

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095865.D
 Acq On : 11 Jun 2017 00:29
 Operator : SJ/MA
 Sample : I3594-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-A

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-BF060517.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	5.263	622	625	657	rBV	241228	627035	15.48%	1.117%
2	6.934	906	909	921	rBV	273532	585795	14.46%	1.043%
3	7.028	921	925	934	rVB	465312	753304	18.60%	1.341%
4	7.369	979	983	995	rBV	258142	333520	8.23%	0.594%
5	7.604	1019	1023	1041	rVB	439554	572662	14.14%	1.020%
6	7.769	1047	1051	1071	rBV	112183	185747	4.59%	0.331%
7	8.280	1135	1138	1155	rBV	217348	359440	8.87%	0.640%
8	9.398	1322	1328	1331	rBV	392415	526110	12.99%	0.937%
9	9.439	1331	1335	1342	rVB	1368054	1707500	42.16%	3.041%
10	10.563	1521	1526	1536	rBV	1142075	1412313	34.87%	2.515%
11	10.716	1544	1552	1560	rBV	835390	1098875	27.13%	1.957%
12	11.180	1626	1631	1641	rVB	711777	841572	20.78%	1.499%
13	11.327	1652	1656	1663	rVB	125643	160213	3.96%	0.285%
14	11.469	1677	1680	1687	rVB	97605	162891	4.02%	0.290%
15	11.580	1694	1699	1700	rBV2	259856	323528	7.99%	0.576%
16	11.698	1713	1719	1723	rBV	465066	668973	16.52%	1.191%
17	11.739	1723	1726	1735	rVV	297733	400165	9.88%	0.713%
18	11.880	1745	1750	1761	rVV2	230969	459347	11.34%	0.818%
19	11.998	1765	1770	1779	rVV2	318098	557272	13.76%	0.992%
20	12.221	1799	1808	1812	rBV2	377177	557204	13.76%	0.992%
21	12.274	1813	1817	1824	rVB	770634	993457	24.53%	1.769%
22	12.563	1859	1866	1870	rBV	292265	411417	10.16%	0.733%
23	12.657	1876	1882	1886	rBV	119414	142434	3.52%	0.254%
24	12.768	1892	1901	1906	rBV	119649	189627	4.68%	0.338%
25	12.915	1919	1926	1928	rBV3	61537	120361	2.97%	0.214%
26	13.068	1945	1952	1956	rBV3	93129	183963	4.54%	0.328%
27	13.115	1956	1960	1969	rVV2	849287	1107388	27.34%	1.972%
28	13.204	1969	1975	1977	rVV3	107890	158441	3.91%	0.282%
29	13.251	1980	1983	1987	rVV3	109970	152633	3.77%	0.272%
30	13.392	2003	2007	2017	rVV3	99579	203830	5.03%	0.363%
31	13.521	2024	2029	2036	rVV	314635	500477	12.36%	0.891%
32	13.862	2082	2087	2096	rBV5	49631	114338	2.82%	0.204%
33	14.015	2106	2113	2116	rBV	143142	257787	6.36%	0.459%
34	14.057	2116	2120	2125	rVV2	112653	168672	4.16%	0.300%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
 Data File : BF095865.D
 Acq On : 11 Jun 2017 00:29
 Operator : SJ/MA
 Sample : I3594-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-A

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-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.139	2129	2134	2141	rVB	80972	122078	3.01%	0.217%
36	14.445	2182	2186	2192	rVB	268132	353375	8.72%	0.629%
37	14.621	2212	2216	2218	rVV	287345	403904	9.97%	0.719%
38	14.674	2218	2225	2229	rVV	2354921	4050174	100.00%	7.213%
39	14.745	2231	2237	2246	rVB	949081	1267940	31.31%	2.258%
40	14.851	2247	2255	2257	rBV2	50446	129768	3.20%	0.231%
41	15.039	2283	2287	2292	rBV	302366	358774	8.86%	0.639%
42	15.151	2303	2306	2311	rVB	113225	142358	3.51%	0.254%
43	15.286	2321	2329	2334	rVB3	69436	149653	3.69%	0.267%
44	15.421	2342	2352	2356	rBV	501294	654468	16.16%	1.165%
45	15.462	2356	2359	2364	rVV	505907	588839	14.54%	1.049%
46	15.539	2368	2372	2374	rBV	224995	252546	6.24%	0.450%
47	15.574	2374	2378	2382	rVV2	776165	1045881	25.82%	1.862%
48	15.615	2382	2385	2397	rVB	350907	493959	12.20%	0.880%
49	15.774	2408	2412	2418	rBV5	72585	116306	2.87%	0.207%
50	15.874	2425	2429	2433	rBV	290614	324157	8.00%	0.577%
51	16.086	2461	2465	2469	rBV3	61886	104949	2.59%	0.187%
52	16.133	2470	2473	2477	rVV	84172	101841	2.51%	0.181%
53	16.233	2486	2490	2494	rBV	209943	284005	7.01%	0.506%
54	16.274	2494	2497	2501	rVV2	150000	216777	5.35%	0.386%
55	16.362	2507	2512	2515	rBV2	132574	199318	4.92%	0.355%
56	16.392	2515	2517	2520	rVB	146167	132529	3.27%	0.236%
57	16.456	2520	2528	2531	rBV	2408894	4003433	98.85%	7.129%
58	16.486	2531	2533	2538	rVB2	82935	99911	2.47%	0.178%
59	16.545	2539	2543	2546	rBV2	136466	197310	4.87%	0.351%
60	16.574	2546	2548	2553	rVB	108198	107516	2.65%	0.191%
61	16.633	2554	2558	2560	rBV	120157	128773	3.18%	0.229%
62	16.756	2571	2579	2582	rBV3	2415388	4012505	99.07%	7.145%
63	16.786	2582	2584	2587	rVV	93484	98728	2.44%	0.176%
64	16.833	2587	2592	2595	rVB2	94045	126285	3.12%	0.225%
65	16.933	2605	2609	2614	rBV	178761	212219	5.24%	0.378%
66	16.992	2614	2619	2625	rVB	611597	705355	17.42%	1.256%
67	17.068	2629	2632	2636	rVV2	187014	250685	6.19%	0.446%
68	17.115	2636	2640	2643	rVB	122641	155885	3.85%	0.278%
69	17.180	2645	2651	2653	rBV4	190895	345319	8.53%	0.615%
70	17.215	2653	2657	2660	rVB	531996	633688	15.65%	1.128%
71	17.298	2667	2671	2675	rVB	526382	609973	15.06%	1.086%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095865.D
 Acq On : 11 Jun 2017 00:29
 Operator : SJ/MA
 Sample : I3594-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-A

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-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.345	2675	2679	2685	rBV3	345712	626461	15.47%	1.116%
73	17.456	2695	2698	2702	rVB	186442	188361	4.65%	0.335%
74	17.498	2702	2705	2711	rVB2	177972	210023	5.19%	0.374%
75	17.850	2762	2765	2771	rBV4	80606	154970	3.83%	0.276%
76	18.015	2789	2793	2795	rBV	248797	288599	7.13%	0.514%
77	18.045	2795	2798	2801	rVV2	297283	324955	8.02%	0.579%
78	18.074	2801	2803	2807	rVV	249616	277547	6.85%	0.494%
79	18.115	2807	2810	2814	rVB	205223	232526	5.74%	0.414%
80	18.339	2842	2848	2851	rBV2	1435844	2326666	57.45%	4.143%
81	18.386	2851	2856	2866	rVB2	1390802	2052824	50.68%	3.656%
82	18.468	2866	2870	2874	rBV	424133	467158	11.53%	0.832%
83	18.550	2881	2884	2891	rBV3	152322	218729	5.40%	0.390%
84	18.615	2892	2895	2899	rVV	224408	234040	5.78%	0.417%
85	18.662	2899	2903	2910	rVB2	184197	263308	6.50%	0.469%
86	18.844	2929	2934	2938	rBV2	280320	412914	10.19%	0.735%
87	18.886	2938	2941	2945	rVB2	169086	178130	4.40%	0.317%
88	18.956	2950	2953	2956	rBV2	144068	161646	3.99%	0.288%
89	18.992	2956	2959	2962	rBV2	135574	185298	4.58%	0.330%
90	19.450	3034	3037	3041	rBV2	115821	143435	3.54%	0.255%
91	19.621	3060	3066	3068	rBV	1206789	1993675	49.22%	3.550%
92	19.721	3080	3083	3087	rVB	277680	283693	7.00%	0.505%
93	19.903	3110	3114	3118	rVB	729232	824330	20.35%	1.468%
94	19.968	3120	3125	3128	rVV	1113196	1335184	32.97%	2.378%
95	20.015	3130	3133	3135	rVV	219757	225141	5.56%	0.401%
96	20.044	3135	3138	3141	rVB	297230	298362	7.37%	0.531%
97	20.533	3219	3221	3228	rVB3	113074	161481	3.99%	0.288%
98	21.197	3328	3334	3339	rVB	546938	877961	21.68%	1.563%
99	21.527	3385	3390	3400	rVB	412997	723555	17.86%	1.289%
100	21.721	3419	3423	3436	rVB	125155	304286	7.51%	0.542%

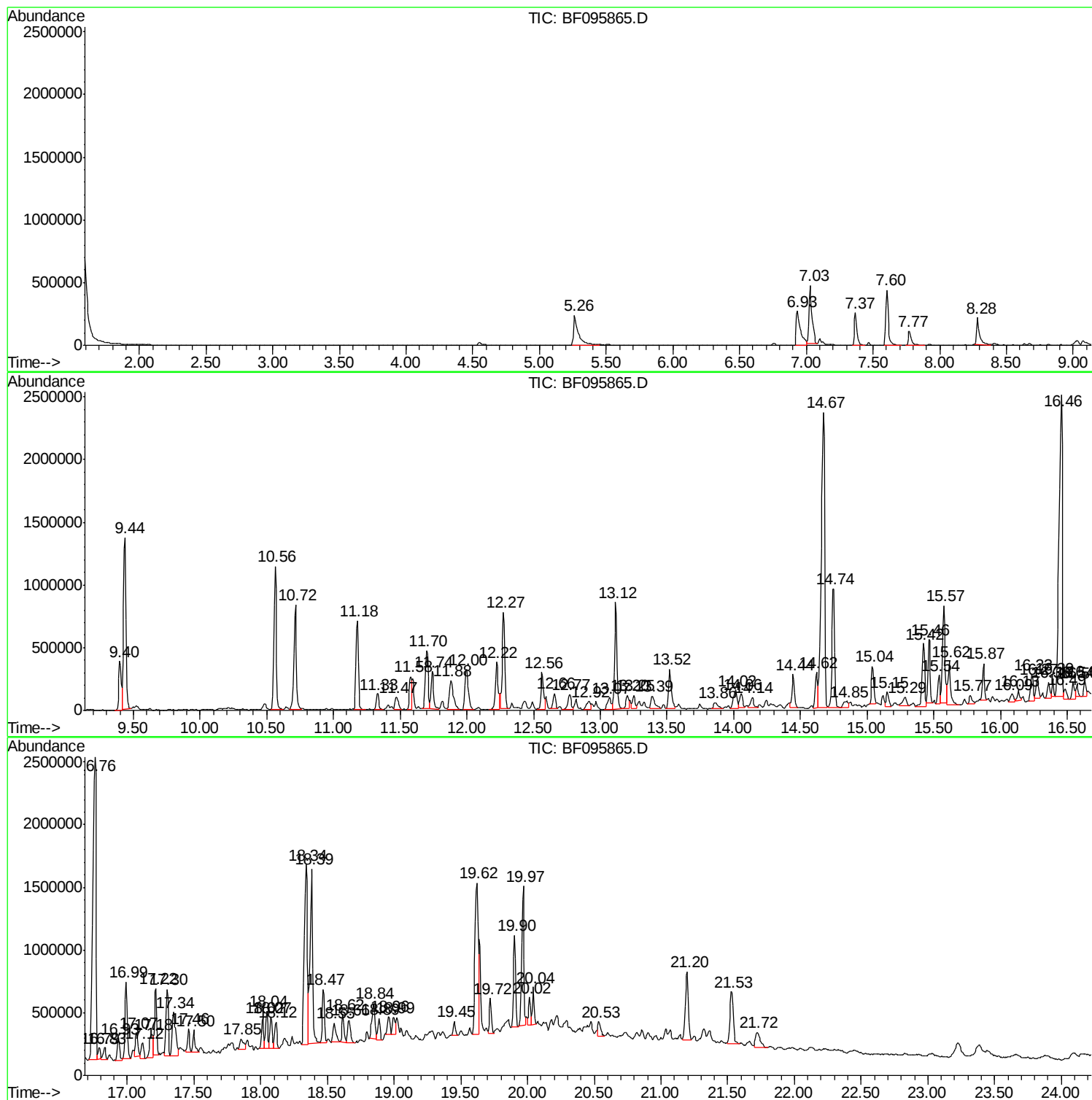
Sum of corrected areas: 56154733

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

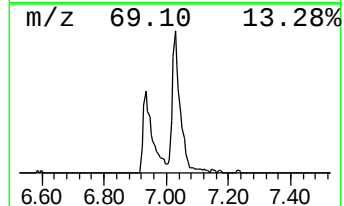
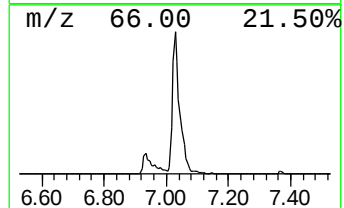
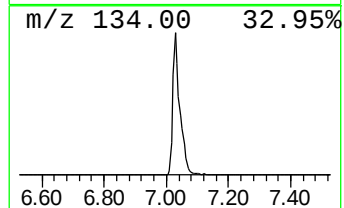
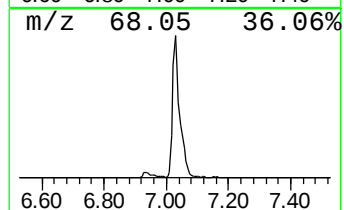
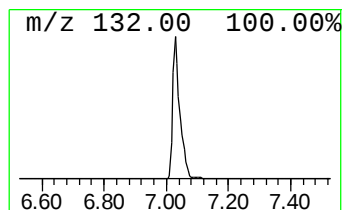
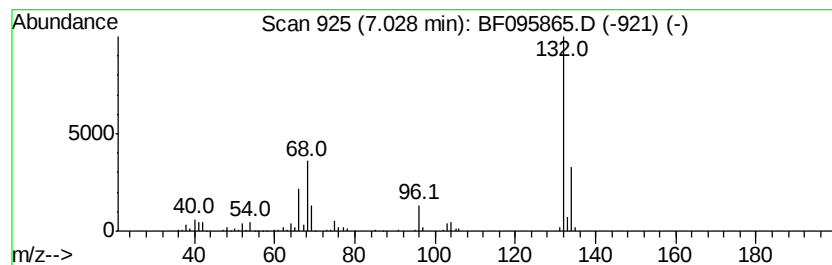
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	45.17 ng	753304	1,4-Dichlorobenzene-d4	7.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

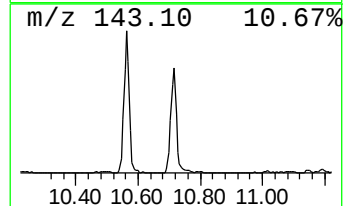
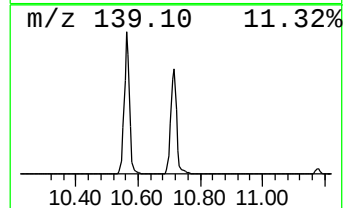
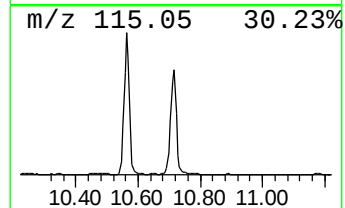
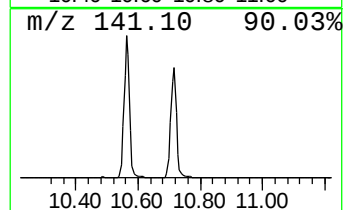
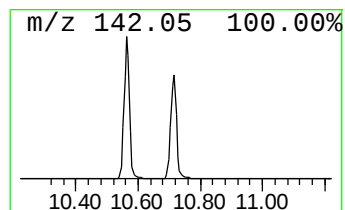
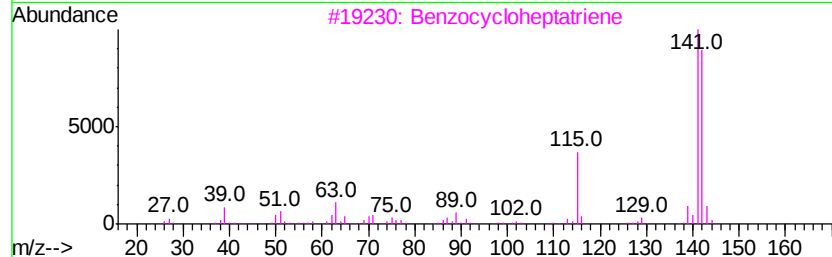
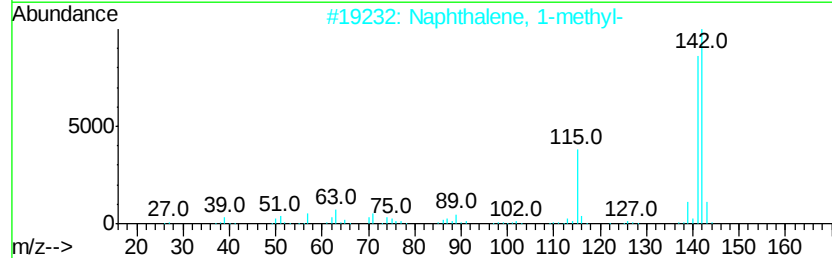
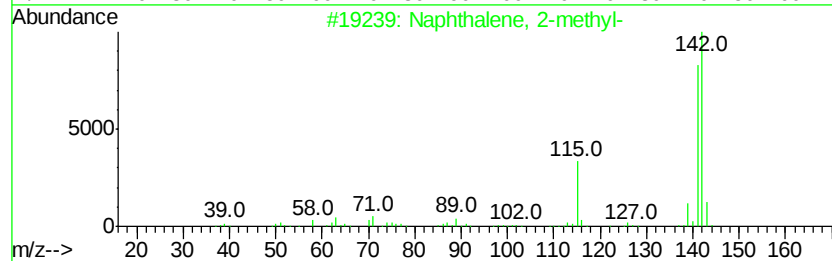
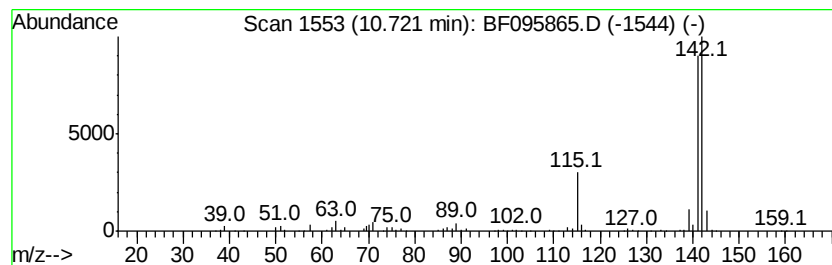
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	41.77 ng	1098880	Naphthalene-d8	9.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

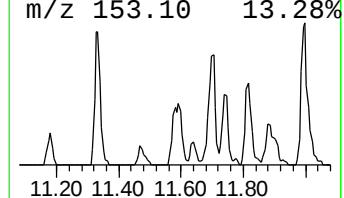
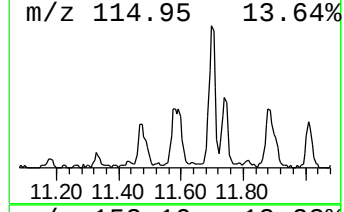
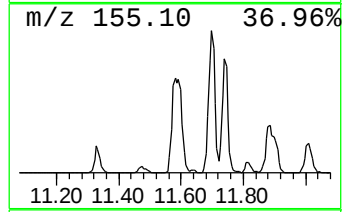
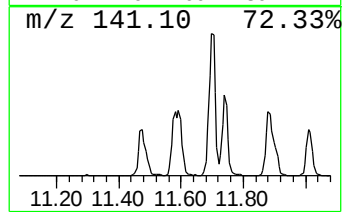
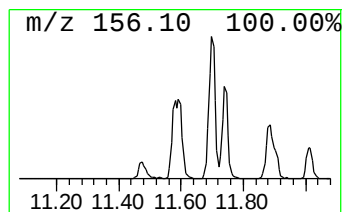
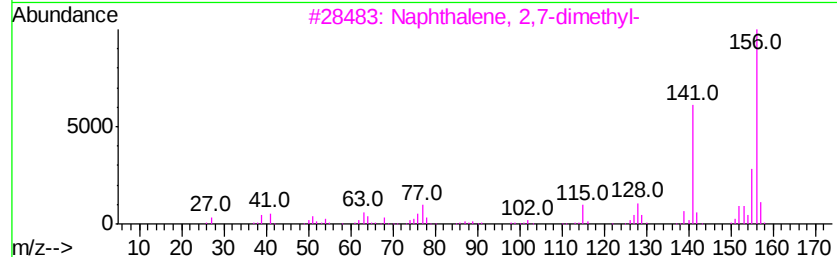
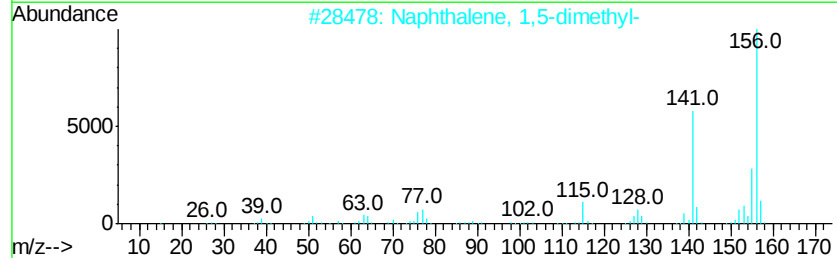
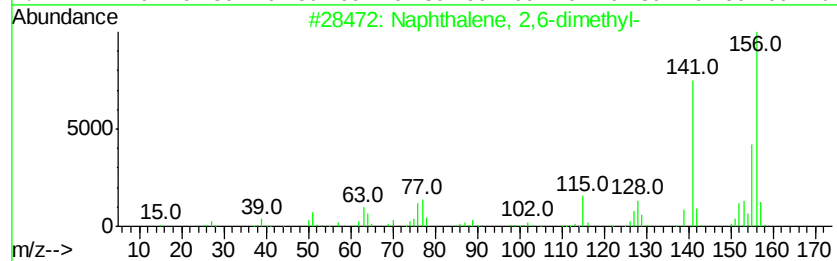
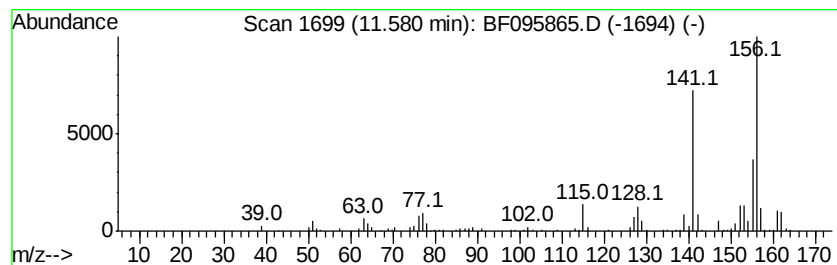
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	11.61 ng	323528	Acenaphthene-d10	12.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

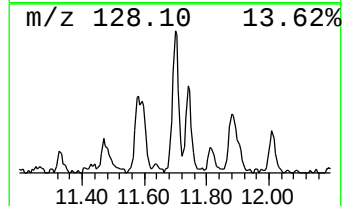
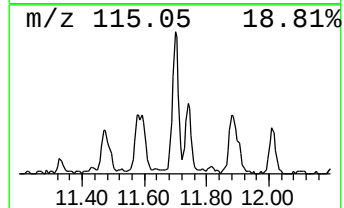
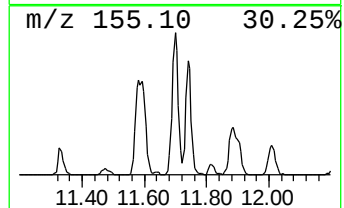
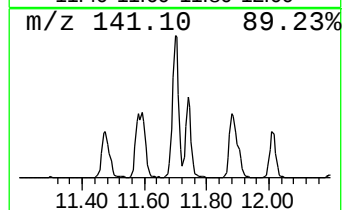
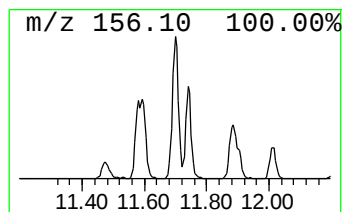
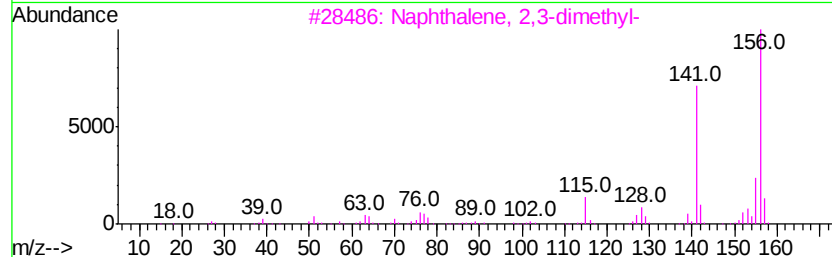
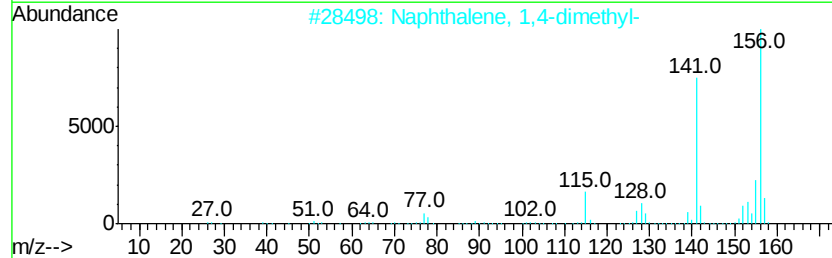
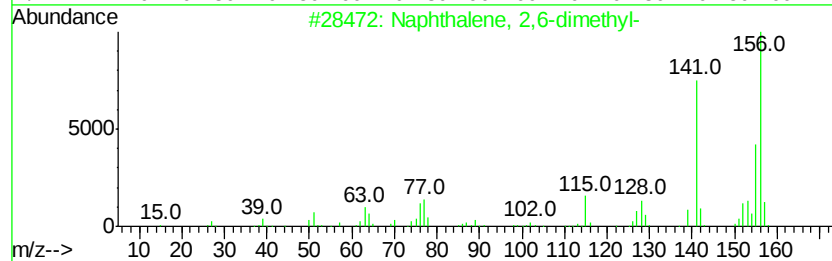
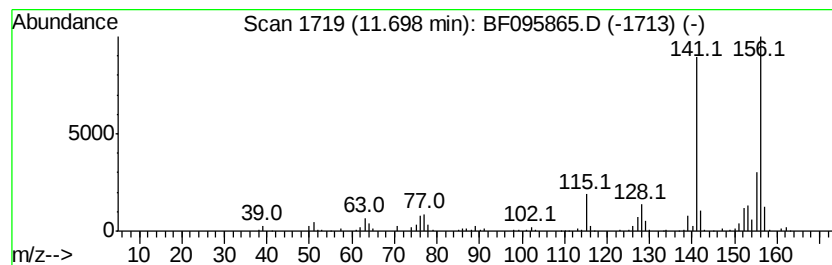
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	24.01 ng	668973	Acenaphthene-d10	12.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

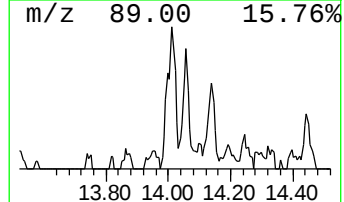
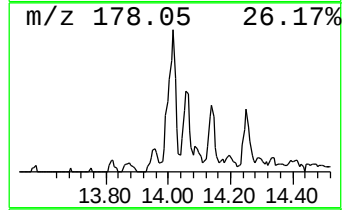
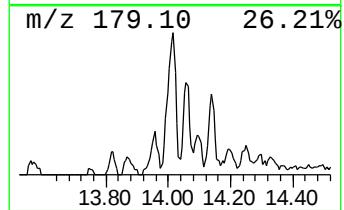
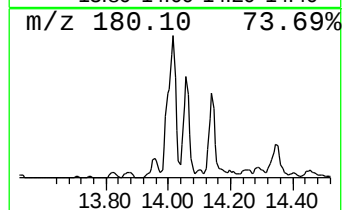
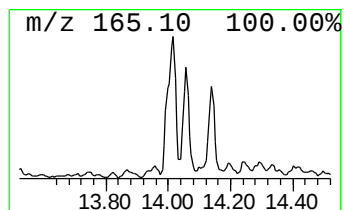
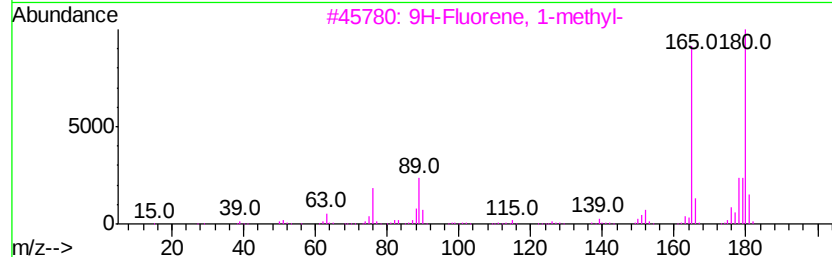
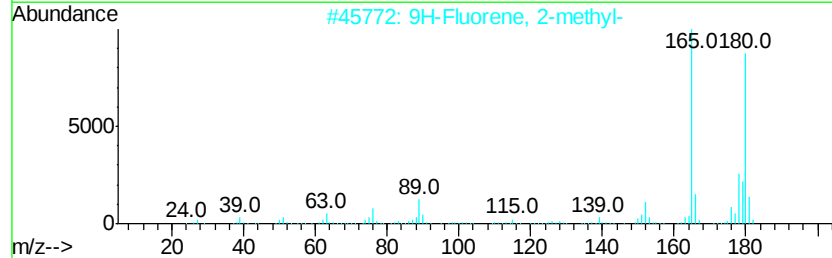
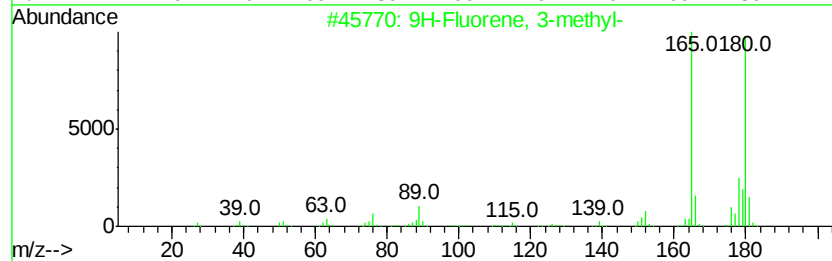
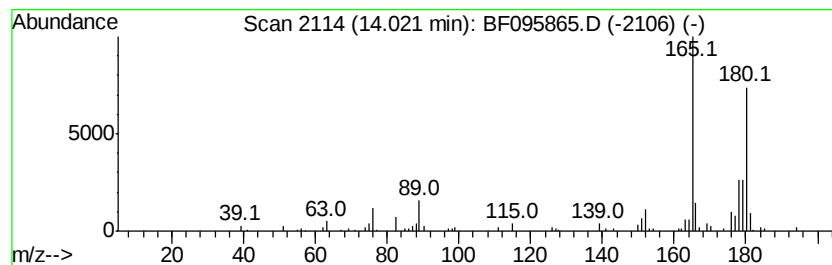
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	12.76 ng	257787	Phenanthrene-d10	14.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

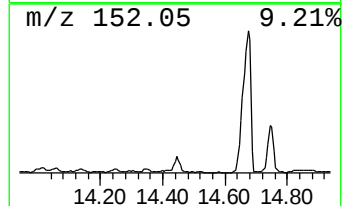
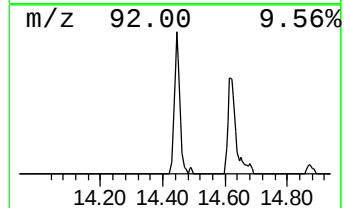
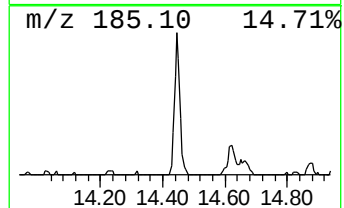
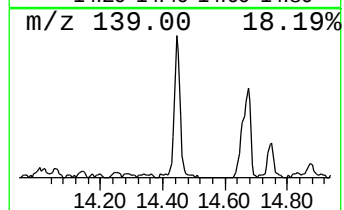
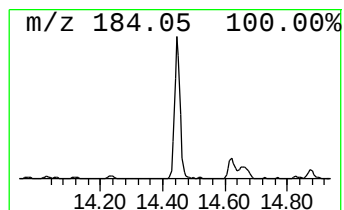
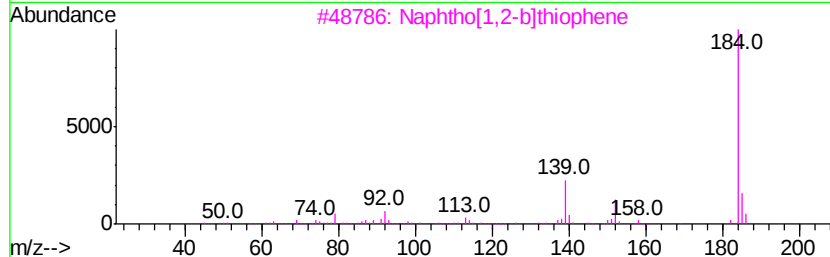
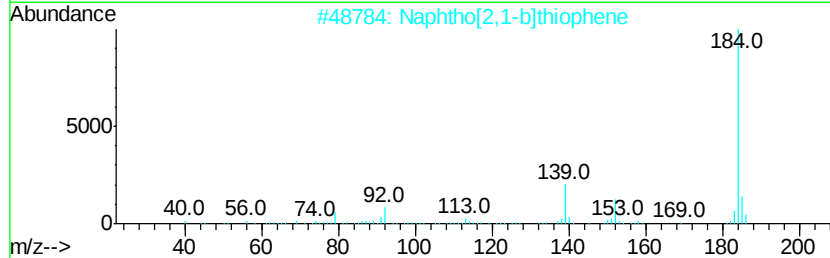
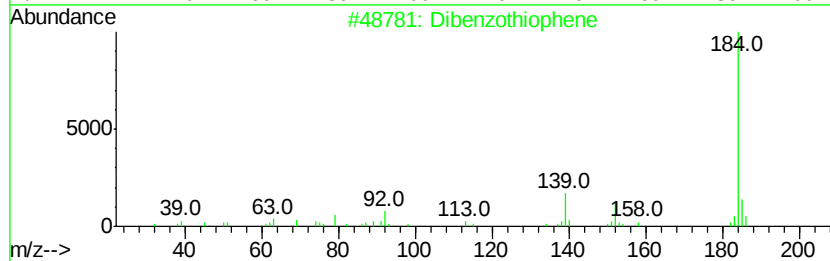
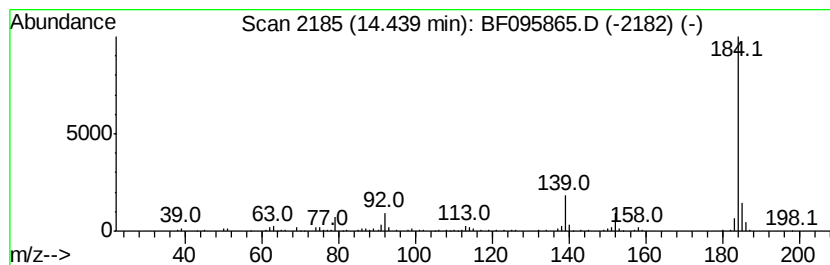
Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	17.50 ng	353375	Phenanthrene-d10	14.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 97
2		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 95
3		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 95
4		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 94
5		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

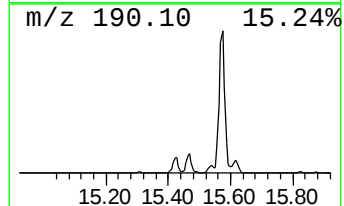
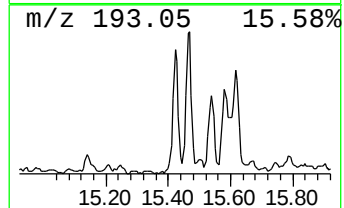
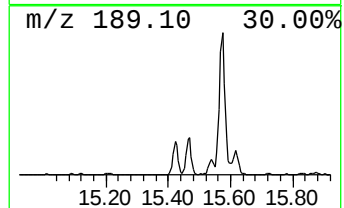
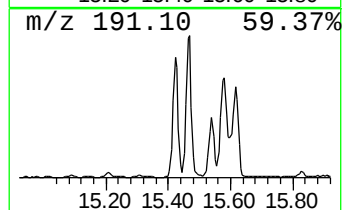
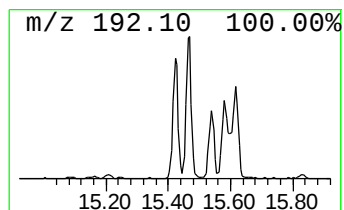
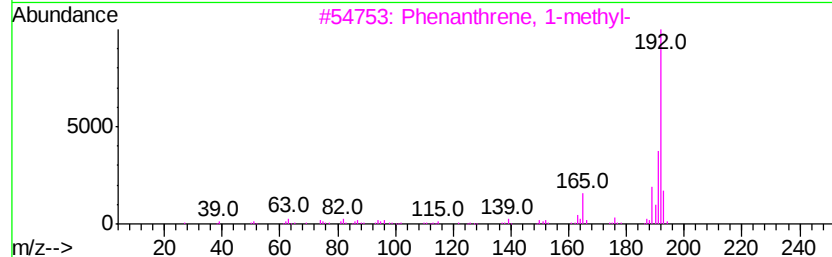
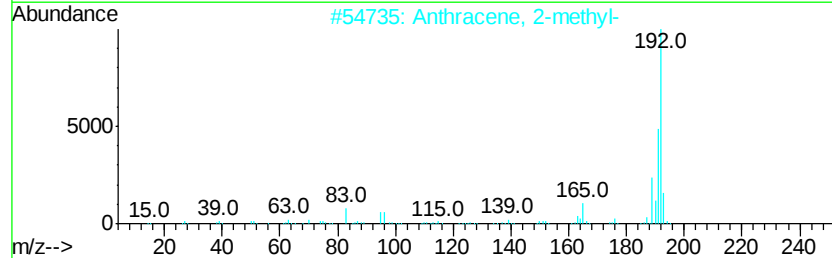
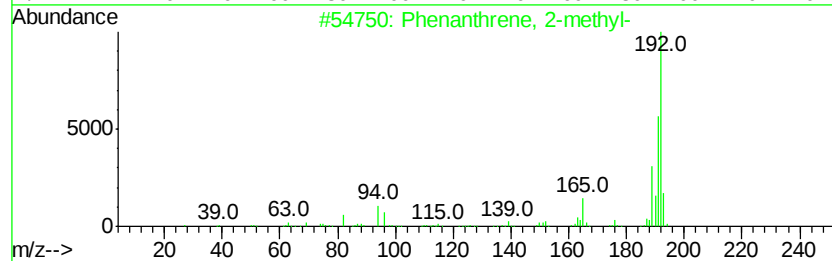
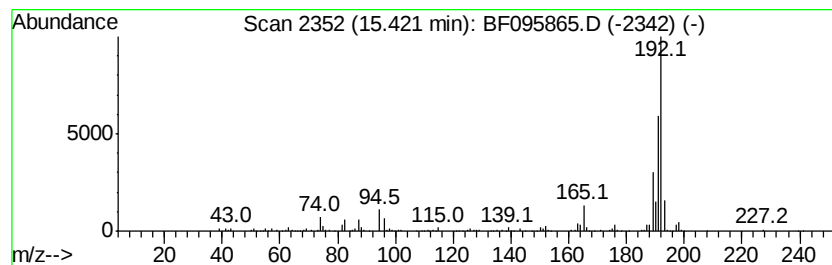
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	32.41 ng	654468	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

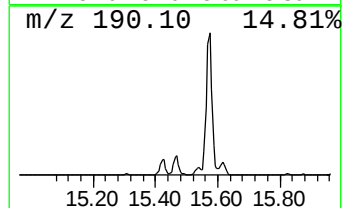
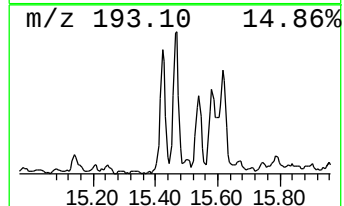
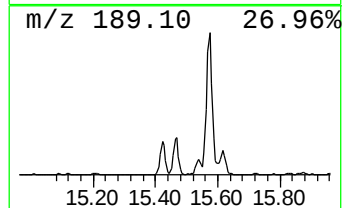
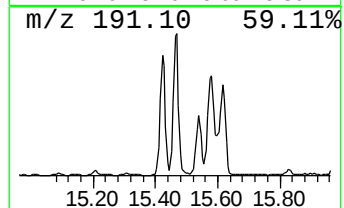
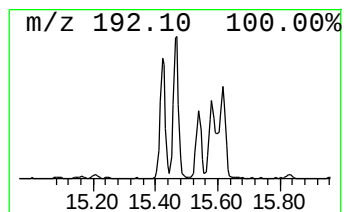
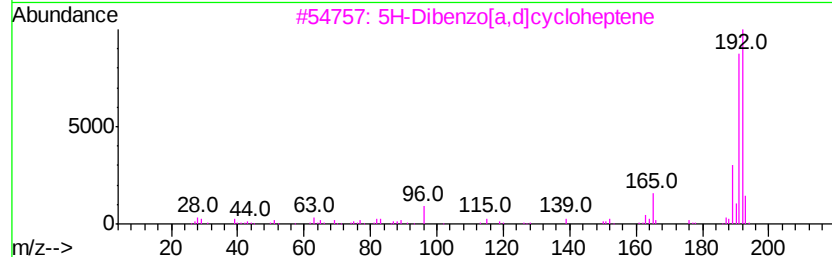
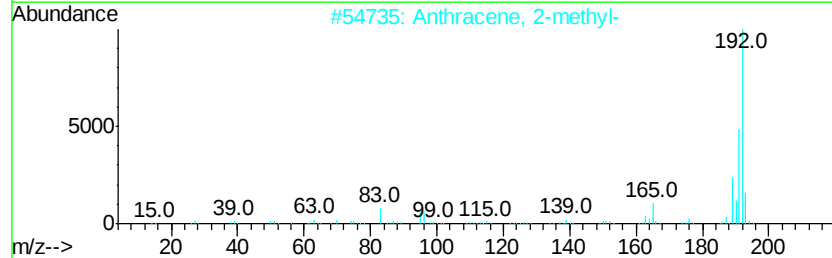
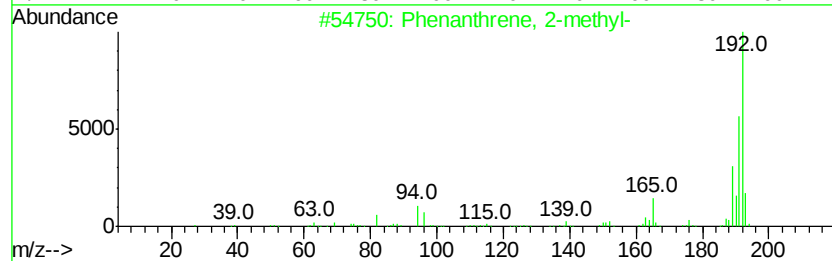
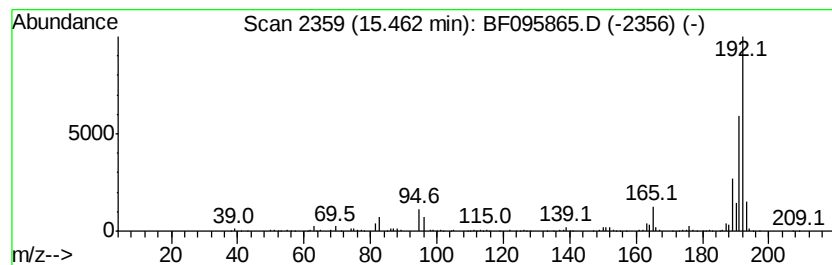
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	29.16 ng	588839	Phenanthrene-d10	14.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

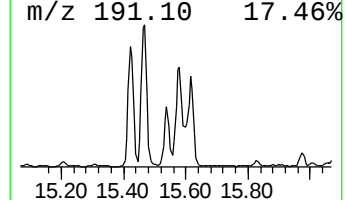
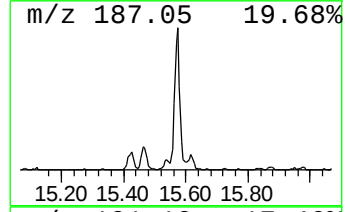
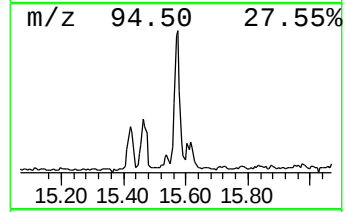
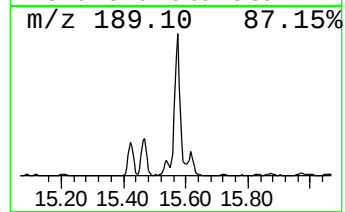
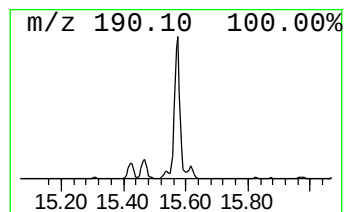
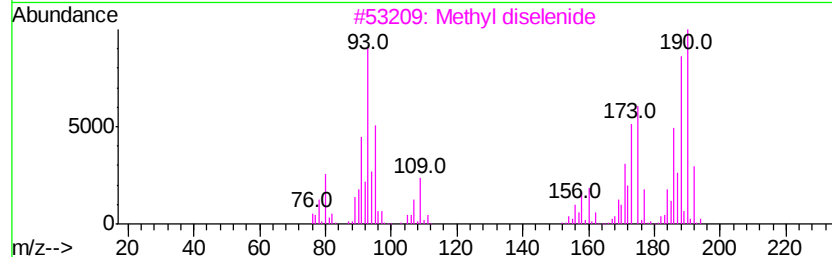
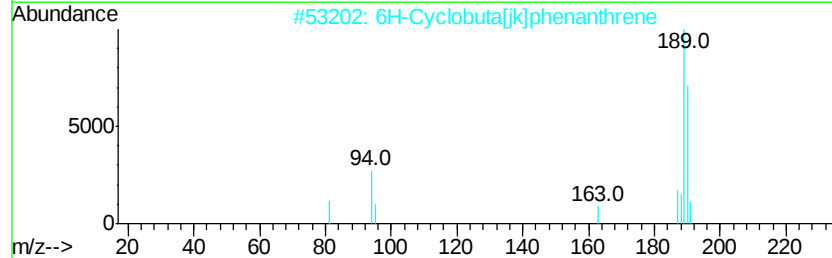
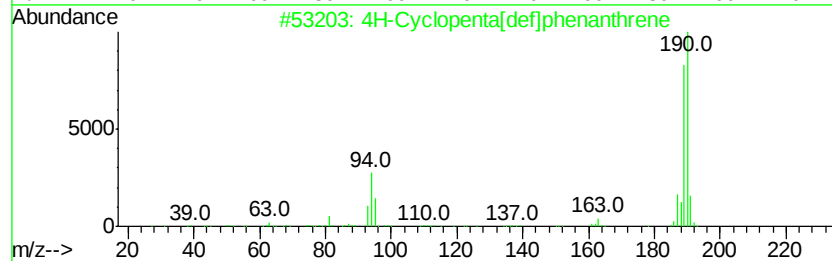
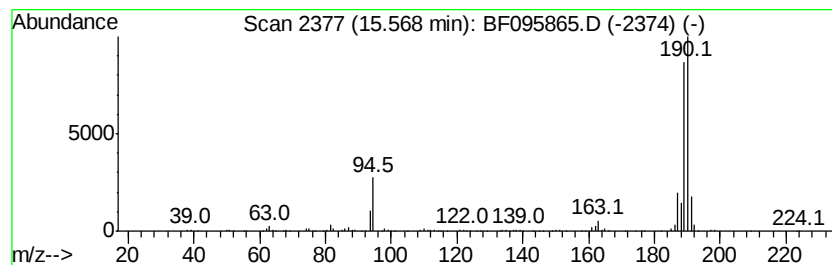
Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.57	51.79 ng	1045880	Phenanthrene-d10	14.62		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3		Methyl diselenide	190	C2H6Se2	007101-31-7	49
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

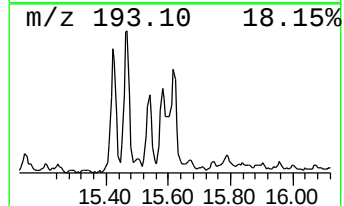
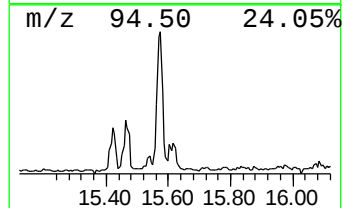
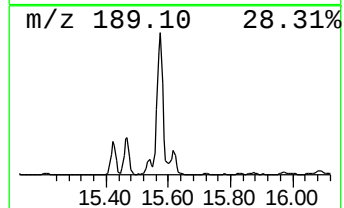
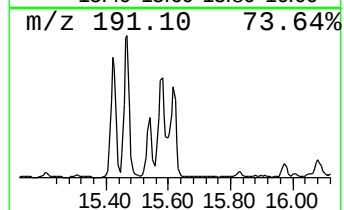
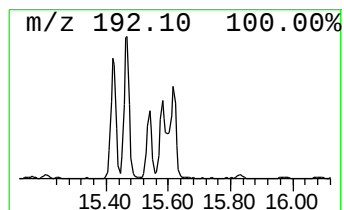
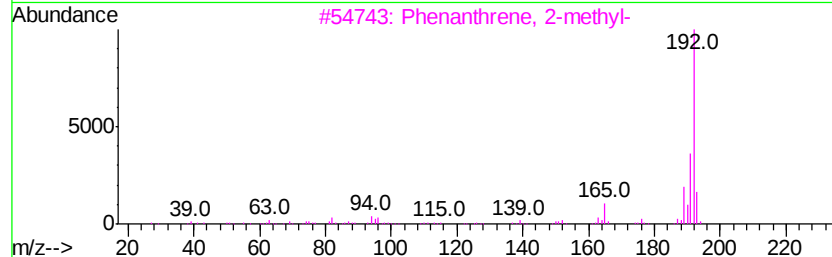
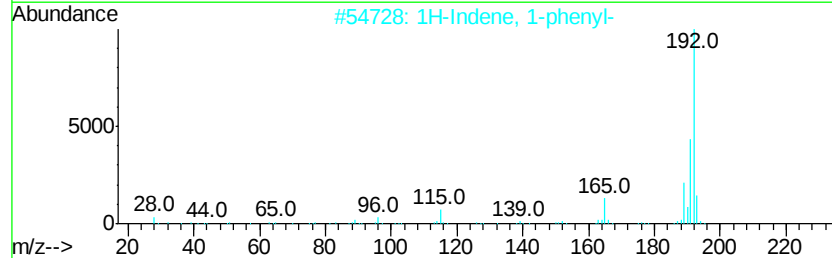
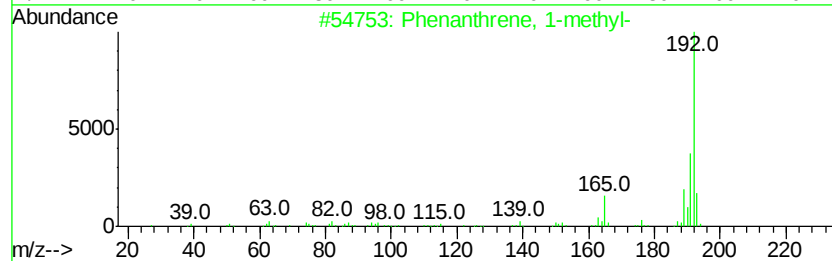
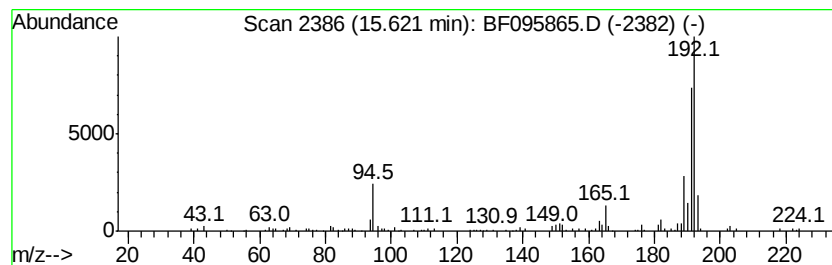
Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.62	24.46 ng	493959	Phenanthrene-d10	14.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

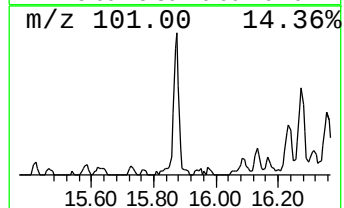
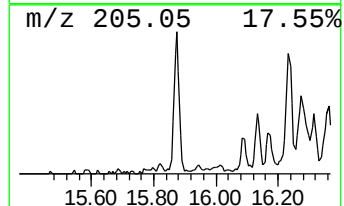
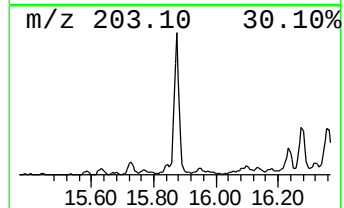
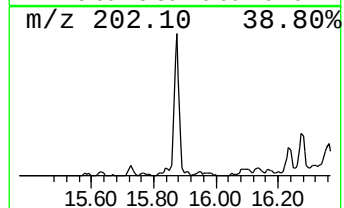
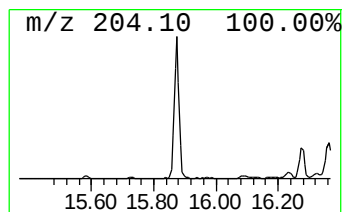
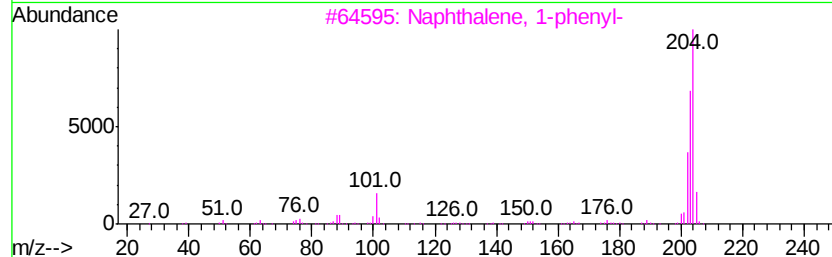
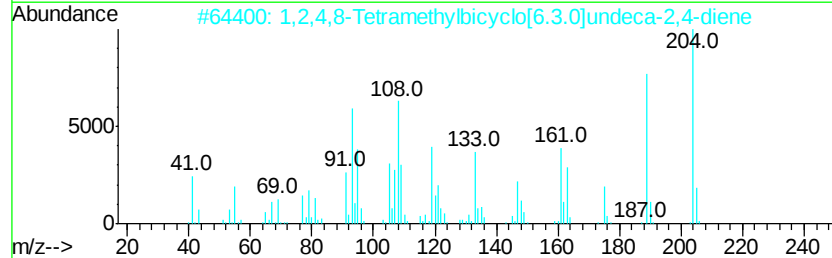
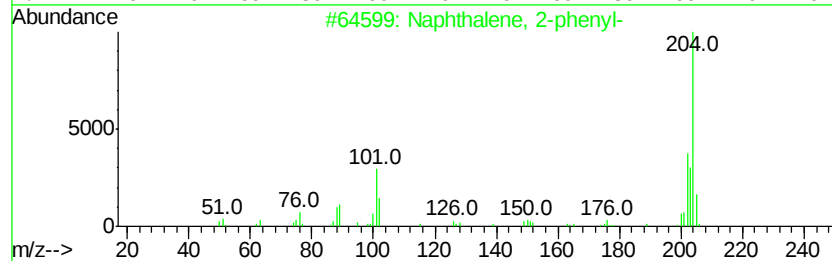
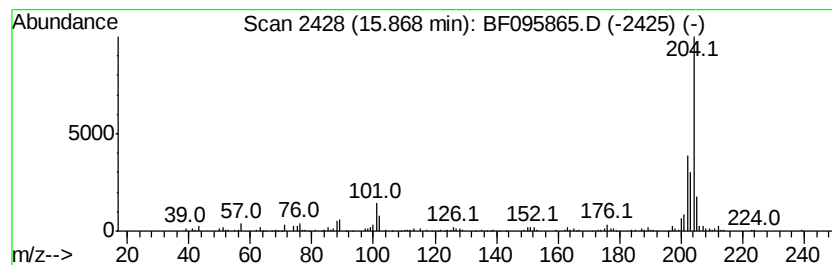
Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.87	16.05 ng	324157	Phenanthrene-d10	14.62		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0.0 ^{1,2} .0 ^{4,5}]	204	C15H24	137235-51-9	87
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		5,16[1',2']:8,13[1'',2'']-Dibenz[1,2-b:4,5-b']diphenylene	408	C32H24	005672-97-9	78
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

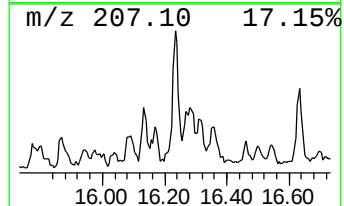
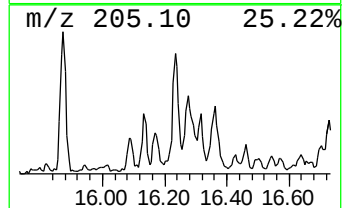
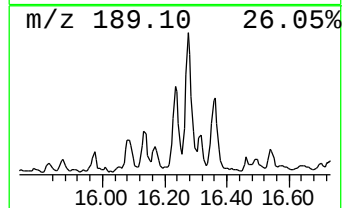
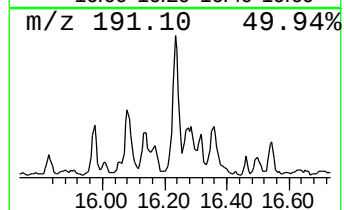
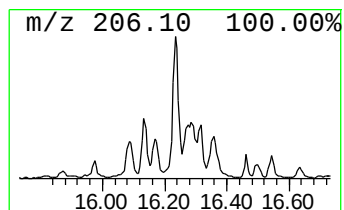
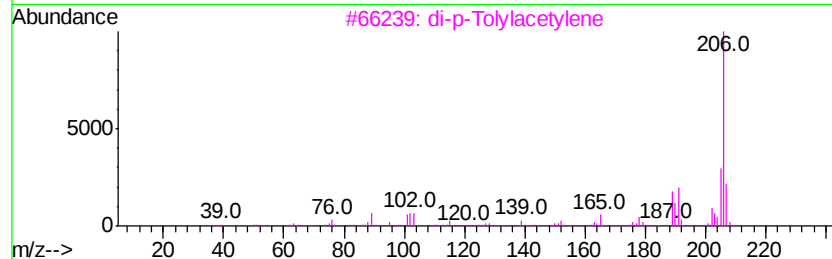
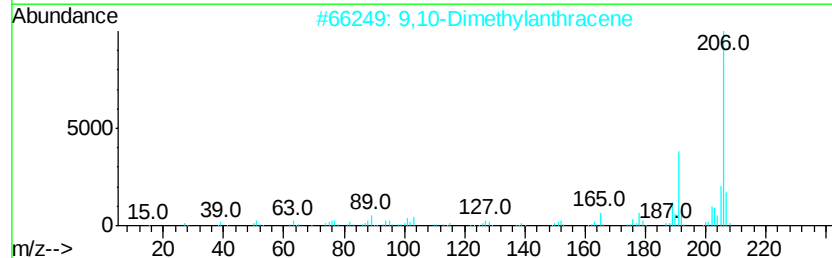
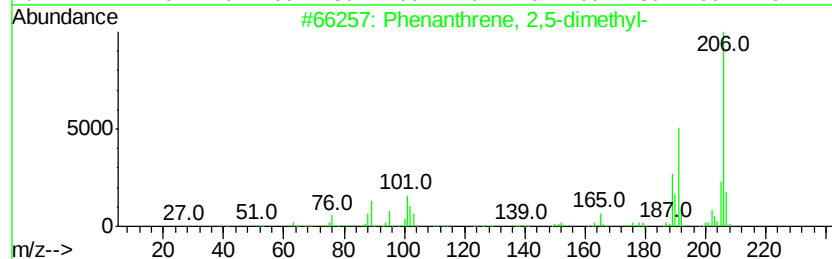
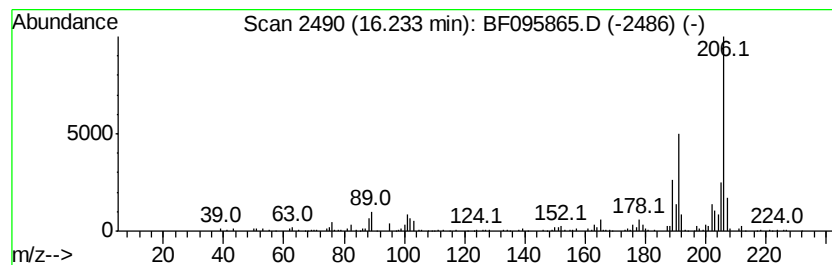
Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.23	14.06 ng	284005	Phenanthrene-d10	14.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3	di-p-Tolvlacetylvene	206	C16H14	002789-88-0	94
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

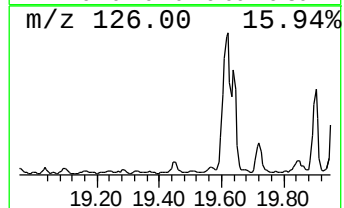
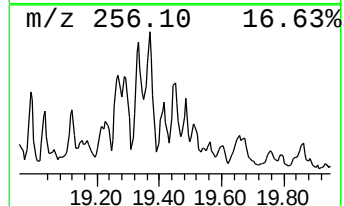
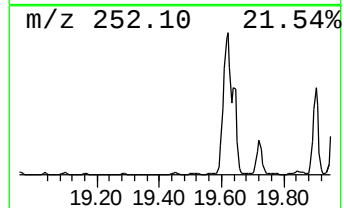
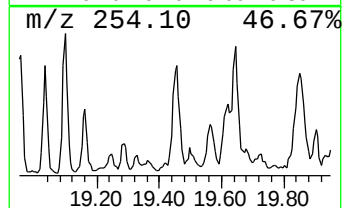
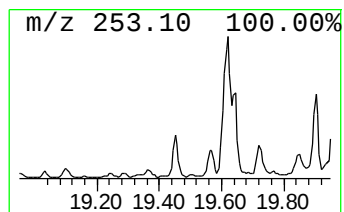
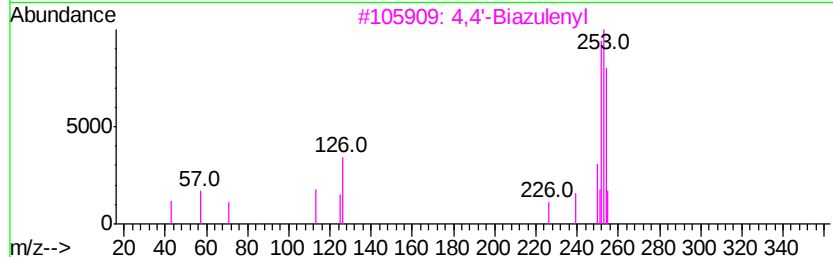
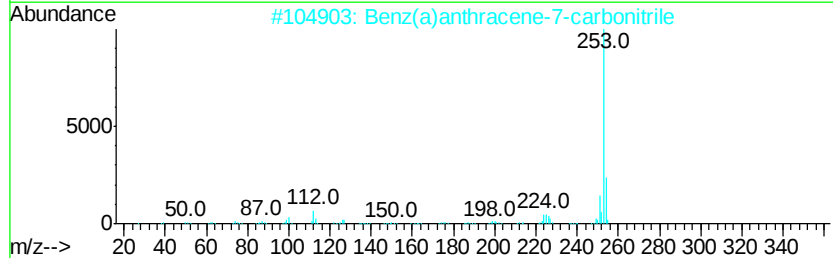
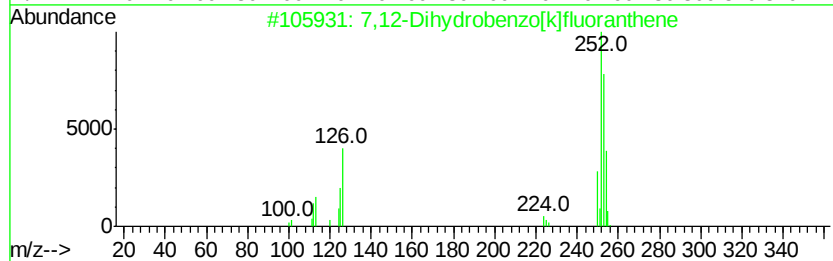
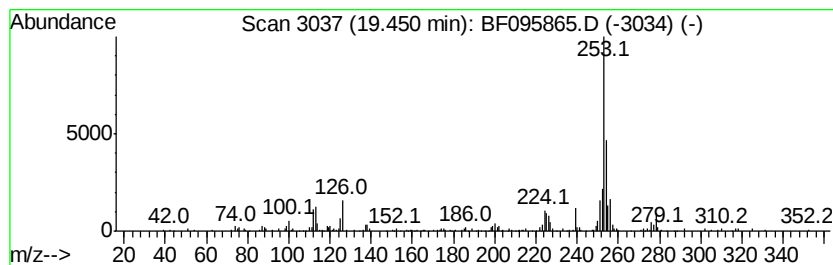
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	12.74 ng	143435	Perylene-d12	20.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50
3		4,4'-Biazulenvl	254	C20H14	094053-54-0	43
4		Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	40
5		1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

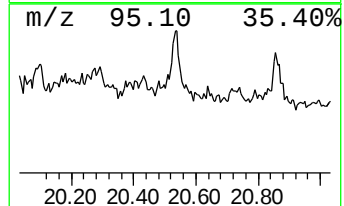
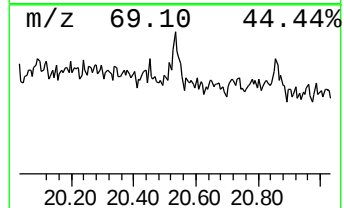
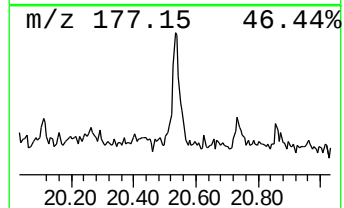
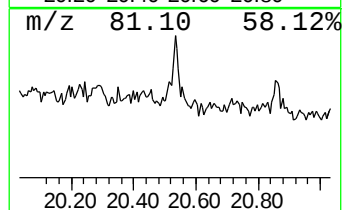
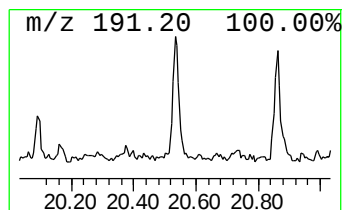
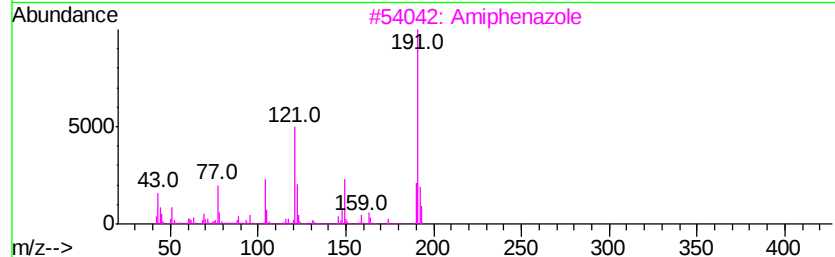
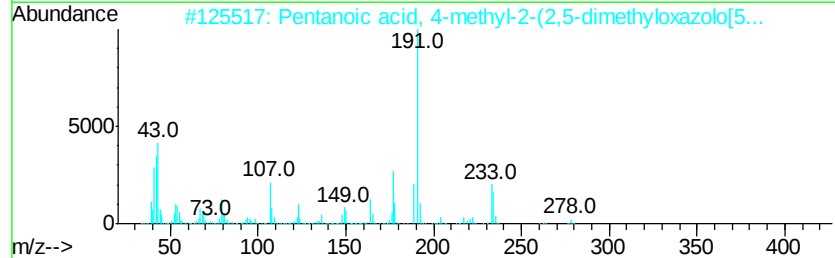
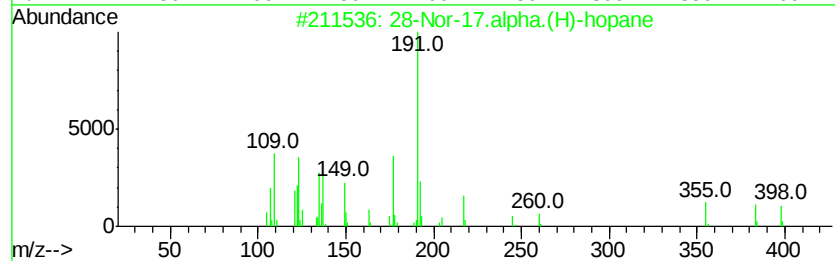
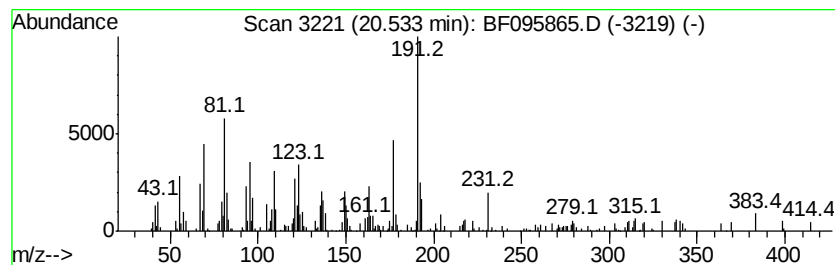
Instrument :
BNA_F
ClientSampled :
EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	14.34 ng	161481	Perylene-d12	20.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.alpha.(H)-hopane	398 C29H50	053584-60-4	59
2	Pentanoic acid, 4-methyl-2-(2,5-...	278 C13H18N4O3	1000294-63-5	35
3	Amiphenazole	191 C9H9N3S	000490-55-1	32
4	Hexaethylphosphoric triamide	263 C12H30N3OP	002622-07-3	27
5	5-(7a-Isopropenyl-4,5-dimethyl-o...	290 C20H34O	1000193-54-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095865.D
Acq On : 11 Jun 2017 00:29
Operator : SJ/MA
Sample : I3594-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-A

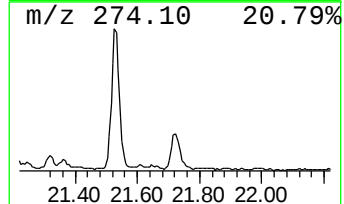
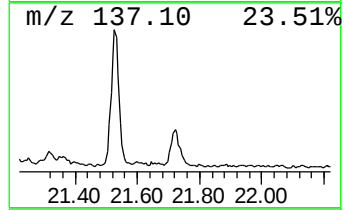
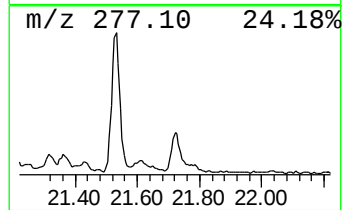
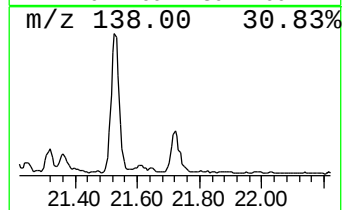
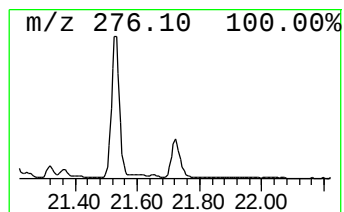
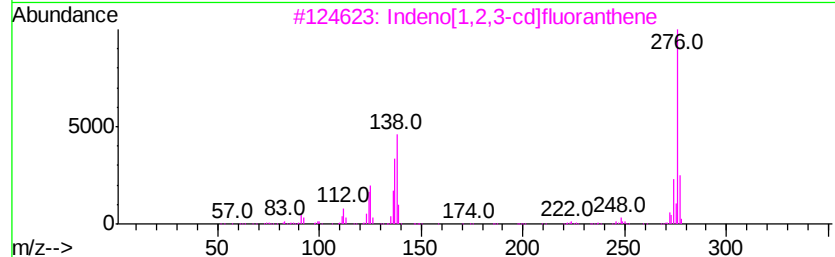
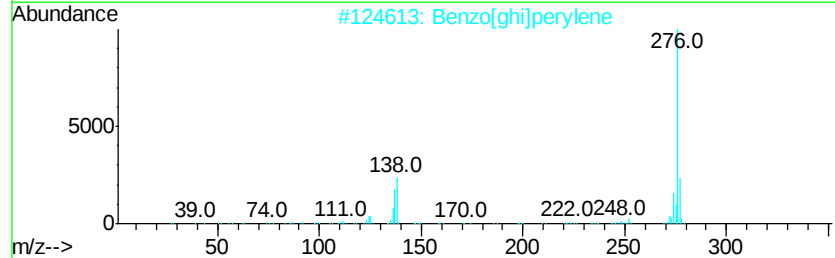
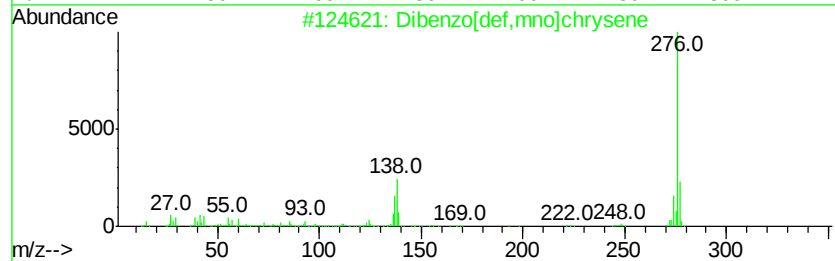
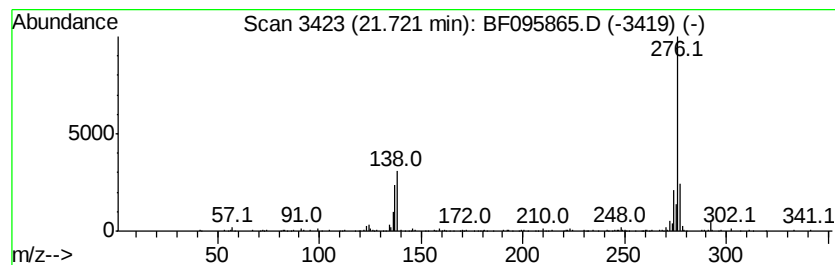
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	27.03 ng	304286	Perylene-d12	20.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
4		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	74
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061017\
 Data File : BF095865.D
 Acq On : 11 Jun 2017 00:29
 Operator : SJ/MA
 Sample : I3594-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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
unknown7.03	7.03	45.2	ng	753304	1	7.37	333520	20.0
Naphthalene, 1-me...	10.72	41.8	ng	1098880	2	9.40	526110	20.0
Naphthalene, 2,6-...	11.58	11.6	ng	323528	3	12.22	557204	20.0
Naphthalene, 1,4-...	11.70	24.0	ng	668973	3	12.22	557204	20.0
9H-Fluorene, 3-me...	14.02	12.8	ng	257787	4	14.62	403904	20.0
Dibenzothiophene	14.44	17.5	ng	353375	4	14.62	403904	20.0
Phenanthrene, 2-m...	15.42	32.4	ng	654468	4	14.62	403904	20.0
Anthracene, 9-met...	15.46	29.2	ng	588839	4	14.62	403904	20.0
4H-Cyclopenta[def...	15.57	51.8	ng	1045880	4	14.62	403904	20.0
Phenanthrene, 1-m...	15.62	24.5	ng	493959	4	14.62	403904	20.0
Naphthalene, 2-ph...	15.87	16.1	ng	324157	4	14.62	403904	20.0
Phenanthrene, 2,5...	16.23	14.1	ng	284005	4	14.62	403904	20.0
7,12-Dihydrobenzo...	19.45	12.7	ng	143435	6	20.02	225141	20.0
28-Nor-17.alpha.(...	20.53	14.3	ng	161481	6	20.02	225141	20.0
Dibenzo[def,mno]c...	21.72	27.0	ng	304286	6	20.02	225141	20.0