1307	rBV	1195084	1016083	41.19%	2.733%
14	10.036	1307	1309	1312	rVB	61535	47409	1.92%	0.128%
15	10.207	1332	1338	1341	rVB3	31978	36018	1.46%	0.097%
16	10.419	1372	1374	1377	rVB	81130	60440	2.45%	0.163%
17	10.554	1393	1397	1401	rVB2	45595	45587	1.85%	0.123%
18	10.636	1403	1411	1414	rBV3	28554	44668	1.81%	0.120%
19	10.707	1421	1423	1430	rVB2	27521	31010	1.26%	0.083%
20	10.795	1434	1438	1442	rBV	1417656	1388847	56.30%	3.736%
21	10.895	1452	1455	1465	rVB2	73576	95370	3.87%	0.257%
22	11.101	1484	1490	1492	rBV5	27163	40732	1.65%	0.110%
23	11.230	1507	1512	1513	rBV4	30428	33570	1.36%	0.090%
24	11.248	1513	1515	1521	rVV3	28509	38345	1.55%	0.103%
25	11.301	1521	1524	1527	rVB2	33226	29586	1.20%	0.080%
26	11.342	1527	1531	1534	rBV2	70570	69175	2.80%	0.186%
27	11.395	1538	1540	1544	rVB	39393	33567	1.36%	0.090%
28	11.495	1553	1557	1560	rBV	938299	931473	37.76%	2.506%
29	11.519	1560	1561	1565	rVV	658911	496417	20.12%	1.335%
30	11.572	1565	1570	1573	rVV	181988	158687	6.43%	0.427%
31	11.725	1589	1596	1602	rBV3	40076	70018	2.84%	0.188%
32	12.001	1637	1643	1645	rBV	118823	118739	4.81%	0.319%
33	12.025	1645	1647	1650	rVV	168964	148043	6.00%	0.398%
34	12.072	1652	1655	1658	rVV	73637	68385	2.77%	0.184%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106500.D
 Acq On : 15 Jun 2018 19:00
 Operator : JU/SJ
 Sample : J3486-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-9

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-BF061118.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.113	1658	1662	1664	rVV2	169013	191419	7.76%	0.515%
36	12.136	1664	1666	1669	rVB	87190	71770	2.91%	0.193%
37	12.295	1690	1693	1695	rBV	94088	80516	3.26%	0.217%
38	12.319	1695	1697	1701	rVB2	51505	41706	1.69%	0.112%
39	12.495	1725	1727	1730	rVB	36499	29543	1.20%	0.079%
40	12.548	1730	1736	1739	rBV	93003	120535	4.89%	0.324%
41	12.589	1740	1743	1745	rVV2	51201	67551	2.74%	0.182%
42	12.636	1748	1751	1756	rVB2	92346	100940	4.09%	0.272%
43	12.719	1760	1765	1768	rBV	1311575	1236557	50.12%	3.326%
44	12.777	1773	1775	1778	rVB2	36901	29638	1.20%	0.080%
45	12.807	1778	1780	1783	rBV	98945	80947	3.28%	0.218%
46	12.866	1787	1790	1792	rBV	44085	35540	1.44%	0.096%
47	12.924	1797	1800	1801	rBV	249223	220099	8.92%	0.592%
48	12.948	1801	1804	1809	rVB	1287475	1130501	45.82%	3.041%
49	12.989	1809	1811	1816	rVB2	82828	88575	3.59%	0.238%
50	13.083	1816	1827	1830	rBV	2187366	2067407	83.80%	5.561%
51	13.160	1835	1840	1845	rBV4	105178	206041	8.35%	0.554%
52	13.248	1851	1855	1856	rBV3	90069	102402	4.15%	0.275%
53	13.272	1856	1859	1862	rVB	184300	173670	7.04%	0.467%
54	13.336	1868	1870	1873	rBV	82163	67859	2.75%	0.183%
55	13.377	1873	1877	1880	rVV2	166188	182703	7.41%	0.491%
56	13.430	1884	1886	1890	rBV3	38370	50820	2.06%	0.137%
57	13.472	1890	1893	1895	rVB	81533	67642	2.74%	0.182%
58	13.501	1895	1898	1901	rBV4	86551	88589	3.59%	0.238%
59	13.554	1904	1907	1910	rBV2	74436	72748	2.95%	0.196%
60	13.648	1920	1923	1925	rBV3	25050	36651	1.49%	0.099%
61	13.754	1938	1941	1943	rBV2	29730	34509	1.40%	0.093%
62	13.777	1943	1945	1950	rVV	156229	165911	6.73%	0.446%
63	13.842	1951	1956	1959	rVB2	24774	32860	1.33%	0.088%
64	13.895	1960	1965	1968	rVV2	130160	190483	7.72%	0.512%
65	13.924	1968	1970	1972	rVV	164070	131425	5.33%	0.354%
66	13.948	1972	1974	1975	rVV	134306	113043	4.58%	0.304%
67	13.966	1975	1977	1980	rVV3	211358	280947	11.39%	0.756%
68	13.989	1980	1981	1986	rVB	165413	121292	4.92%	0.326%
69	14.066	1989	1994	1999	rBV	44956	91353	3.70%	0.246%
70	14.113	1999	2002	2004	rBV2	72530	69676	2.82%	0.187%
71	14.148	2004	2008	2011	rVV2	1343295	1986944	80.54%	5.345%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106500.D
 Acq On : 15 Jun 2018 19:00
 Operator : JU/SJ
 Sample : J3486-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-9

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-BF061118.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.177	2011	2013	2018	rVB	826629	756337	30.66%	2.035%
73	14.260	2024	2027	2031	rBV	88707	73244	2.97%	0.197%
74	14.295	2031	2033	2036	rBV2	75511	71956	2.92%	0.194%
75	14.383	2044	2048	2051	rBV2	72867	98940	4.01%	0.266%
76	14.413	2051	2053	2055	rVB	42711	34082	1.38%	0.092%
77	14.507	2067	2069	2071	rVV	45630	40362	1.64%	0.109%
78	14.548	2071	2076	2079	rVV	206418	232788	9.44%	0.626%
79	14.583	2079	2082	2085	rVV	105662	103231	4.18%	0.278%
80	14.630	2085	2090	2091	rVV4	58211	98694	4.00%	0.265%
81	14.677	2095	2098	2100	rVV	100635	92762	3.76%	0.250%
82	14.701	2100	2102	2106	rVB2	72956	67436	2.73%	0.181%
83	14.748	2106	2110	2117	rVB4	66003	110407	4.48%	0.297%
84	14.866	2127	2130	2133	rBV4	43325	61664	2.50%	0.166%
85	15.066	2158	2164	2167	rBV3	55727	96075	3.89%	0.258%
86	15.136	2172	2176	2179	rBV3	48243	67832	2.75%	0.182%
87	15.236	2188	2193	2196	rBV	588112	948160	38.43%	2.551%
88	15.348	2209	2212	2216	rVB	130424	142287	5.77%	0.383%
89	15.442	2225	2228	2231	rBV3	43873	74385	3.02%	0.200%
90	15.560	2244	2248	2254	rVB	341350	461300	18.70%	1.241%
91	15.624	2254	2259	2265	rVB	528845	661612	26.82%	1.780%
92	15.695	2266	2271	2274	rVV	657396	857684	34.77%	2.307%
93	15.724	2274	2276	2282	rVB2	167622	216687	8.78%	0.583%
94	16.160	2345	2350	2353	rBV3	37429	51880	2.10%	0.140%
95	16.283	2369	2371	2377	rVB3	27474	40412	1.64%	0.109%
96	17.254	2530	2536	2543	rBV2	161169	329606	13.36%	0.887%
97	17.442	2562	2568	2574	rBV	42559	95994	3.89%	0.258%
98	17.507	2574	2579	2585	rBV4	34668	73210	2.97%	0.197%
99	17.730	2610	2617	2625	rBV	111791	245218	9.94%	0.660%
100	17.983	2656	2660	2665	rVB2	29444	49709	2.01%	0.134%

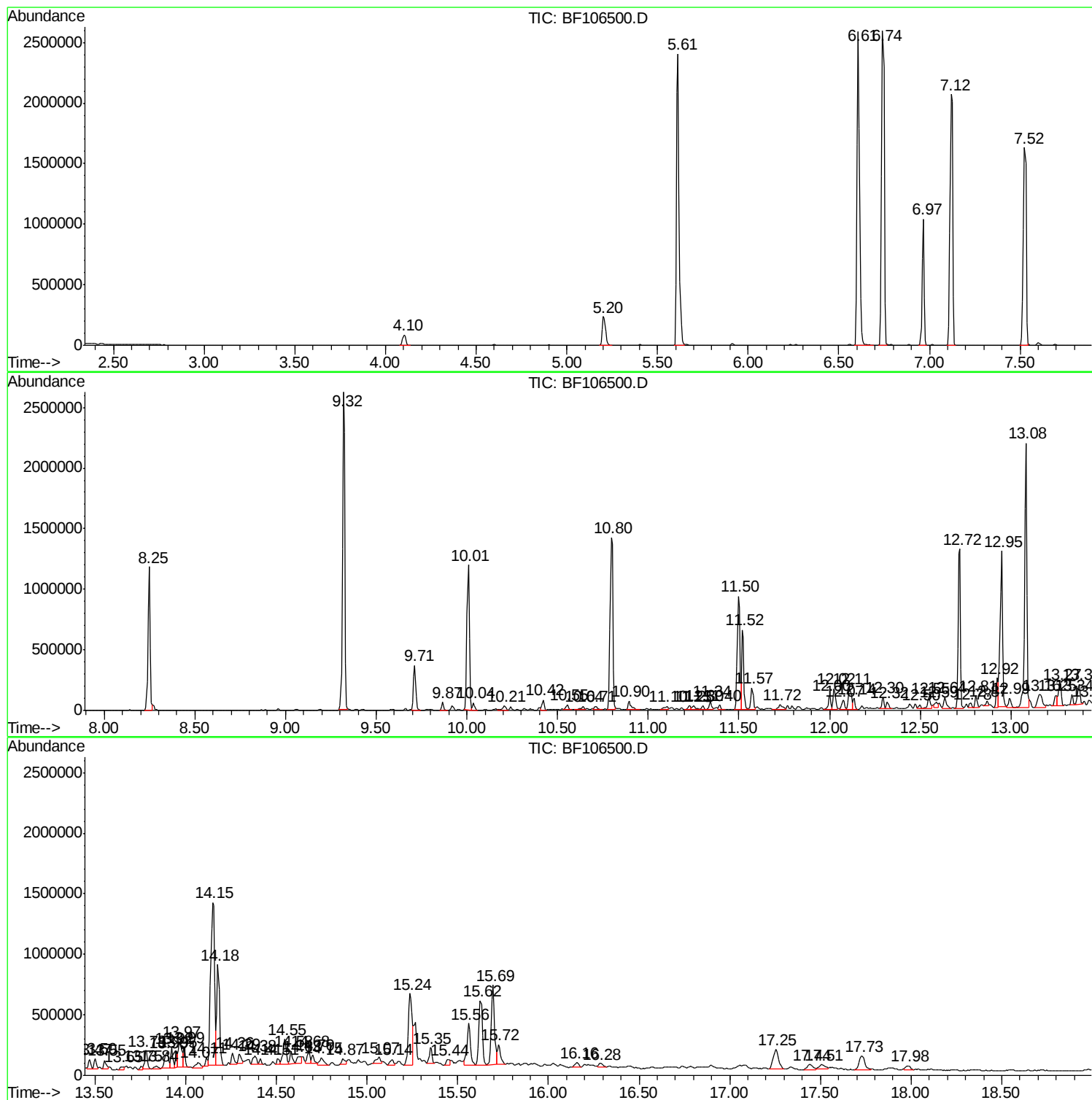
Sum of corrected areas: 37173784

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.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\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

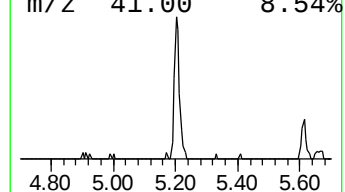
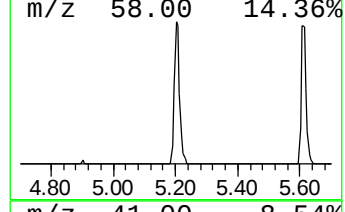
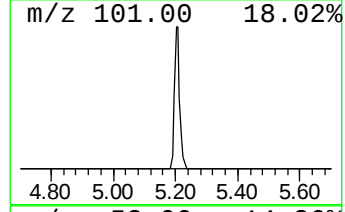
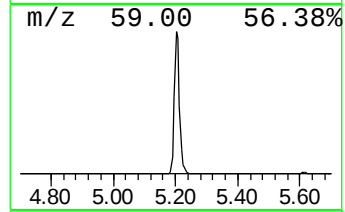
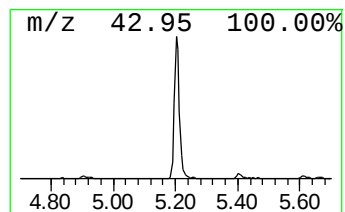
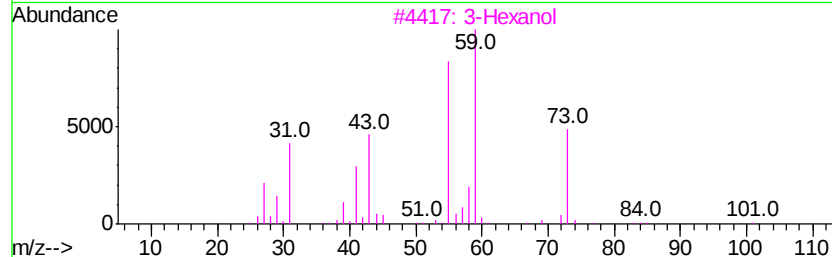
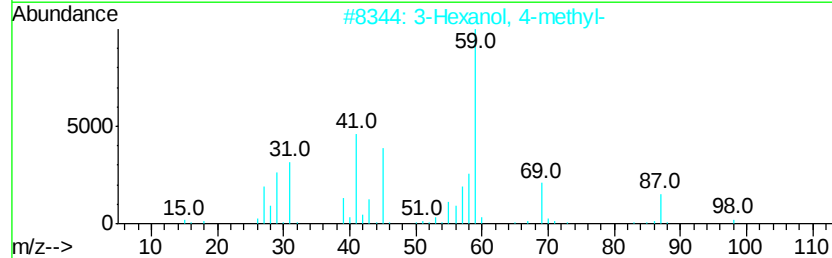
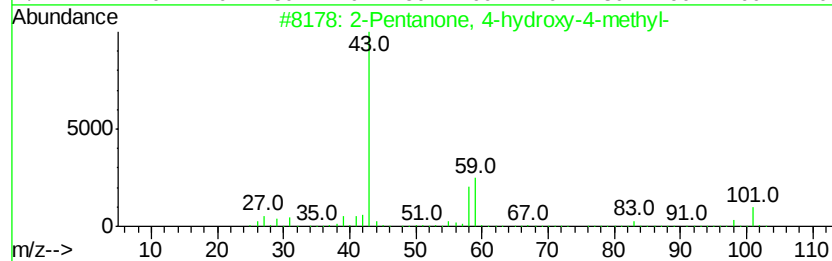
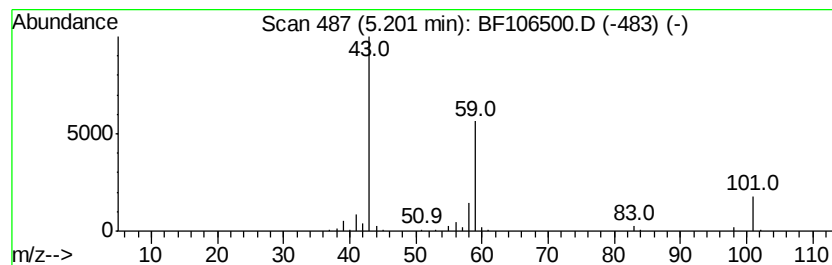
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	6.70 ng	277201	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			3-Hexanol	102	C6H14O	000623-37-0	33
4			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

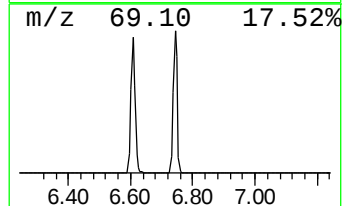
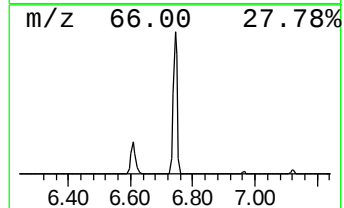
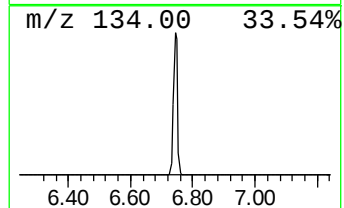
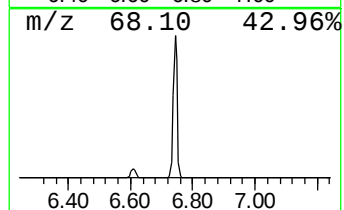
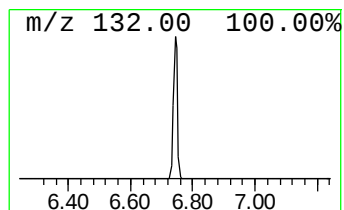
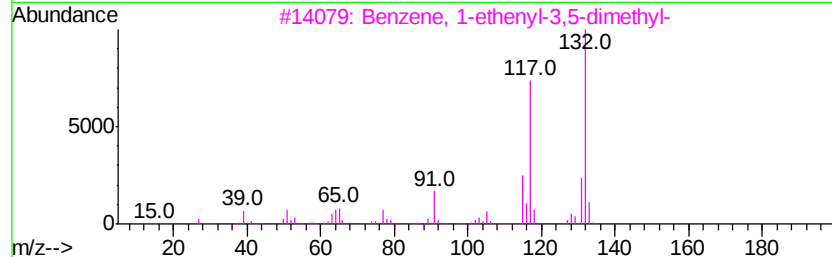
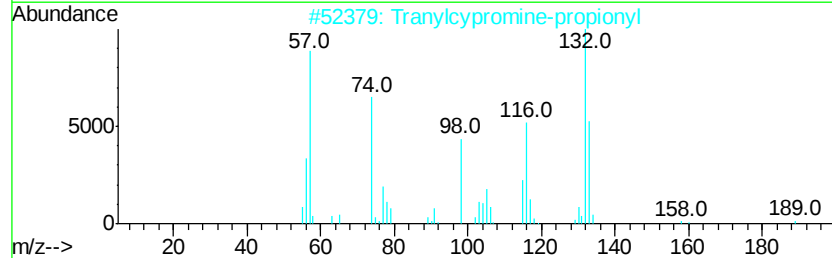
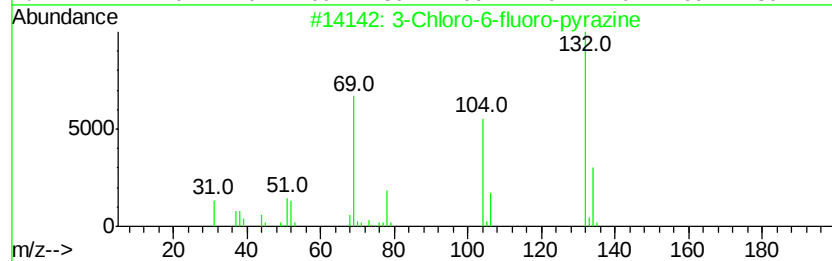
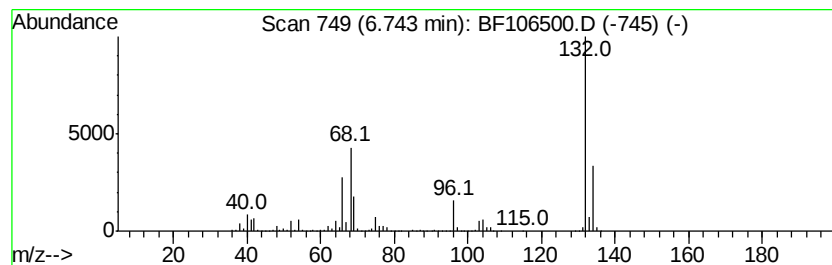
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	59.06 ng	2443740	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

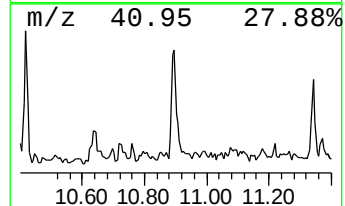
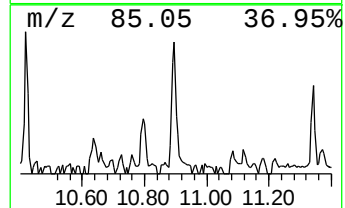
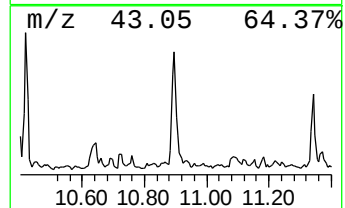
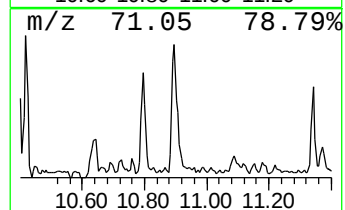
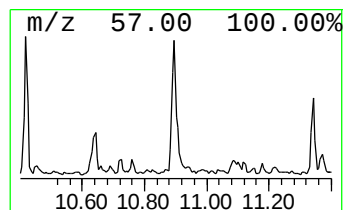
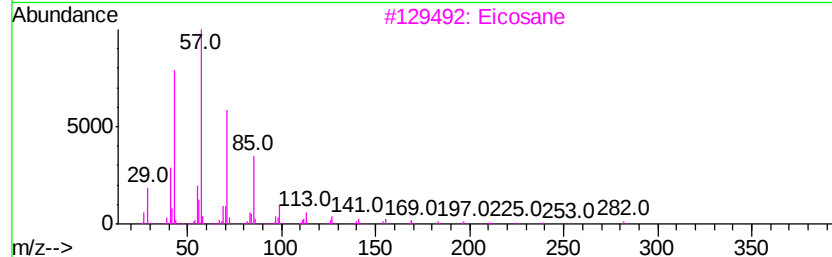
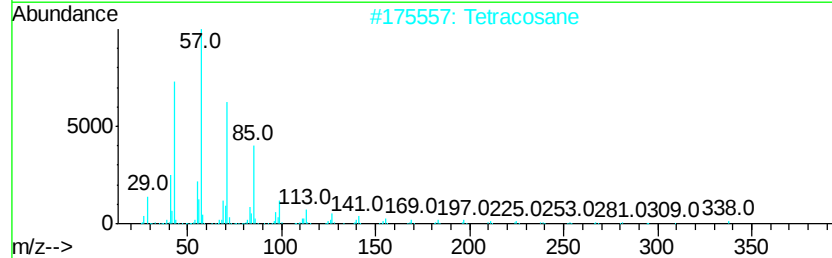
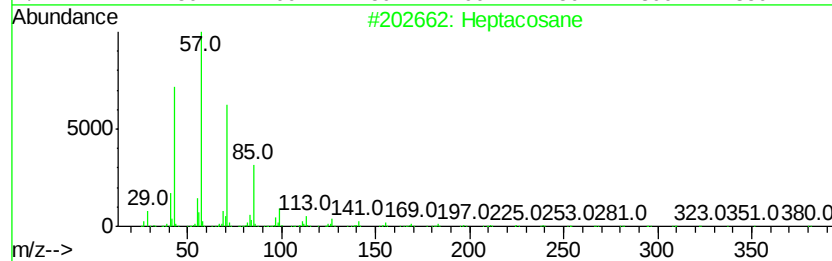
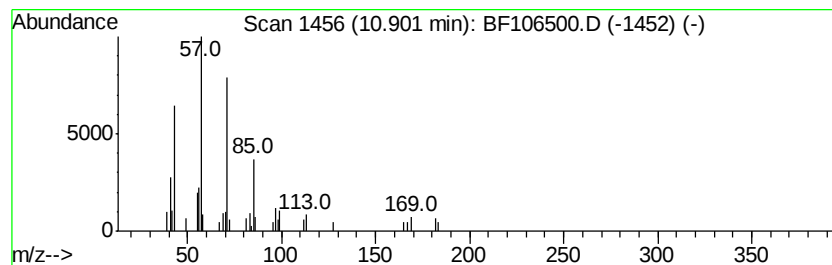
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.05 ng	95370	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	91
2	Tetracosane		338	C24H50	000646-31-1	87
3	Eicosane		282	C20H42	000112-95-8	86
4	Hexadecane		226	C16H34	000544-76-3	80
5	Pentadecane		212	C15H32	000629-62-9	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

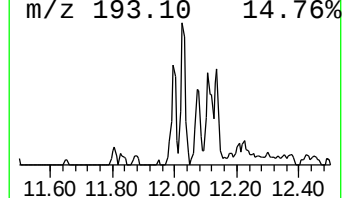
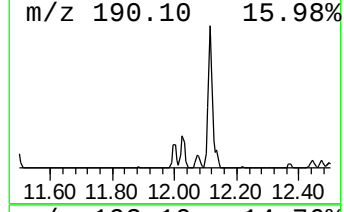
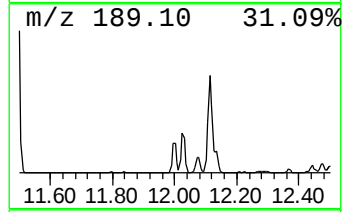
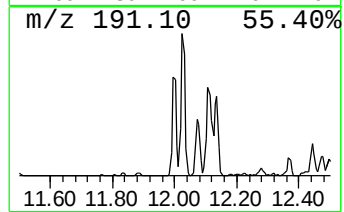
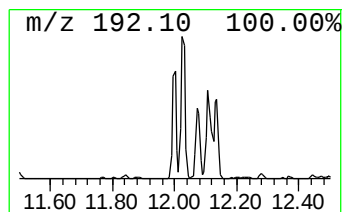
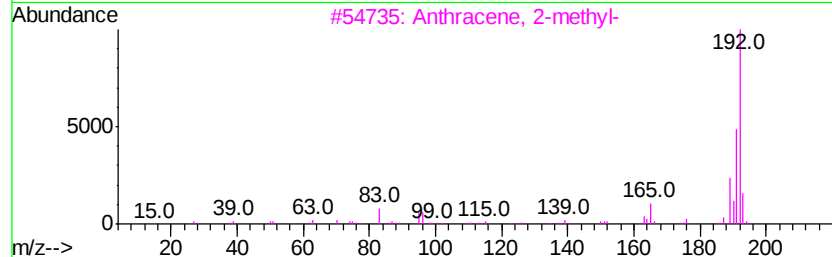
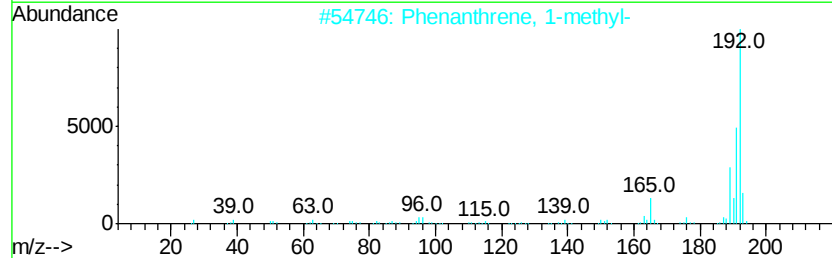
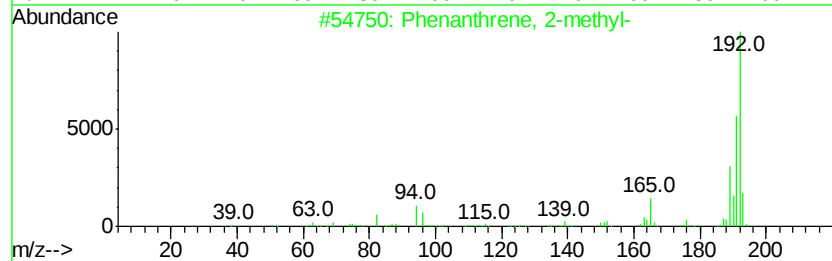
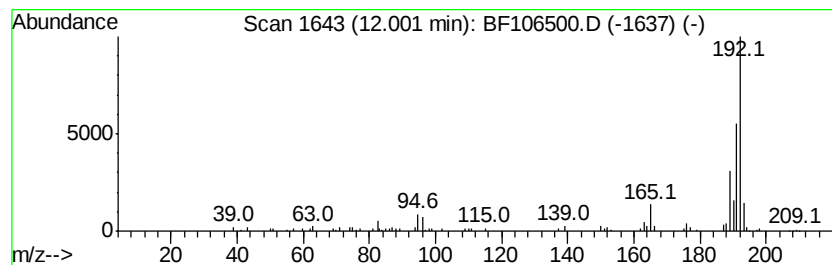
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
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 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	2.55 ng	118739	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

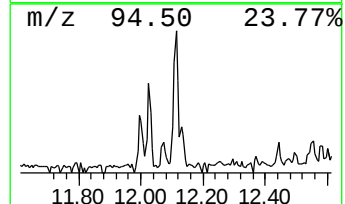
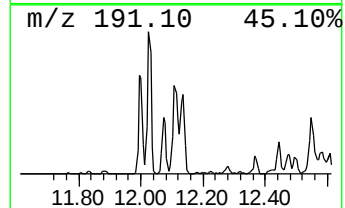
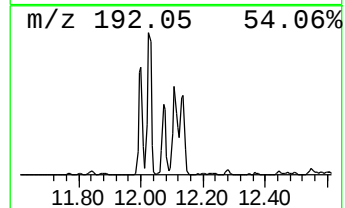
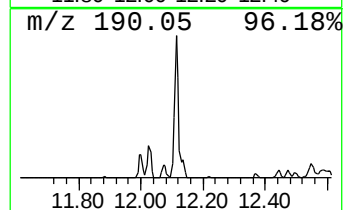
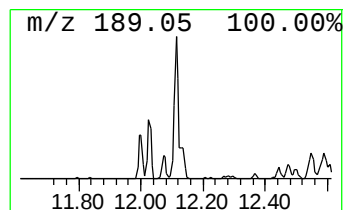
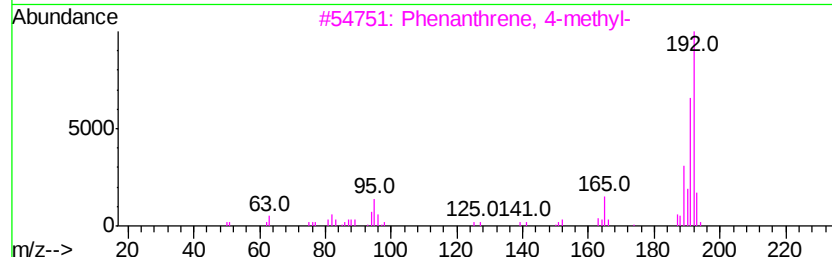
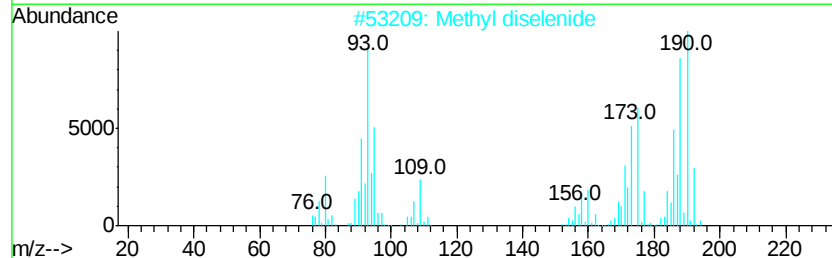
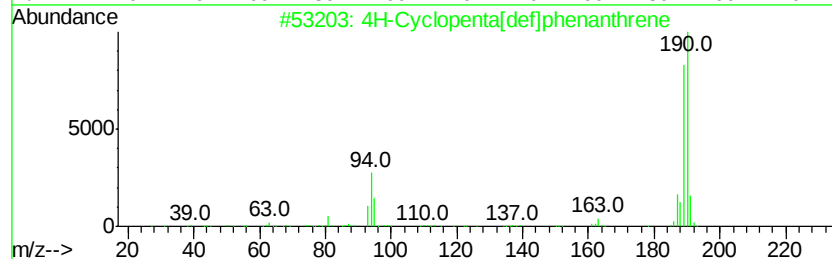
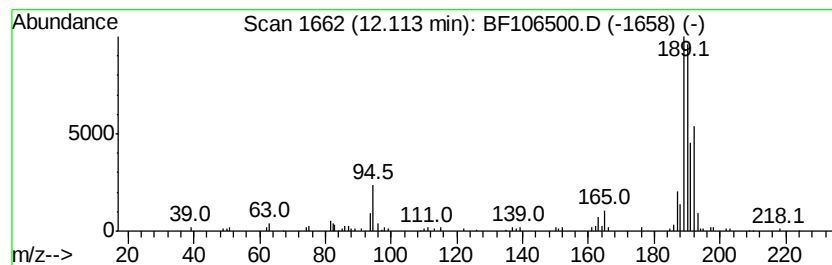
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
12.11	4.11 ng	191419	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Methyl diselenide	190	C2H6Se2	007101-31-7	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

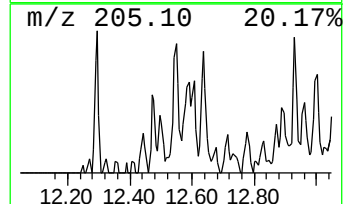
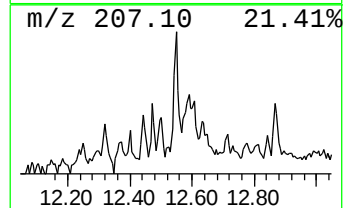
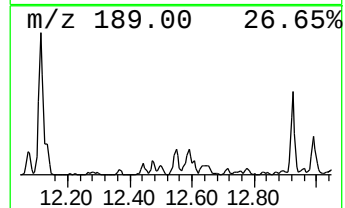
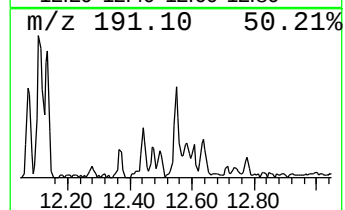
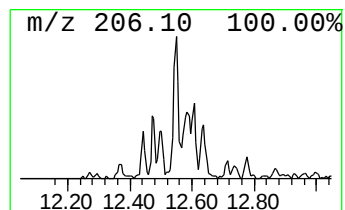
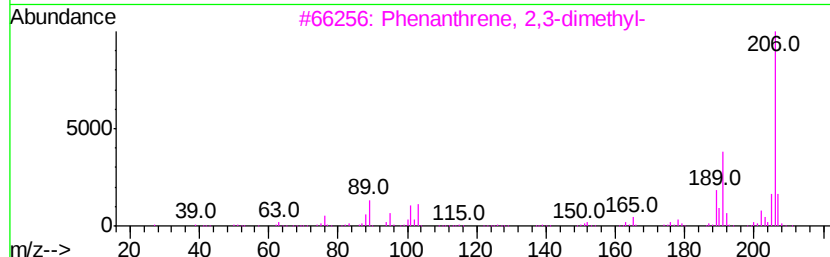
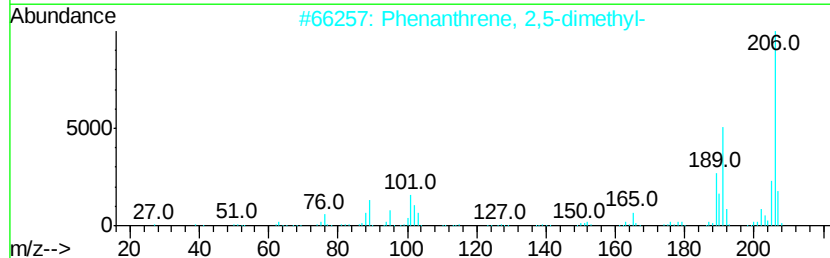
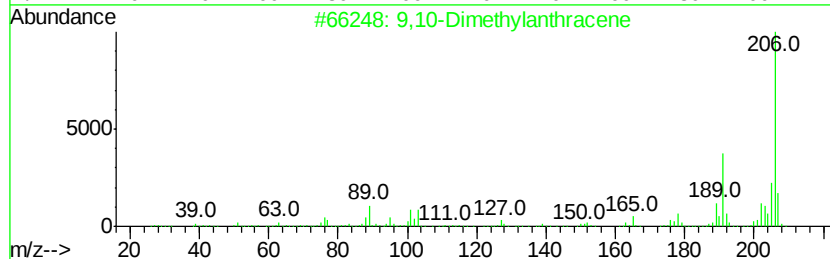
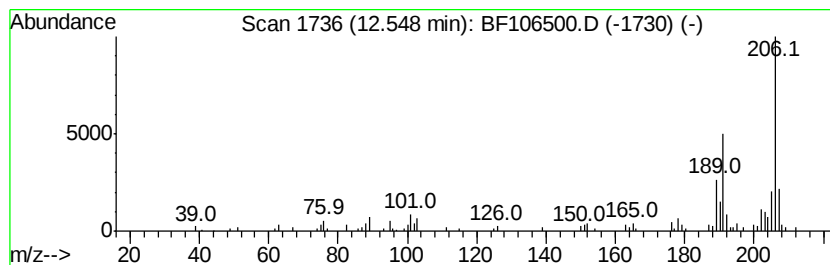
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Dimethylantracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.59 ng	120535	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

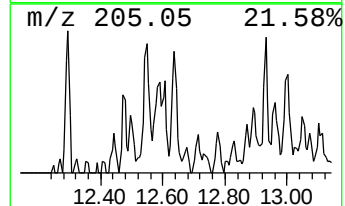
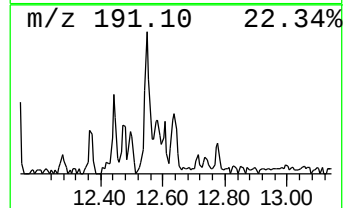
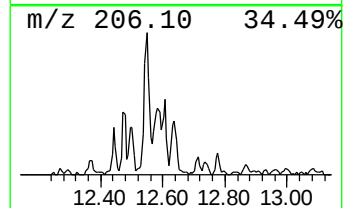
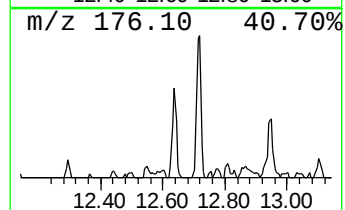
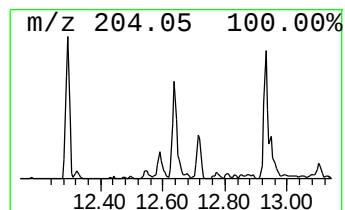
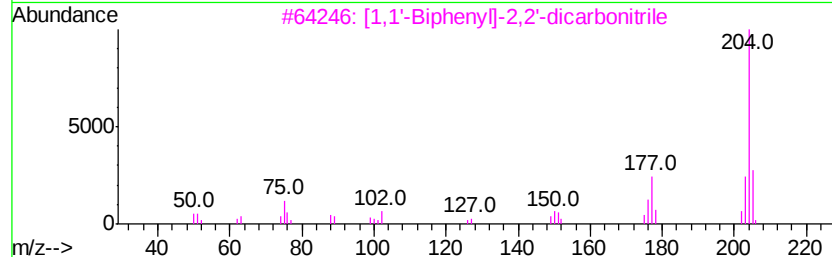
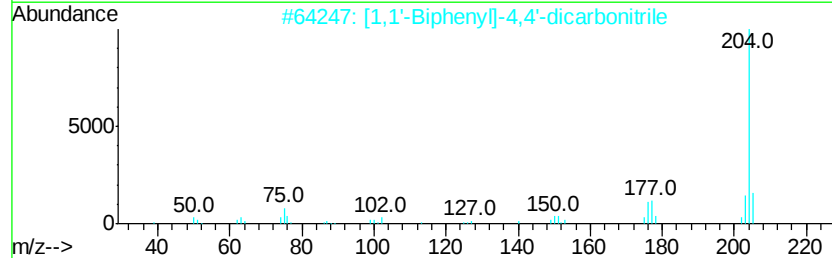
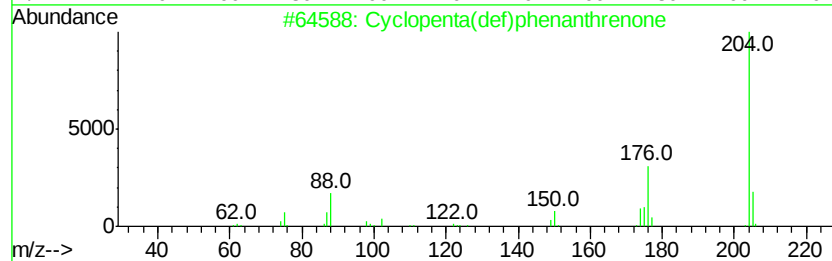
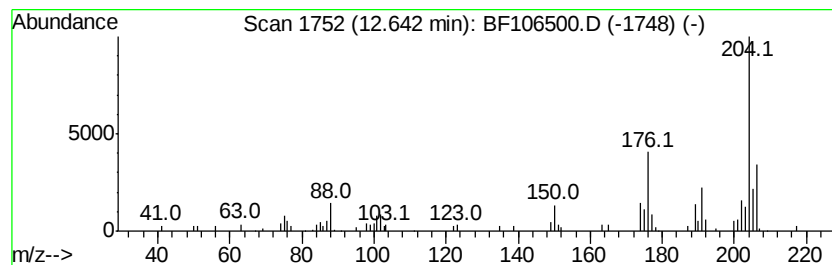
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.17 ng	100940	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

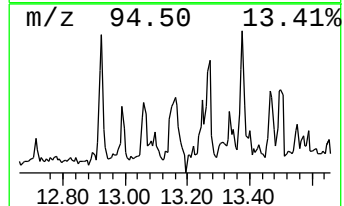
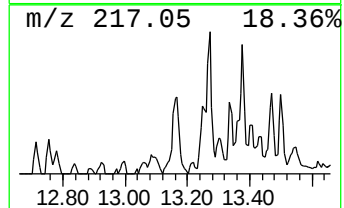
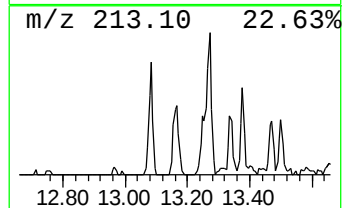
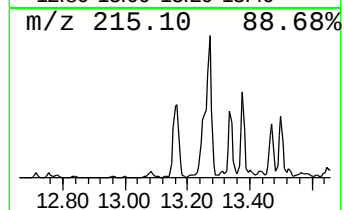
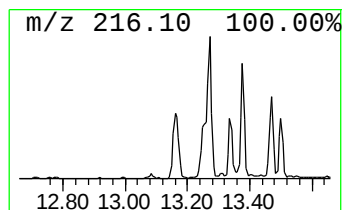
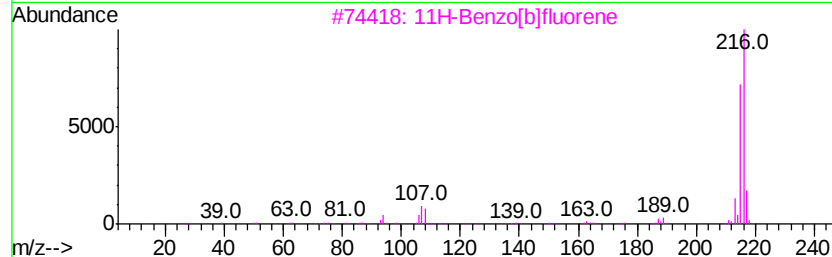
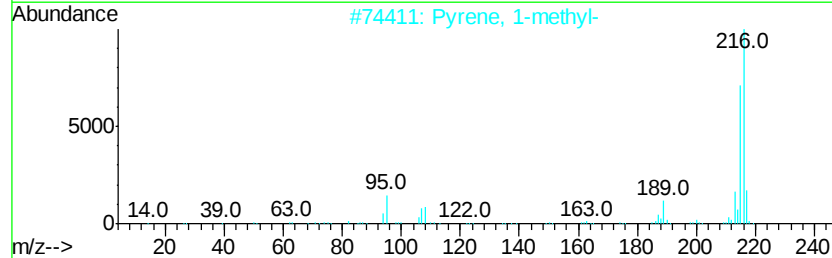
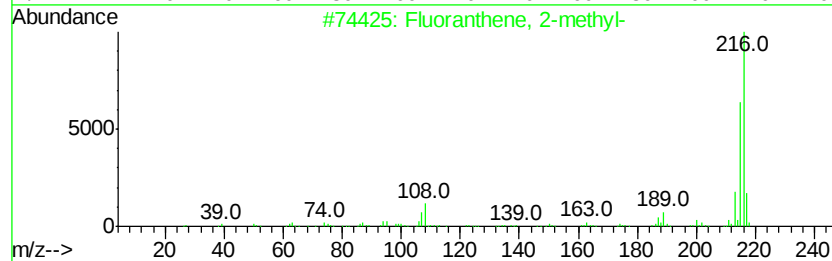
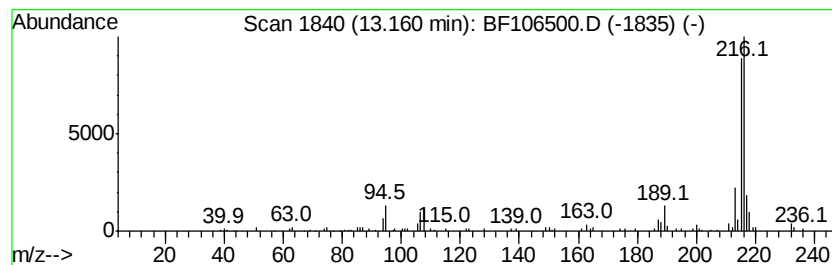
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.07 ng	206041	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

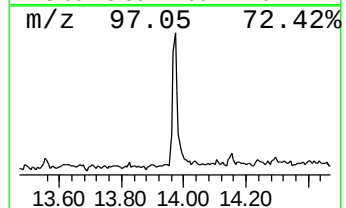
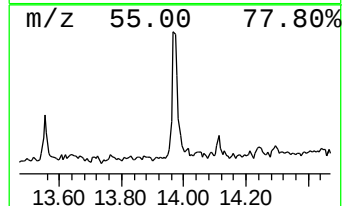
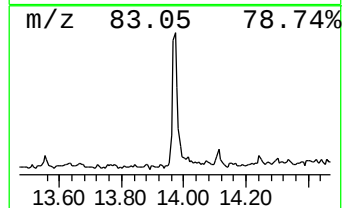
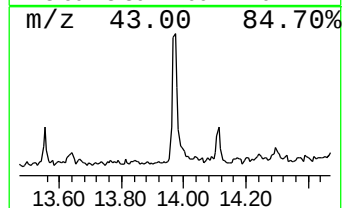
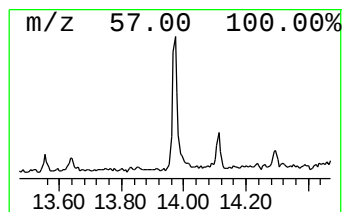
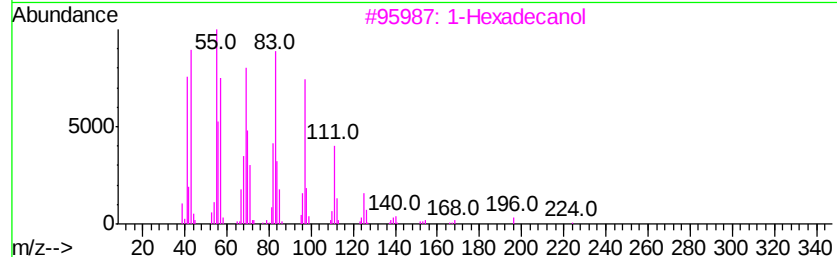
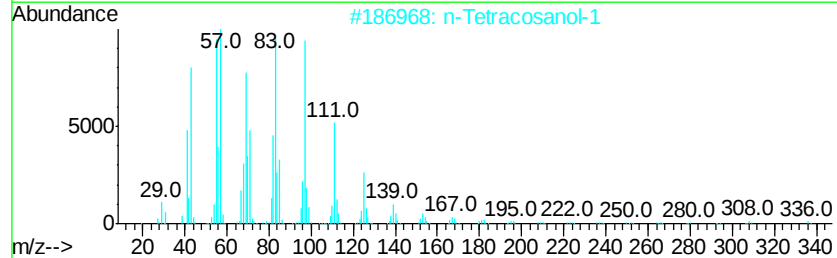
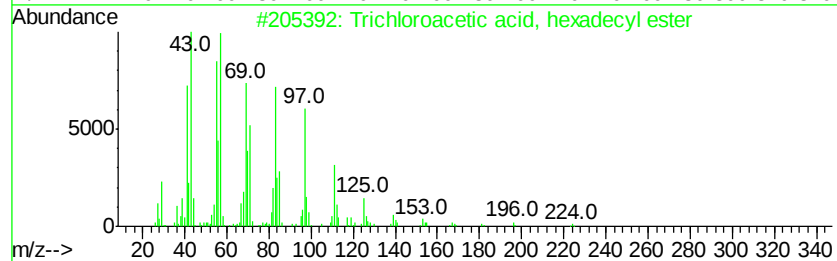
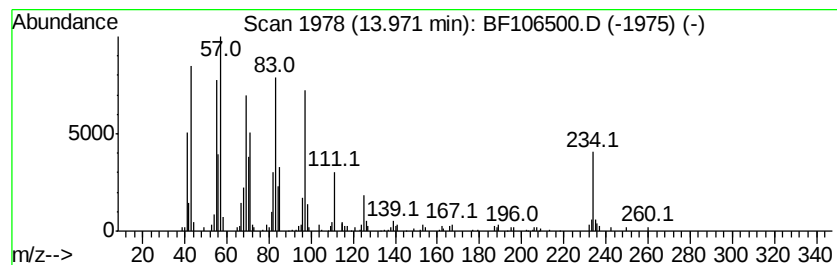
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Trichloroacetic acid, hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.83 ng	280947	Chrysene-d12	14.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	76
2			n-Tetracosanol-1	354	C24H50O	000506-51-4	76
3			1-Hexadecanol	242	C16H34O	036653-82-4	70
4			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	68
5			Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

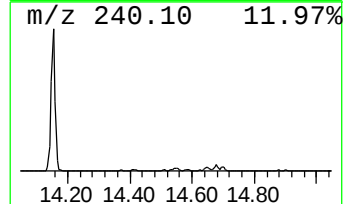
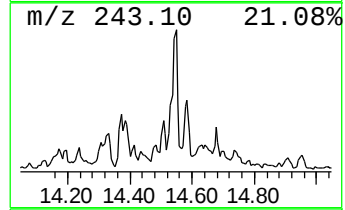
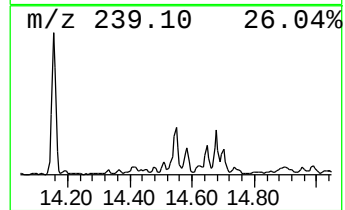
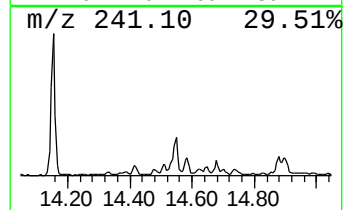
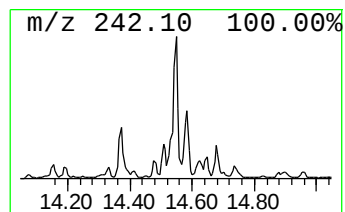
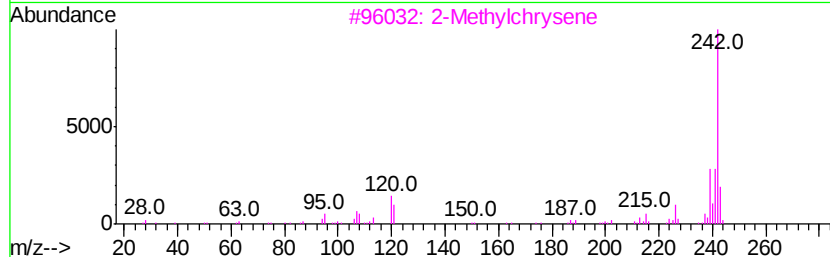
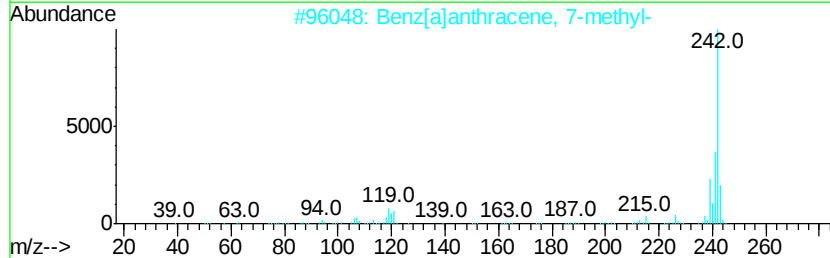
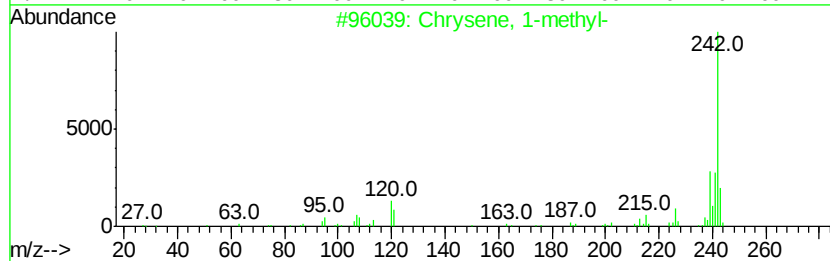
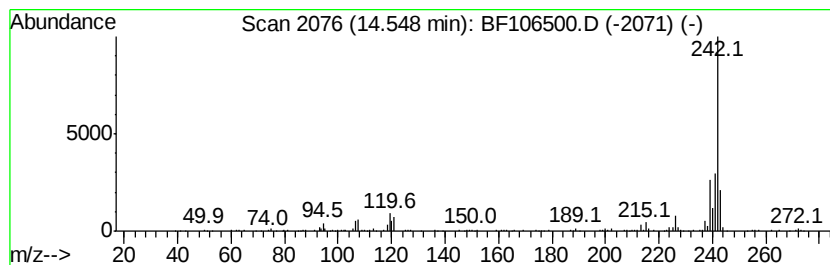
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Chrysene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.34 ng	232788	Chrysene-d12	14.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Chrysene, 1-methyl-	242 C19H14	003351-28-8 95
2		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 94
3		2-Methylchrysene	242 C19H14	003351-32-4 94
4		Chrysene, 3-methyl-	242 C19H14	003351-31-3 93
5		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

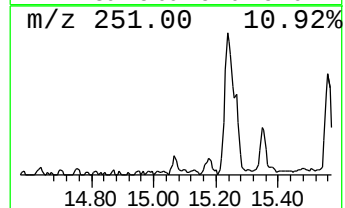
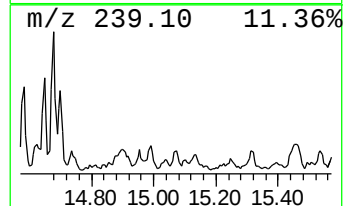
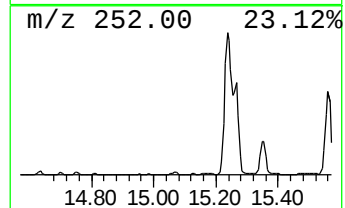
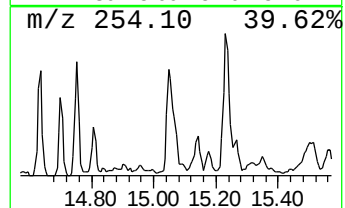
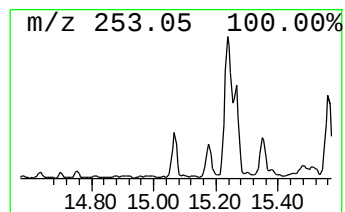
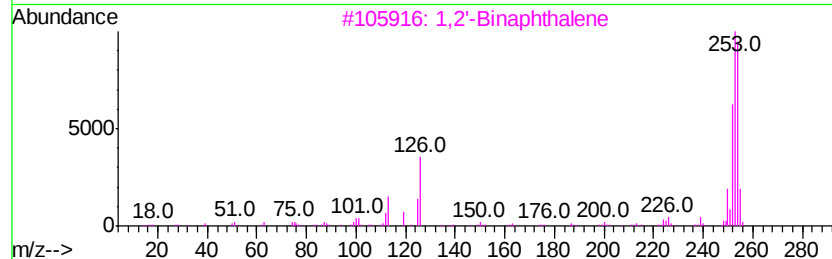
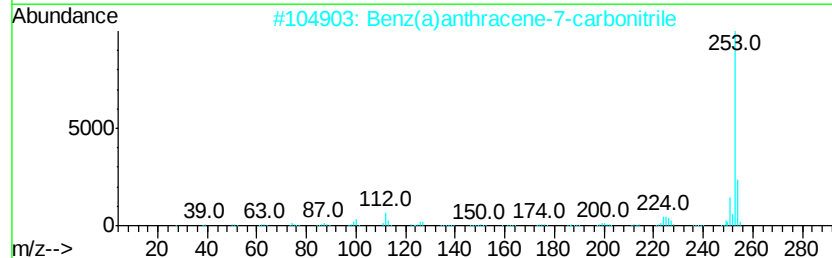
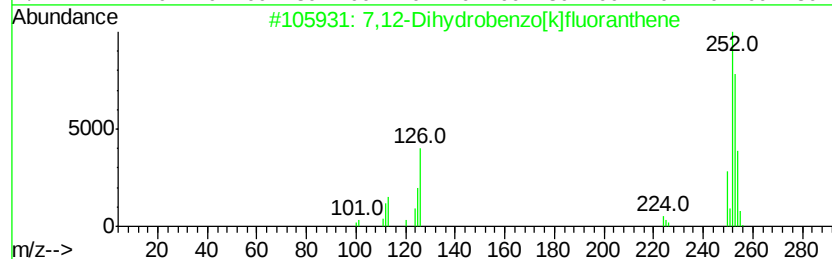
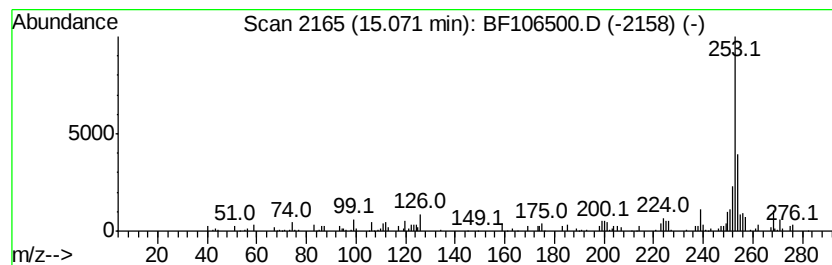
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.24 ng	96075	Perylene-d12	15.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	59
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	52
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	47
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	46
5		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

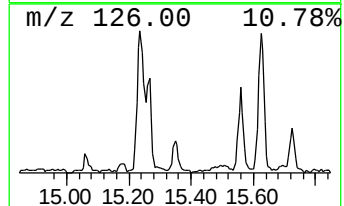
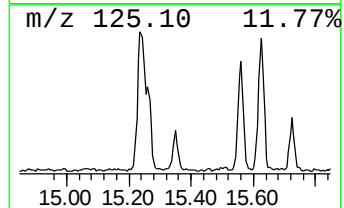
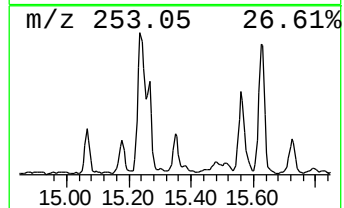
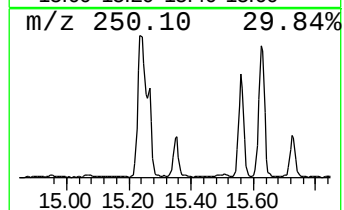
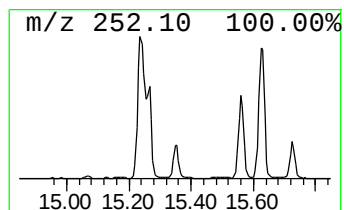
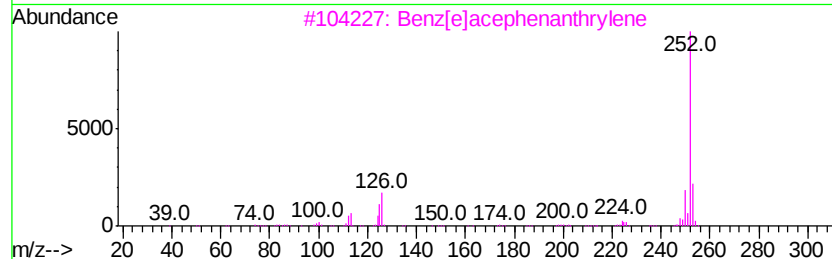
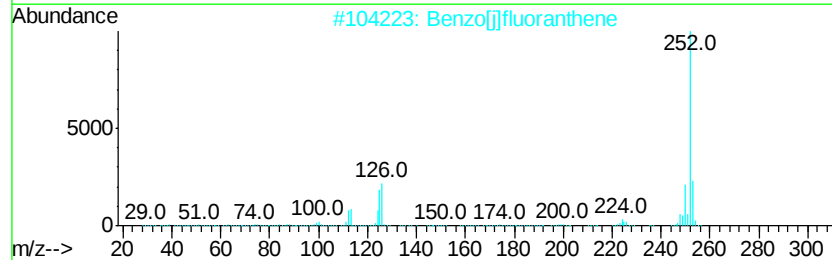
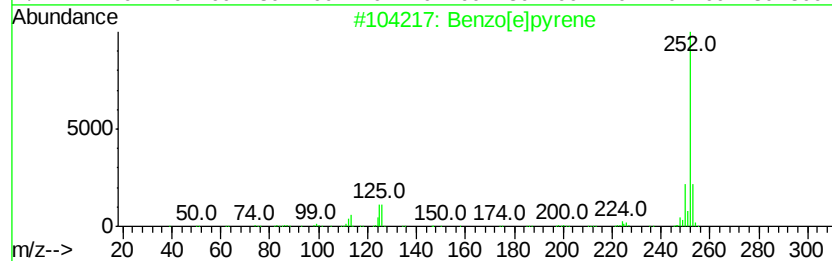
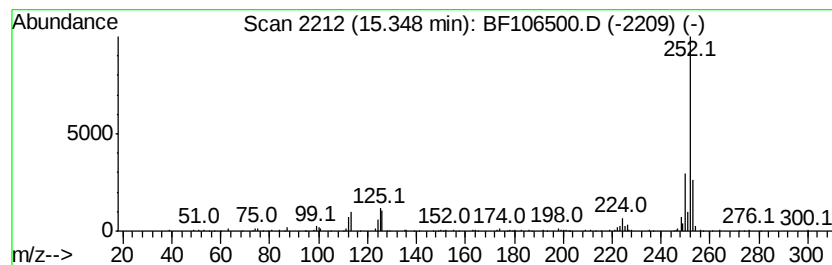
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	3.32 ng	142287	Perylene-d12	15.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Benzo[a]pyrene	252	C20H12	000050-32-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106500.D
Acq On : 15 Jun 2018 19:00
Operator : JU/SJ
Sample : J3486-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

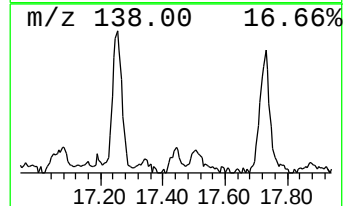
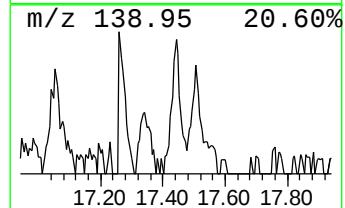
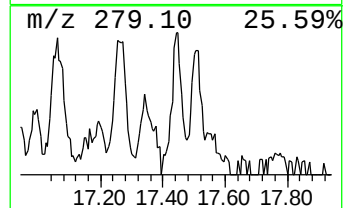
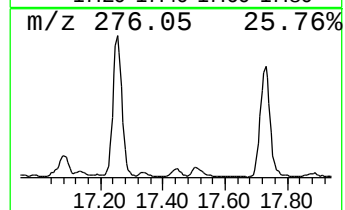
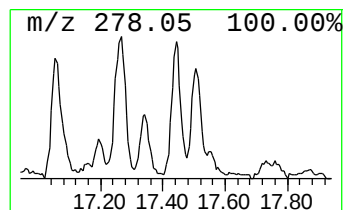
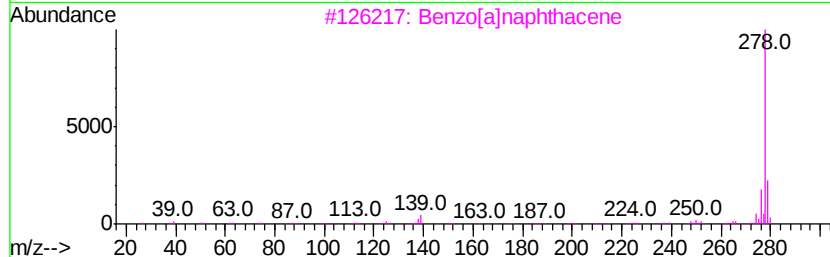
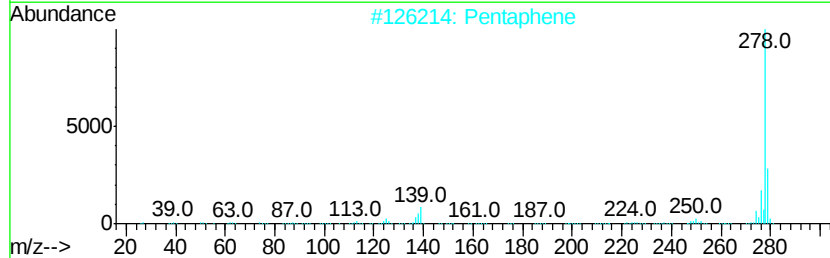
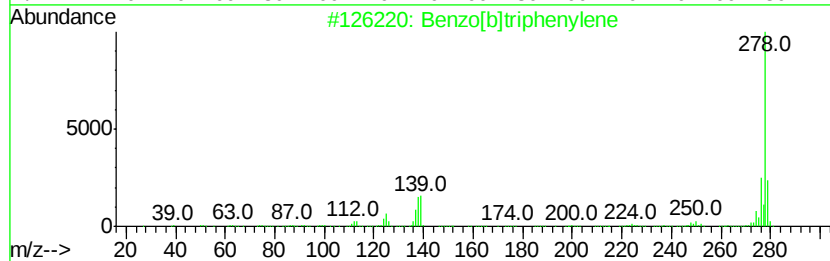
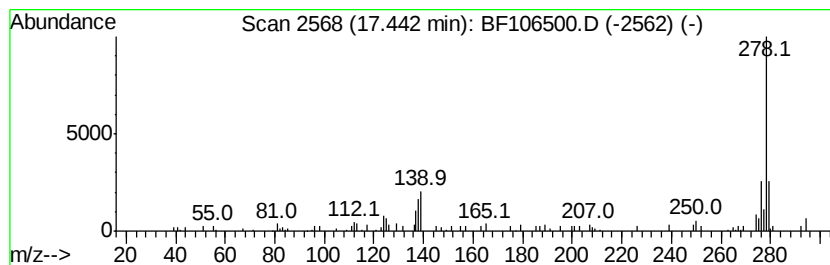
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.24 ng	95994	Perylene-d12	15.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		Pentaphene	278	C22H14	000222-93-5	90
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	87
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	81
5		Picene	278	C22H14	000213-46-7	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106500.D
 Acq On : 15 Jun 2018 19:00
 Operator : JU/SJ
 Sample : J3486-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.20	6.7	ng	277201	1	6.97	827524	20.0
unknown6.74	6.74	59.1	ng	2443740	1	6.97	827524	20.0
Heptacosane	10.90	2.0	ng	95370	4	11.50	931473	20.0
Phenanthrene, 2-m...	12.00	2.5	ng	118739	4	11.50	931473	20.0
4H-Cyclopenta[def...	12.11	4.1	ng	191419	4	11.50	931473	20.0
9,10-Dimethylanthe...	12.55	2.6	ng	120535	4	11.50	931473	20.0
Cyclopenta(def)ph...	12.64	2.2	ng	100940	4	11.50	931473	20.0
Fluoranthene, 2-m...	13.16	2.1	ng	206041	5	14.15	1986940	20.0
Trichloroacetic a...	13.97	2.8	ng	280947	5	14.15	1986940	20.0
Chrysene, 1-methyl-	14.55	2.3	ng	232788	5	14.15	1986940	20.0
7,12-Dihydrobenzo...	15.07	2.2	ng	96075	6	15.69	857684	20.0
Benzo[e]pyrene	15.35	3.3	ng	142287	6	15.69	857684	20.0
Benzo[b]triphenylene	17.44	2.2	ng	95994	6	15.69	857684	20.0