

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101090.D
 Acq On : 4 Dec 2017 11:48
 Operator : SJ/JU
 Sample : I6620-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)-20171128

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	504	508	519	rBV	66529	90762	6.35%	0.444%
2	5.469	570	575	578	rBV	1282665	1219132	85.34%	5.966%
3	6.481	742	747	754	rBV	1132944	1281134	89.68%	6.269%
4	6.616	766	770	773	rBV	1343145	1300958	91.06%	6.366%
5	6.845	806	809	813	rBV	388909	290726	20.35%	1.423%
6	7.004	832	836	839	rBV	1224034	1012053	70.84%	4.952%
7	7.410	900	905	908	rBV	780666	785721	55.00%	3.845%
8	8.128	1023	1027	1030	rBV	484743	385737	27.00%	1.888%
9	9.204	1205	1210	1213	rBV	1717592	1428624	100.00%	6.991%
10	9.275	1218	1222	1225	rVV	24074	16491	1.15%	0.081%
11	9.592	1273	1276	1284	rVB	125355	109765	7.68%	0.537%
12	9.745	1298	1302	1305	rBV	62413	52123	3.65%	0.255%
13	9.804	1309	1312	1316	rVV	44240	35525	2.49%	0.174%
14	9.880	1322	1325	1329	rBV2	457158	417561	29.23%	2.043%
15	9.916	1329	1331	1334	rVB	29808	22840	1.60%	0.112%
16	10.086	1357	1360	1364	rVB	20882	21220	1.49%	0.104%
17	10.304	1395	1397	1400	rVB	43347	30911	2.16%	0.151%
18	10.427	1415	1418	1422	rVB	28877	27257	1.91%	0.133%
19	10.674	1456	1460	1463	rBV	994759	870287	60.92%	4.259%
20	10.774	1474	1477	1486	rBV3	31025	39964	2.80%	0.196%
21	11.174	1542	1545	1549	rBV	25425	24582	1.72%	0.120%
22	11.221	1549	1553	1556	rVV3	21539	23700	1.66%	0.116%
23	11.269	1556	1561	1565	rVB	17429	19217	1.35%	0.094%
24	11.374	1575	1579	1581	rBV	482301	475395	33.28%	2.326%
25	11.398	1581	1583	1586	rVV	437771	324727	22.73%	1.589%
26	11.445	1586	1591	1594	rVB	122801	95899	6.71%	0.469%
27	11.604	1611	1618	1625	rBV2	51982	64846	4.54%	0.317%
28	11.874	1661	1664	1665	rBV	60464	58572	4.10%	0.287%
29	11.898	1665	1668	1671	rVV2	108207	128210	8.97%	0.627%
30	11.945	1674	1676	1679	rVB	37952	31016	2.17%	0.152%
31	11.986	1679	1683	1685	rBV2	97972	108620	7.60%	0.532%
32	12.004	1685	1686	1690	rVB	46961	36403	2.55%	0.178%
33	12.168	1711	1714	1716	rBV	43822	37046	2.59%	0.181%
34	12.198	1716	1719	1723	rVB	53836	44419	3.11%	0.217%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
 Data File : BF101090.D
 Acq On : 4 Dec 2017 11:48
 Operator : SJ/JU
 Sample : I6620-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)-20171128

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.315	1733	1739	1742	rBV2	18640	23199	1.62%	0.114%
36	12.421	1752	1757	1759	rBV	50797	55702	3.90%	0.273%
37	12.510	1769	1772	1776	rBV	66115	67134	4.70%	0.329%
38	12.586	1781	1785	1789	rBV	796230	736647	51.56%	3.605%
39	12.651	1794	1796	1798	rBV	22644	18847	1.32%	0.092%
40	12.674	1798	1800	1804	rBV2	53817	50744	3.55%	0.248%
41	12.739	1805	1811	1813	rVV3	26567	36478	2.55%	0.178%
42	12.815	1818	1824	1830	rVV	658135	751340	52.59%	3.677%
43	12.863	1830	1832	1837	rVB2	40654	45881	3.21%	0.225%
44	12.957	1839	1848	1851	rBV	1365479	1325671	92.79%	6.487%
45	13.033	1854	1861	1865	rBV2	58192	107372	7.52%	0.525%
46	13.121	1872	1876	1877	rBV3	59881	70755	4.95%	0.346%
47	13.145	1877	1880	1883	rVB2	69780	79275	5.55%	0.388%
48	13.210	1888	1891	1893	rBV	41434	34692	2.43%	0.170%
49	13.245	1893	1897	1900	rBV2	78639	90181	6.31%	0.441%
50	13.339	1910	1913	1916	rVB	46428	35725	2.50%	0.175%
51	13.368	1916	1918	1922	rBV2	42849	43780	3.06%	0.214%
52	13.521	1940	1944	1946	rBV5	17445	23051	1.61%	0.113%
53	13.651	1963	1966	1971	rVB	110799	103820	7.27%	0.508%
54	13.762	1980	1985	1987	rBV2	81899	91582	6.41%	0.448%
55	13.786	1987	1989	1992	rVV	63672	70481	4.93%	0.345%
56	13.815	1992	1994	1995	rVV	72543	61655	4.32%	0.302%
57	13.839	1995	1998	2000	rVV3	177014	193147	13.52%	0.945%
58	13.862	2000	2002	2005	rVB	98412	84775	5.93%	0.415%
59	13.980	2019	2022	2023	rBV3	40896	34916	2.44%	0.171%
60	14.009	2023	2027	2031	rVV2	510145	817708	57.24%	4.001%
61	14.039	2031	2032	2039	rVV	328051	278503	19.49%	1.363%
62	14.121	2043	2046	2048	rVV	40950	39647	2.78%	0.194%
63	14.162	2050	2053	2058	rVV6	46758	76327	5.34%	0.373%
64	14.239	2062	2066	2069	rVB2	39506	56305	3.94%	0.276%
65	14.274	2069	2072	2074	rBV3	24677	22544	1.58%	0.110%
66	14.357	2083	2086	2089	rBV3	27752	36702	2.57%	0.180%
67	14.398	2089	2093	2096	rVV	90510	102683	7.19%	0.502%
68	14.433	2096	2099	2103	rVV2	49323	65066	4.55%	0.318%
69	14.474	2103	2106	2108	rVV3	47308	71185	4.98%	0.348%
70	14.527	2112	2115	2117	rVV	56903	75228	5.27%	0.368%
71	14.545	2117	2118	2121	rVV	52355	50720	3.55%	0.248%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
 Data File : BF101090.D
 Acq On : 4 Dec 2017 11:48
 Operator : SJ/JU
 Sample : I6620-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)-20171128

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.598	2125	2127	2129	rVV	50166	54063	3.78%	0.265%
73	14.645	2133	2135	2138	rVB3	18161	16534	1.16%	0.081%
74	14.715	2144	2147	2149	rBV	25747	20052	1.40%	0.098%
75	14.898	2173	2178	2185	rVB4	41443	78367	5.49%	0.383%
76	14.968	2185	2190	2194	rBV4	23459	39973	2.80%	0.196%
77	15.062	2200	2206	2209	rBV	421858	662728	46.39%	3.243%
78	15.133	2216	2218	2220	rVB	23039	18941	1.33%	0.093%
79	15.168	2220	2224	2227	rBV	80012	85362	5.98%	0.418%
80	15.256	2235	2239	2240	rBV2	31464	38824	2.72%	0.190%
81	15.362	2253	2257	2263	rVB	254496	344971	24.15%	1.688%
82	15.427	2263	2268	2273	rBV	360990	427386	29.92%	2.091%
83	15.492	2274	2279	2282	rVV	265940	361666	25.32%	1.770%
84	15.521	2282	2284	2290	rVB2	129193	161796	11.33%	0.792%
85	15.656	2304	2307	2311	rBV4	13393	17006	1.19%	0.083%
86	15.804	2329	2332	2336	rVB	23094	31466	2.20%	0.154%
87	15.921	2348	2352	2357	rBV5	23800	41830	2.93%	0.205%
88	15.968	2357	2360	2365	rBV5	41764	75057	5.25%	0.367%
89	16.051	2371	2374	2378	rBV2	21603	29151	2.04%	0.143%
90	16.409	2431	2435	2441	rVB6	22100	46267	3.24%	0.226%
91	16.521	2450	2454	2458	rBV7	18931	33068	2.31%	0.162%
92	16.621	2469	2471	2477	rVB3	19029	24571	1.72%	0.120%
93	16.774	2490	2497	2500	rBV2	31608	73474	5.14%	0.360%
94	16.809	2500	2503	2505	rVV2	13457	19424	1.36%	0.095%
95	16.974	2524	2531	2538	rVB	201912	382831	26.80%	1.873%
96	17.145	2555	2560	2564	rVB2	34354	59203	4.14%	0.290%
97	17.203	2564	2570	2577	rBV4	31954	74908	5.24%	0.367%
98	17.421	2599	2607	2616	rBV	148445	312032	21.84%	1.527%
99	17.662	2642	2648	2652	rBV3	27125	64263	4.50%	0.314%

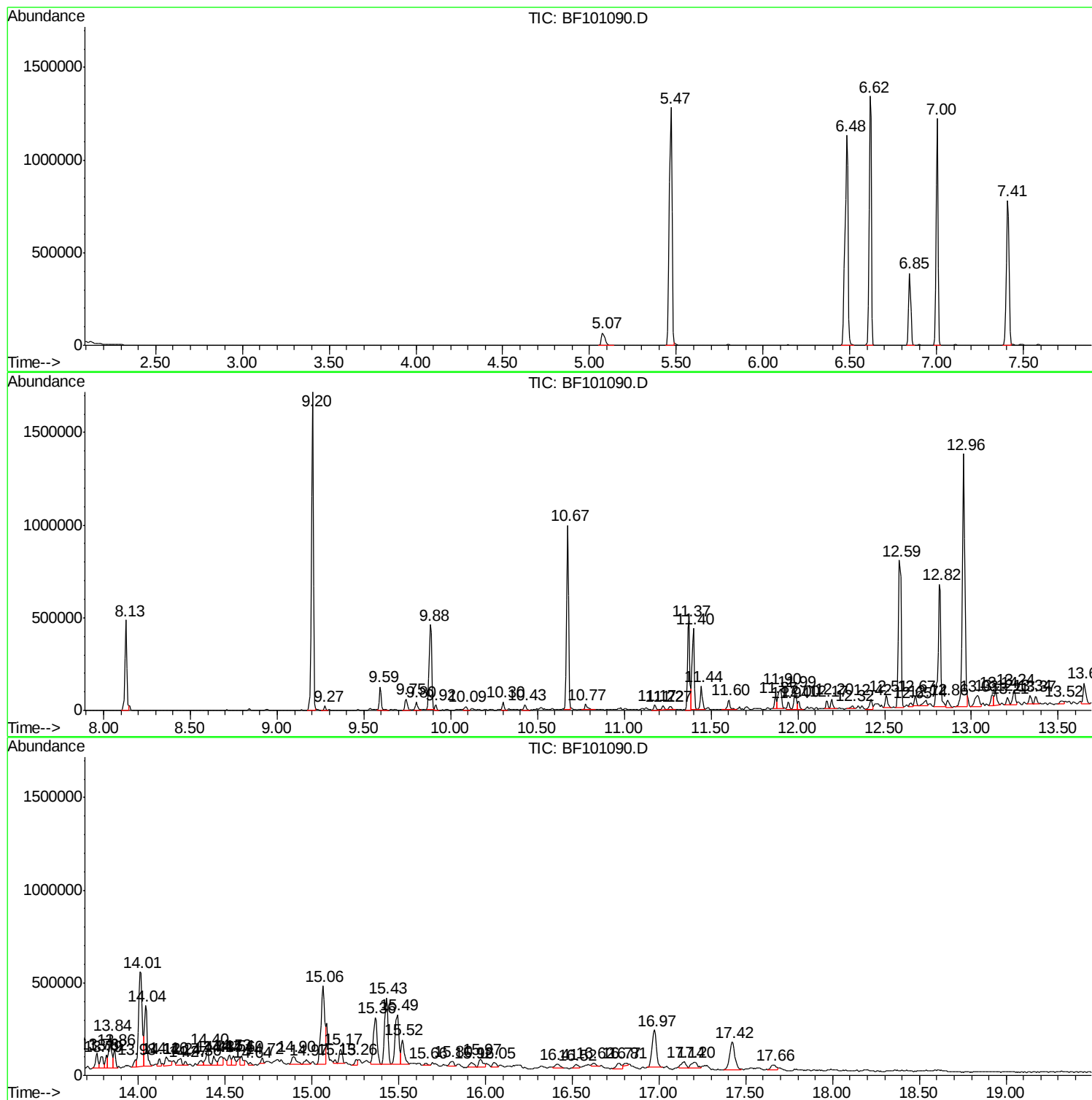
Sum of corrected areas: 20436125

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

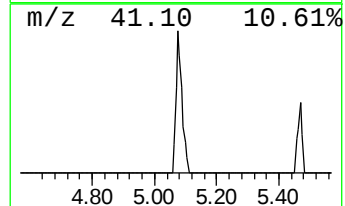
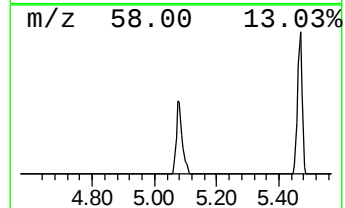
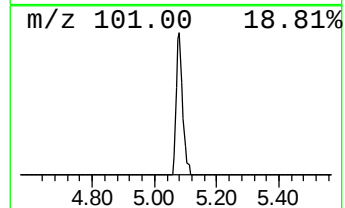
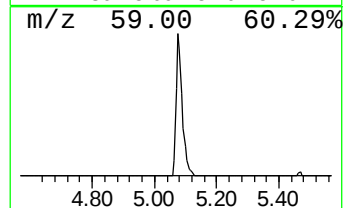
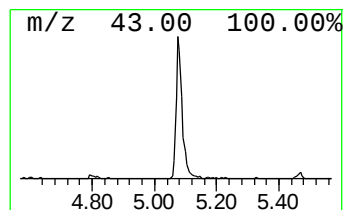
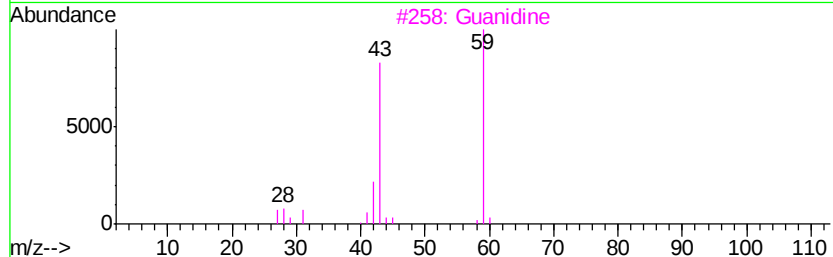
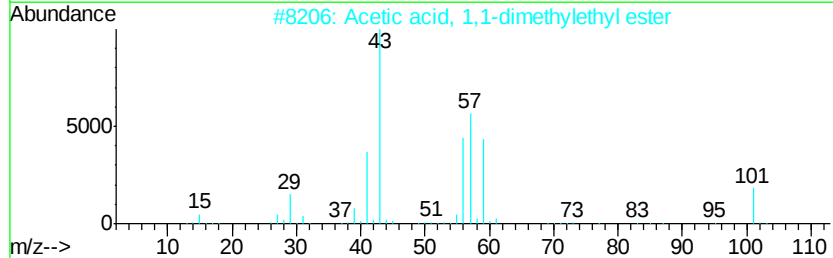
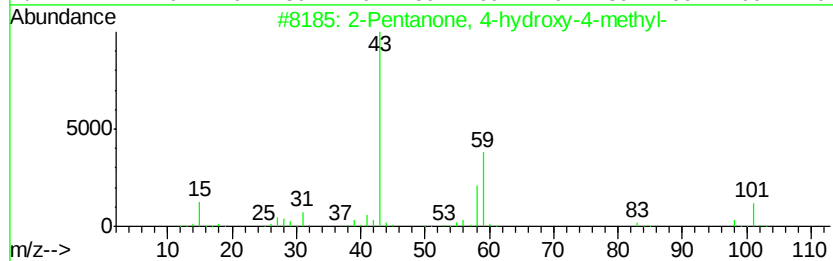
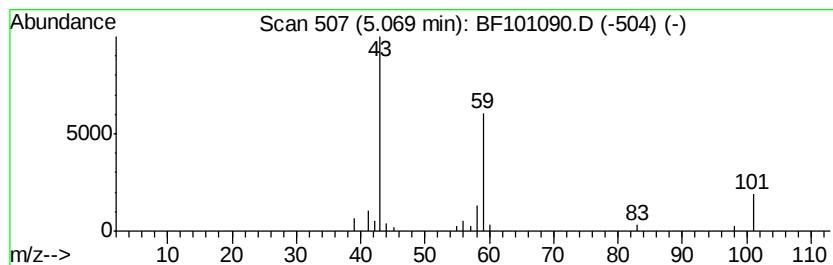
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	6.24 ng	90762	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			Guanidine	59	CH5N3	000113-00-8	9
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

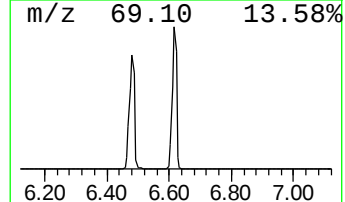
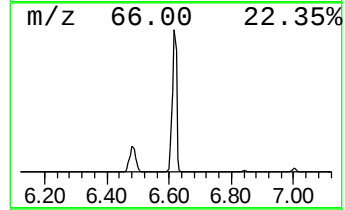
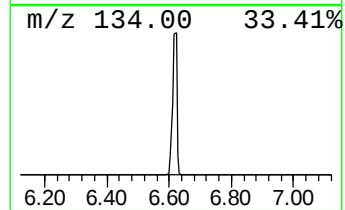
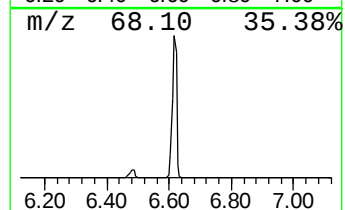
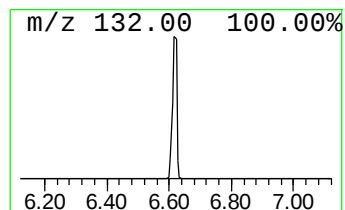
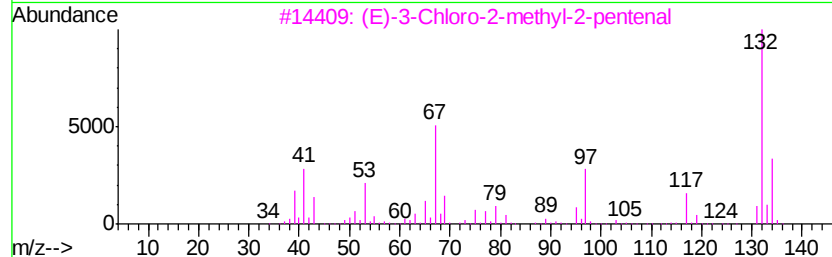
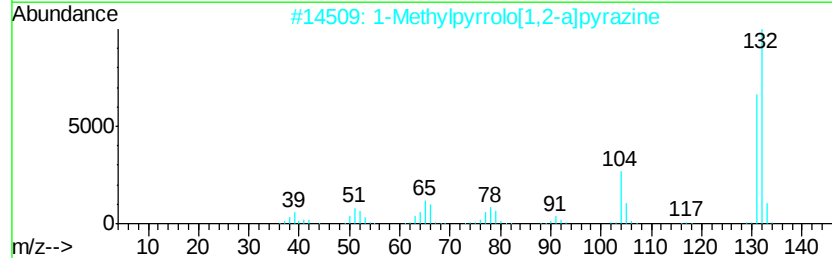
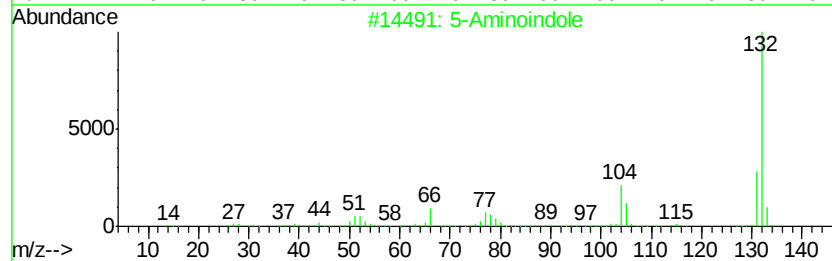
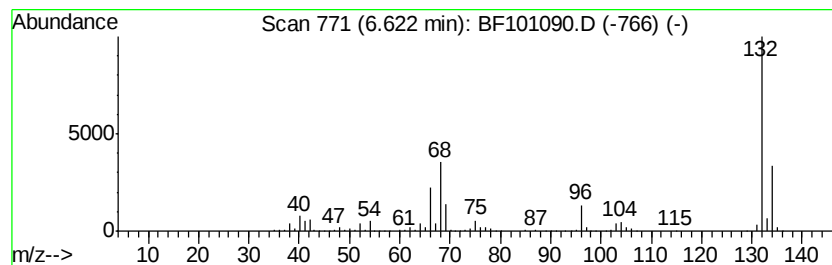
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	89.50 ng	1300960	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Aminoindole	132	C8H8N2	005192-03-0	12
2			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
3			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

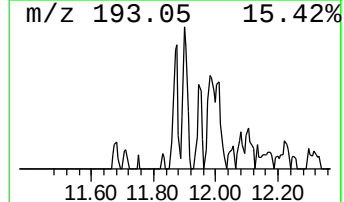
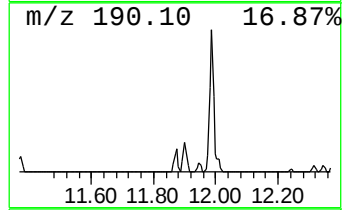
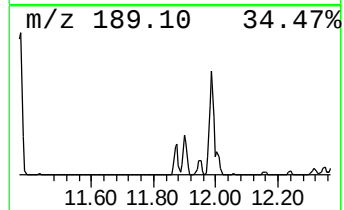
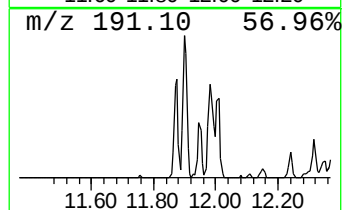
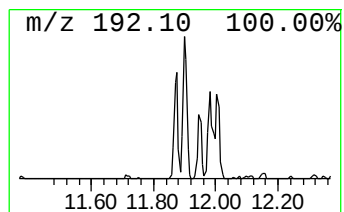
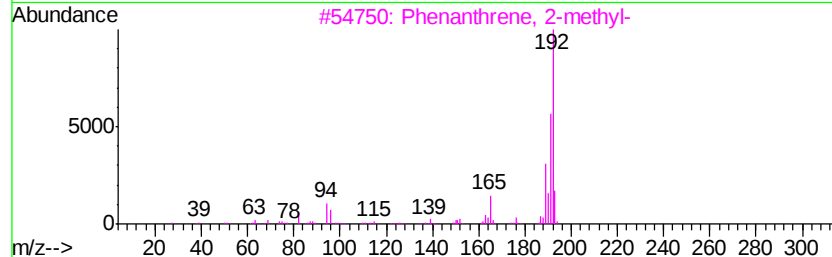
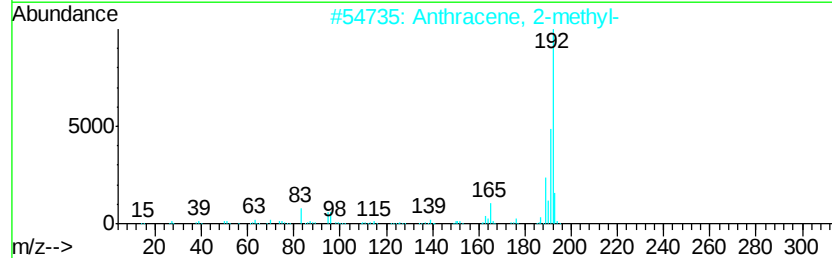
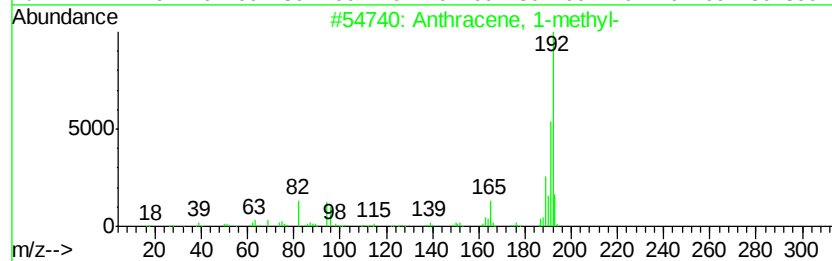
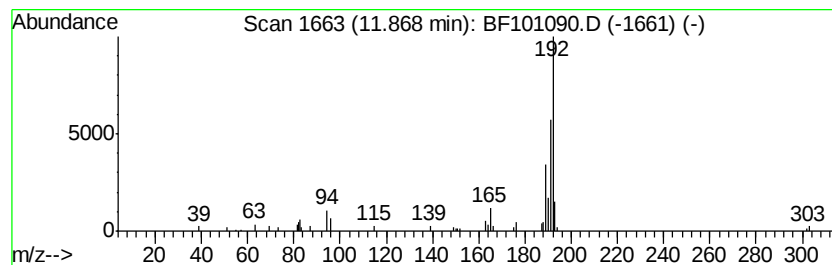
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.46 ng	58572	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

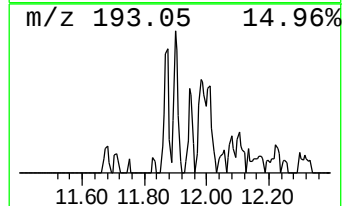
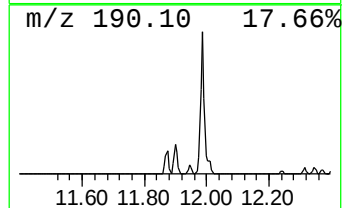
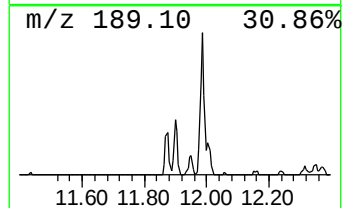
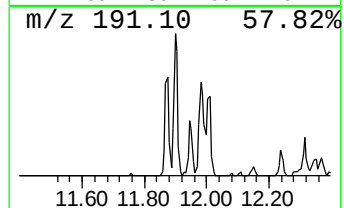
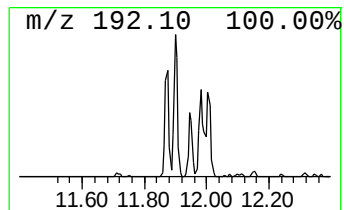
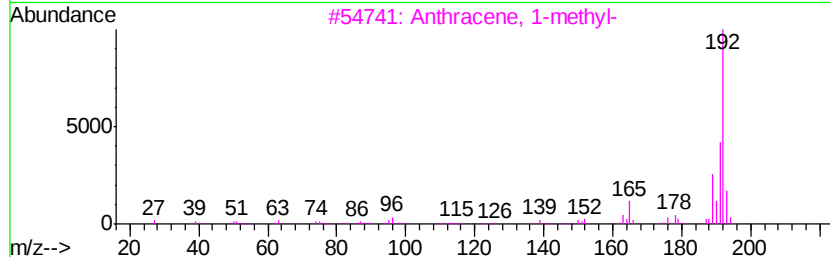
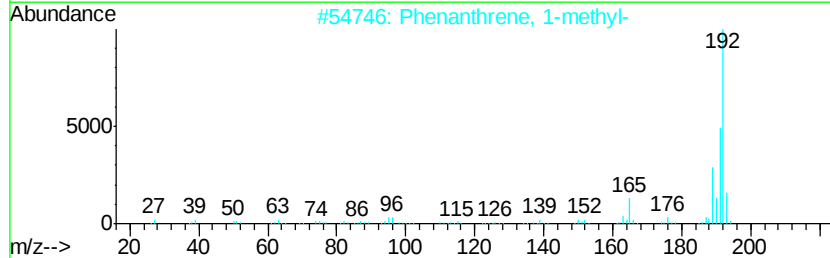
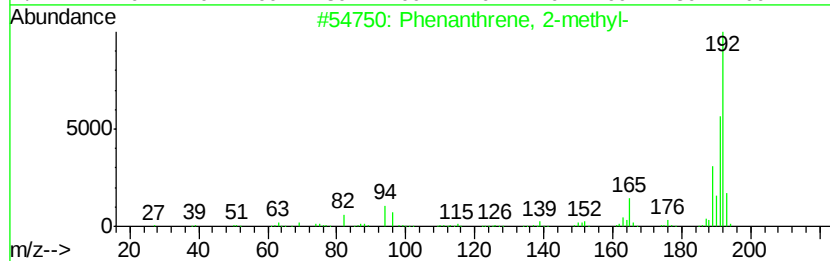
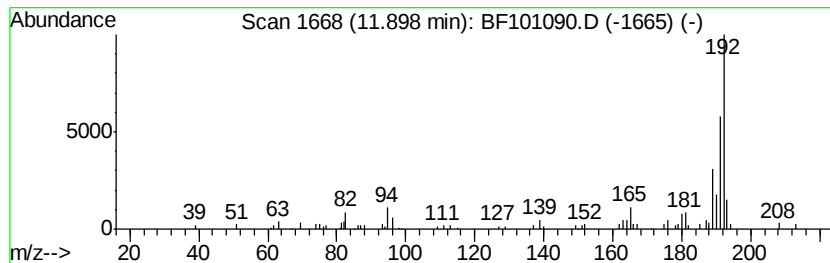
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.39 ng	128210	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

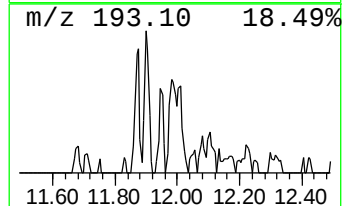
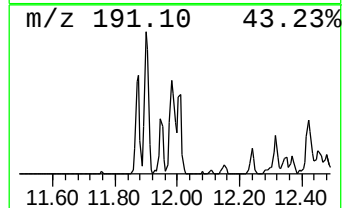
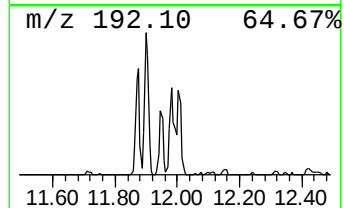
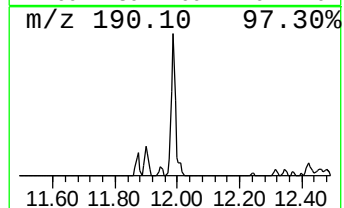
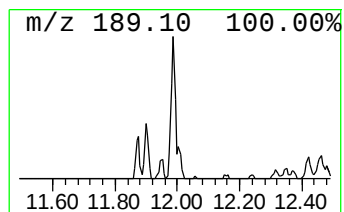
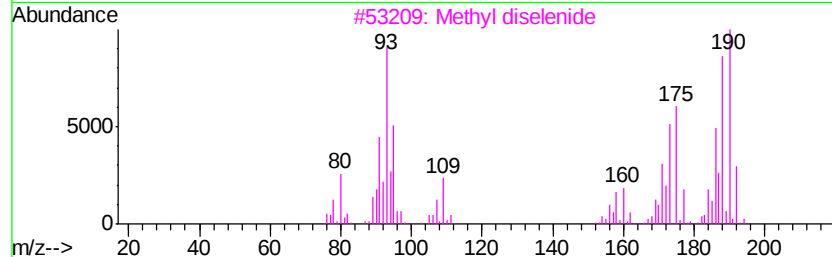
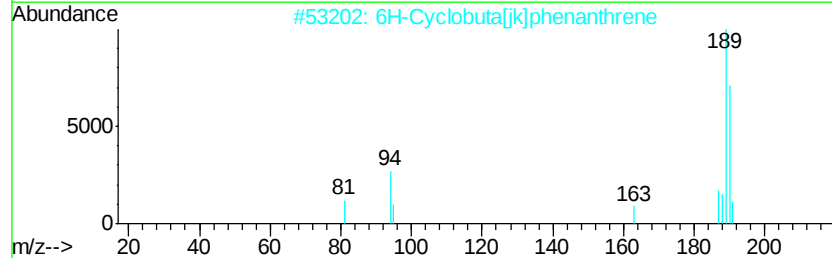
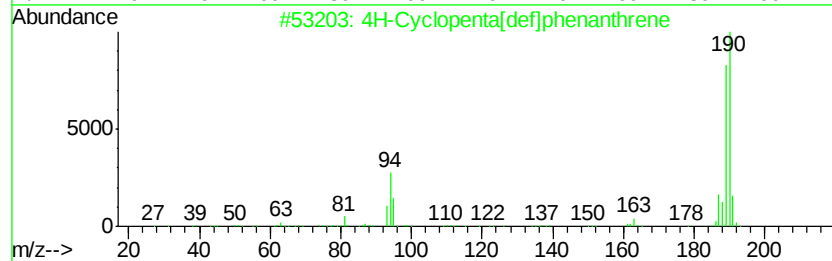
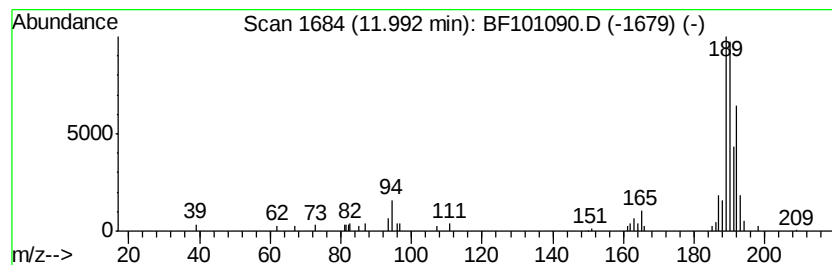
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	4.57 ng	108620	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

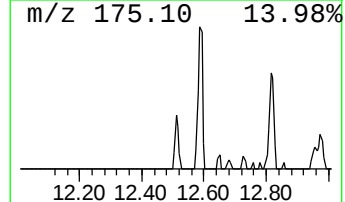
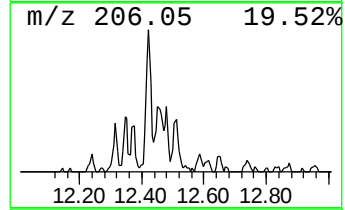
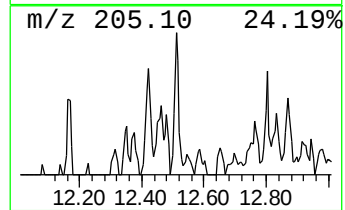
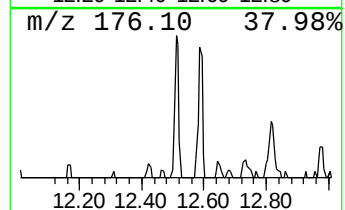
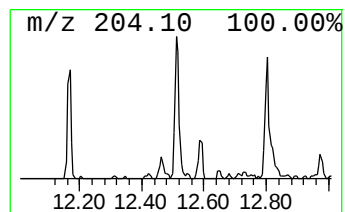
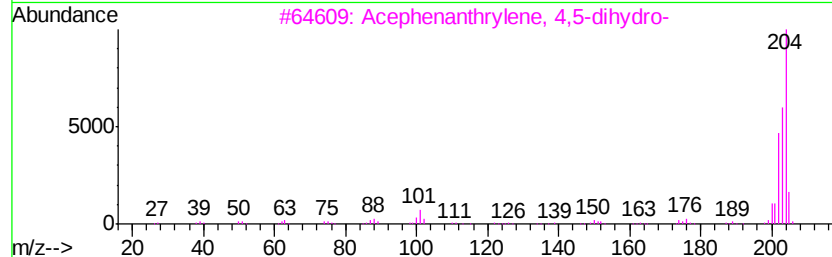
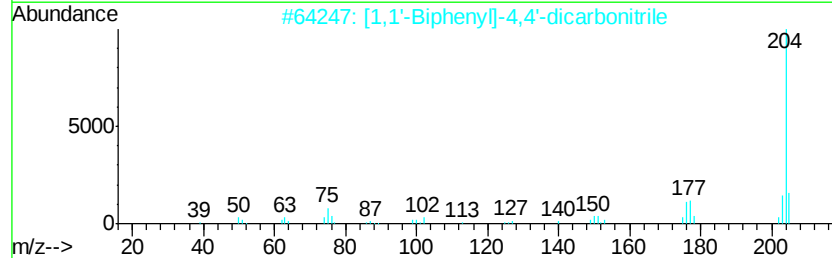
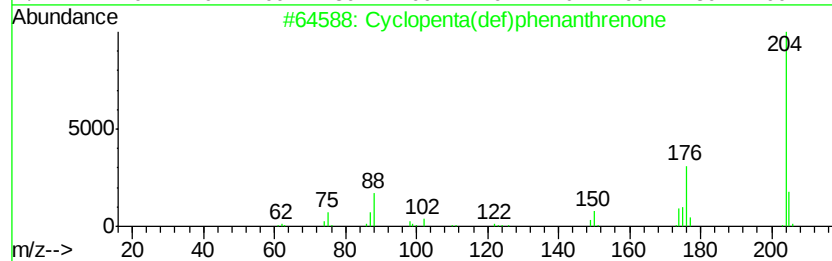
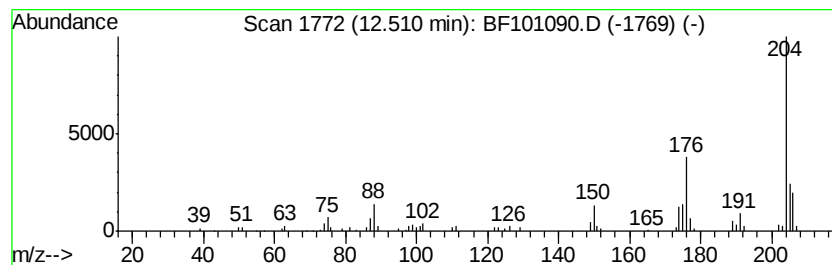
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.82 ng	67134	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

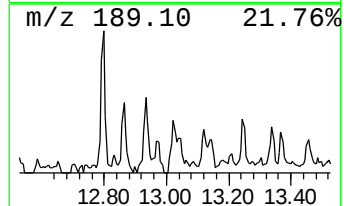
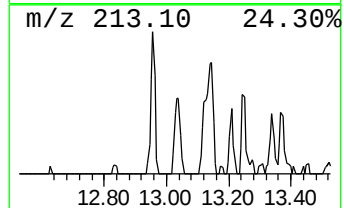
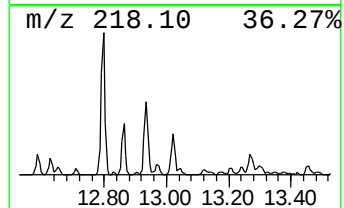
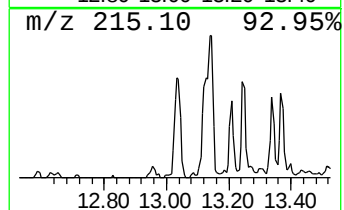
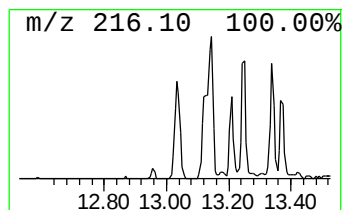
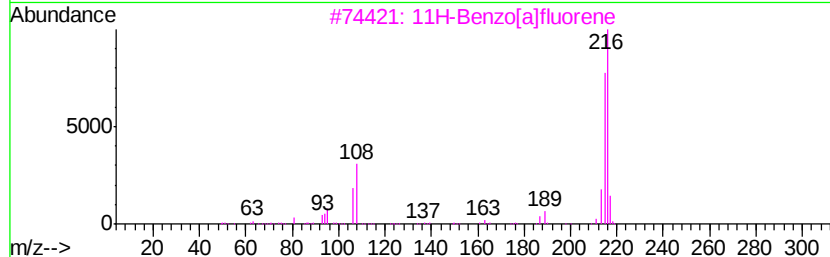
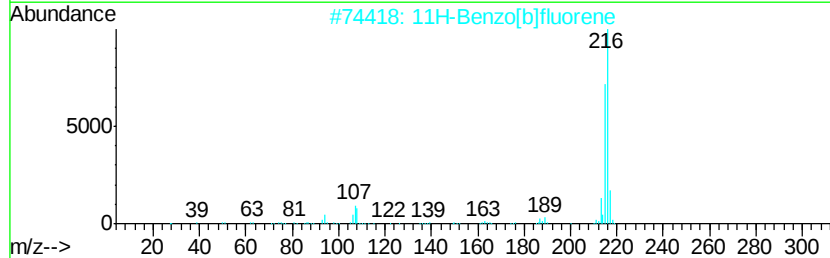
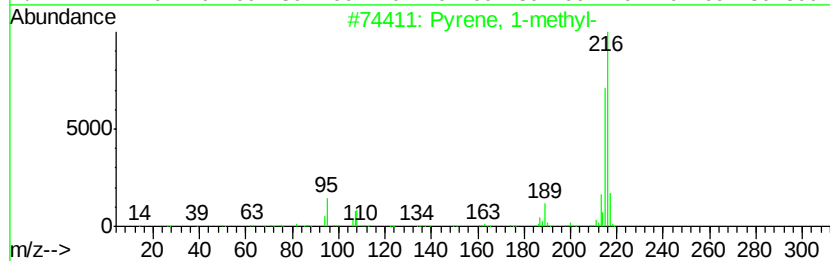
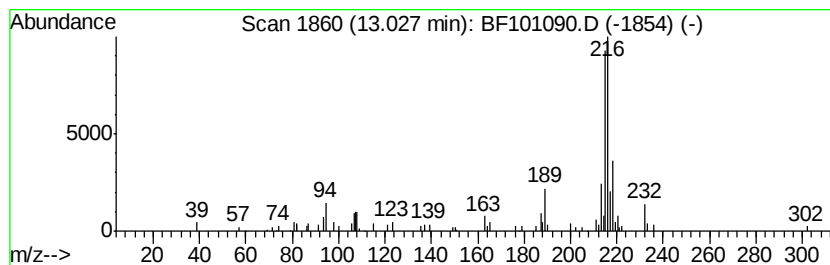
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.63 ng	107372	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
4		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 83
5		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

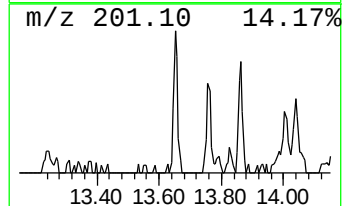
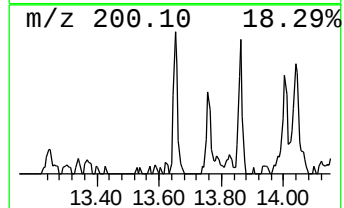
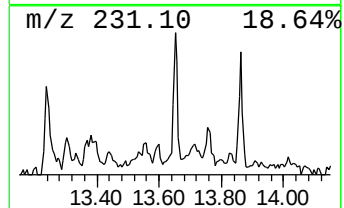
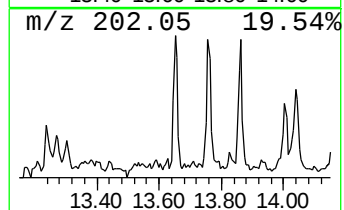
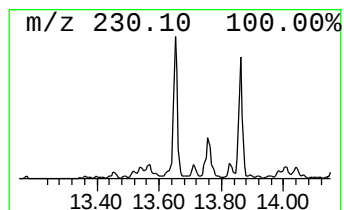
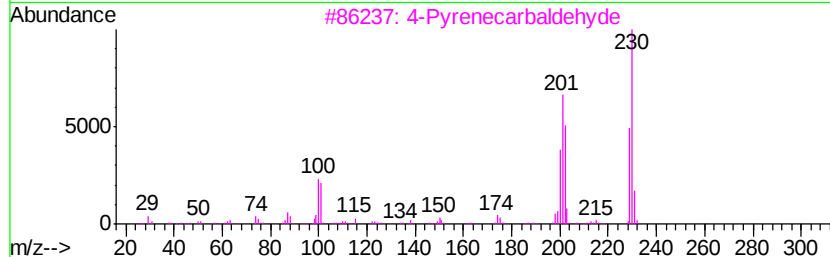
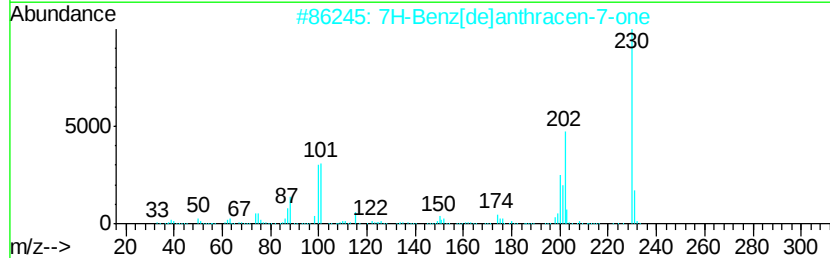
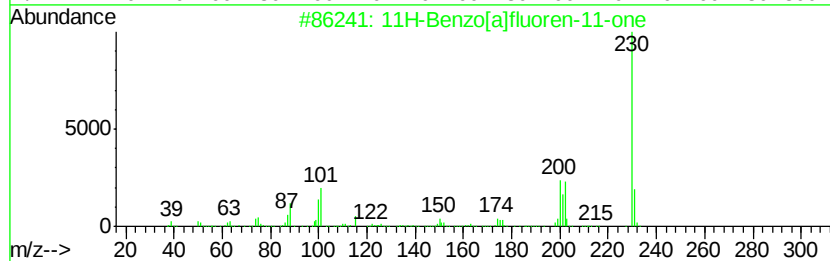
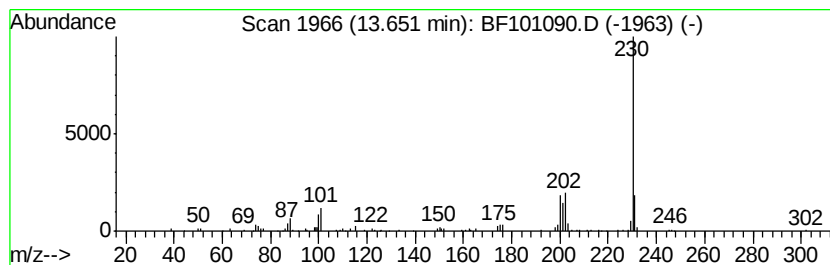
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.54 ng	103820	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	86
4		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	80
5		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

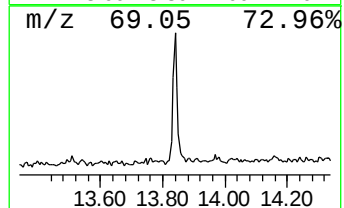
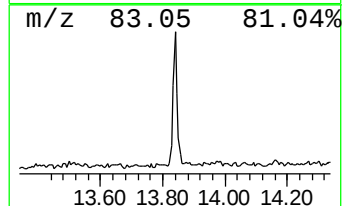
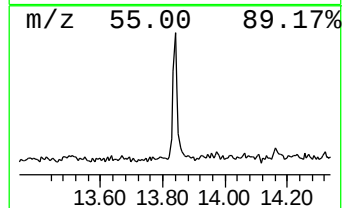
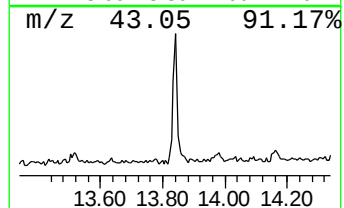
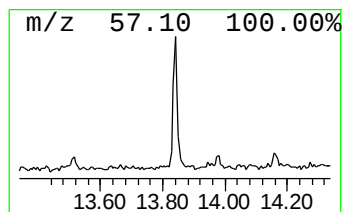
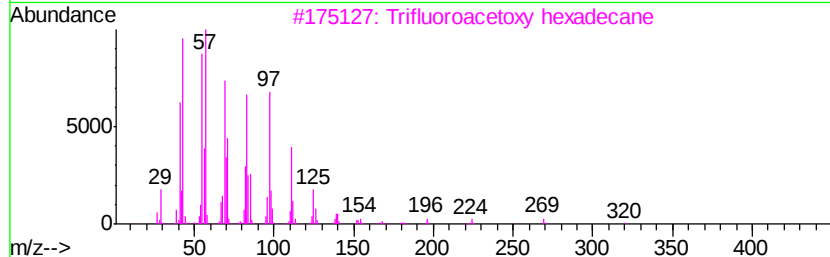
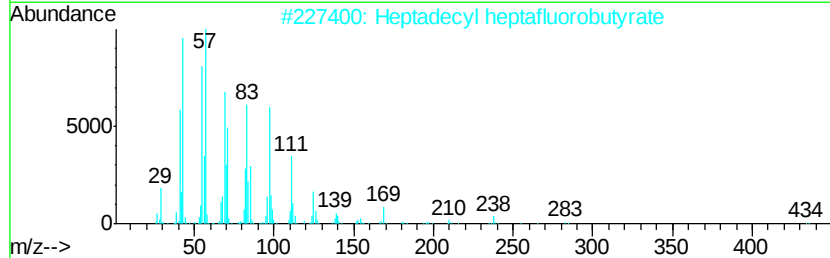
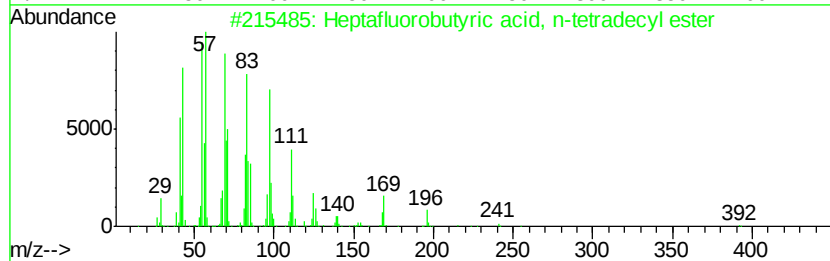
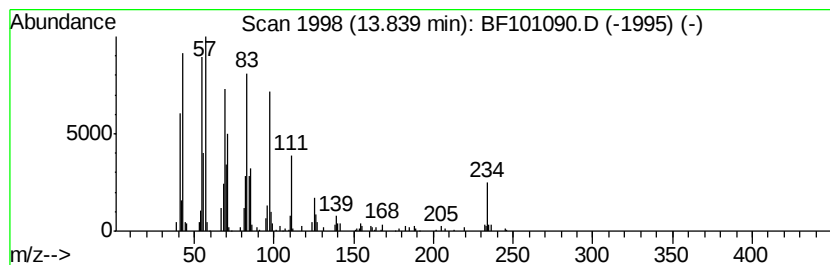
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptafluorobutyric acid, n-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	4.72 ng	193147	Chrysene-d12	14.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	93
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
3			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90
4			11-Tricosene	322	C23H46	052078-56-5	90
5			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

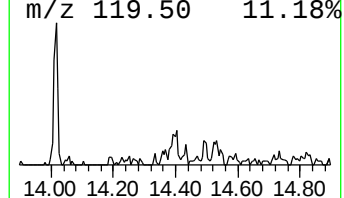
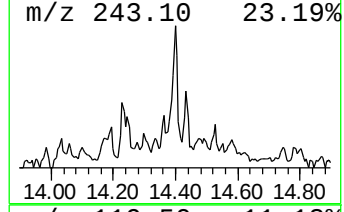
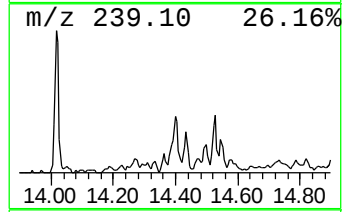
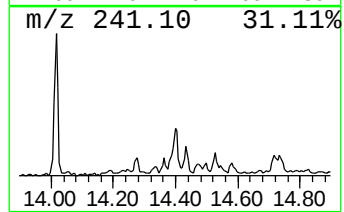
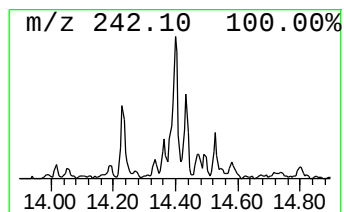
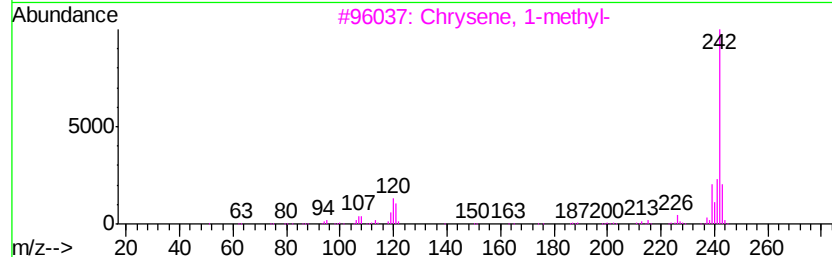
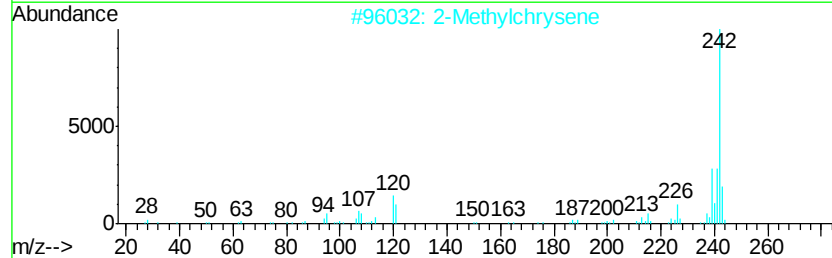
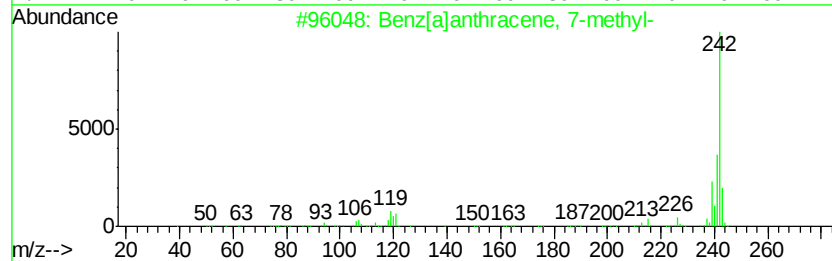
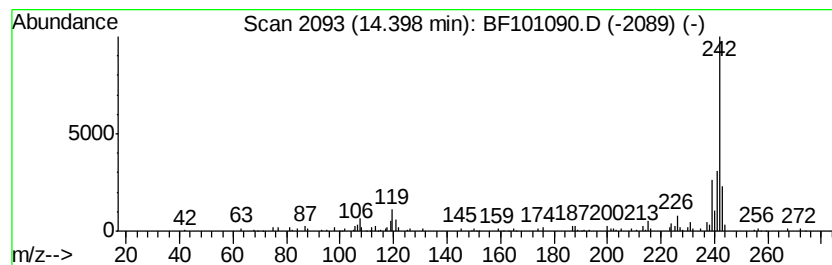
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.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, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.40	2.51 ng	102683	Chrysene-d12	14.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[<i>a</i>]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	2-Methylchrysene	242	C19H14	003351-32-4	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81
5	Benz[<i>a</i>]anthracene, 8-methyl-	242	C19H14	002381-31-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

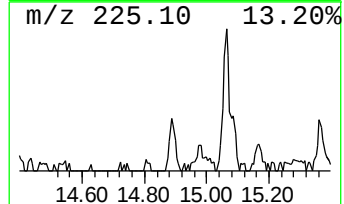
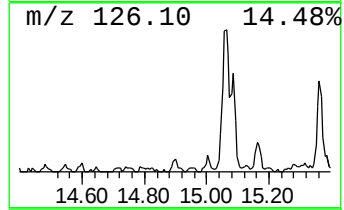
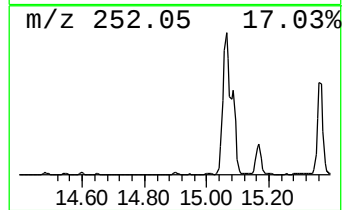
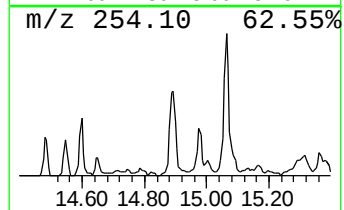
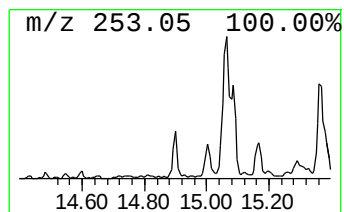
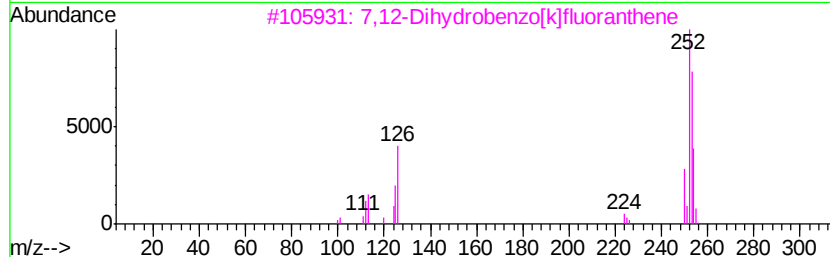
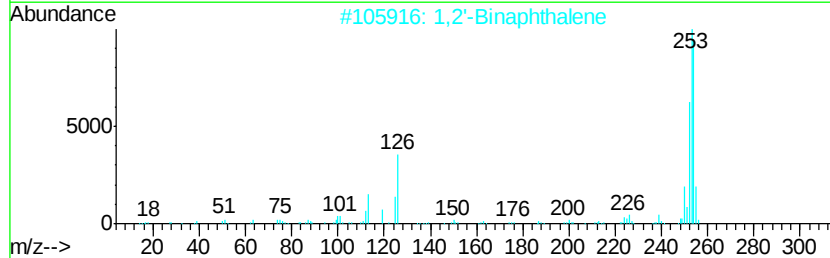
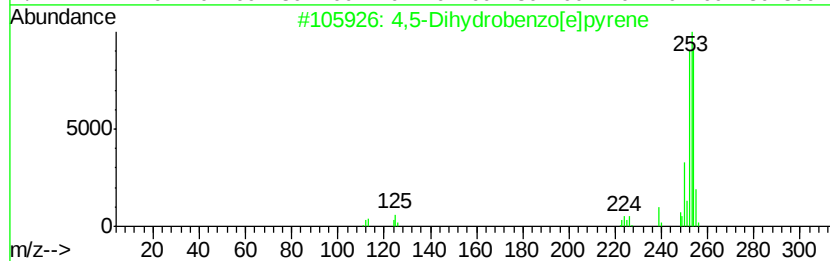
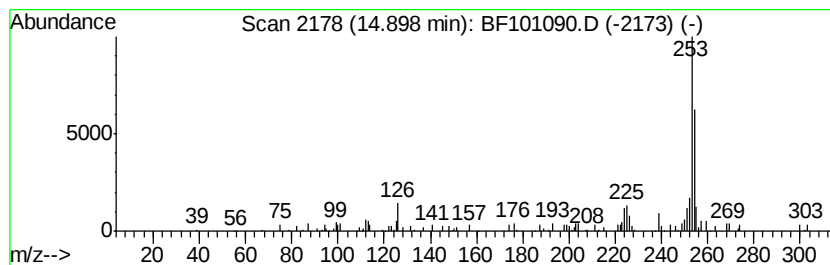
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4,5-Dihydrobenzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	4.33 ng	78367	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	81
2			1,2'-Binaphthalene	254	C20H14	004325-74-0	74
3			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	74
4			9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9	72
5			1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

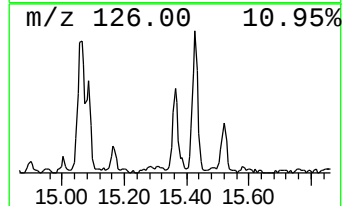
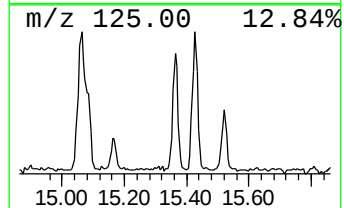
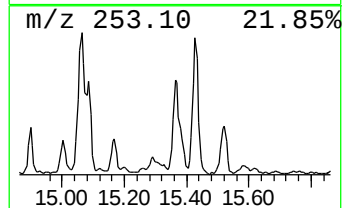
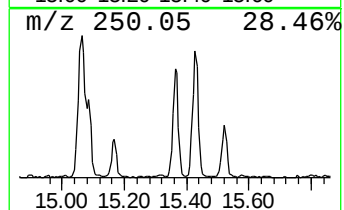
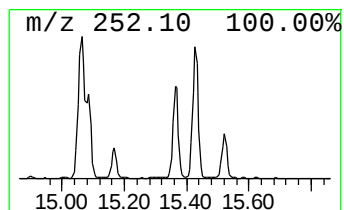
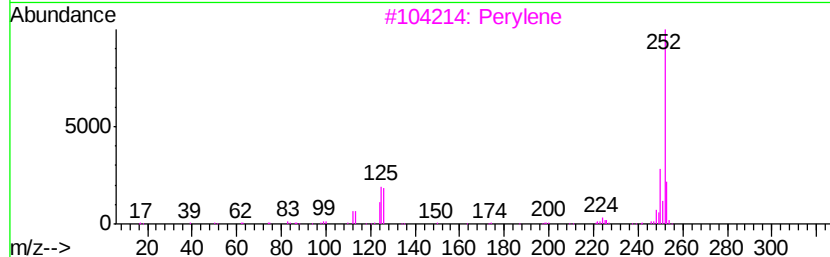
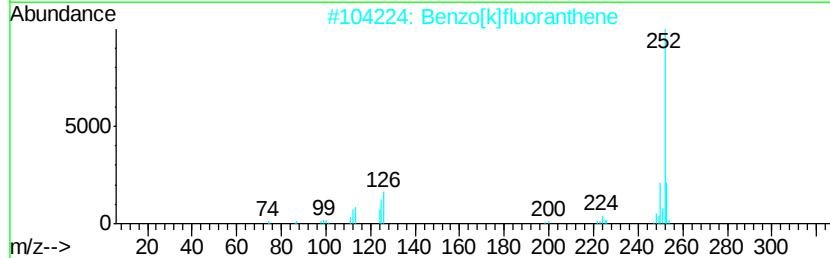
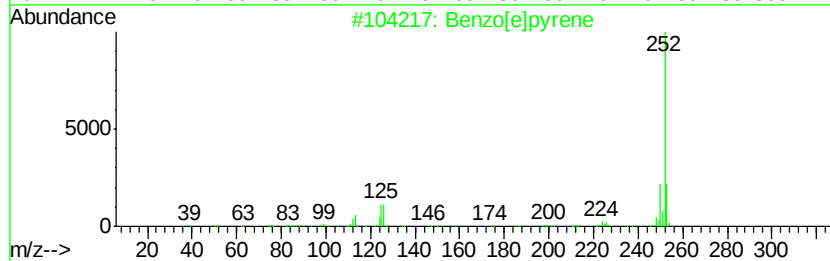
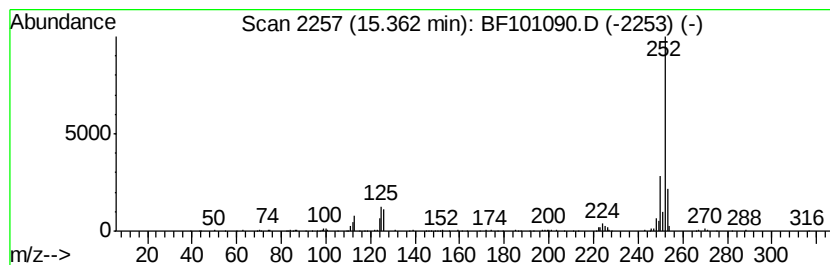
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	19.08 ng	344971	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Perylene	252	C20H12	000198-55-0	97
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	96
5		Benzo[a]pyrene	252	C20H12	000050-32-8	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

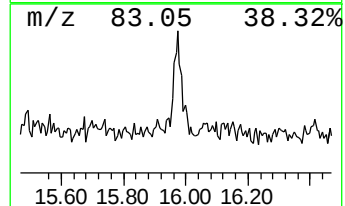
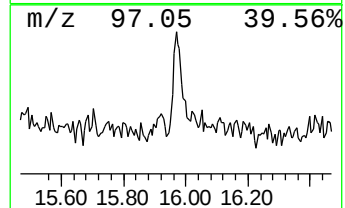
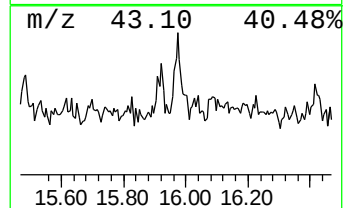
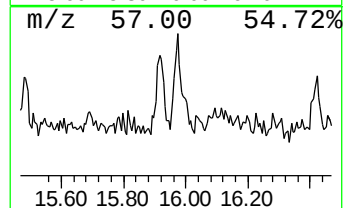
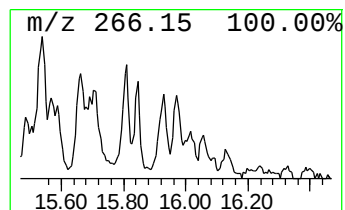
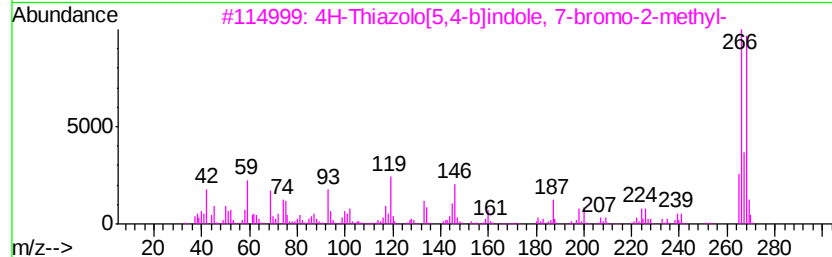
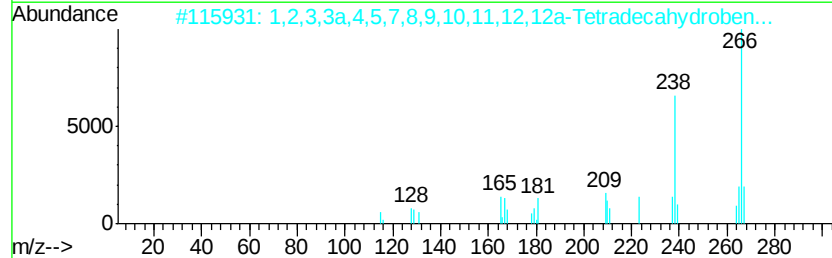
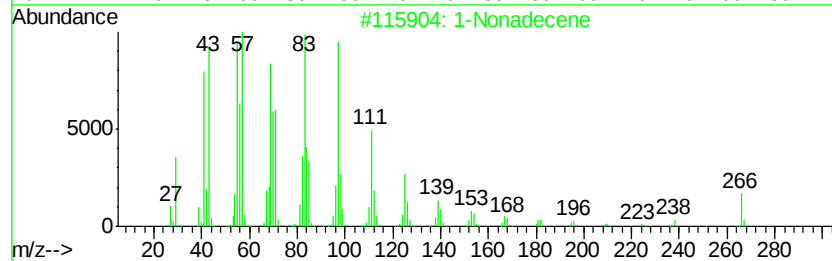
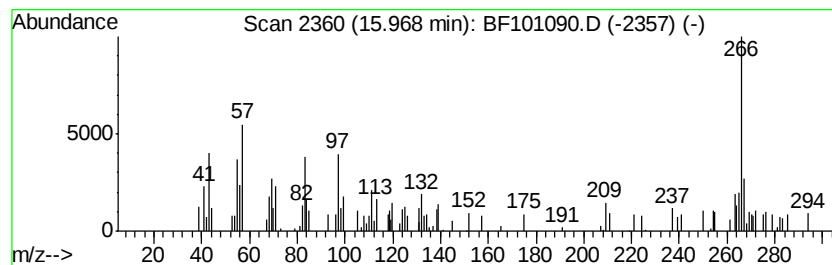
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Nonadecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	4.15 ng	75057	Perylene-d12	15.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Nonadecene		266 C19H38	018435-45-5 64
2	1,2,3,3a,4,5,7,8,9,10,11,12,12a-...		266 C20H26	095676-40-7 49
3	4H-Thiazolo[5,4-b]indole, 7-brom...		266 C10H7BrN2S	1000337-12-4 43
4	3-Chloro-11-methyl-11H-indolo[3,...		266 C16H11ClN2	155249-46-0 43
5	9,10-Anthracenedione, 1,4-bis(am...		266 C16H14N2O2	077862-13-6 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

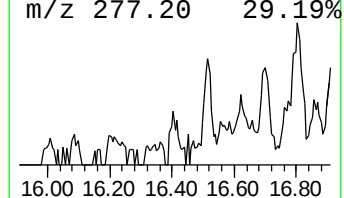
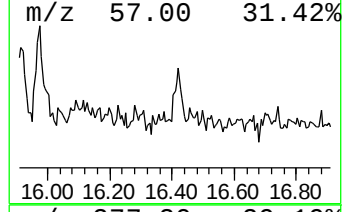
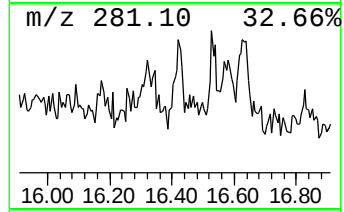
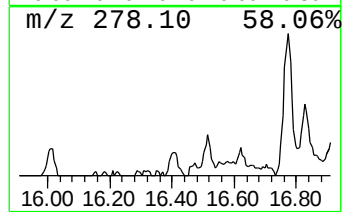
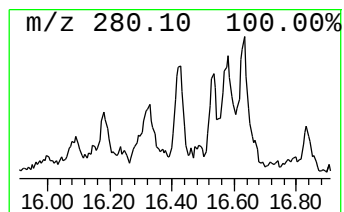
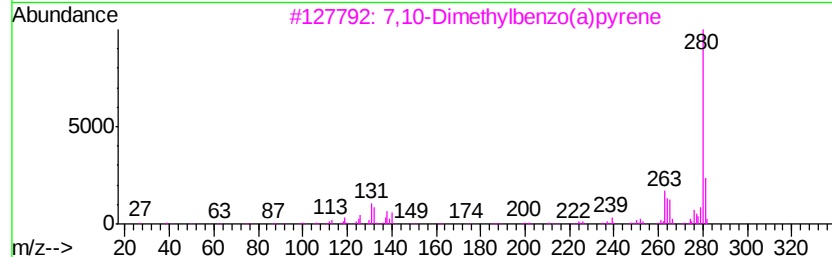
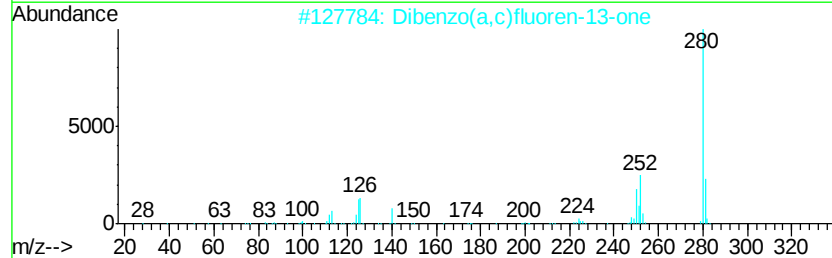
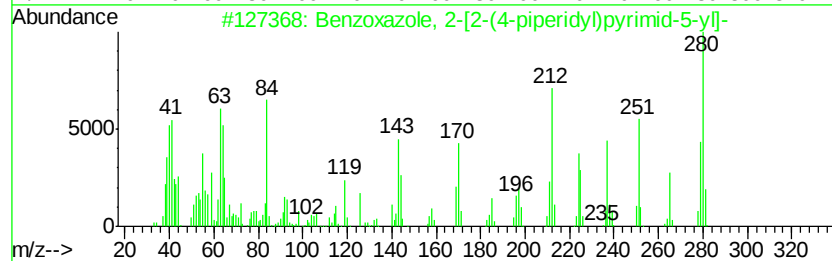
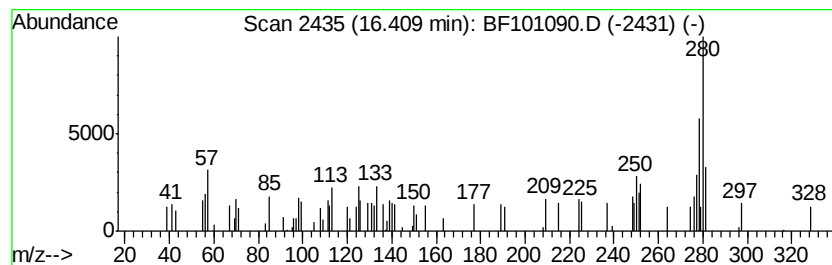
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.56 ng	46267	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoxazole, 2-[2-(4-piperidyl)pyrimid-5-yl]-	280	C16H16N4O	1000294-14-8	50
2			Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	46
3			7,10-Dimethylbenzo(a)pyrene	280	C22H16	063104-33-6	38
4			Aspidospermidine, 1,2-didehydro-...	280	C19H24N2	056245-51-3	38
5			Estra-1,3,5,7,9-pentaen-17-one, ...	280	C19H20O2	003907-67-3	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

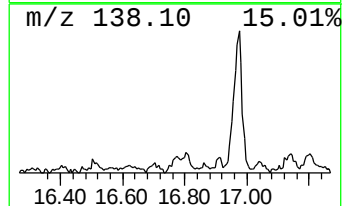
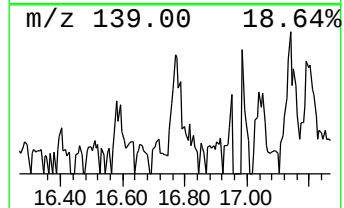
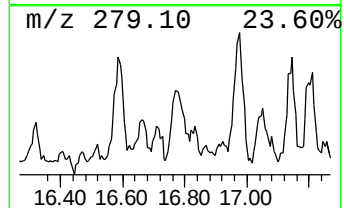
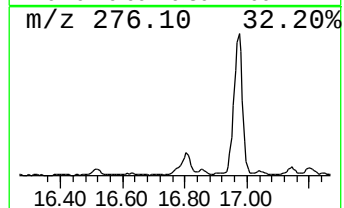
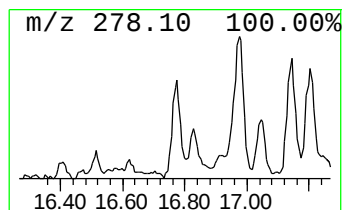
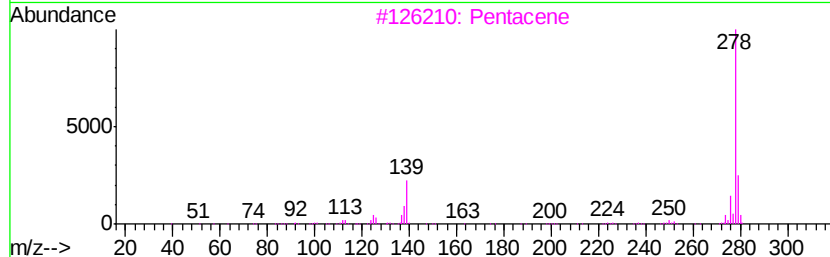
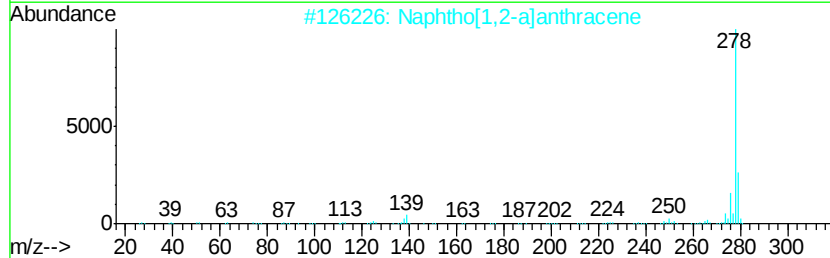
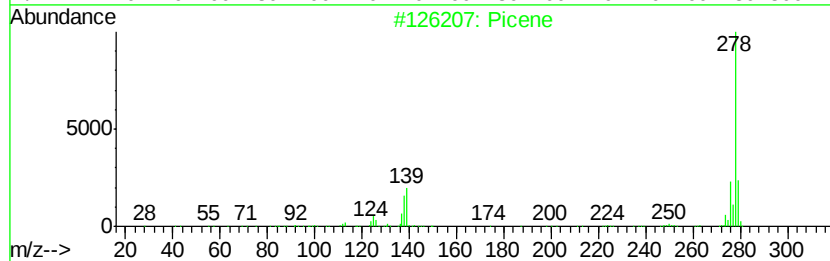
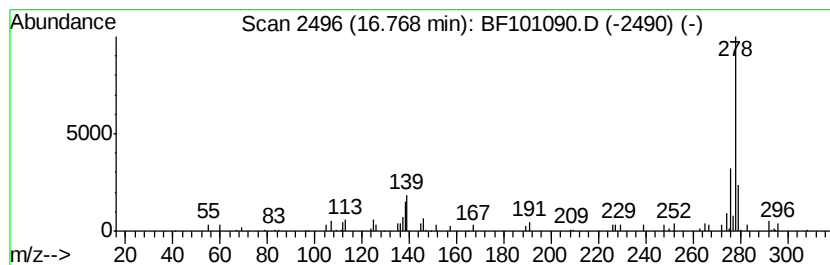
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.06 ng	73474	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	89
2			Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	81
3			Pentacene	278	C22H14	000135-48-8	76
4			Benzo[b]chrysene	278	C22H14	000214-17-5	76
5			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101090.D
Acq On : 4 Dec 2017 11:48
Operator : SJ/JU
Sample : I6620-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)-20171128

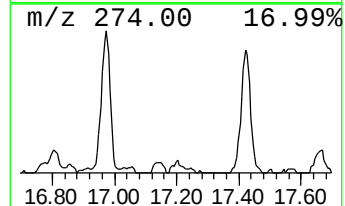
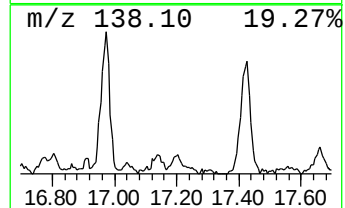
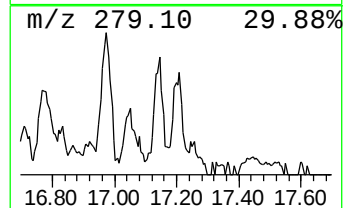
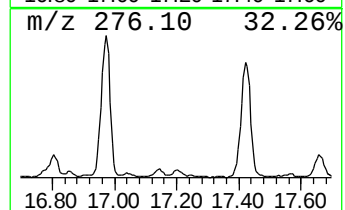
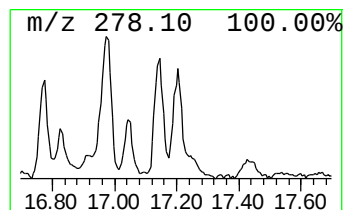
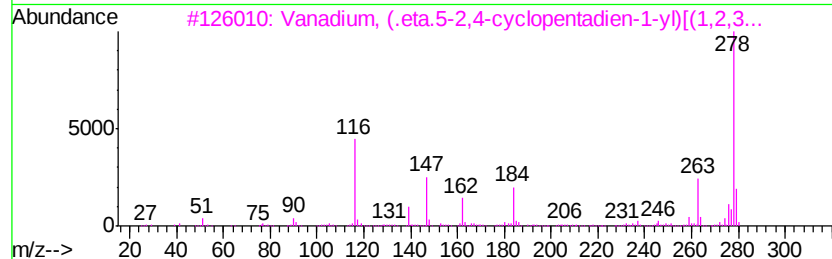
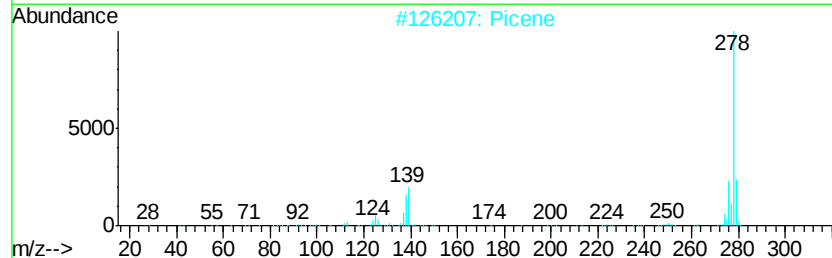
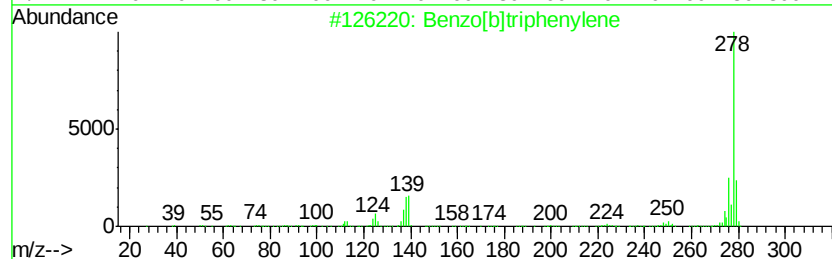
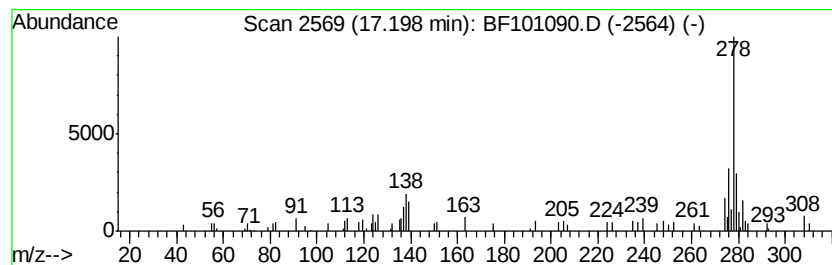
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	4.14 ng	74908	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	92
2			Picene	278	C22H14	000213-46-7	60
3			Vanadium, (.eta.5-2,4-cvclopenta...	278	C17H23V	126948-97-8	53
4			Benzo[b]chrysene	278	C22H14	000214-17-5	53
5			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
 Data File : BF101090.D
 Acq On : 4 Dec 2017 11:48
 Operator : SJ/JU
 Sample : I6620-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.07	6.2	ng	90762	1	6.85	290726	20.0
unknown6.62	6.62	89.5	ng	1300960	1	6.85	290726	20.0
Anthracene, 1-met...	11.87	2.5	ng	58572	4	11.37	475395	20.0
Phenanthrene, 2-m...	11.90	5.4	ng	128210	4	11.37	475395	20.0
4H-Cyclopenta[def...	11.99	4.6	ng	108620	4	11.37	475395	20.0
Cyclopenta(def)ph...	12.51	2.8	ng	67134	4	11.37	475395	20.0
Pyrene, 1-methyl-	13.03	2.6	ng	107372	5	14.02	817708	20.0
11H-Benzo[a]fluor...	13.65	2.5	ng	103820	5	14.02	817708	20.0
Heptafluorobutyri...	13.84	4.7	ng	193147	5	14.02	817708	20.0
Benz[a]anthracene...	14.40	2.5	ng	102683	5	14.02	817708	20.0
4,5-Dihydrobenzo[...	14.90	4.3	ng	78367	6	15.49	361666	20.0
Benzo[e]pyrene	15.36	19.1	ng	344971	6	15.49	361666	20.0
1-Nonadecene	15.97	4.2	ng	75057	6	15.49	361666	20.0
Benzoxazole, 2-[2...	16.41	2.6	ng	46267	6	15.49	361666	20.0
Picene	16.77	4.1	ng	73474	6	15.49	361666	20.0
Benzo[b]triphenylene	17.20	4.1	ng	74908	6	15.49	361666	20.0