

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134256.D
 Acq On : 12 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03555-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 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-BF062623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134256.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	19	rVB	718553	767580	40.13%	2.498%
2	5.075	502	508	513	rBV2	38097	60389	3.16%	0.196%
3	5.475	572	576	590	rVB	1426262	1262801	66.03%	4.109%
4	6.093	675	681	688	rBV5	28097	59129	3.09%	0.192%
5	6.481	743	747	762	rVB	1455616	1310746	68.53%	4.265%
6	6.669	775	779	782	rBV2	60310	68054	3.56%	0.221%
7	6.845	805	809	815	rVB	644309	574640	30.05%	1.870%
8	7.404	901	904	907	rBV	1047956	840207	43.93%	2.734%
9	7.434	907	909	913	rVB	68239	55107	2.88%	0.179%
10	8.098	1020	1022	1023	rVV	76612	56299	2.94%	0.183%
11	8.122	1023	1026	1028	rVV	909033	715582	37.42%	2.328%
12	8.145	1028	1030	1033	rVV	178688	149835	7.83%	0.488%
13	8.181	1033	1036	1038	rVB	58729	52932	2.77%	0.172%
14	8.539	1094	1097	1102	rBV	120512	114995	6.01%	0.374%
15	8.710	1123	1126	1131	rVB	98157	75777	3.96%	0.247%
16	8.834	1145	1147	1151	rVB	117641	99622	5.21%	0.324%
17	8.934	1161	1164	1167	rBV	86585	72315	3.78%	0.235%
18	9.139	1197	1199	1202	rVB	68742	47466	2.48%	0.154%
19	9.198	1205	1209	1212	rBV	2022410	1609709	84.17%	5.238%
20	9.275	1217	1222	1225	rBV	102521	105851	5.53%	0.344%
21	9.469	1250	1255	1259	rVB2	46912	57592	3.01%	0.187%
22	9.539	1264	1267	1269	rBV	76828	81283	4.25%	0.264%
23	9.598	1273	1277	1279	rVB3	80974	73756	3.86%	0.240%
24	9.739	1299	1301	1305	rBV	170765	147429	7.71%	0.480%
25	9.810	1310	1313	1317	rVB	103204	81023	4.24%	0.264%
26	9.880	1322	1325	1328	rVV	898992	714458	37.36%	2.325%
27	9.916	1328	1331	1334	rVB	100449	96507	5.05%	0.314%
28	10.039	1347	1352	1355	rBV6	36454	57071	2.98%	0.186%
29	10.086	1355	1360	1363	rVV2	121138	124487	6.51%	0.405%
30	10.128	1364	1367	1371	rVB3	42915	51108	2.67%	0.166%
31	10.198	1376	1379	1382	rBV	61602	67437	3.53%	0.219%
32	10.286	1390	1394	1396	rBV3	56063	57874	3.03%	0.188%
33	10.310	1396	1398	1401	rVB	124150	85741	4.48%	0.279%
34	10.428	1415	1418	1425	rBV3	60056	88057	4.60%	0.287%
35	10.533	1431	1436	1441	rBV3	53754	82213	4.30%	0.268%
36	10.598	1442	1447	1450	rVV2	140228	138625	7.25%	0.451%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134256.D
 Acq On : 12 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03555-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

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-BF062623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.675	1457	1460	1466	rVV	902540	775705	40.56%	2.524%
38	10.798	1476	1481	1488	rVB3	199512	272364	14.24%	0.886%
39	11.133	1536	1538	1543	rVV4	44620	54596	2.85%	0.178%
40	11.180	1543	1546	1550	rVV2	81318	87186	4.56%	0.284%
41	11.233	1551	1555	1558	rVV2	125469	148900	7.79%	0.484%
42	11.269	1558	1561	1567	rVB2	96487	114700	6.00%	0.373%
43	11.375	1576	1579	1581	rBV	656147	585960	30.64%	1.907%
44	11.398	1581	1583	1587	rVV	535663	481573	25.18%	1.567%
45	11.451	1589	1592	1595	rVV	245351	212794	11.13%	0.692%
46	11.486	1595	1598	1601	rVV3	51584	70434	3.68%	0.229%
47	11.557	1604	1610	1613	rVV3	43104	74793	3.91%	0.243%
48	11.610	1616	1619	1625	rVV4	64350	121827	6.37%	0.396%
49	11.669	1626	1629	1632	rVV2	129619	127848	6.68%	0.416%
50	11.880	1662	1665	1667	rVV2	86458	72479	3.79%	0.236%
51	11.910	1667	1670	1675	rVB2	262246	255191	13.34%	0.830%
52	11.992	1681	1684	1687	rBV2	178781	183982	9.62%	0.599%
53	12.080	1695	1699	1703	rBV2	95876	107852	5.64%	0.351%
54	12.180	1713	1716	1718	rVV	92137	72255	3.78%	0.235%
55	12.210	1718	1721	1724	rVB	66316	58278	3.05%	0.190%
56	12.363	1744	1747	1749	rBV	60736	47890	2.50%	0.156%
57	12.433	1756	1759	1762	rBV	123261	126869	6.63%	0.413%
58	12.469	1762	1765	1768	rVV3	122064	121436	6.35%	0.395%
59	12.527	1771	1775	1780	rBV	163228	167498	8.76%	0.545%
60	12.604	1784	1788	1791	rBV	1654174	1408179	73.63%	4.582%
61	12.698	1801	1804	1807	rBV	104453	99162	5.18%	0.323%
62	12.745	1810	1812	1815	rVB2	61244	62265	3.26%	0.203%
63	12.833	1821	1827	1833	rBV	1815541	1912522	100.00%	6.223%
64	12.886	1833	1836	1839	rVB2	77417	89442	4.68%	0.291%
65	12.974	1847	1851	1853	rBV	1225104	1040705	54.42%	3.386%
66	13.051	1859	1864	1868	rBV4	136297	219683	11.49%	0.715%
67	13.157	1875	1882	1886	rVB3	206127	421303	22.03%	1.371%
68	13.198	1886	1889	1892	rBV2	101203	130702	6.83%	0.425%
69	13.227	1892	1894	1896	rBV	87324	71787	3.75%	0.234%
70	13.263	1896	1900	1903	rVV2	183476	211991	11.08%	0.690%
71	13.357	1914	1916	1919	rBV	144605	136057	7.11%	0.443%
72	13.392	1919	1922	1925	rBV2	95455	101514	5.31%	0.330%
73	13.651	1963	1966	1967	rBV3	54228	52603	2.75%	0.171%
74	13.674	1967	1970	1975	rVV	196876	211173	11.04%	0.687%
75	13.786	1986	1989	1991	rBV2	154886	136991	7.16%	0.446%
76	13.810	1991	1993	1995	rVV	106460	90453	4.73%	0.294%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134256.D
 Acq On : 12 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03555-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

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-BF062623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.839	1995	1998	2003	rVV2	249960	281882	14.74%	0.917%
78	13.886	2003	2006	2009	rVV	192593	177575	9.28%	0.578%
79	13.921	2009	2012	2015	rVB	121032	104197	5.45%	0.339%
80	14.033	2024	2031	2035	rBV2	1001686	1819481	95.14%	5.920%
81	14.068	2035	2037	2045	rVV	848766	799341	41.80%	2.601%
82	14.145	2048	2050	2053	rVV	180547	160946	8.42%	0.524%
83	14.192	2056	2058	2065	rVV6	87698	192051	10.04%	0.625%
84	14.257	2067	2069	2071	rVV	118684	113534	5.94%	0.369%
85	14.304	2074	2077	2079	rVB3	76815	72009	3.77%	0.234%
86	14.392	2090	2092	2094	rBV2	63632	59548	3.11%	0.194%
87	14.433	2094	2099	2101	rVV	190875	242695	12.69%	0.790%
88	14.463	2102	2104	2108	rVB2	108047	106325	5.56%	0.346%
89	14.557	2117	2120	2122	rBV	137343	139951	7.32%	0.455%
90	14.751	2151	2153	2155	rBV	76524	59120	3.09%	0.192%
91	14.939	2181	2185	2188	rBV3	92090	135868	7.10%	0.442%
92	15.004	2193	2196	2197	rBV2	54130	56050	2.93%	0.182%
93	15.110	2208	2214	2217	rBV	1089114	1750167	91.51%	5.695%
94	15.215	2229	2232	2236	rVB	195538	201140	10.52%	0.654%
95	15.421	2263	2267	2274	rVB	597623	821964	42.98%	2.675%
96	15.486	2274	2278	2283	rVB	659203	844170	44.14%	2.747%
97	15.551	2285	2289	2292	rVV	295326	417108	21.81%	1.357%
98	15.580	2292	2294	2301	rVB2	240009	349391	18.27%	1.137%
99	17.104	2546	2553	2557	rBV2	260386	533275	27.88%	1.735%
100	17.568	2626	2632	2643	rVB	212214	452850	23.68%	1.473%

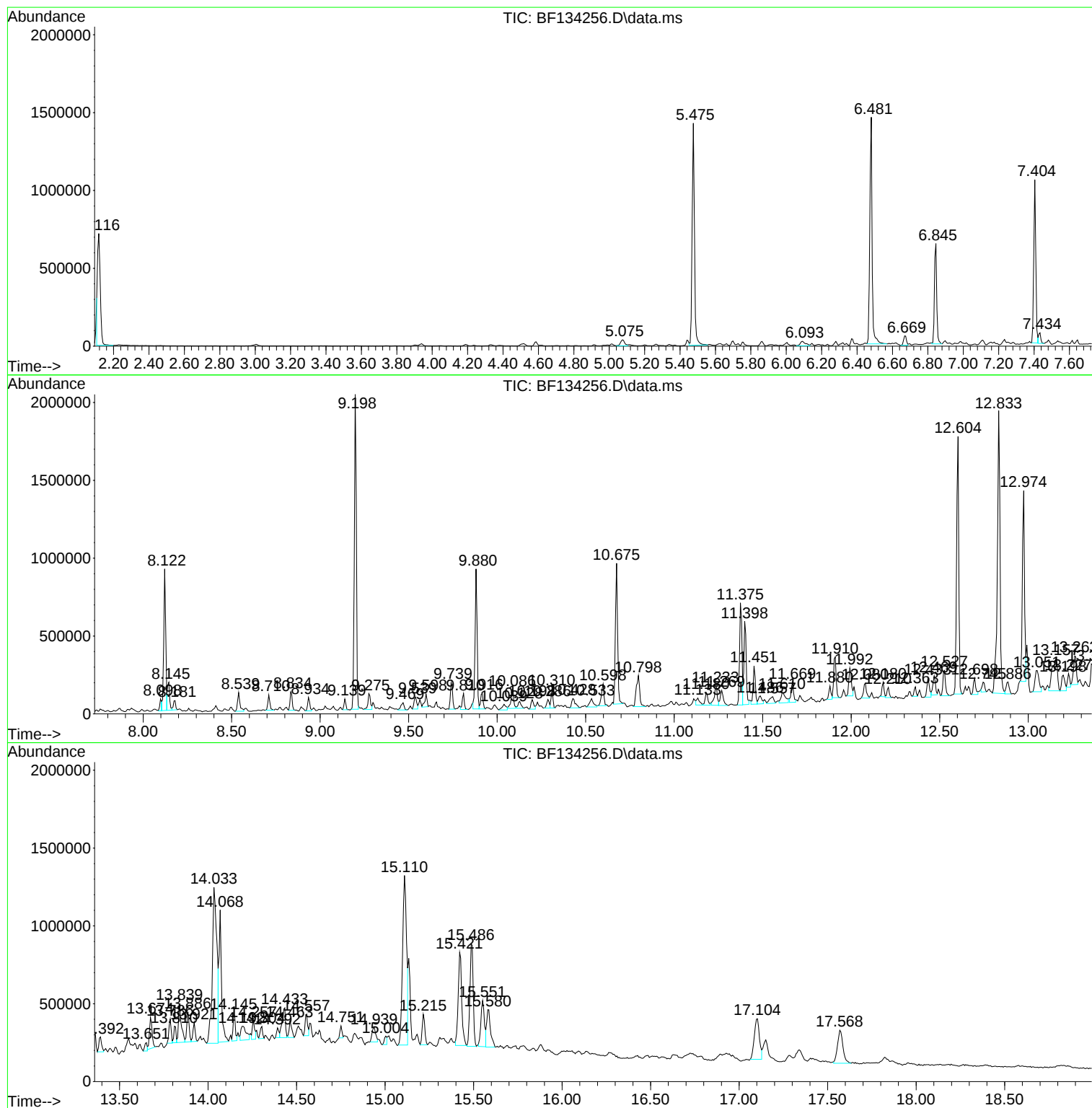
Sum of corrected areas: 30733277

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

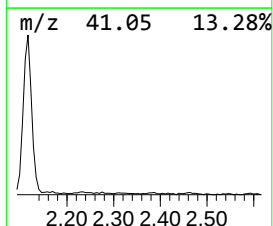
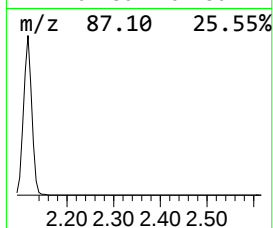
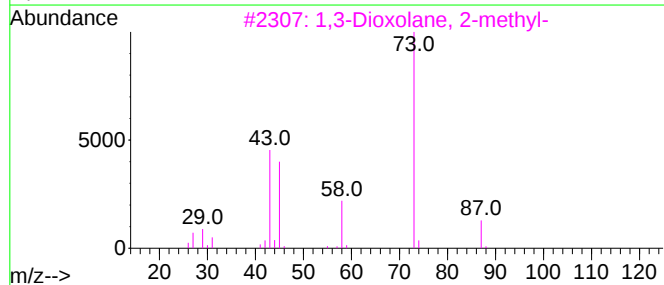
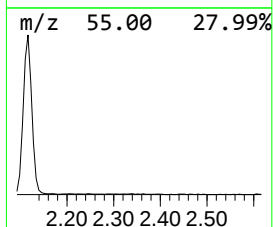
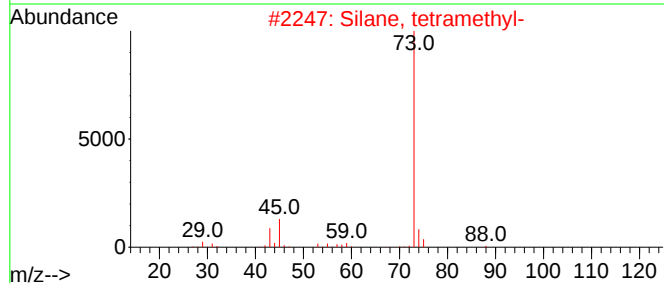
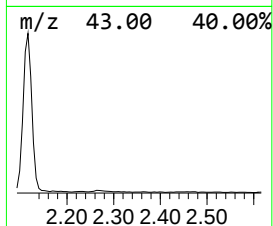
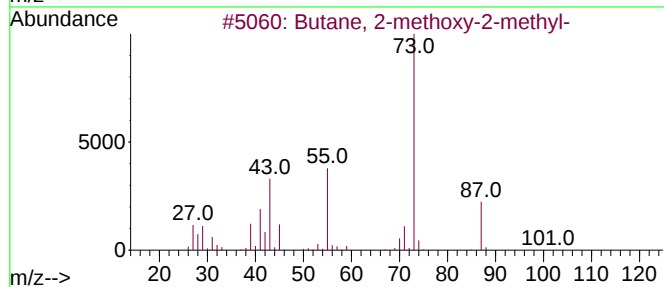
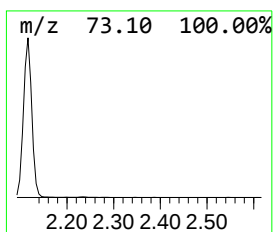
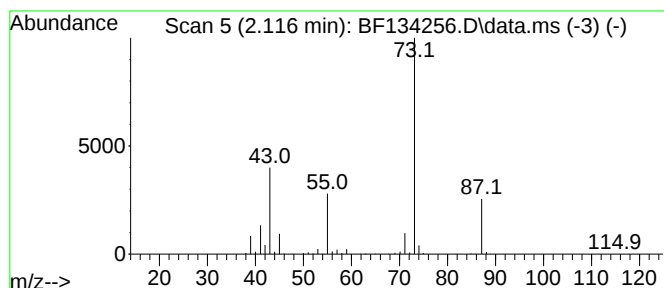
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown2.116 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.116	26.72 ng	767580	1,4-Dichlorobenzene-d4	6.845

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
2			Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
4			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

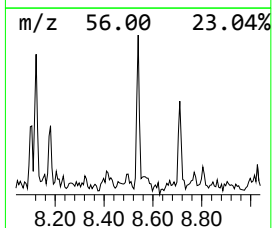
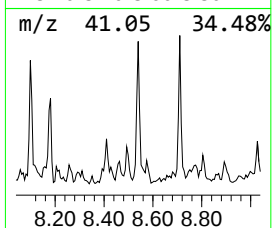
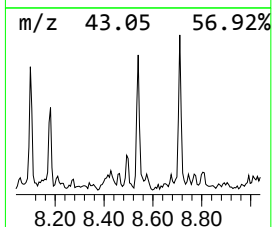
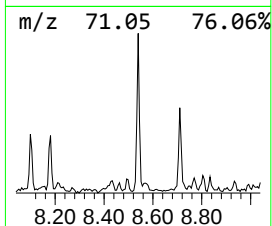
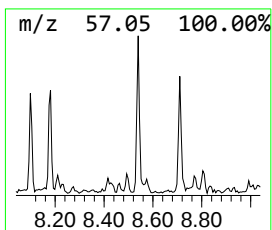
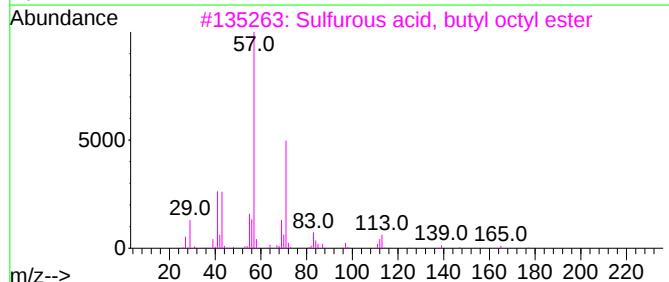
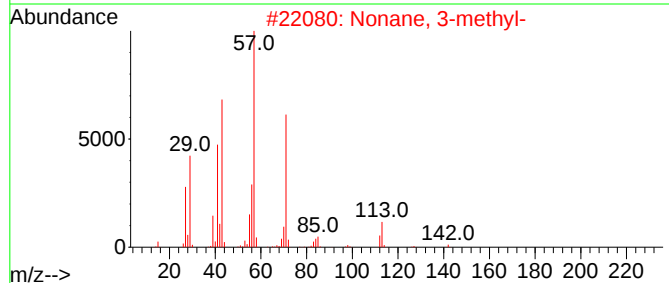
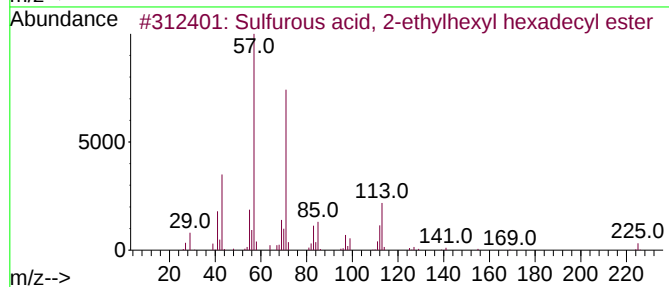
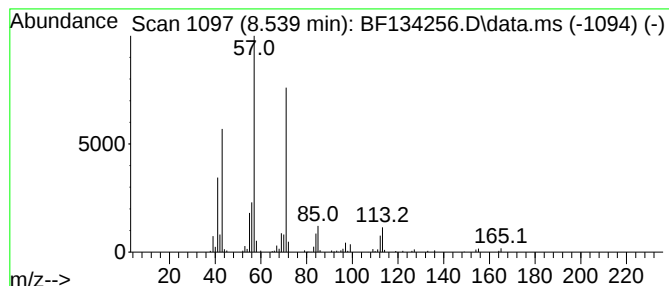
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Sulfurous acid, 2-ethylhexy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.539	3.21 ng	114995	Naphthalene-d8	8.122

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	78
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	78
3			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
4			6-Methyl-2-heptanol, 2-methylpro...	200	C12H24O2	1000447-36-7	59
5			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

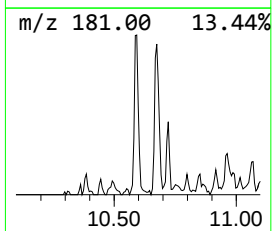
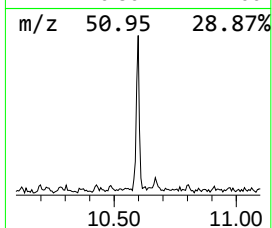
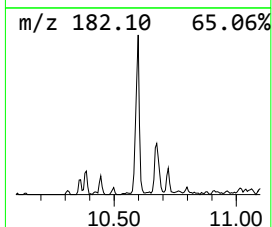
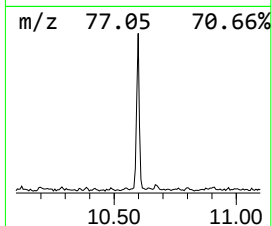
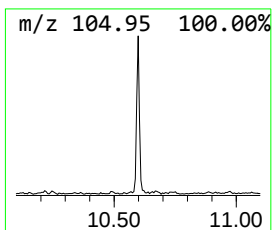
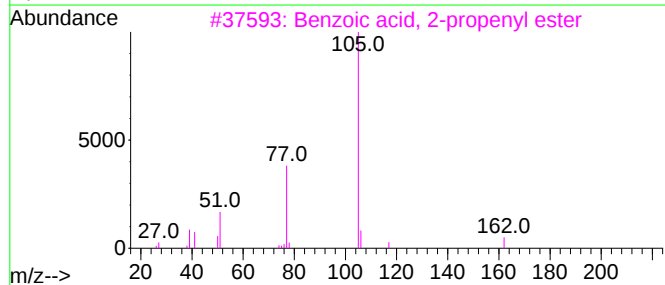
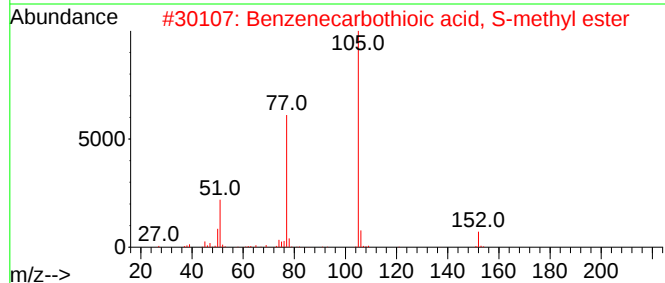
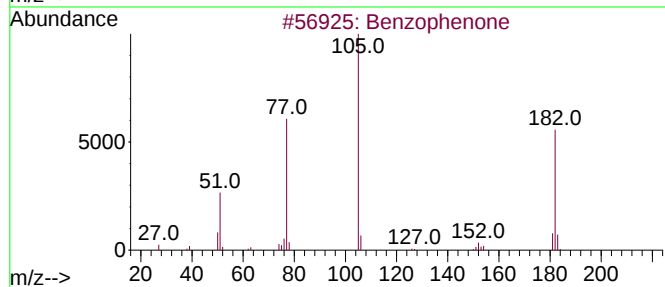
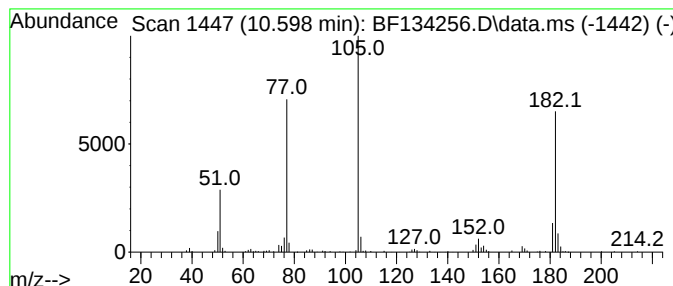
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.598	3.88 ng	138625	Acenaphthene-d10	9.880

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3			Benzoic acid, 2-propenyl ester	162	C10H10O2	000583-04-0	38
4			Benzoic acid, 2-(benzoylthio)thi...	341	C17H11NO3S2	1000258-72-7	38
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

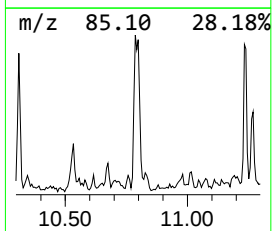
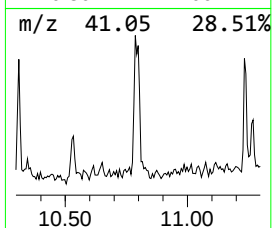
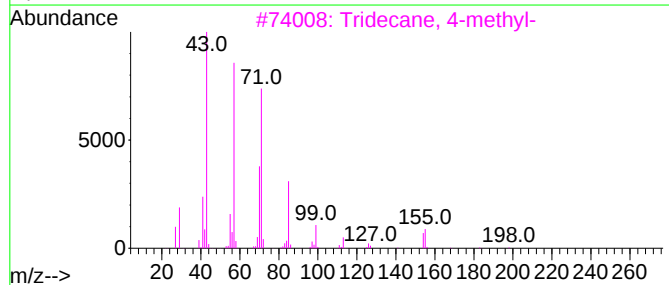
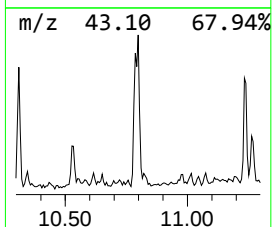
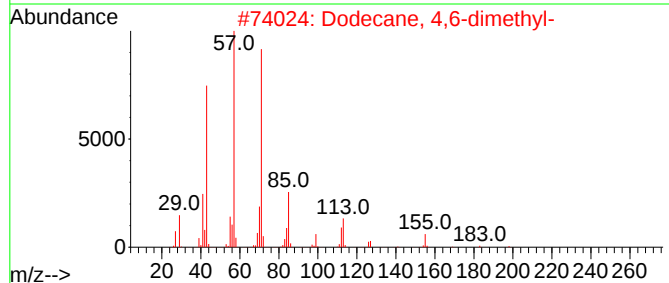
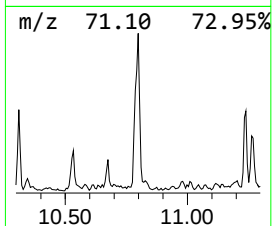
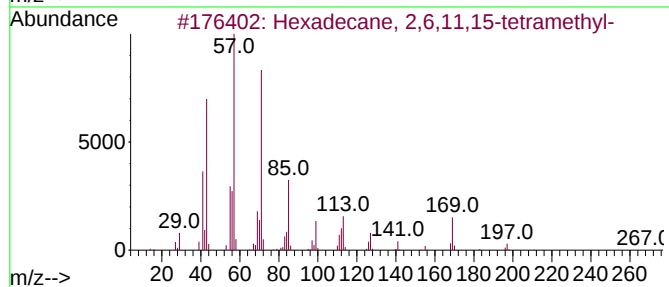
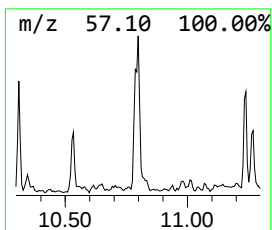
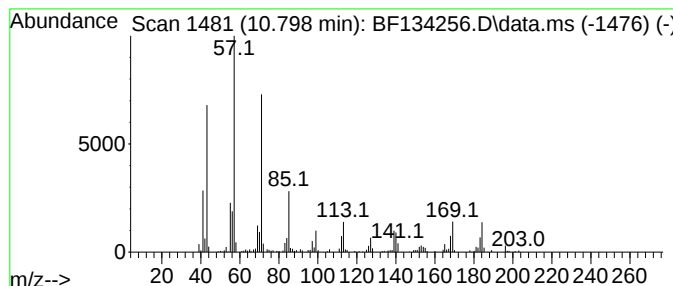
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane, 2,6,11,15-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.798	9.30 ng	272364	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	76
2			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70
3			Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
5			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

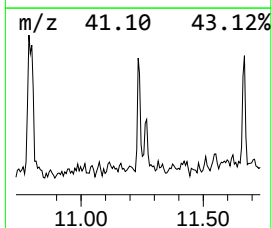
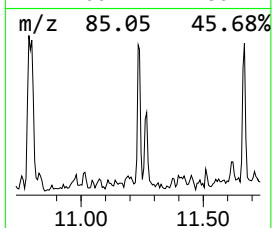
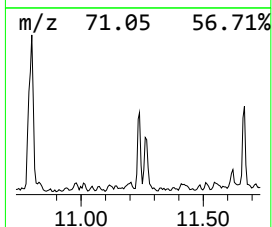
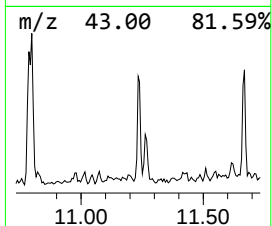
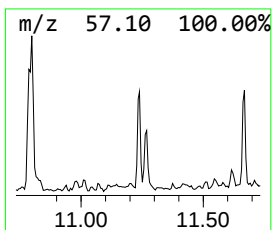
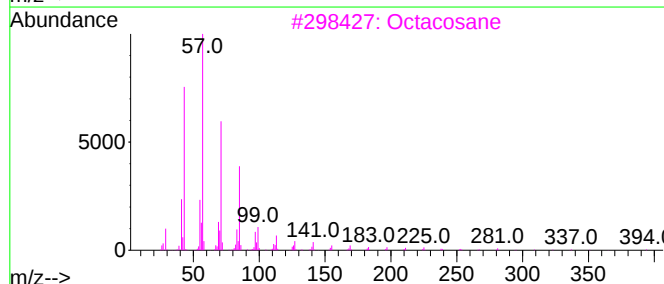
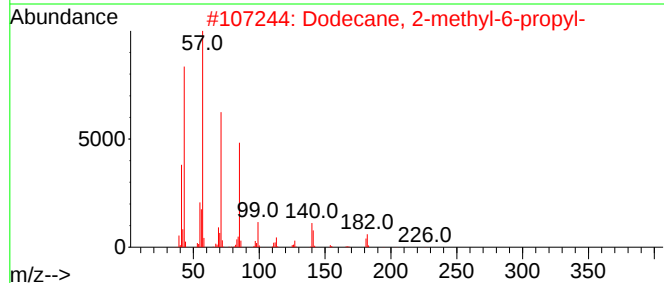
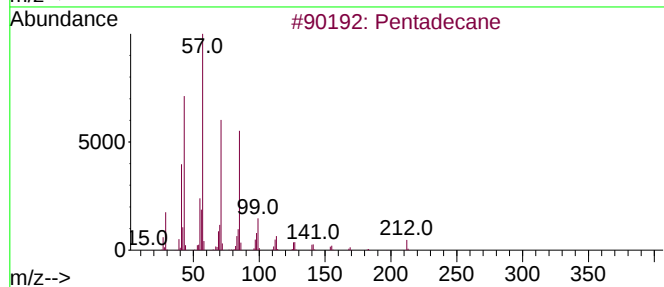
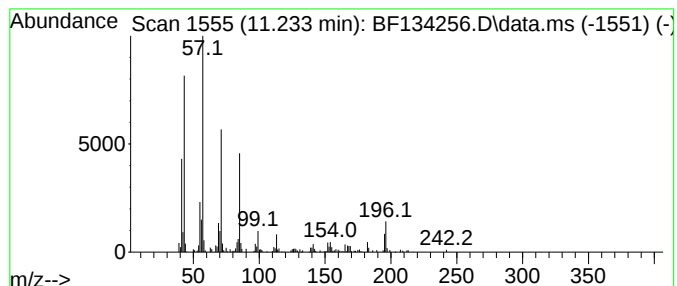
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Pentadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	5.08 ng	148900	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	76
2			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
3			Octacosane	394	C28H58	000630-02-4	68
4			Nonadecane	268	C19H40	000629-92-5	68
5			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

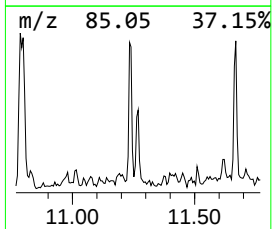
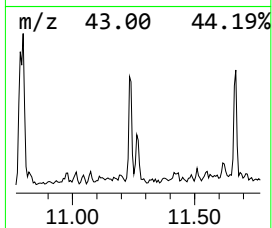
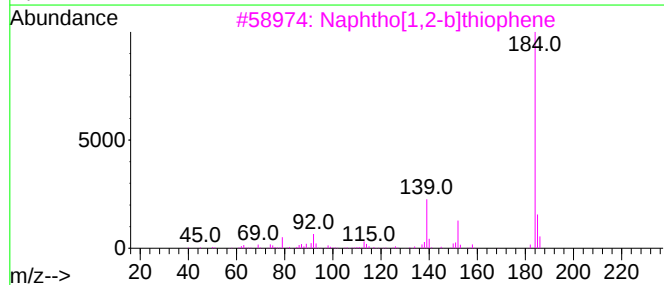
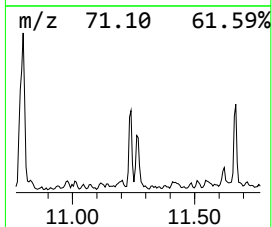
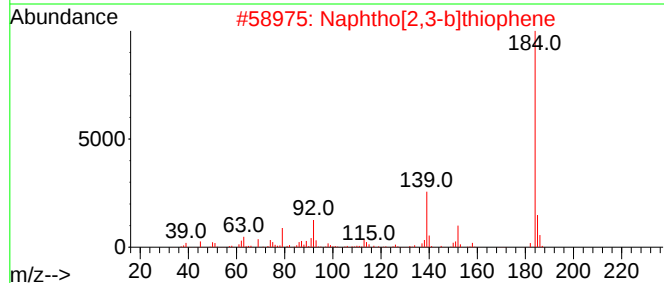
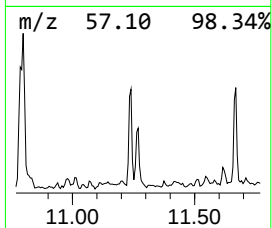
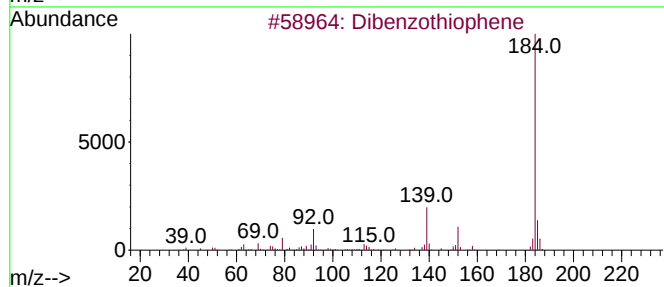
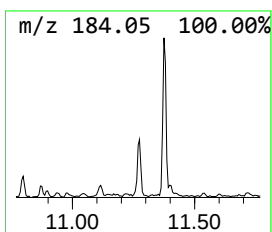
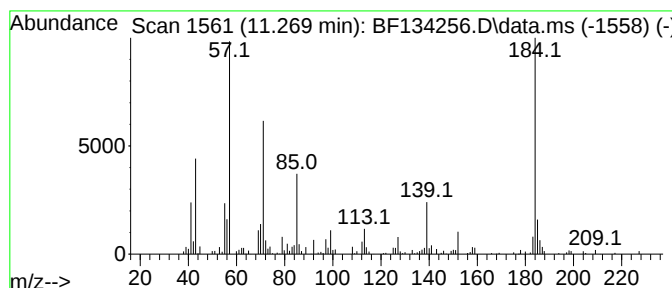
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.269	3.91 ng	114700	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	70
2			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	55
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	55
4			2-(2-Methyl-4-nitro-1H-imidazol-...	184	C6H8N4O3	1000460-14-2	43
5			Tetracosane	338	C24H50	000646-31-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

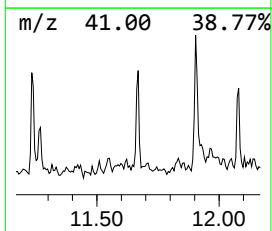
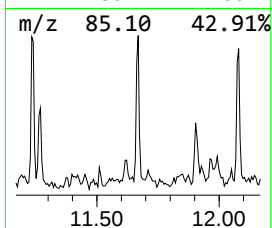
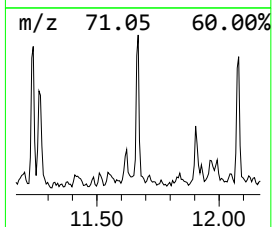
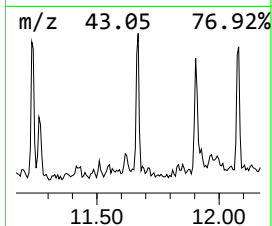
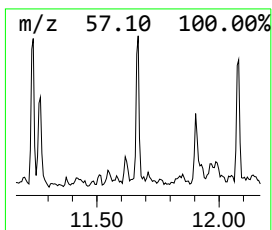
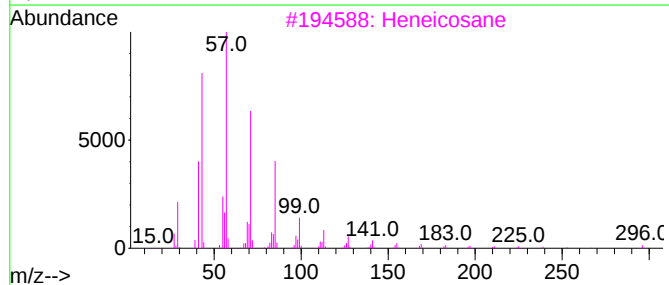
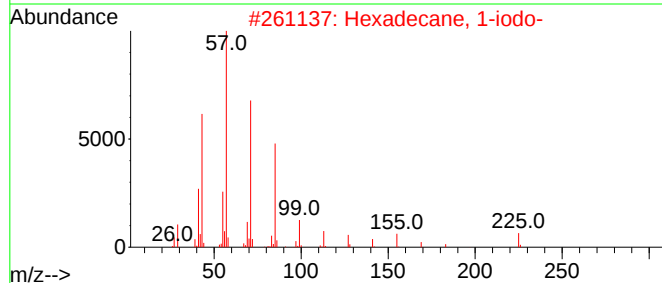
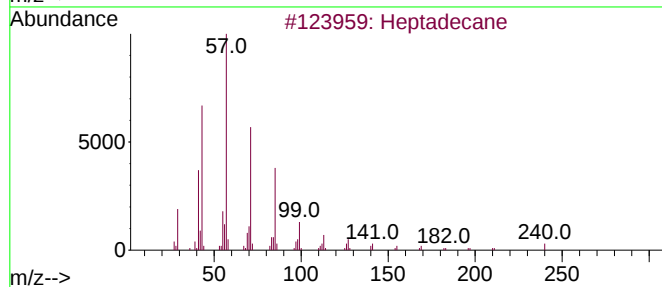
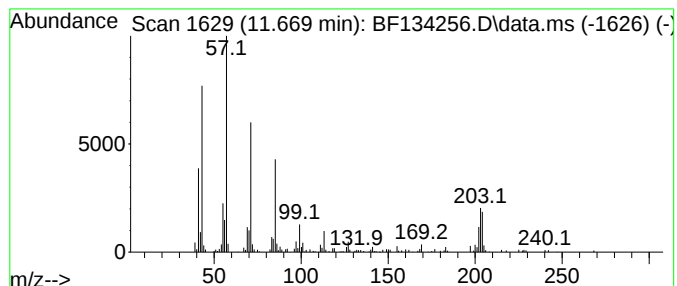
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.669	4.36 ng	127848	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	68
2			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	68
3			Heneicosane	296	C21H44	000629-94-7	68
4			Eicosane	282	C20H42	000112-95-8	68
5			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

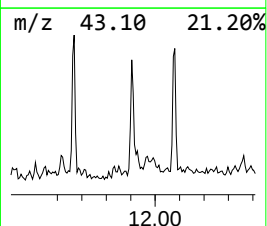
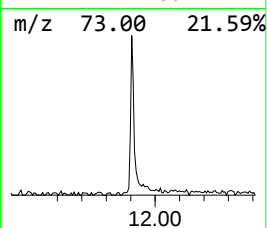
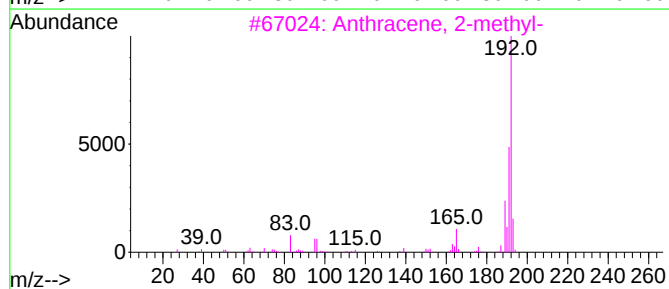
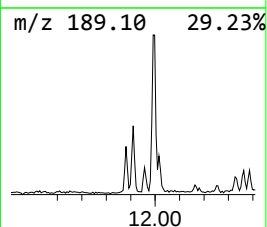
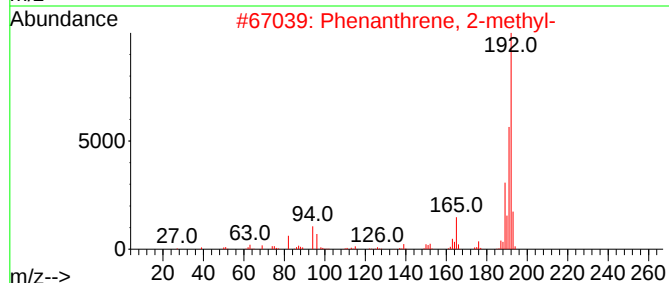
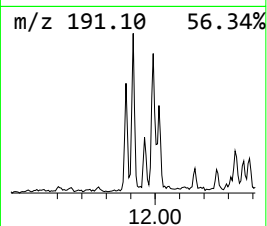
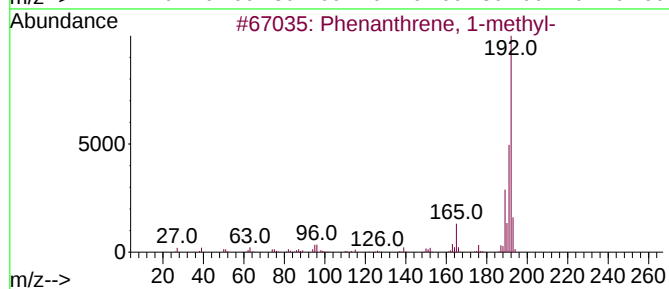
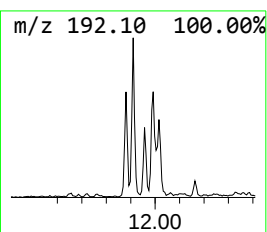
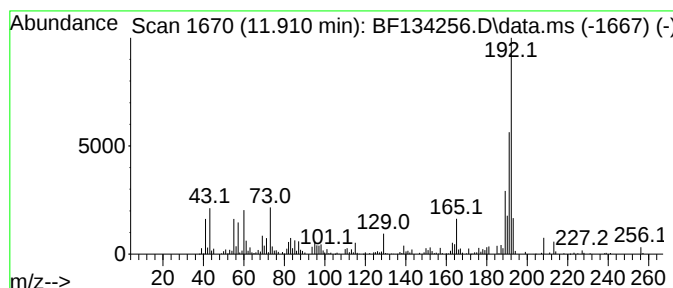
Instrument :
BNA_F
ClientSampleId :
ETGI-289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.910	8.71 ng	255191	Phenanthrene-d10	11.374	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

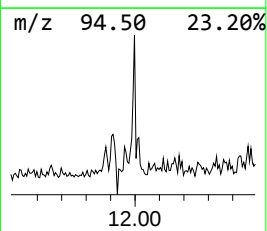
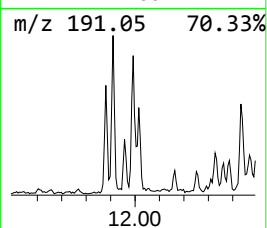
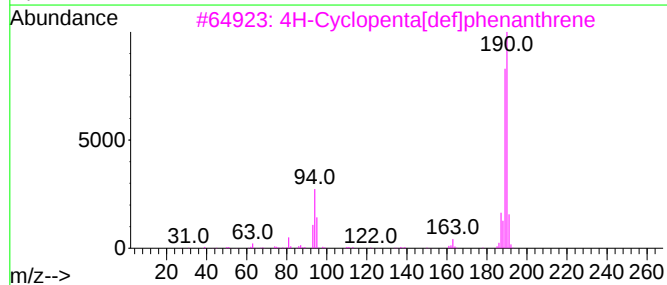
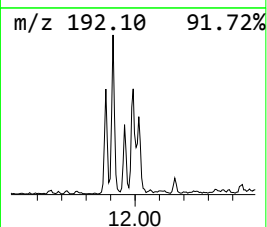
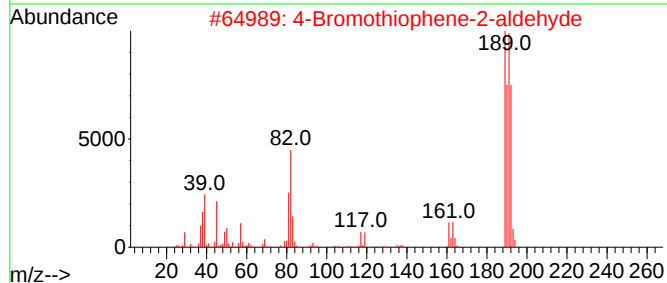
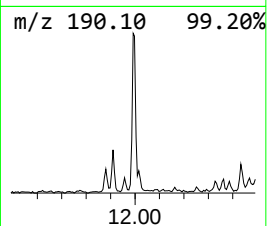
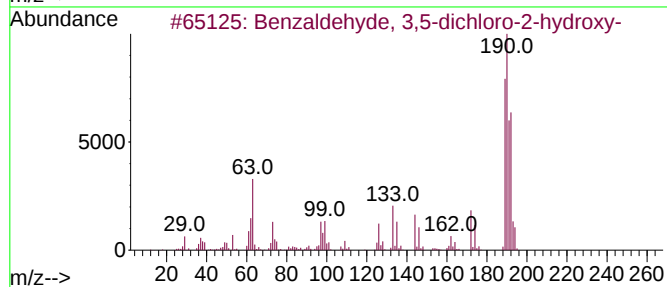
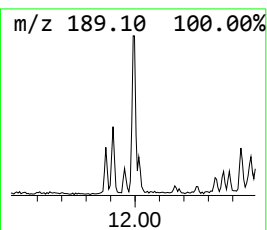
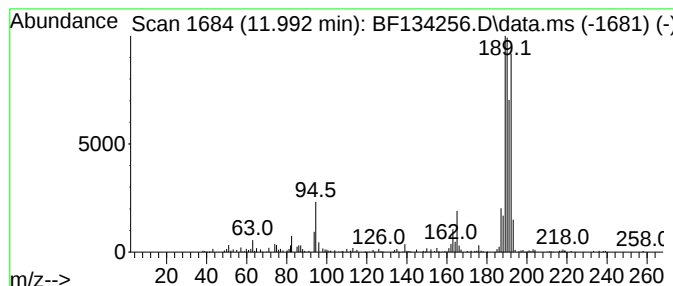
Instrument :
BNA_F
ClientSampleId :
ETGI-289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.992	6.28 ng	183982	Phenanthrene-d10		11.374	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2		4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

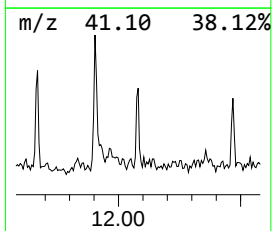
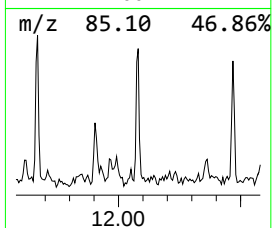
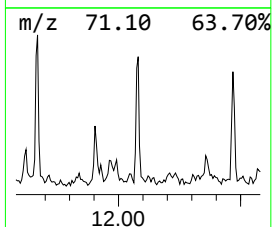
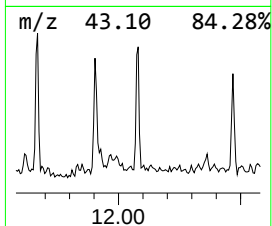
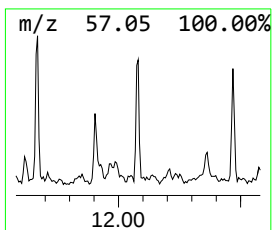
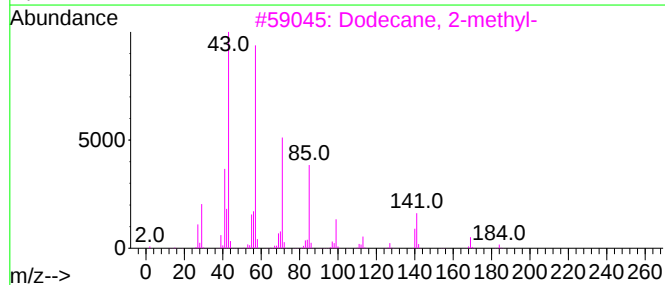
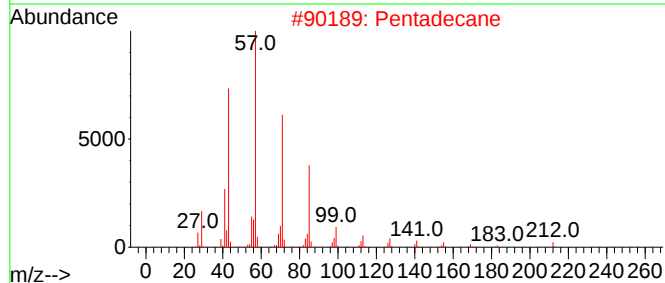
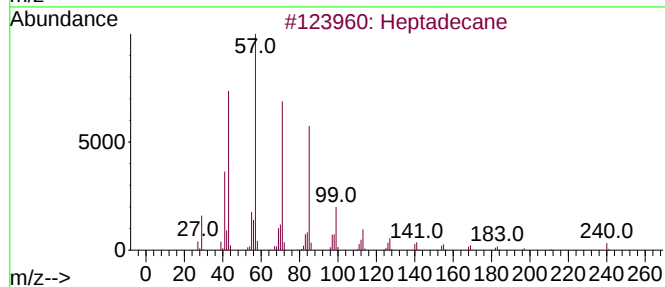
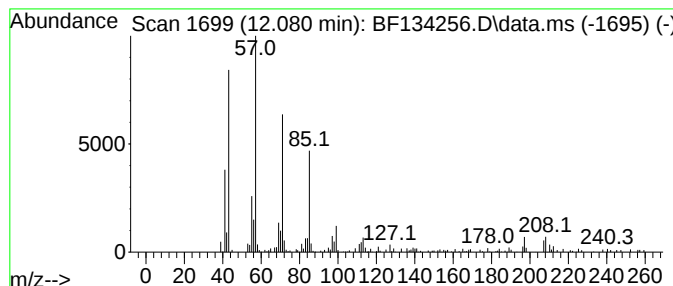
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Dodecane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	3.68 ng	107852	Phenanthrene-d10	11.374

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane	240	C17H36	000629-78-7	95
2		Pentadecane	212	C15H32	000629-62-9	93
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
4		Nonadecane	268	C19H40	000629-92-5	83
5		Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

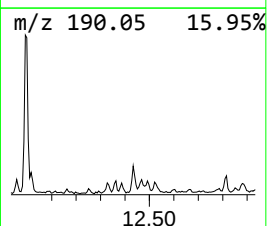
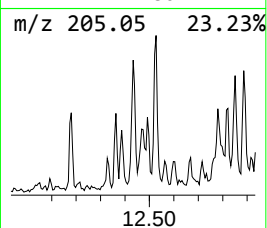
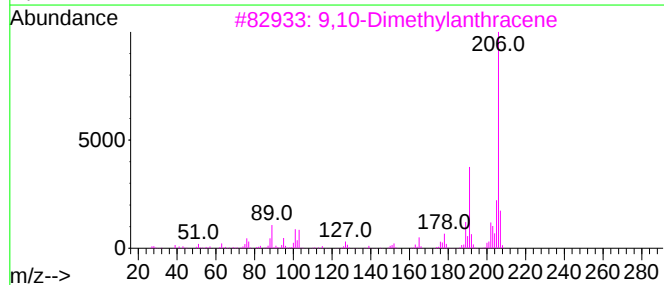
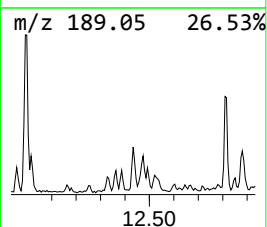
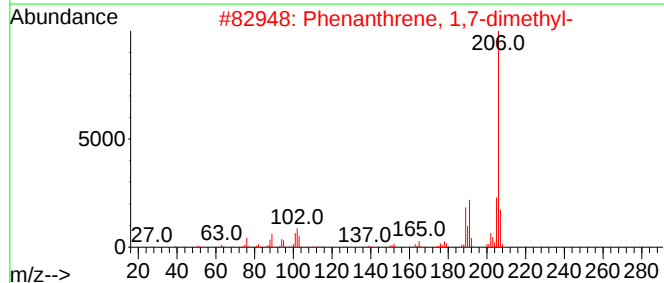
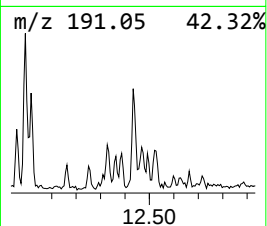
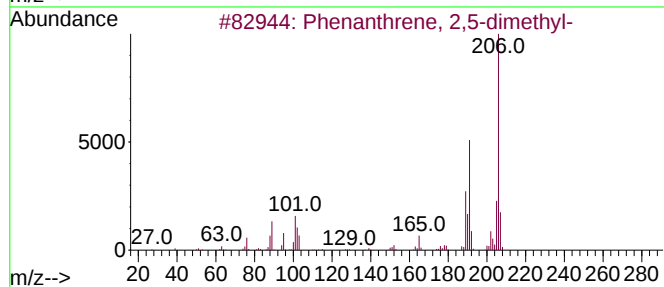
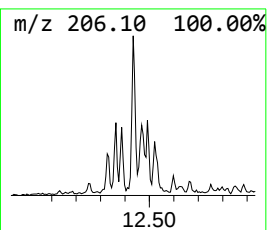
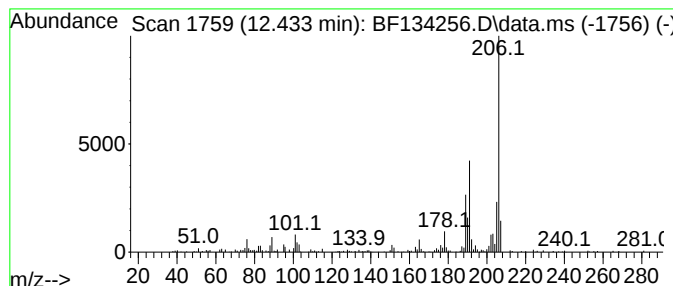
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	4.33 ng	126869	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

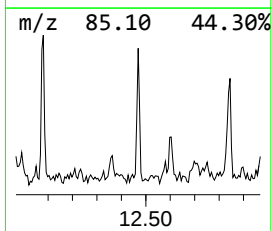
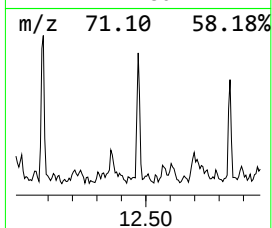
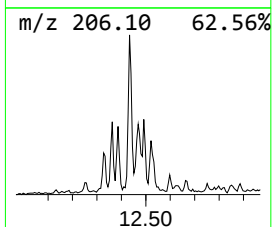
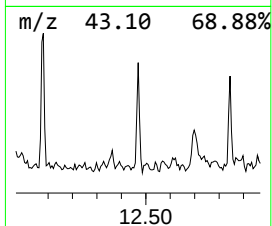
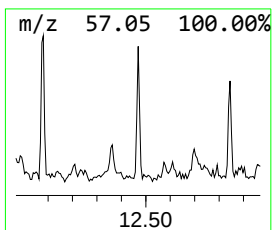
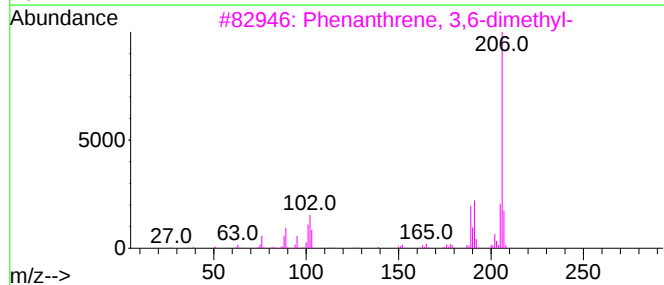
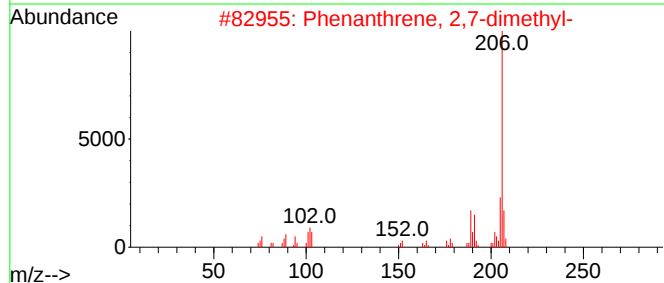
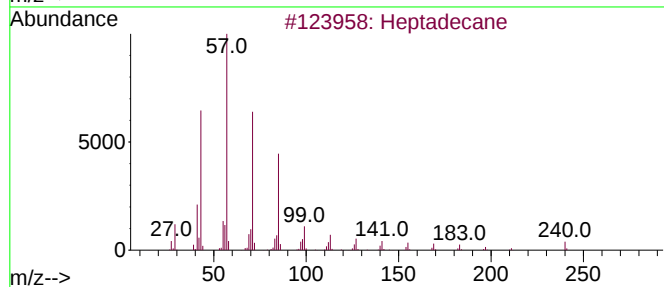
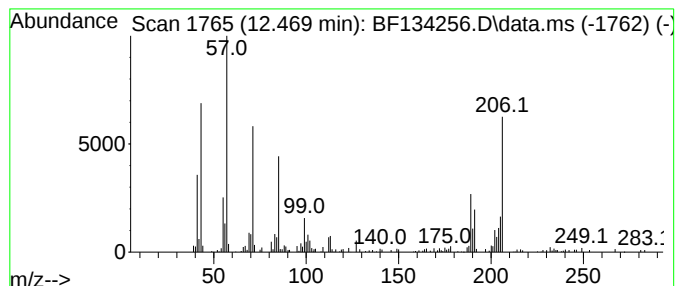
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.14 ng	121436	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	55
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4			Octadecane	254	C18H38	000593-45-3	38
5			Eicosane	282	C20H42	000112-95-8	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

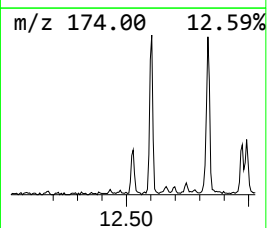
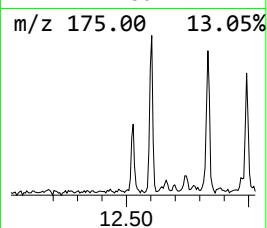
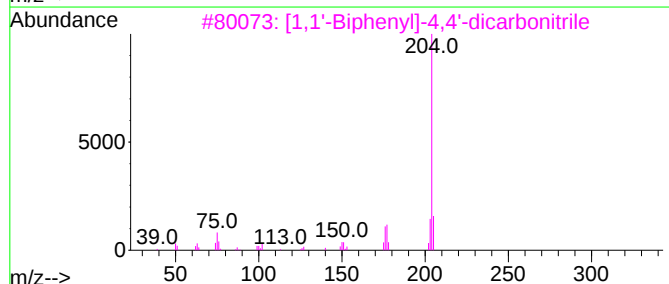
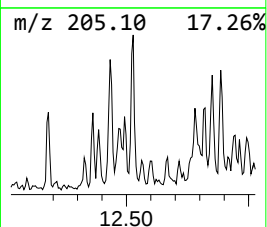
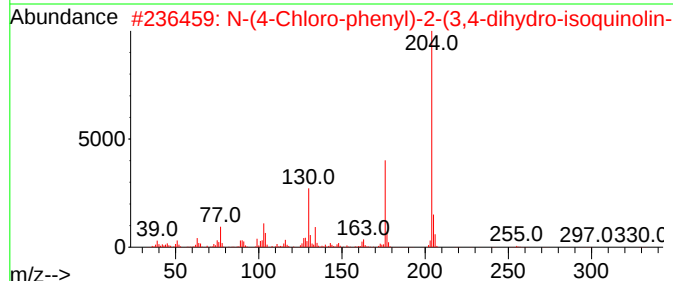
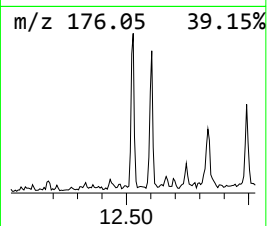
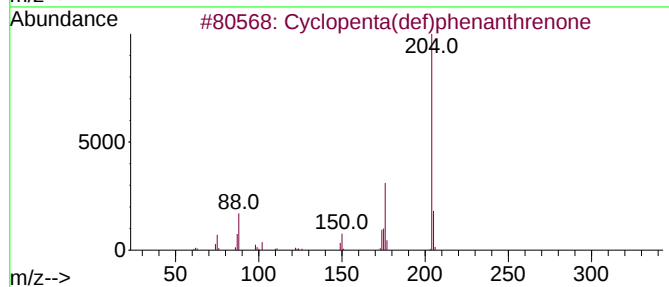
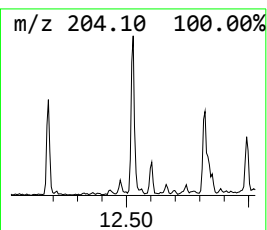
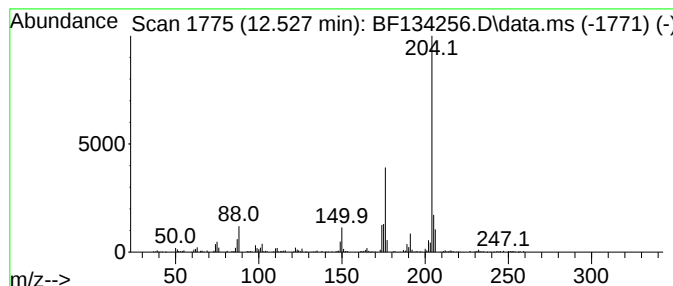
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	5.72 ng	167498	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2			N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	59
3			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5			6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

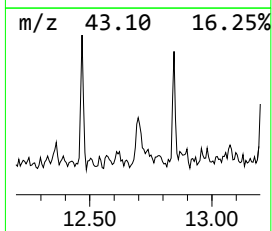
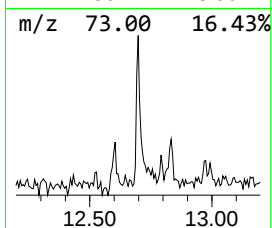
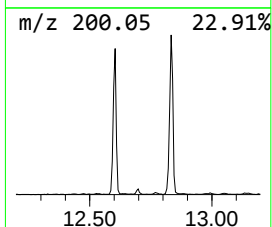
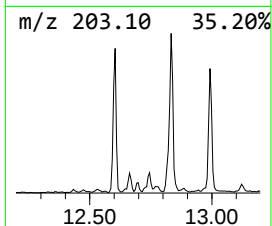
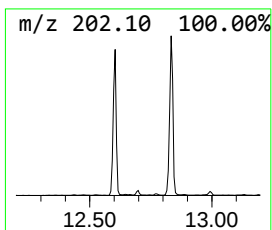
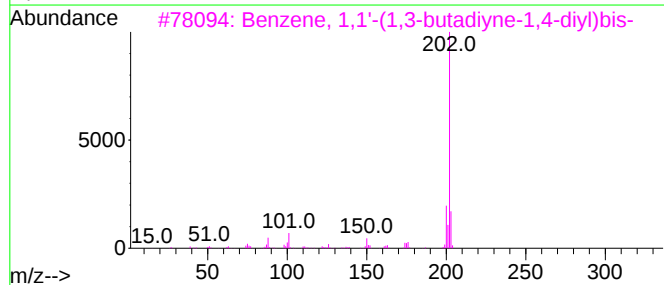
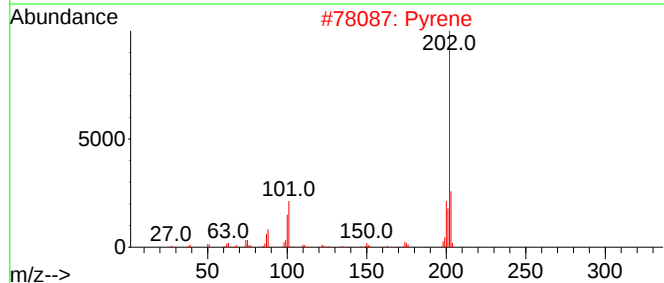
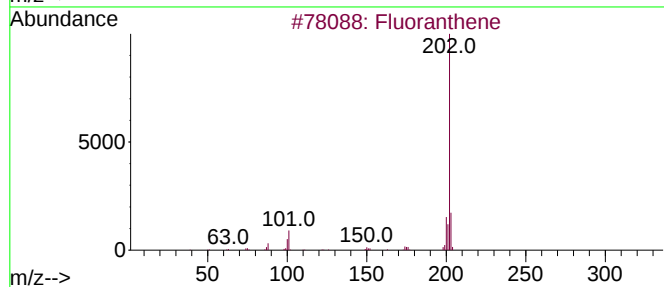
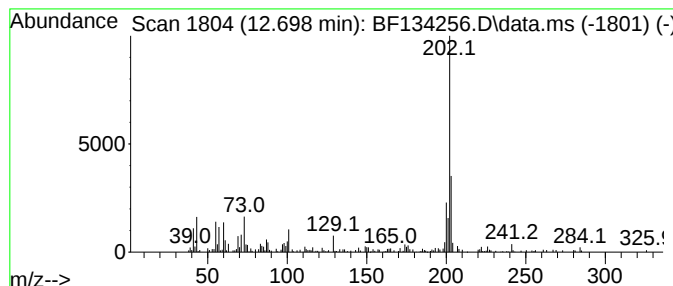
Instrument :
BNA_F
ClientSampleId :
ETGI-289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.698	3.38 ng	99162	Phenanthrene-d10		11.374	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Fluoranthene		202	C16H10	000206-44-0	64
2	Pyrene		202	C16H10	000129-00-0	58
3	Benzene, 1,1'-(1,3-butadiyne-1,4...		202	C16H10	000886-66-8	52
4	Carbonic acid, monoamide, N-benz...		293	C19H19NO2	1000340-17-8	38
5	4,4'-Bis(tetrahydrothiopyran)		202	C10H18S2	116196-83-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

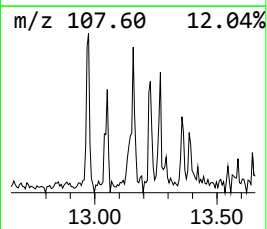
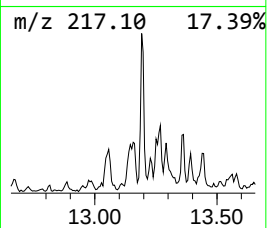
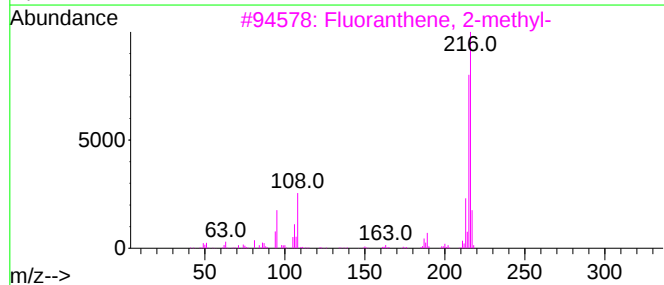
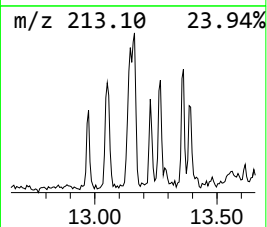
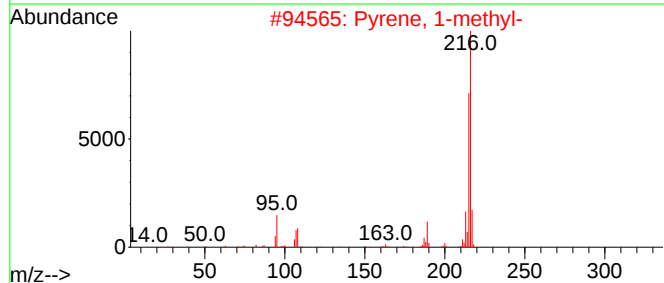
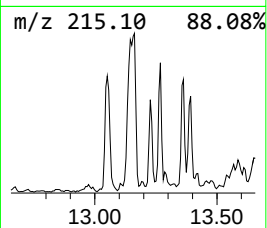
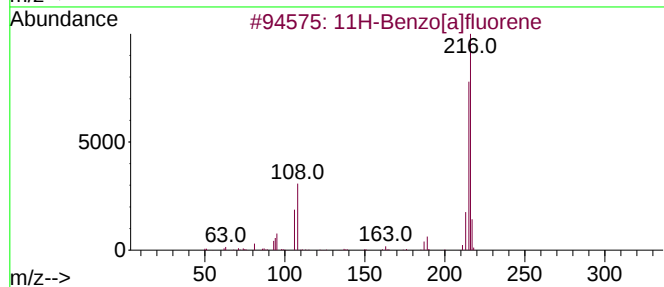
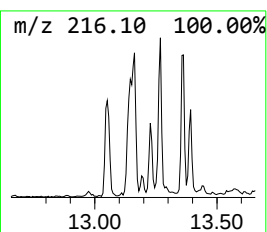
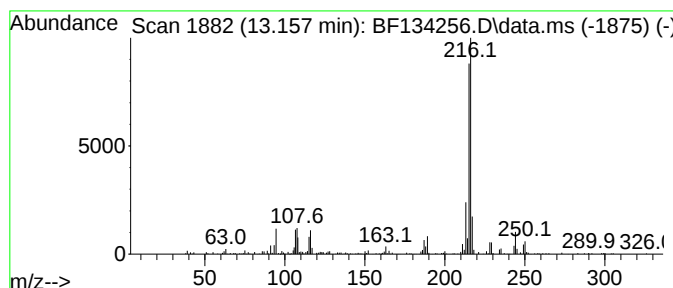
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.157	4.63 ng	421303	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

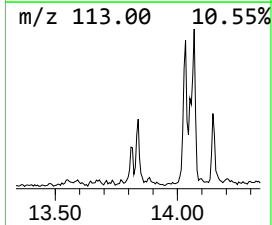
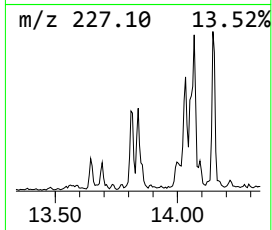
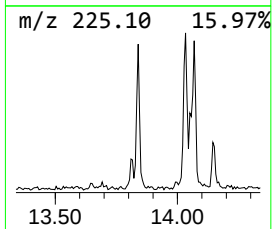
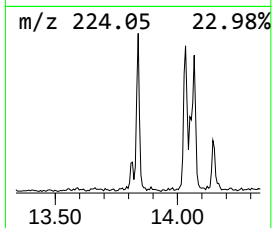
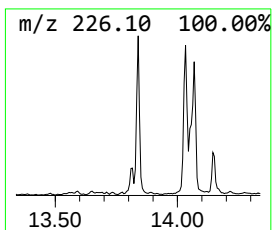
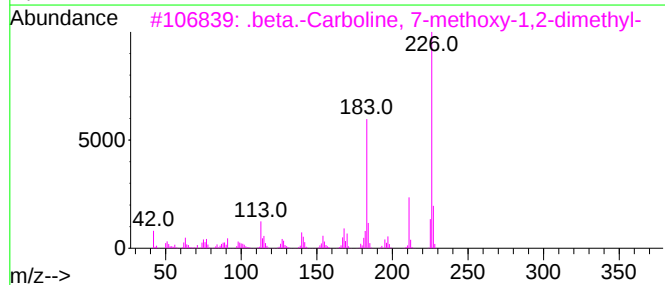
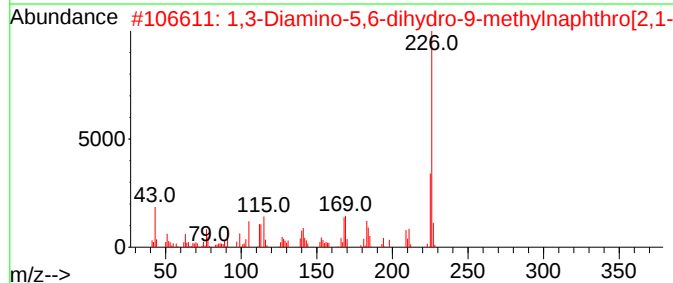
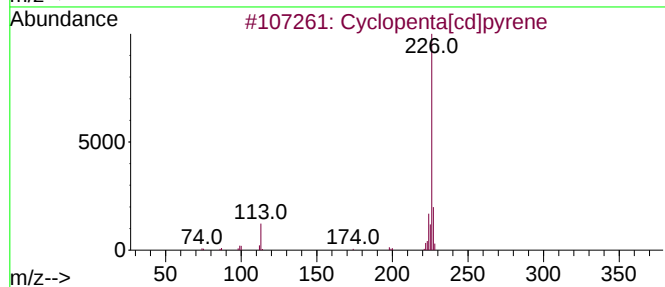
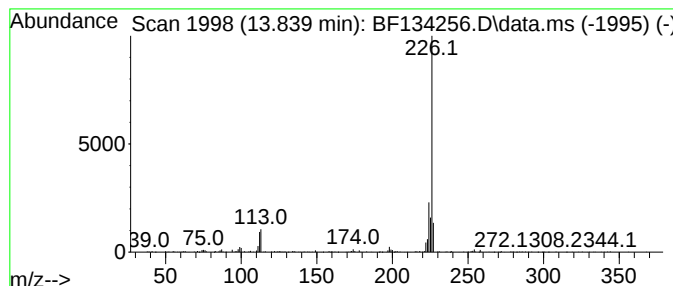
Instrument :
BNA_F
ClientSampleId :
ETGI-289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	3.10 ng	281882	Chrysene-d12	14.045
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 81
2		1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8 53
3		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 40
4		1,8-Diazacyclotetradecane-2,7-dione	226 C12H22N2O2	004266-66-4 37
5		3-Hydroxy-4-methyl-6H-benzo[c]ch...	226 C14H10O3	076244-77-4 36



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

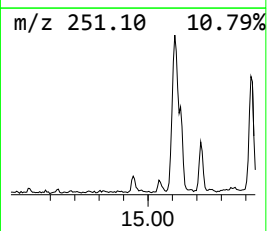
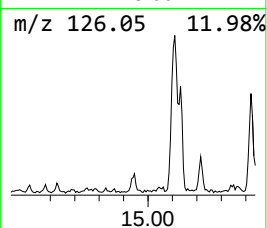
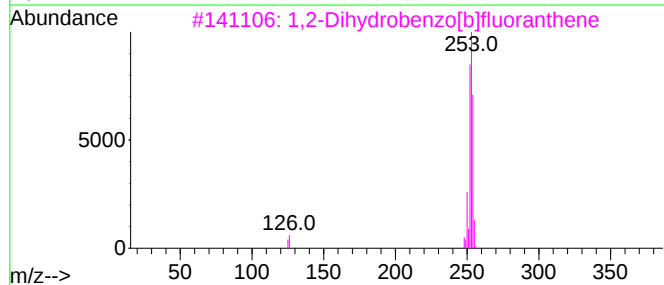
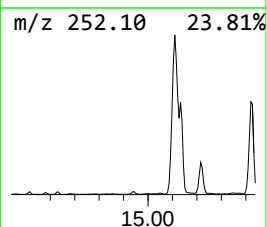
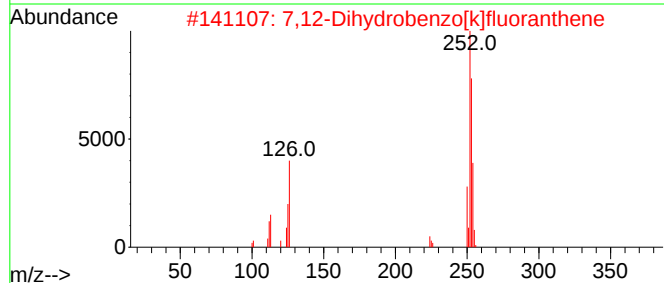
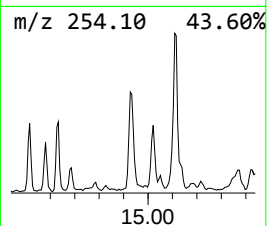
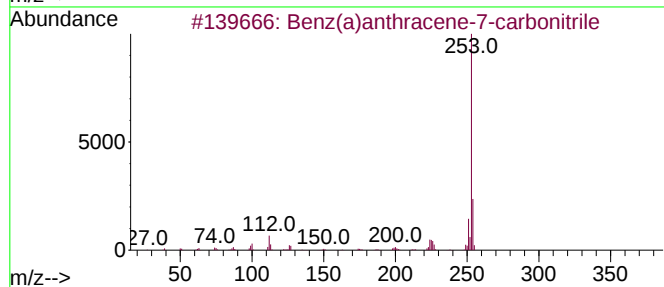
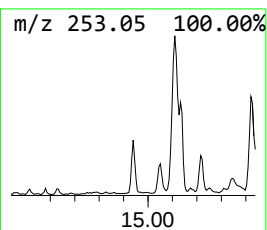
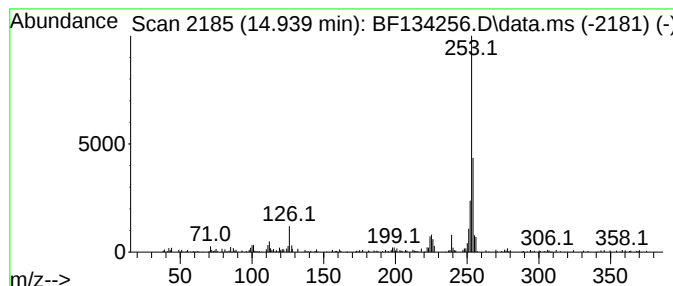
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benz(a)anthracene-7-carboni... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.939	6.51 ng	135868	Perylene-d12	15.551

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	52
2		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	50
3		1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	45
4		5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	45
5		4,6'-Biazulenyl	254	C20H14	094154-49-1	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

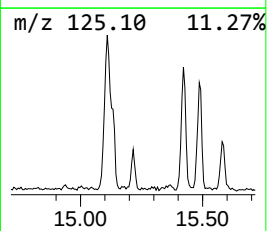
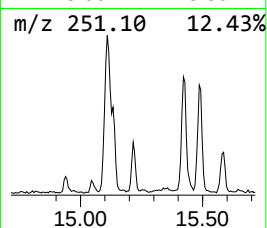
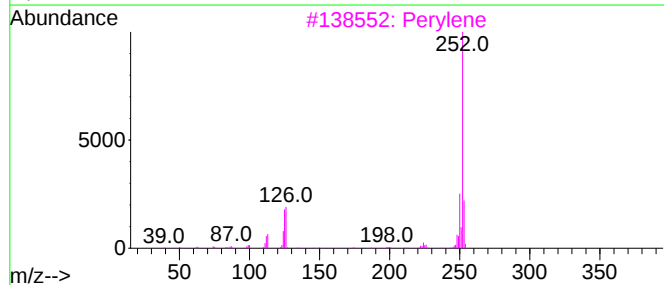
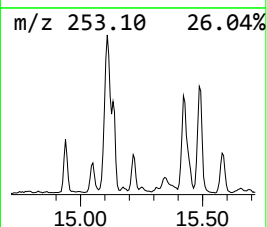
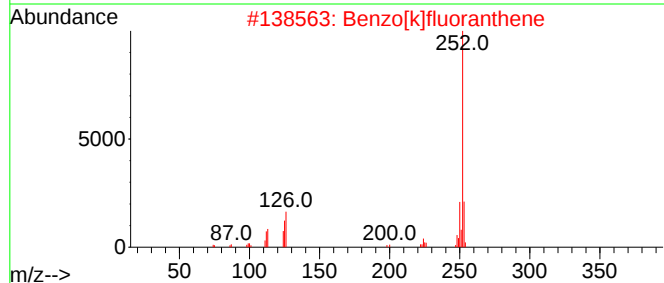
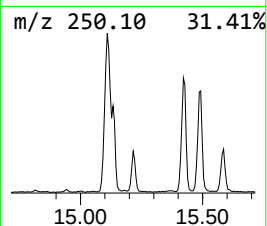
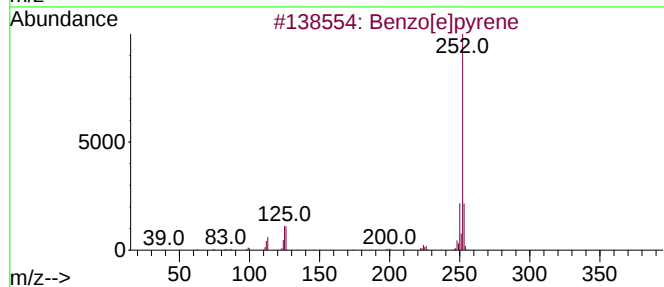
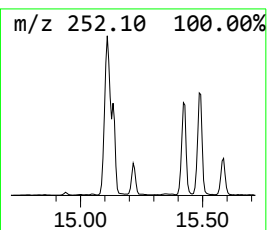
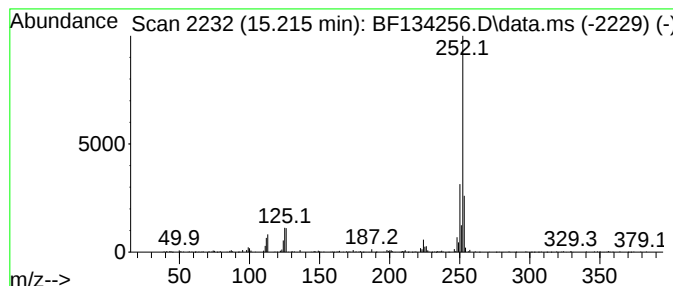
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.215	9.64 ng	201140	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3			Perylene	252	C20H12	000198-55-0	90
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

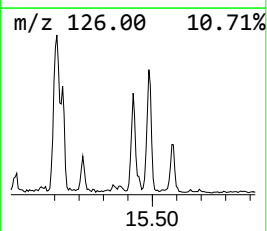
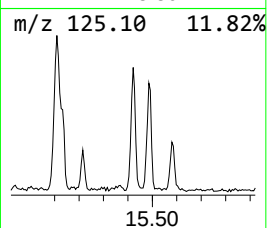
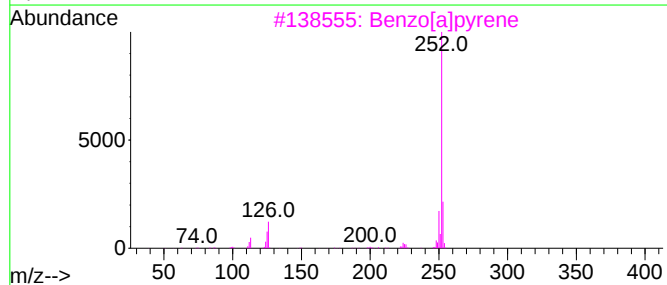
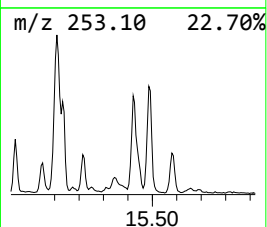
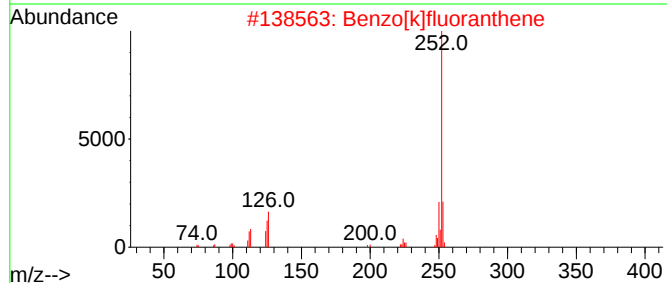
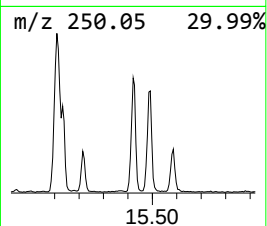
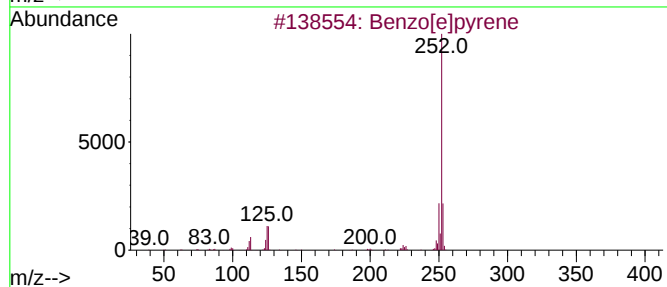
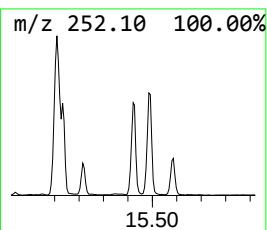
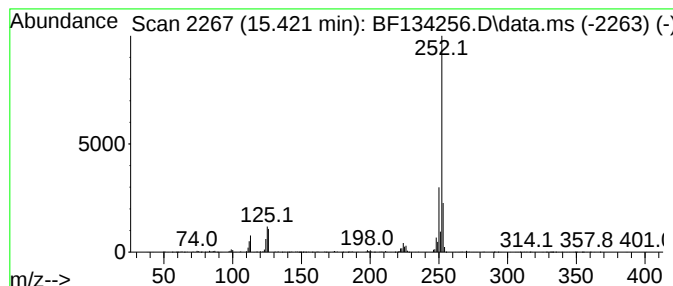
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	39.41 ng	821964	Perylene-d12	15.551

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Perylene	252	C20H12	000198-55-0	95
5		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
Acq On : 12 Jul 2023 20:22
Operator : CG\JU
Sample : 03555-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown2.116	2.116	26.7	ng	767580	1	6.845	574640	20.0
Sulfurous acid,...	8.539	3.2	ng	114995	2	8.122	715582	20.0
Benzophenone	10.598	3.9	ng	138625	3	9.880	714458	20.0
Hexadecane, 2,6...	10.798	9.3	ng	272364	4	11.374	585960	20.0
Pentadecane	11.233	5.1	ng	148900	4	11.374	585960	20.0
Dibenzothiophene	11.269	3.9	ng	114700	4	11.374	585960	20.0
Heptadecane	11.669	4.4	ng	127848	4	11.374	585960	20.0
Phenanthrene, 1...	11.910	8.7	ng	255191	4	11.374	585960	20.0
Benzaldehyde, 3...	11.992	6.3	ng	183982	4	11.374	585960	20.0
Dodecane, 2-met...	12.080	3.7	ng	107852	4	11.374	585960	20.0
Phenanthrene, 2...	12.433	4.3	ng	126869	4	11.374	585960	20.0
Phenanthrene, 2...	12.469	4.1	ng	121436	4	11.374	585960	20.0
Cyclopenta(def)...	12.527	5.7	ng	167498	4	11.374	585960	20.0
Benzene, 1,1'-(...	12.698	3.4	ng	99162	4	11.374	585960	20.0
11H-Benzo[a]flu...	13.157	4.6	ng	421303	5	14.045	1819480	20.0
Cyclopenta[cd]p...	13.839	3.1	ng	281882	5	14.045	1819480	20.0
Benz(a)anthrace...	14.939	6.5	ng	135868	6	15.551	417108	20.0
Benzo[e]pyrene	15.215	9.6	ng	201140	6	15.551	417108	20.0
Perylene	15.421	39.4	ng	821964	6	15.551	417108	20.0