

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060320\
 Data File : BF120523.D
 Acq On : 3 Jun 2020 21:32
 Operator : JU/CG
 Sample : L2839-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-2020-0-6

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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	1.952	9	11	18	rBV	773342	845466	19.77%	1.468%
2	2.005	18	20	28	rVV	59172	83578	1.95%	0.145%
3	2.081	28	33	46	rVB	852796	1079223	25.24%	1.874%
4	5.457	602	607	610	rBV	2830701	2901147	67.84%	5.037%
5	6.475	775	780	783	rBV	2769185	2892054	67.63%	5.021%
6	6.834	837	841	844	rBV	1268893	985629	23.05%	1.711%
7	6.992	863	868	871	rBV	3362868	2897359	67.75%	5.030%
8	7.398	931	937	940	rBV	2457955	2278564	53.28%	3.956%
9	8.116	1054	1059	1061	rBV	1481315	1176298	27.51%	2.042%
10	8.134	1061	1062	1067	rVB	141081	112632	2.63%	0.196%
11	8.828	1177	1180	1183	rVB	94943	73736	1.72%	0.128%
12	8.928	1193	1197	1201	rVB	77093	58424	1.37%	0.101%
13	9.192	1237	1242	1245	rBV	4692171	4276406	100.00%	7.425%
14	9.528	1296	1299	1302	rBV	88325	82159	1.92%	0.143%
15	9.586	1305	1309	1313	rVB	725590	606629	14.19%	1.053%
16	9.733	1330	1334	1341	rBV	306909	271450	6.35%	0.471%
17	9.875	1349	1358	1360	rBV	1620495	1572168	36.76%	2.730%
18	9.904	1360	1363	1366	rVB	488752	366463	8.57%	0.636%
19	10.075	1387	1392	1396	rBV	238381	199436	4.66%	0.346%
20	10.416	1447	1450	1455	rVB	321436	260489	6.09%	0.452%
21	10.575	1475	1477	1480	rVB	71524	49407	1.16%	0.086%
22	10.663	1487	1492	1495	rBV	2057445	1922644	44.96%	3.338%
23	10.969	1536	1544	1546	rBV4	40421	68888	1.61%	0.120%
24	11.004	1546	1550	1555	rBV6	34310	68825	1.61%	0.119%
25	11.157	1574	1576	1580	rVB	138124	127420	2.98%	0.221%
26	11.216	1580	1586	1589	rBV3	60570	92166	2.16%	0.160%
27	11.251	1589	1592	1598	rVB	177413	160852	3.76%	0.279%
28	11.304	1598	1601	1605	rBV4	58325	61114	1.43%	0.106%
29	11.357	1605	1610	1612	rBV	1292526	1233586	28.85%	2.142%
30	11.386	1612	1615	1618	rVV	2531248	2195125	51.33%	3.811%
31	11.433	1620	1623	1626	rVV	641440	526967	12.32%	0.915%
32	11.463	1626	1628	1631	rVB	94459	83735	1.96%	0.145%
33	11.586	1643	1649	1652	rBV2	464272	469719	10.98%	0.816%
34	11.816	1684	1688	1690	rBV2	65526	66853	1.56%	0.116%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060320\
 Data File : BF120523.D
 Acq On : 3 Jun 2020 21:32
 Operator : JU/CG
 Sample : L2839-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-2020-0-6

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.857	1690	1695	1697	rVV	228764	233938	5.47%	0.406%
36	11.886	1697	1700	1705	rVV	505346	474978	11.11%	0.825%
37	11.933	1705	1708	1711	rVV	105385	94333	2.21%	0.164%
38	11.974	1711	1715	1717	rVV2	358106	400277	9.36%	0.695%
39	11.992	1717	1718	1721	rVB	143710	81743	1.91%	0.142%
40	12.157	1743	1746	1747	rBV	156726	136404	3.19%	0.237%
41	12.174	1747	1749	1753	rVB	288495	256226	5.99%	0.445%
42	12.410	1785	1789	1792	rBV2	131435	138354	3.24%	0.240%
43	12.445	1792	1795	1797	rVV2	71604	80012	1.87%	0.139%
44	12.492	1800	1803	1809	rVB2	192761	207947	4.86%	0.361%
45	12.551	1809	1813	1814	rBV	362293	307887	7.20%	0.535%
46	12.574	1814	1817	1820	rVV	2669345	2496123	58.37%	4.334%
47	12.633	1820	1827	1830	rVV2	72020	97429	2.28%	0.169%
48	12.663	1830	1832	1835	rVV	135054	120845	2.83%	0.210%
49	12.704	1835	1839	1840	rBV	56026	73058	1.71%	0.127%
50	12.722	1840	1842	1849	rVB2	96106	121492	2.84%	0.211%
51	12.804	1849	1856	1859	rBV	2284415	2483591	58.08%	4.312%
52	12.845	1861	1863	1868	rVB2	104789	115449	2.70%	0.200%
53	12.916	1871	1875	1876	rBV2	133125	119478	2.79%	0.207%
54	12.945	1876	1880	1887	rVB	2948433	2771433	64.81%	4.812%
55	13.021	1887	1893	1896	rBV2	149998	266163	6.22%	0.462%
56	13.051	1896	1898	1900	rVV	66615	53229	1.24%	0.092%
57	13.104	1902	1907	1909	rVV5	128705	201149	4.70%	0.349%
58	13.127	1909	1911	1914	rVB	353325	291021	6.81%	0.505%
59	13.163	1914	1917	1920	rBV3	72851	117815	2.76%	0.205%
60	13.192	1920	1922	1925	rVV	264090	238659	5.58%	0.414%
61	13.233	1925	1929	1931	rVV2	233586	272239	6.37%	0.473%
62	13.257	1931	1933	1936	rVV	104039	100091	2.34%	0.174%
63	13.286	1936	1938	1942	rVV3	60339	82842	1.94%	0.144%
64	13.321	1942	1944	1947	rVV	122498	118691	2.78%	0.206%
65	13.357	1947	1950	1953	rVV2	128770	149545	3.50%	0.260%
66	13.398	1953	1957	1959	rVV5	45581	71312	1.67%	0.124%
67	13.427	1959	1962	1967	rVB5	29153	51839	1.21%	0.090%
68	13.533	1972	1980	1982	rBV7	83517	205129	4.80%	0.356%
69	13.633	1994	1997	2002	rVB	243854	227744	5.33%	0.395%
70	13.745	2011	2016	2019	rBV2	232983	317207	7.42%	0.551%
71	13.774	2019	2021	2023	rVV	238462	201113	4.70%	0.349%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060320\
 Data File : BF120523.D
 Acq On : 3 Jun 2020 21:32
 Operator : JU/CG
 Sample : L2839-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-2020-0-6

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.798	2023	2025	2029	rVV2	200927	282414	6.60%	0.490%
73	13.845	2029	2033	2040	rVB3	452289	589136	13.78%	1.023%
74	13.992	2051	2058	2062	rBV2	1530456	2442606	57.12%	4.241%
75	14.027	2062	2064	2069	rVB	1269794	1041614	24.36%	1.808%
76	14.104	2074	2077	2079	rVV	221490	186516	4.36%	0.324%
77	14.139	2080	2083	2085	rVV	178288	172721	4.04%	0.300%
78	14.186	2089	2091	2093	rVV	114311	99444	2.33%	0.173%
79	14.221	2093	2097	2100	rVB2	138439	170263	3.98%	0.296%
80	14.386	2121	2125	2127	rVB	176509	188480	4.41%	0.327%
81	14.421	2128	2131	2134	rVB2	126698	125048	2.92%	0.217%
82	14.468	2135	2139	2144	rBV5	209565	359961	8.42%	0.625%
83	14.510	2144	2146	2148	rVV	131559	134986	3.16%	0.234%
84	14.527	2148	2149	2153	rVB3	118778	96021	2.25%	0.167%
85	14.686	2174	2176	2179	rBV2	53643	56938	1.33%	0.099%
86	14.768	2187	2190	2194	rBV2	147571	174575	4.08%	0.303%
87	14.915	2213	2215	2217	rVB2	65182	52400	1.23%	0.091%
88	15.039	2231	2236	2238	rBV	891390	1317087	30.80%	2.287%
89	15.110	2244	2248	2250	rBV	299707	314803	7.36%	0.547%
90	15.139	2250	2253	2264	rVB	284339	460369	10.77%	0.799%
91	15.333	2282	2286	2292	rVB	534781	701526	16.40%	1.218%
92	15.398	2292	2297	2302	rBV	752867	896670	20.97%	1.557%
93	15.457	2303	2307	2310	rBV	519935	695632	16.27%	1.208%
94	15.486	2310	2312	2319	rVB2	348347	398915	9.33%	0.693%
95	15.680	2343	2345	2350	rVB2	121400	148766	3.48%	0.258%
96	15.921	2381	2386	2392	rVB	458332	683844	15.99%	1.187%
97	15.986	2394	2397	2398	rBV3	64124	75452	1.76%	0.131%
98	16.909	2548	2554	2564	rVB2	417818	800414	18.72%	1.390%
99	17.080	2579	2583	2588	rBV2	216010	388941	9.10%	0.675%
100	17.345	2623	2628	2637	rVB	314218	618230	14.46%	1.073%

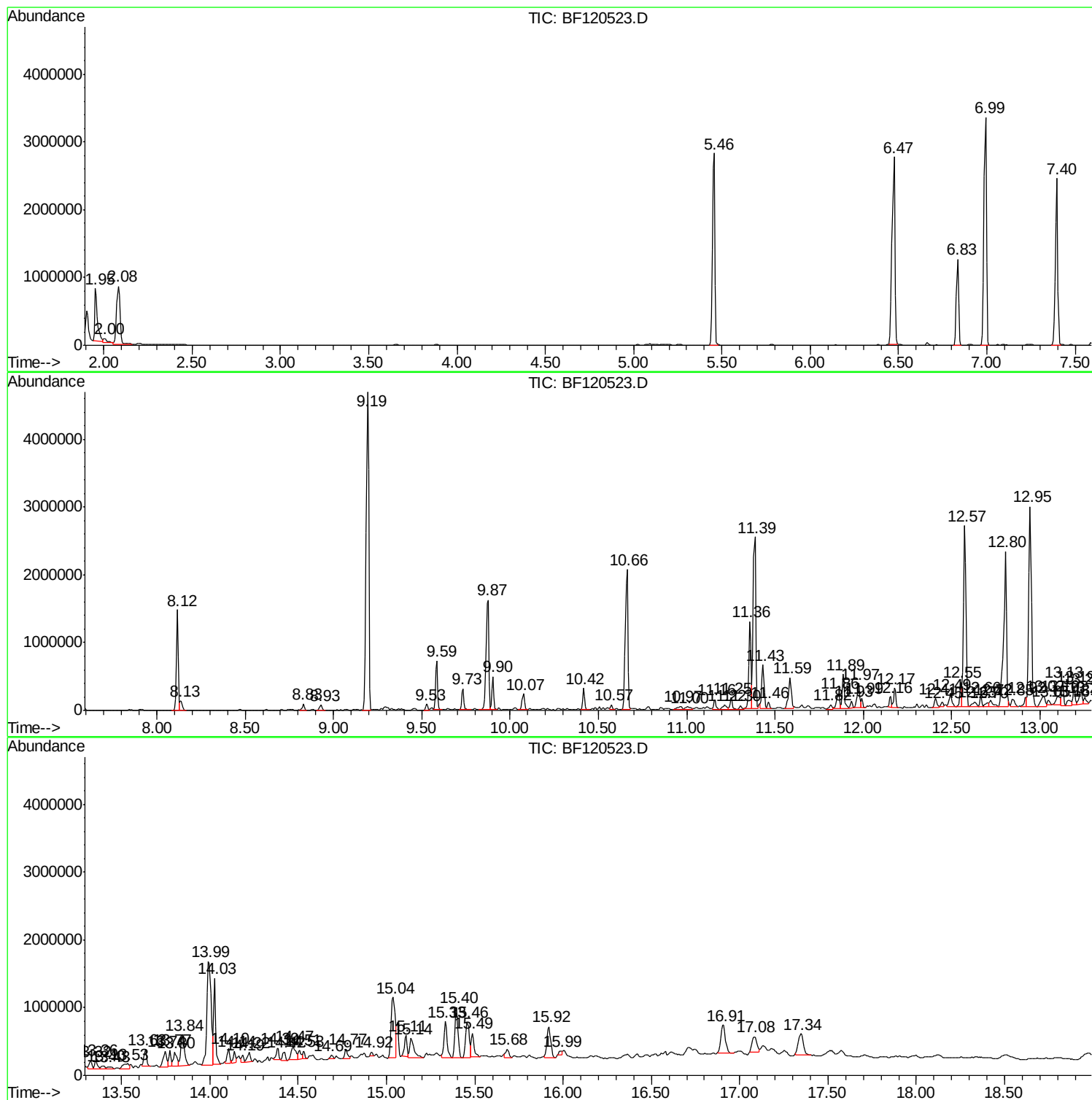
Sum of corrected areas: 57597168

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

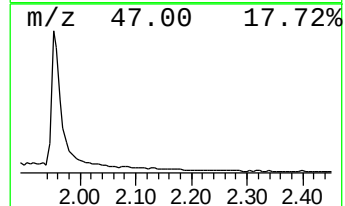
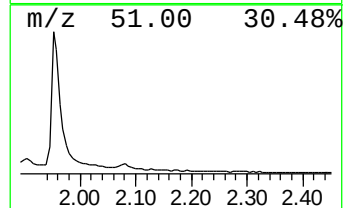
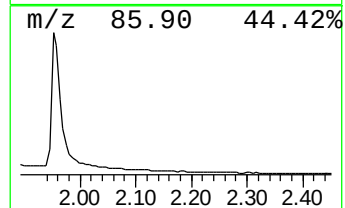
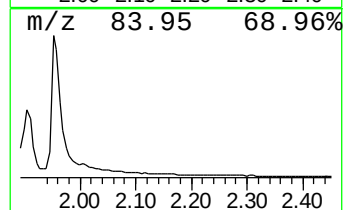
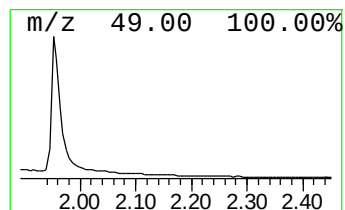
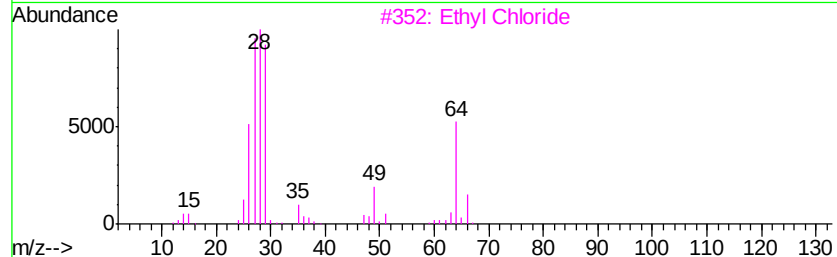
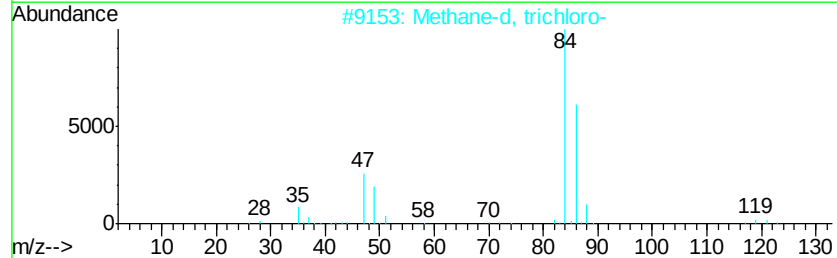
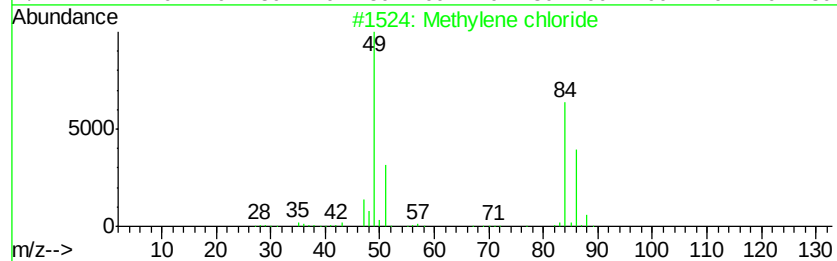
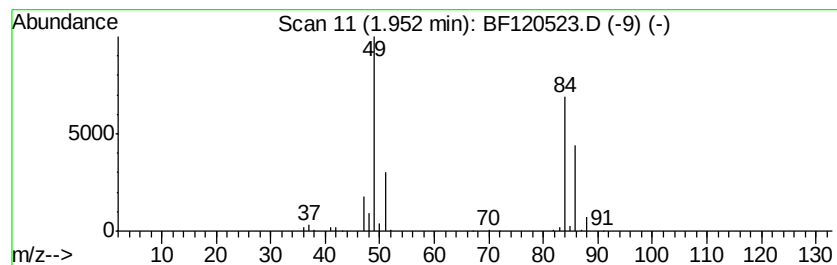
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Methylene chloride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	17.16 ng	845466	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methylene chloride	84	CH2Cl2	000075-09-2	95
2		Methane-d, trichloro-	119	CDCl3	000865-49-6	10
3		Ethyl Chloride	64	C2H5Cl	000075-00-3	4
4		Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	2
5		2-Chloroethanol	80	C2H5ClO	000107-07-3	1



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

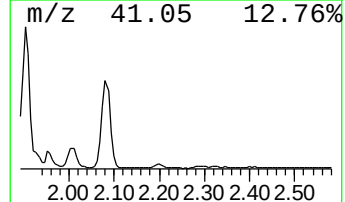
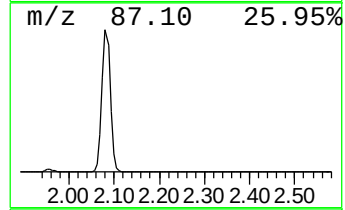
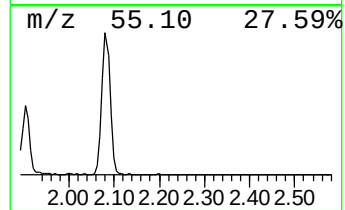
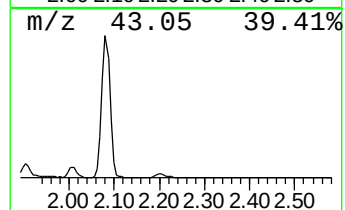
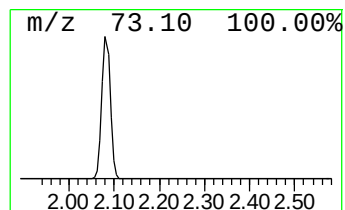
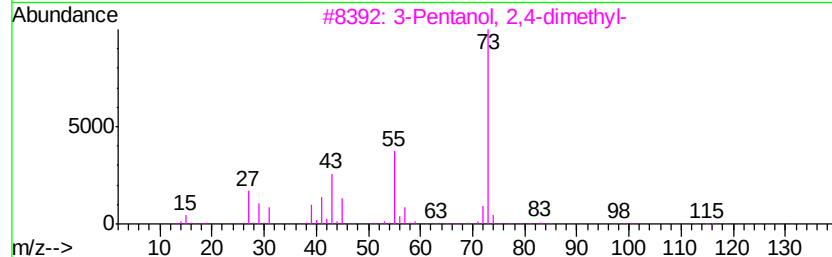
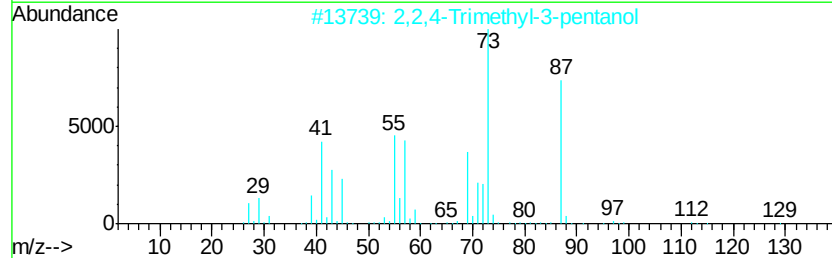
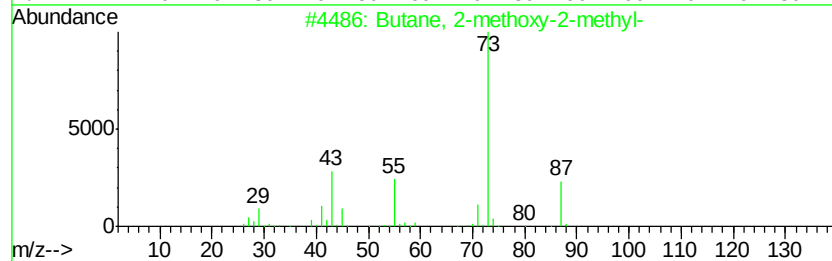
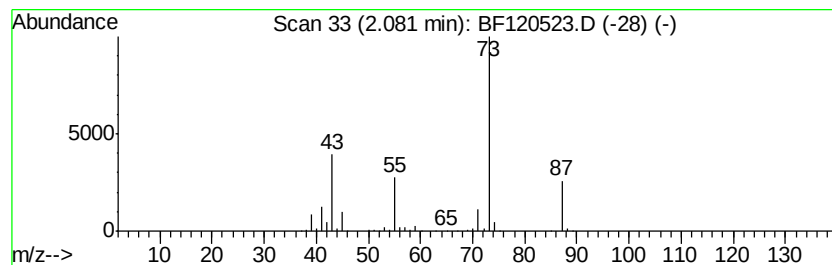
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.08	21.90 ng	1079220	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

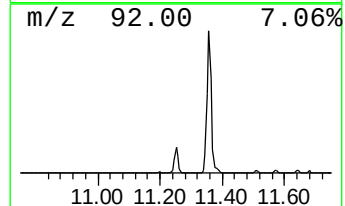
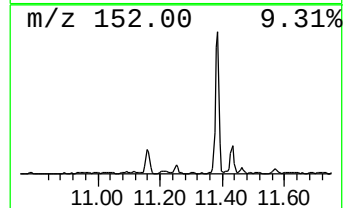
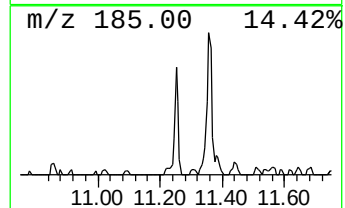
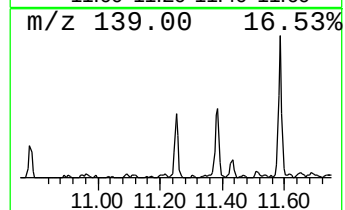
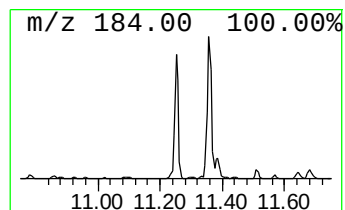
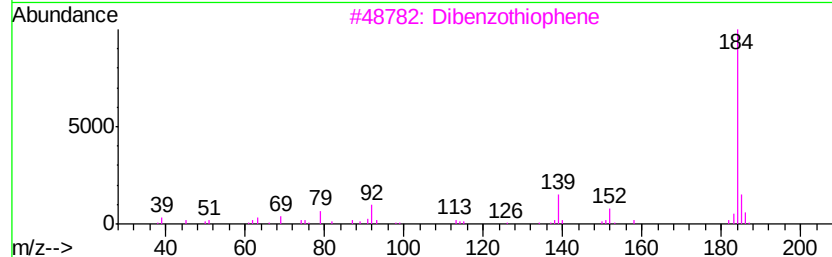
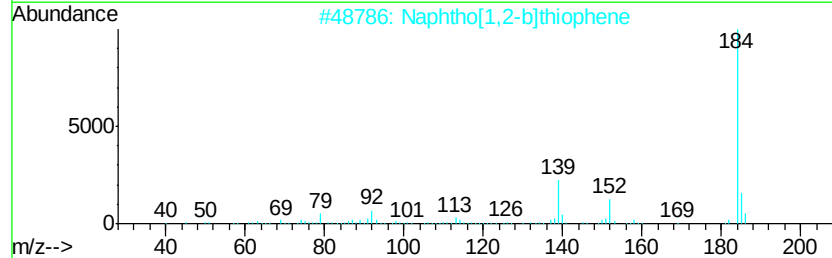
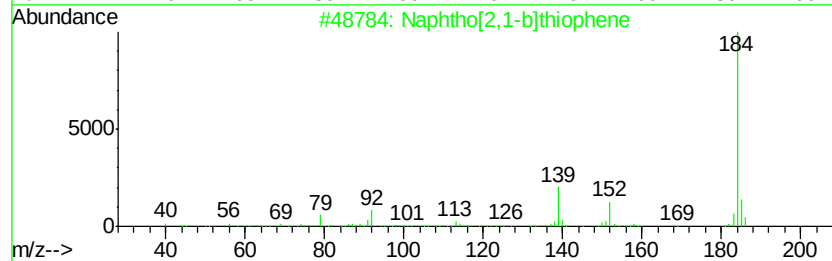
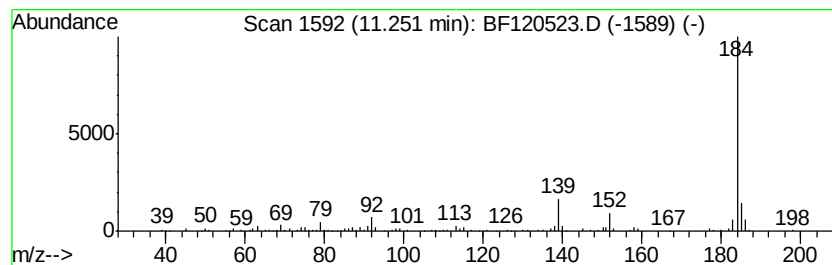
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.25	2.61 ng	160852	Phenanthrene-d10		11.36		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3			Dibenzothiophene	184	C12H8S	000132-65-0	95
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

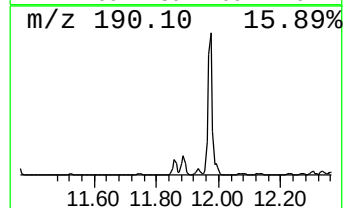
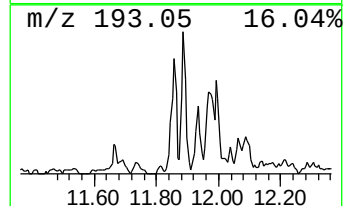
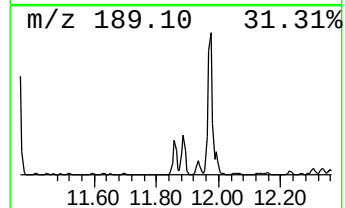
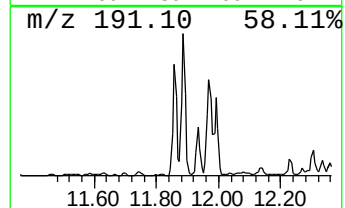
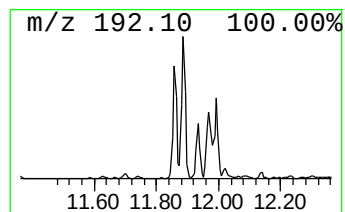
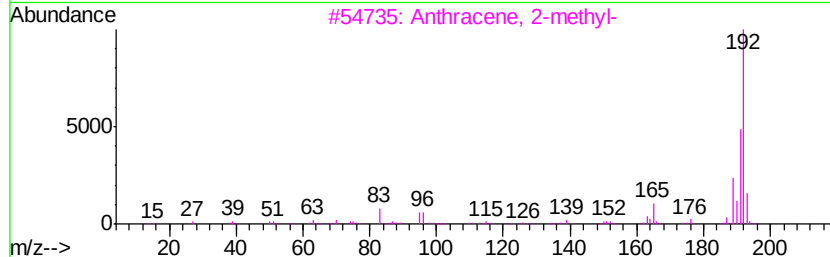
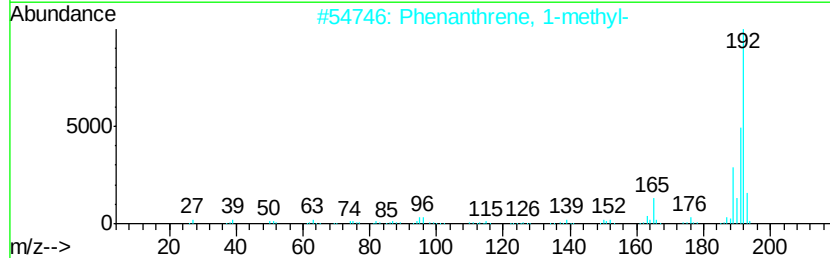
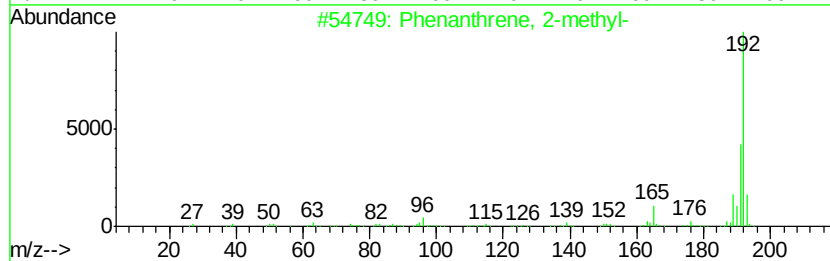
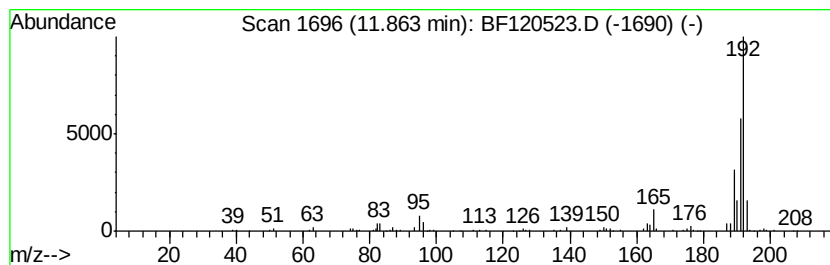
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.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 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	3.79 ng	233938	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

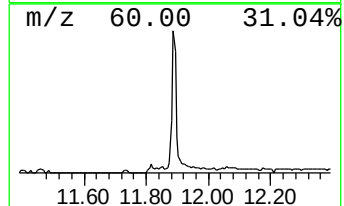
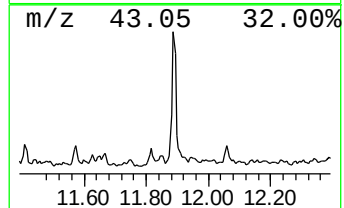
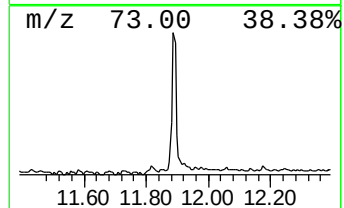
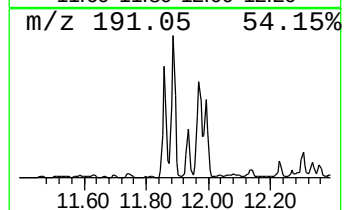
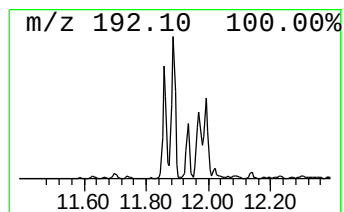
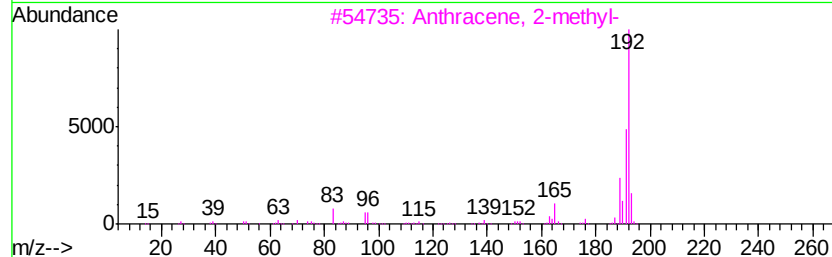
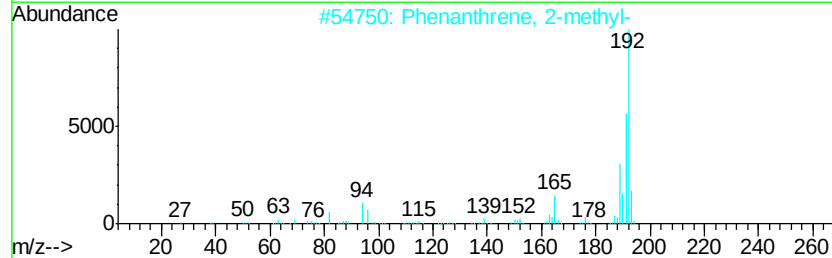
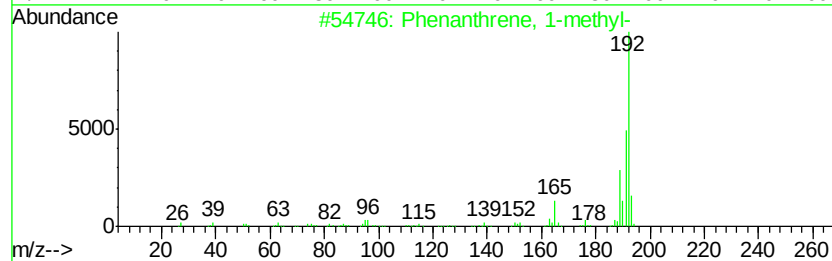
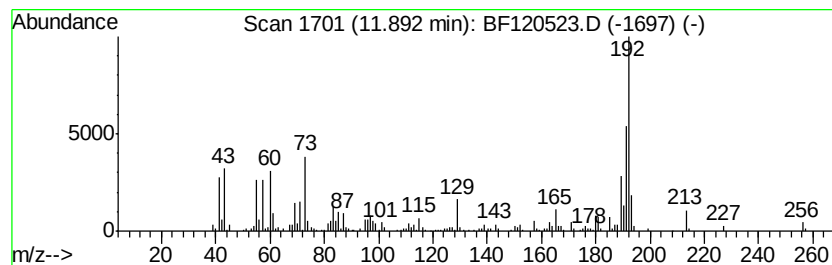
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	7.70 ng	474978	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

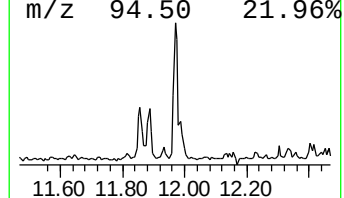
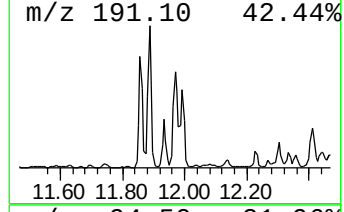
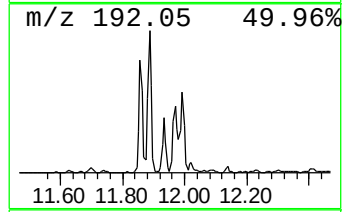
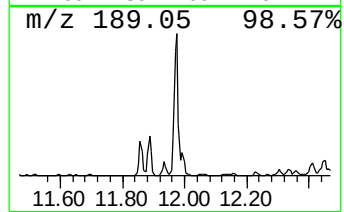
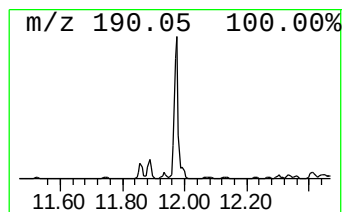
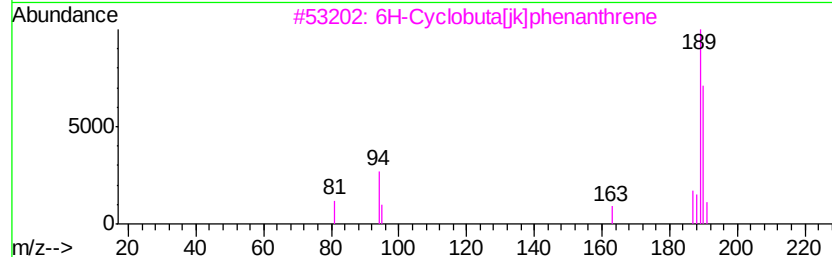
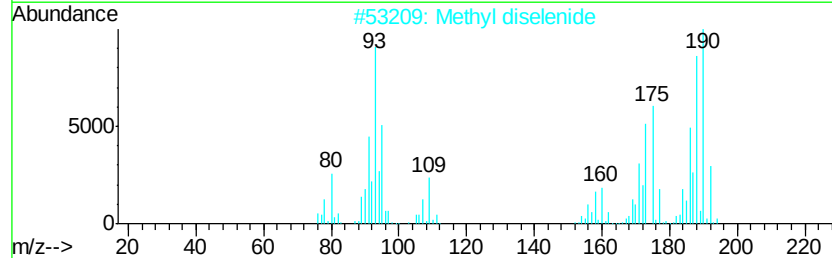
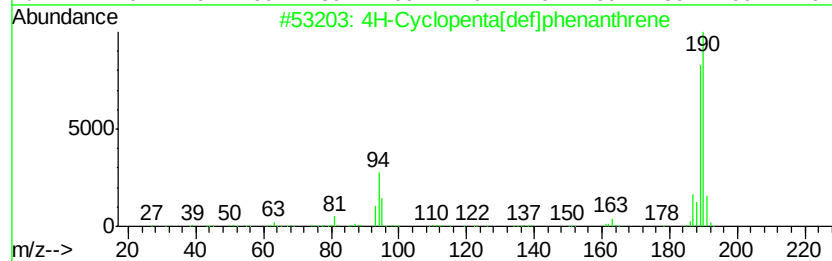
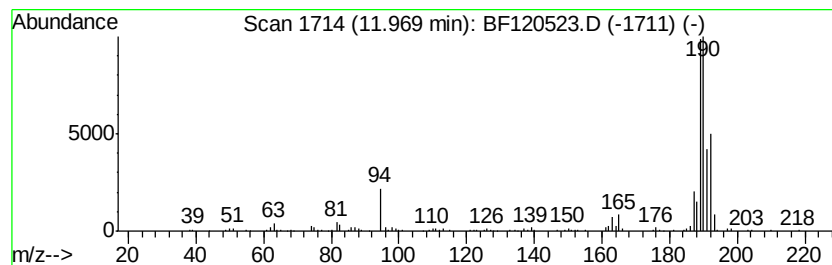
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	6.49 ng	400277	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

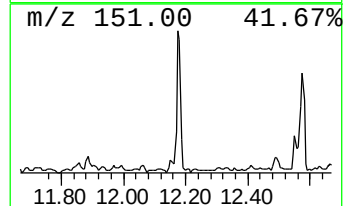
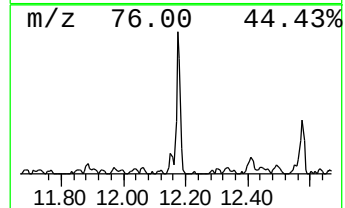
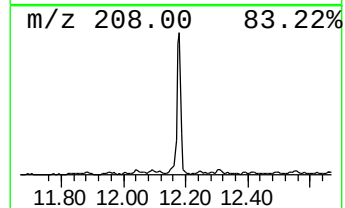
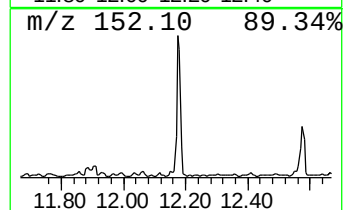
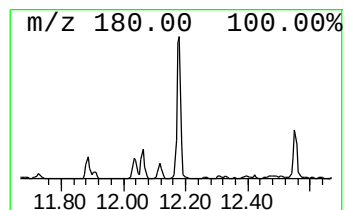
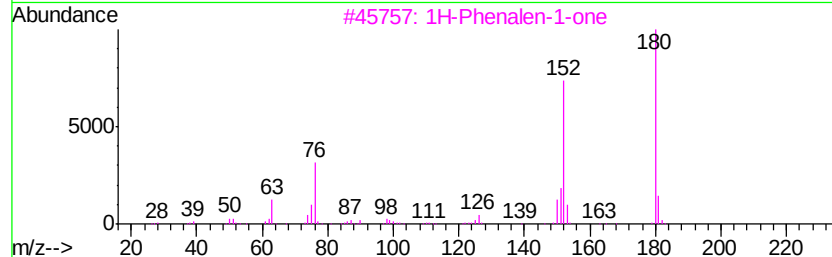
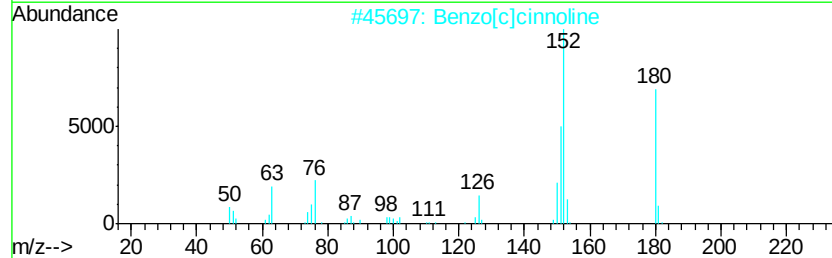
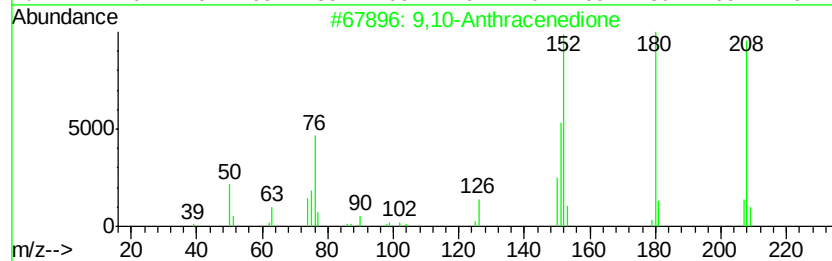
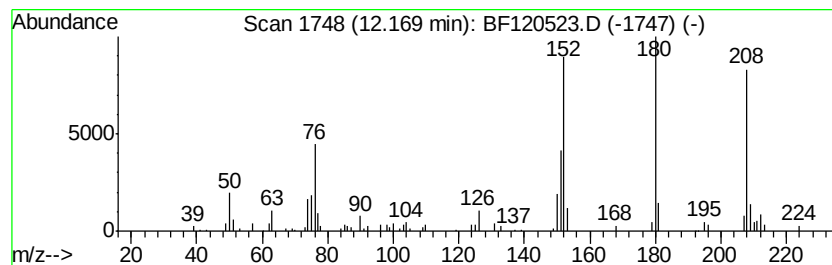
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	4.15 ng	256226	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	90
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

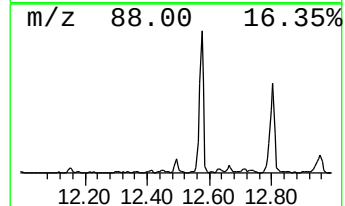
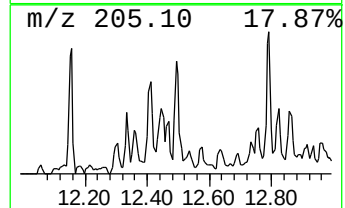
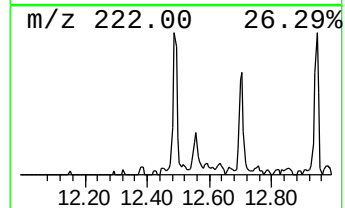
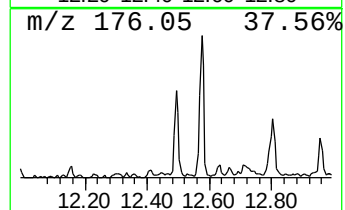
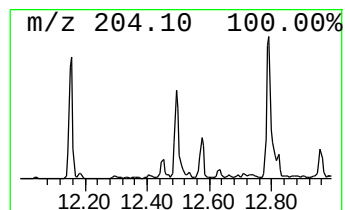
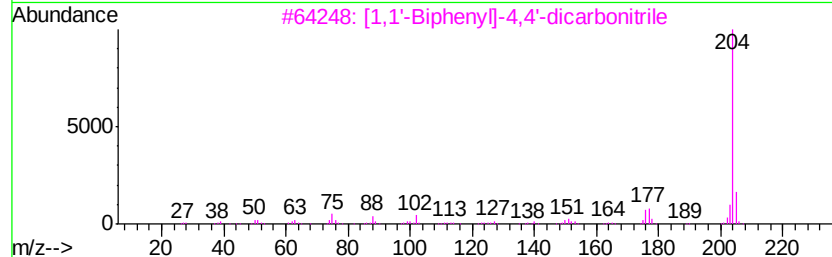
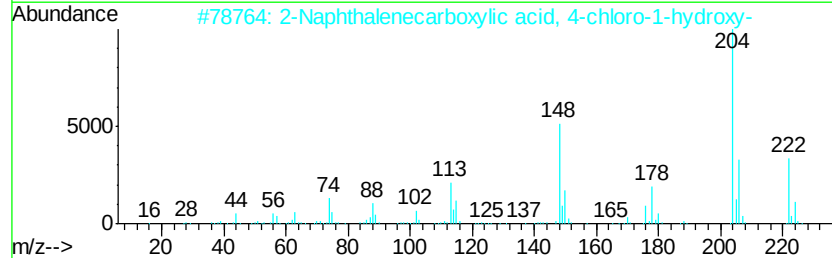
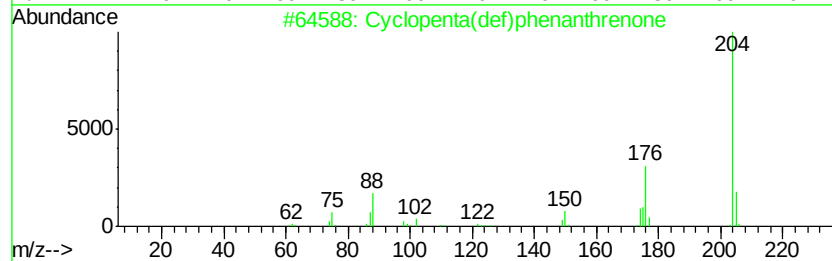
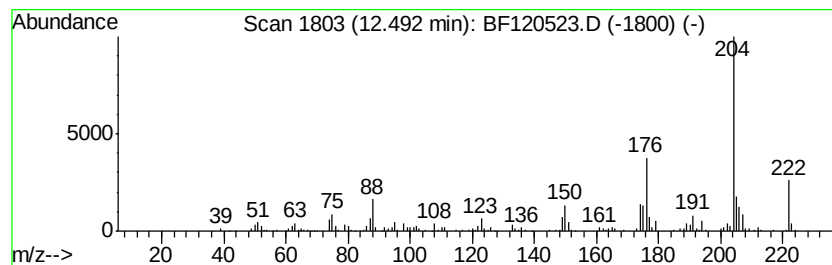
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.49	3.37 ng	207947	Phenanthrene-d10		11.36	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2		2-Naphthalenecarboxylic acid, 4-...	222	C11H7ClO3	005409-15-4	58
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
5		Thiazole-5-carboxylic acid, 4-am...	204	C6H8N2O2S2	060093-05-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

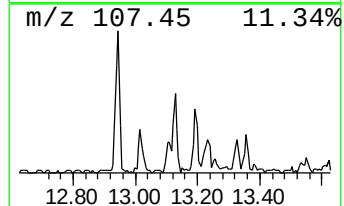
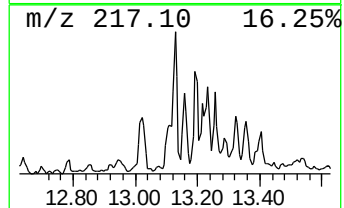
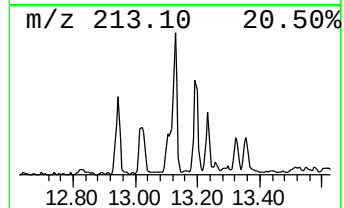
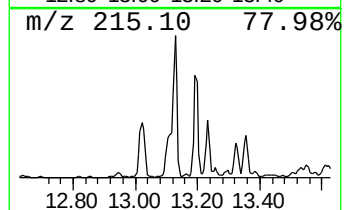
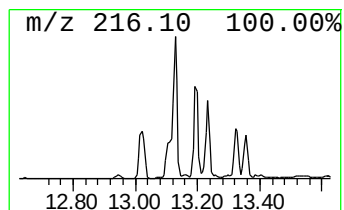
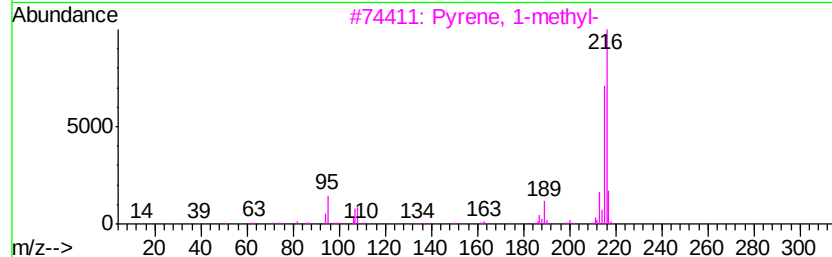
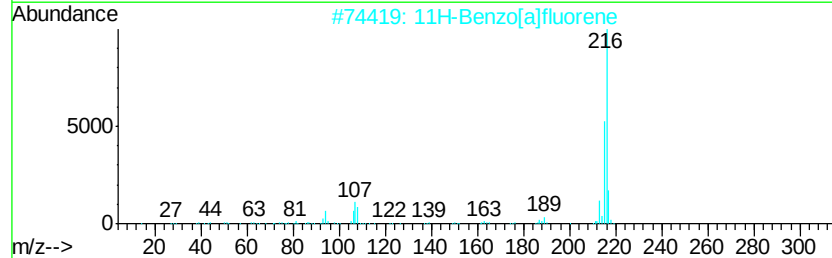
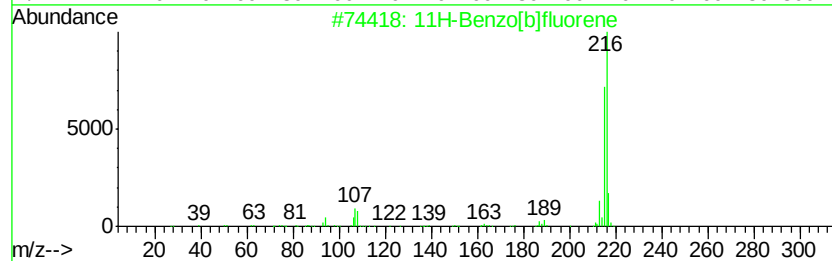
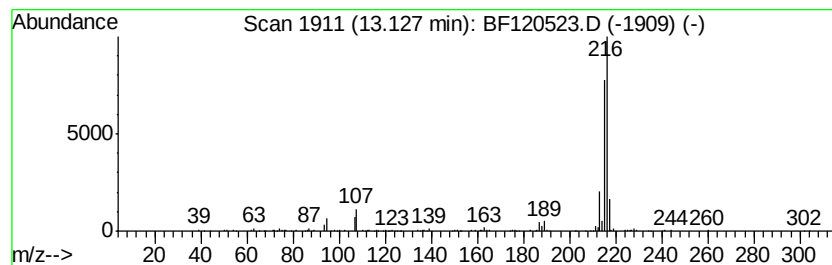
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.38 ng	291021	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

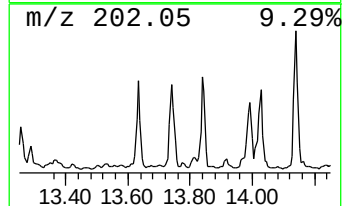
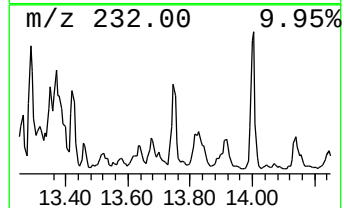
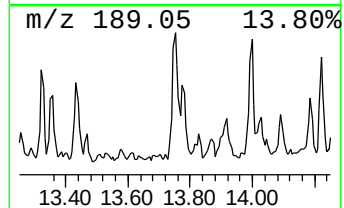
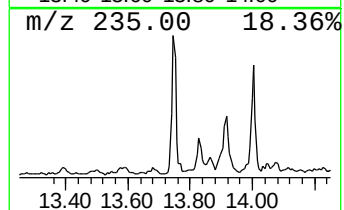
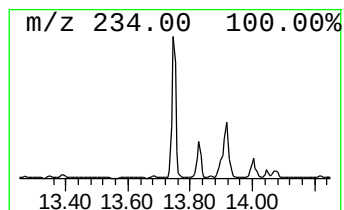
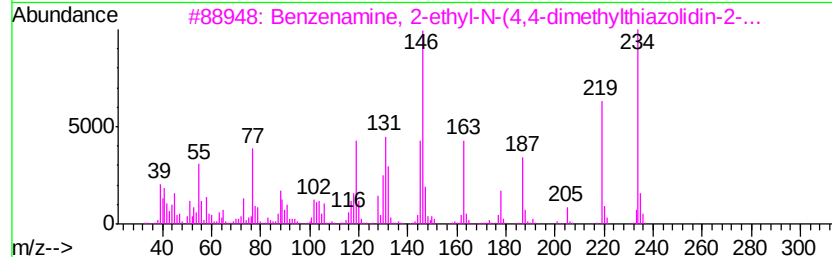
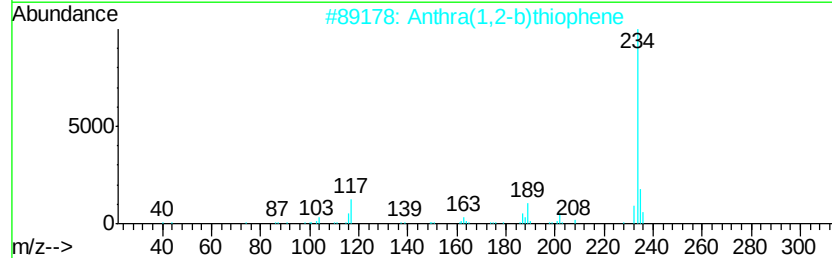
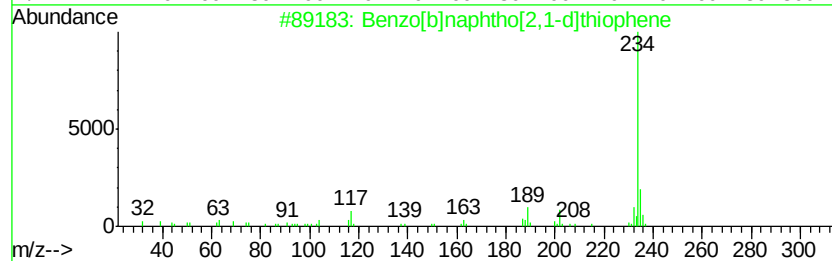
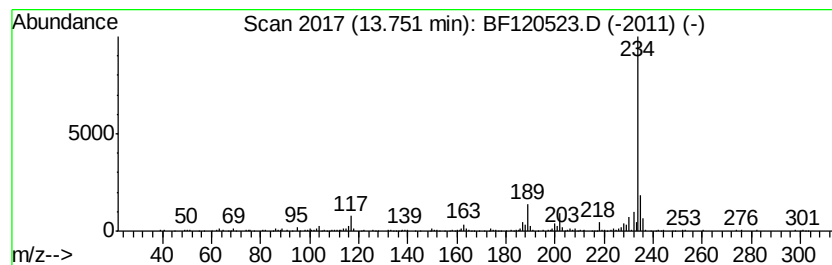
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.60 ng	317207	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
3			Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	90
4			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
5			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

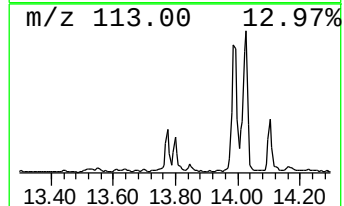
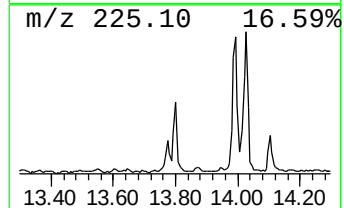
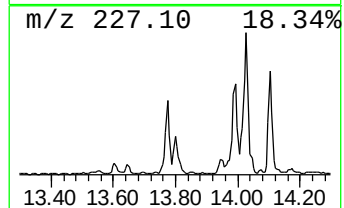
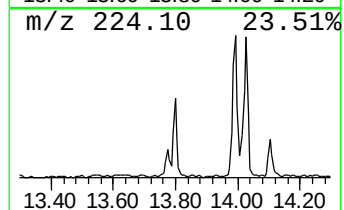
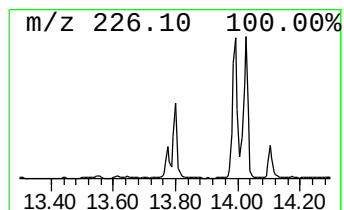
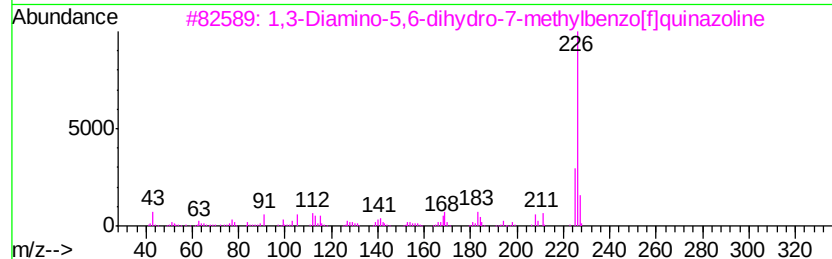
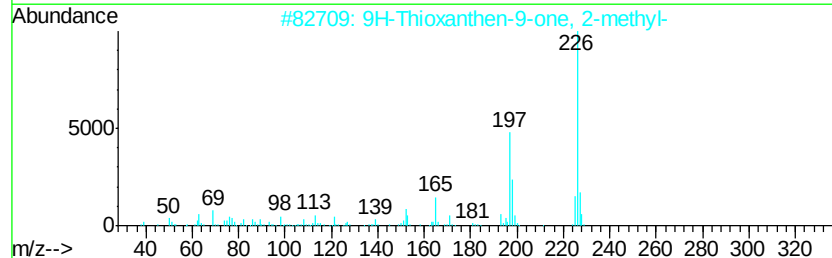
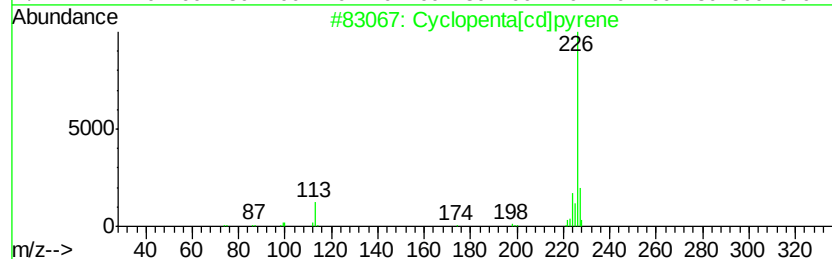
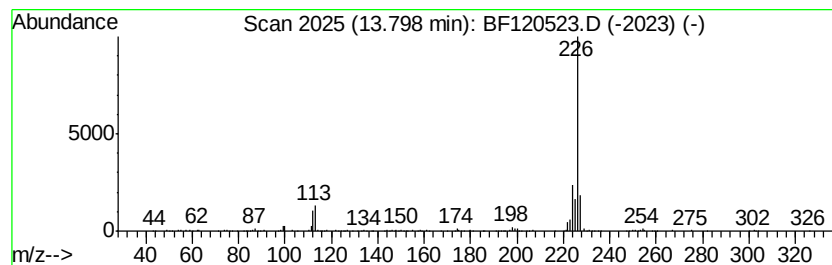
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.80	2.31 ng	282414	Chrysene-d12	14.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopenta[cd]pvrene	226	C18H10	027208-37-3	93
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	53
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
4	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	42
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

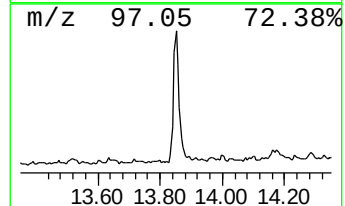
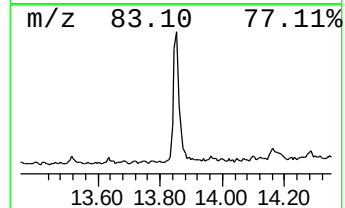
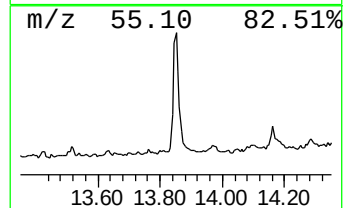
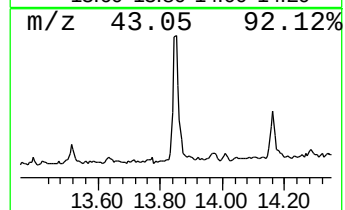
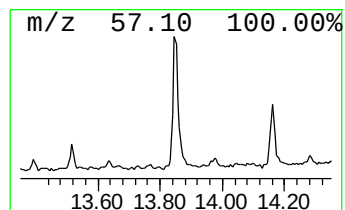
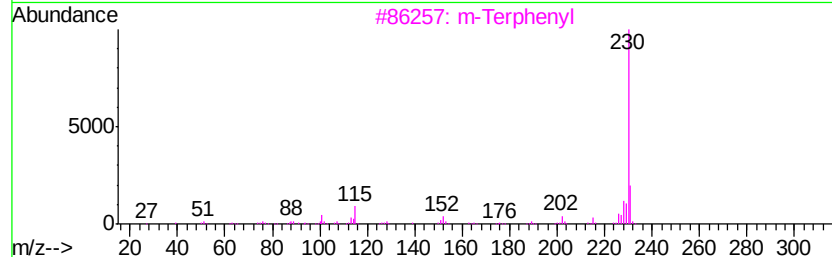
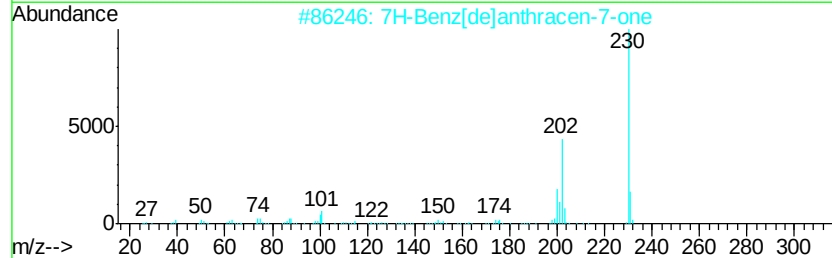
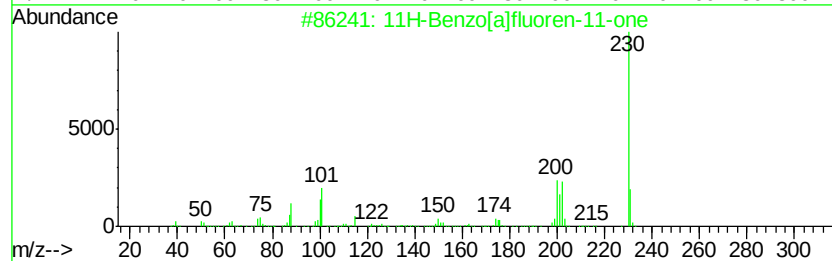
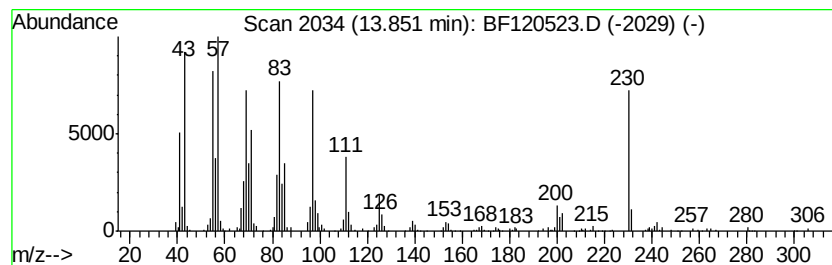
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.85	4.82 ng	589136	Chrysene-d12		14.00
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[alfluoren-11-one	230	C17H10O	000479-79-8	86
2	7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	78
3	m-Terphenyl	230	C18H14	000092-06-8	43
4	6H-Benz[delanthracen-6-one	230	C17H10O	080252-14-8	40
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

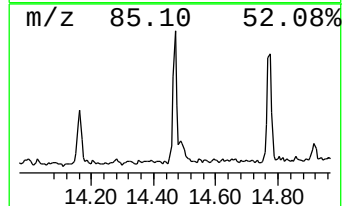
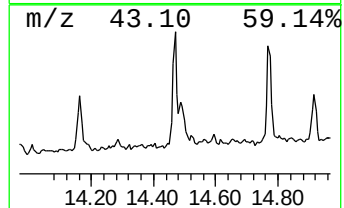
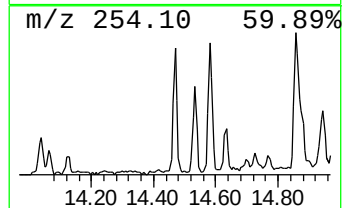
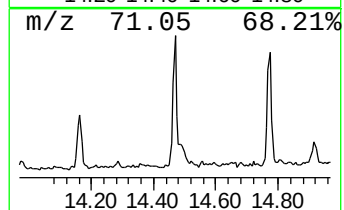
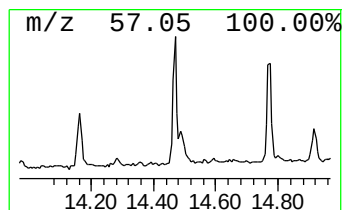
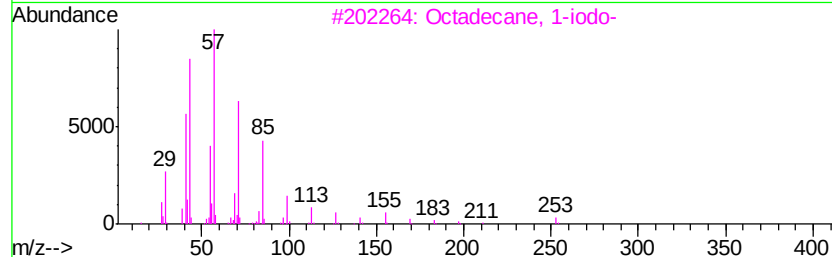
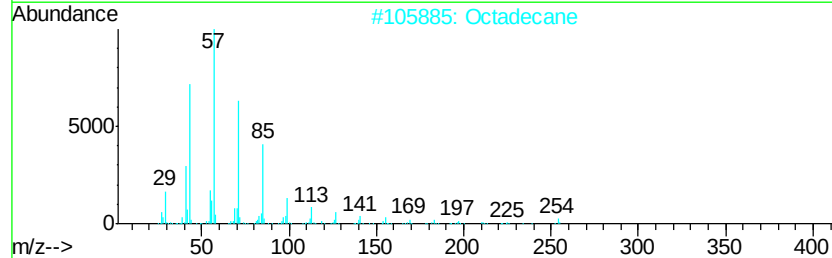
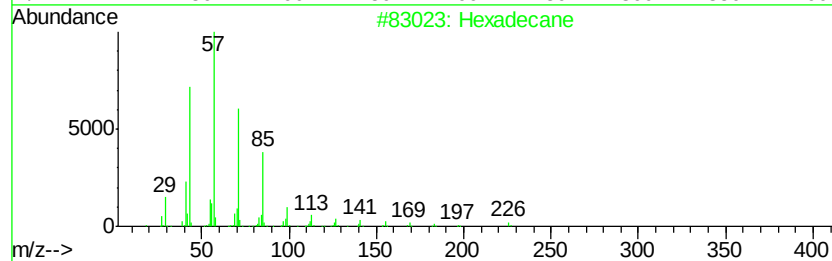
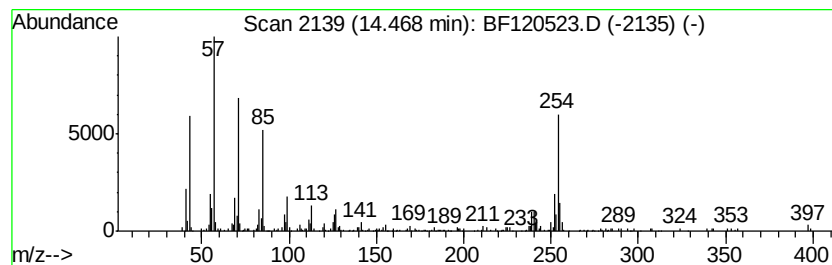
Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	2.95 ng	359961	Chrysene-d12	14.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	83
2	Octadecane	254 C18H38	000593-45-3	50
3	Octadecane, 1-iodo-	380 C18H37I	000629-93-6	45
4	Docosane	310 C22H46	000629-97-0	45
5	Hexacosane	366 C26H54	000630-01-3	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

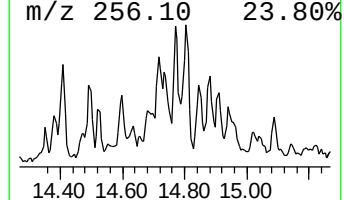
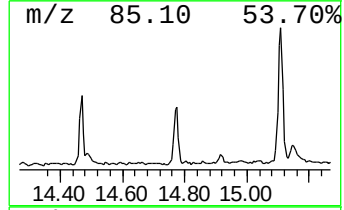
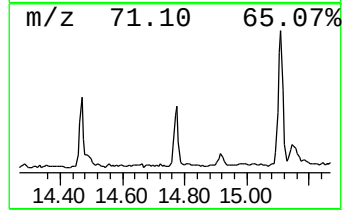
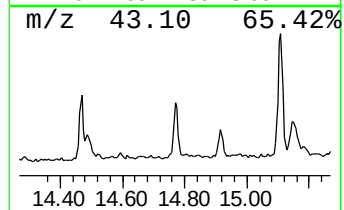
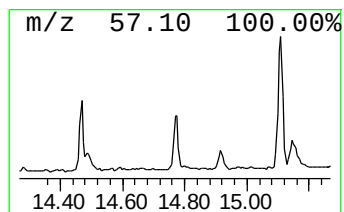
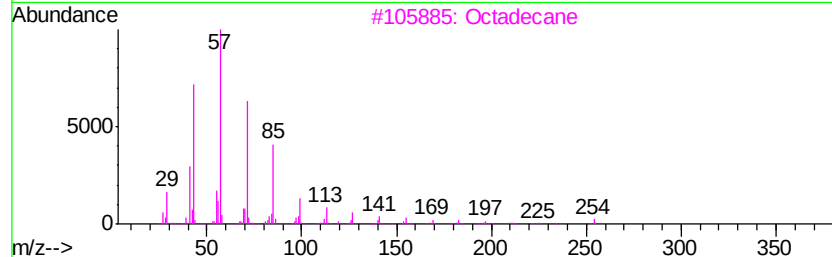
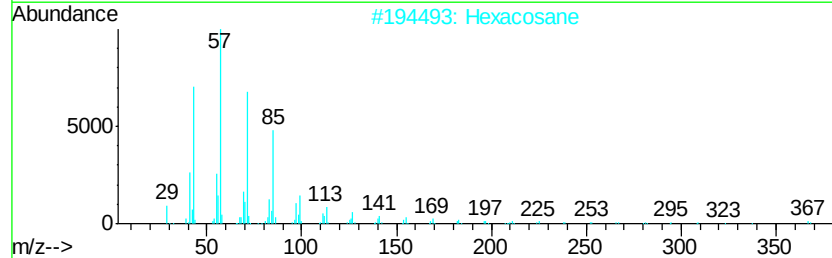
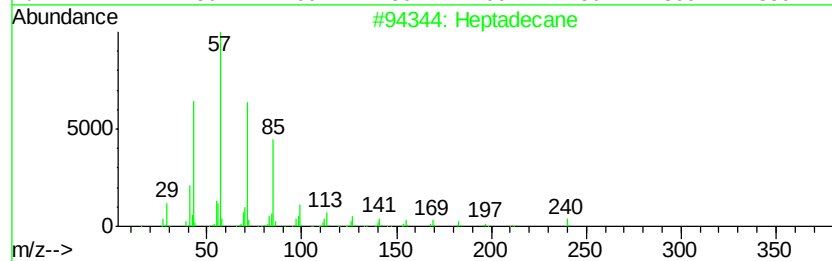
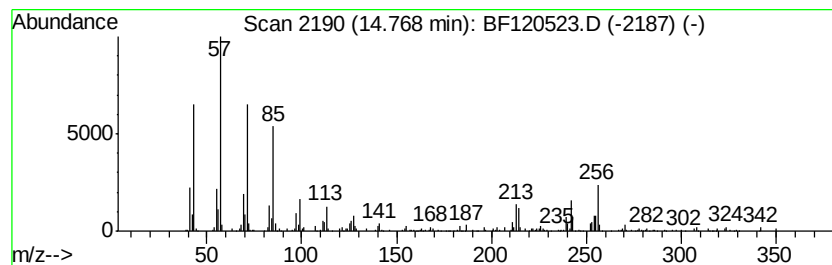
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	5.02 ng	174575	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	78
2		Hexacosane	366	C26H54	000630-01-3	55
3		Octadecane	254	C18H38	000593-45-3	53
4		Hexadecane	226	C16H34	000544-76-3	49
5		Tricosane	324	C23H48	000638-67-5	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

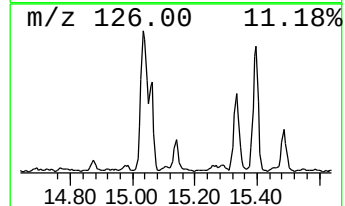
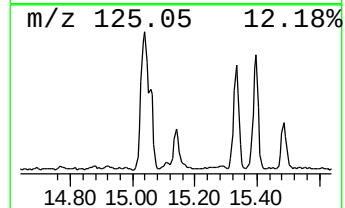
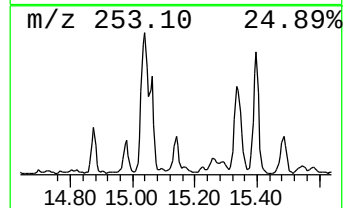
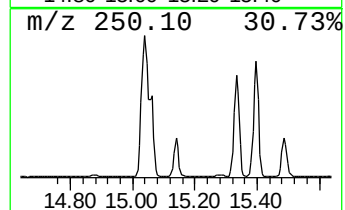
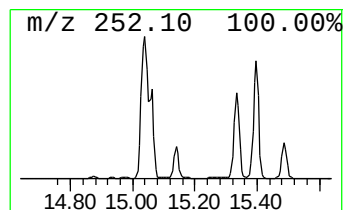
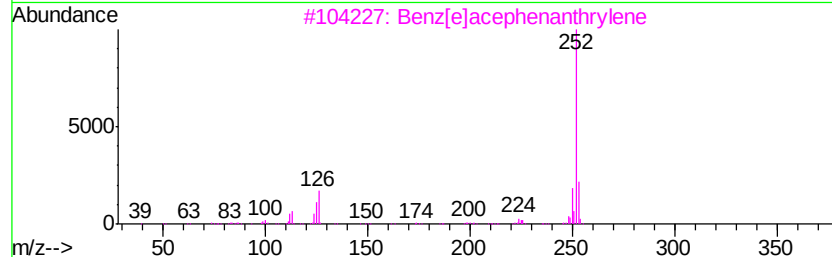
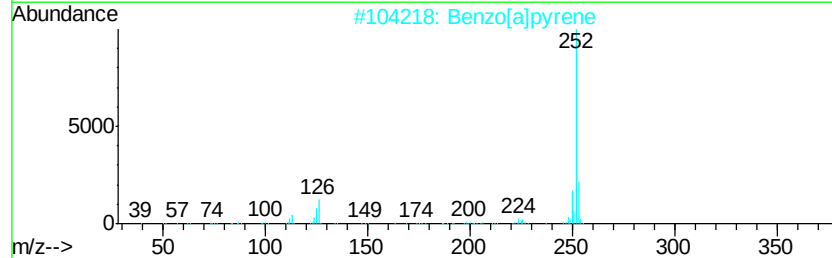
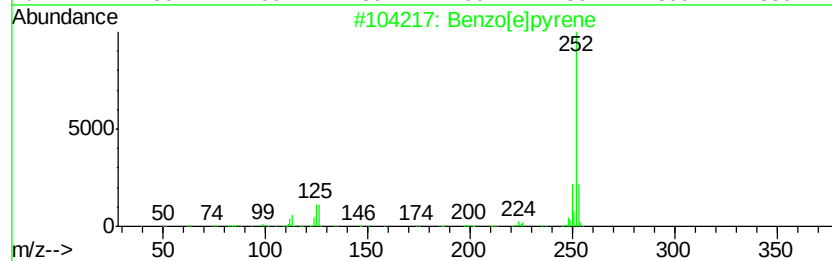
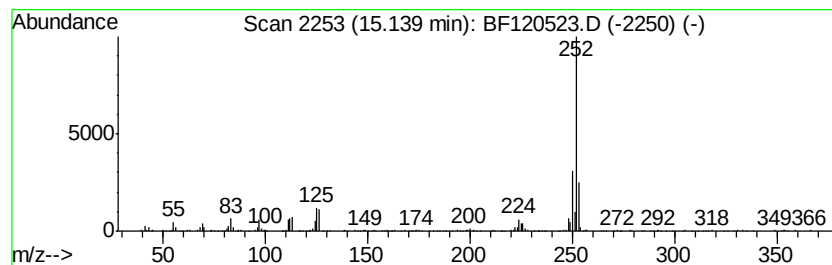
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	13.24 ng	460369	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

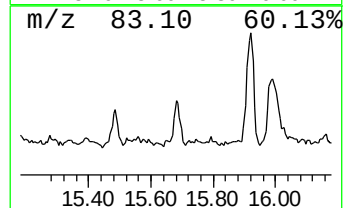
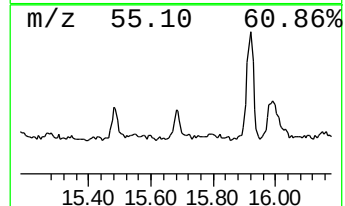
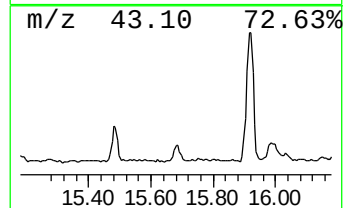
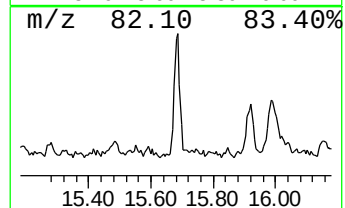
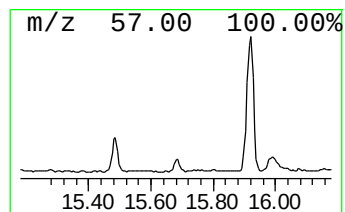
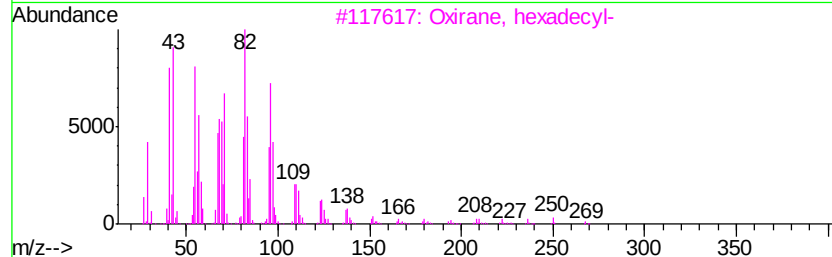
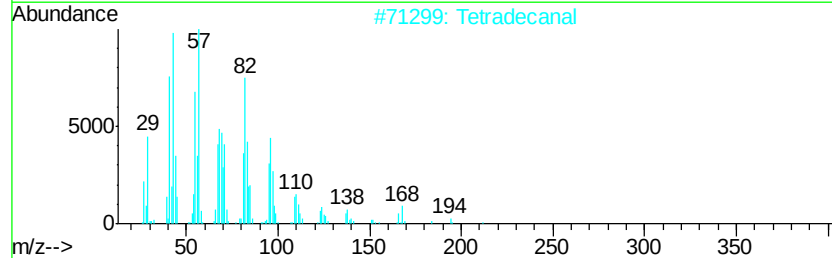
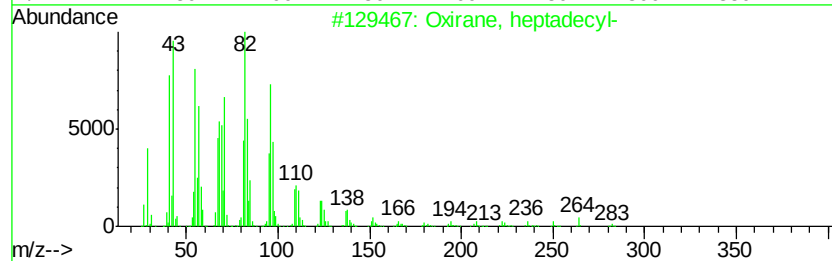
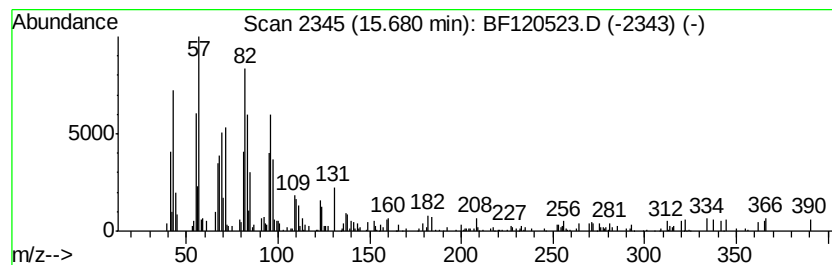
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Oxirane, heptadecyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.28 ng	148766	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	95
2		Tetradecanal	212	C14H28O	000124-25-4	90
3		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
4		(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	86
5		Octadecanal	268	C18H36O	000638-66-4	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

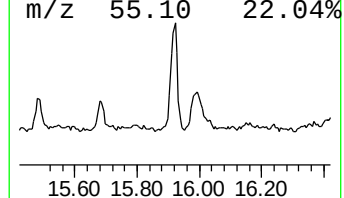
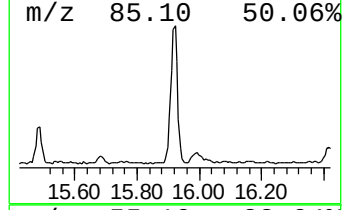
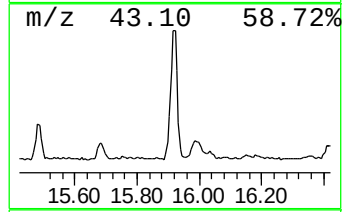
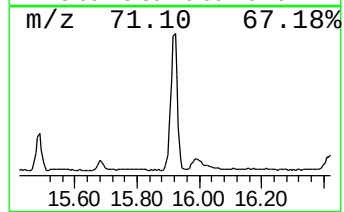
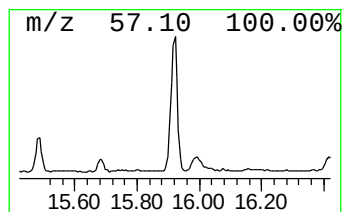
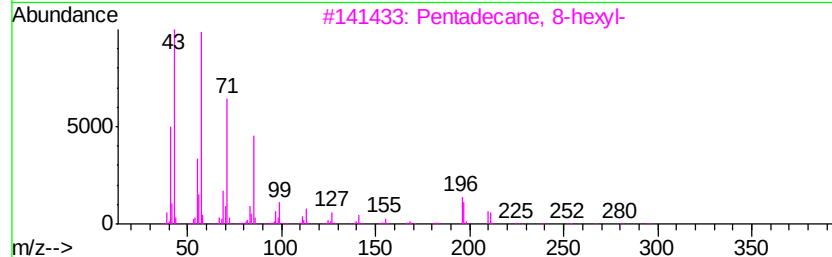
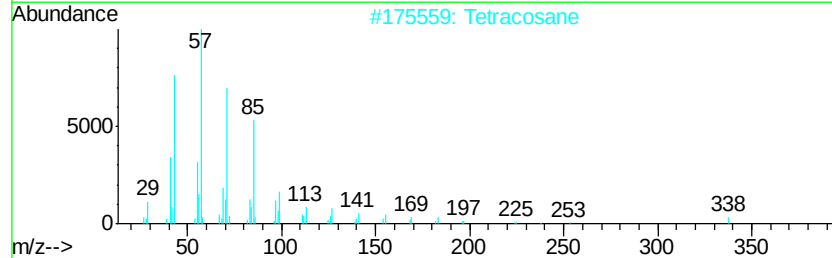
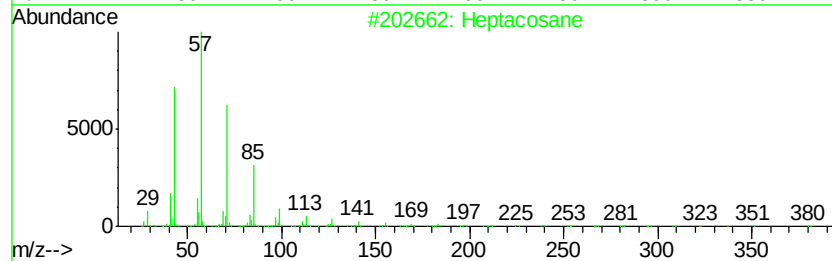
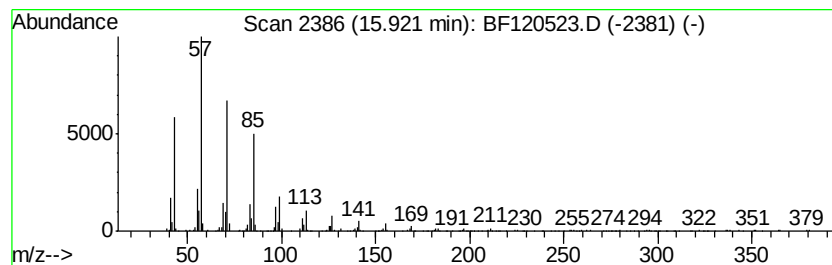
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	19.66 ng	683844	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	95
2		Tetracosane	338	C24H50	000646-31-1	95
3		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

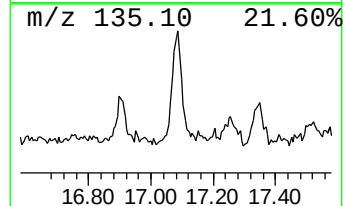
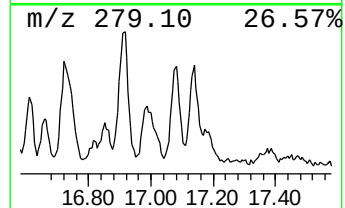
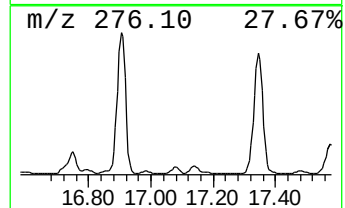
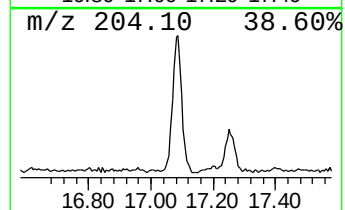
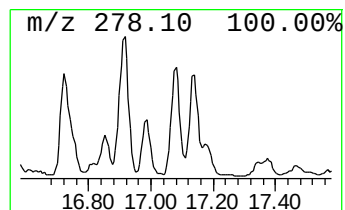
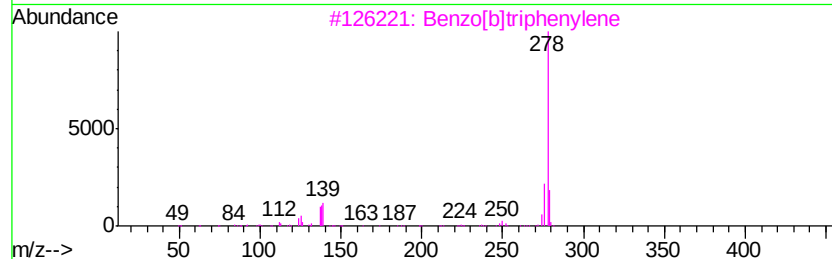
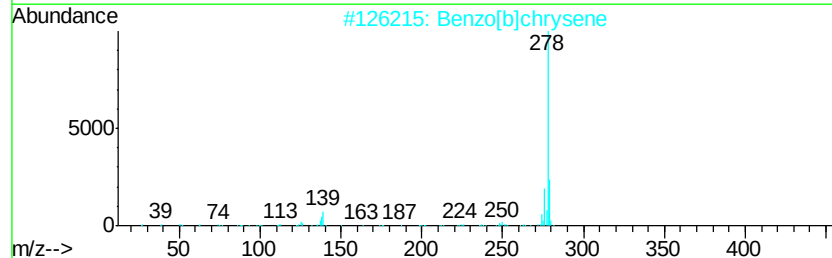
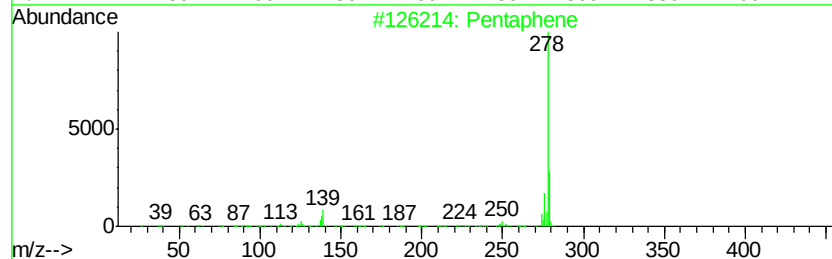
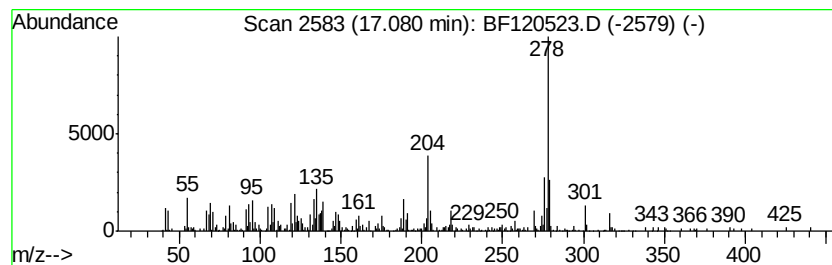
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentaphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	11.18 ng	388941	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	95
2		Benzo[b]chrysene	278	C22H14	000214-17-5	95
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
5		Picene	278	C22H14	000213-46-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060320\
 Data File : BF120523.D
 Acq On : 3 Jun 2020 21:32
 Operator : JU/CG
 Sample : L2839-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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
Methylene chloride	1.95	17.2 ng		845466	1	6.83	985629	20.0
Butane, 2-methoxy...	2.08	21.9 ng		1079220	1	6.83	985629	20.0
Naphtho[2,1-b]thi...	11.25	2.6 ng		160852	4	11.36	1233590	20.0
Phenanthrene, 2-m...	11.86	3.8 ng		233938	4	11.36	1233590	20.0
Phenanthrene, 1-m...	11.89	7.7 ng		474978	4	11.36	1233590	20.0
4H-Cyclopenta[def...	11.97	6.5 ng		400277	4	11.36	1233590	20.0
9,10-Anthracenedione	12.17	4.2 ng		256226	4	11.36	1233590	20.0
Cyclopenta(def)ph...	12.49	3.4 ng		207947	4	11.36	1233590	20.0
11H-Benzo[b]fluorene	13.13	2.4 ng		291021	5	14.00	2442610	20.0
Benzo[b]naphtho[2...	13.75	2.6 ng		317207	5	14.00	2442610	20.0
Cyclopenta[cd]pyrene	13.80	2.3 ng		282414	5	14.00	2442610	20.0
11H-Benzo[a]fluor...	13.85	4.8 ng		589136	5	14.00	2442610	20.0
Hexadecane	14.47	3.0 ng		359961	5	14.00	2442610	20.0
Heptadecane	14.77	5.0 ng		174575	6	15.46	695632	20.0
Benzo[e]pyrene	15.14	13.2 ng		460369	6	15.46	695632	20.0
Oxirane, heptadecyl-	15.68	4.3 ng		148766	6	15.46	695632	20.0
Heptacosane	15.92	19.7 ng		683844	6	15.46	695632	20.0
Pentaphene	17.08	11.2 ng		388941	6	15.46	695632	20.0