LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130970.D
Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.228	15	24	30	rVB	422404	584683	27.03%	1.701%
2	2.340	38	43	49	rVB	32714	43778	2.02%	0.127%
3	5.145	515	520	530	rBV	416892	510453	23.59%	1.485%
4	5.534	581	586	590	rBV	2136833	2163475	100.00%	6.295%
5	6.539	751	757	760	rBV	2043035	2079379	96.11%	6.051%
6	6.916	817	821	824	rBV	671258	508298	23.49%	1.479%
7	7.481	912	917	920	rBV	1474762	1356962	62.72%	3.949%
8	8.122	1020	1026	1033	rBV3	25314	69006	3.19%	0.201%
9	8.198	1035	1039	1042	rVV	656082	598001	27.64%	1.740%
10	8.222	1042	1043	1046	rVB	70465	37992	1.76%	0.111%
11	8.916	1158	1161	1164	rBV	39959	34346	1.59%	0.100%
12	9.016	1174	1178	1180	rBV	43805	40778	1.88%	0.119%
13	9.280	1217	1223	1226	rBV	2255080	2103330	97.22%	6.120%
14	9.616	1275	1280	1283	rVV	51170	56178	2.60%	0.163%
15	9.680	1287	1291	1296	rVV3	22125	35704	1.65%	0.104%
16	9.822	1311	1315	1318	rBV	185638	149319	6.90%	0.434%
17	9.963	1332	1339	1342	rBV	604967	558066	25.79%	1.624%
18	9.992	1342	1344	1347	rVB	78306	58034	2.68%	0.169%
19	10.163	1367	1373	1377	rVB2	68604	75906	3.51%	0.221%
20	10.274	1388	1392	1395	rBV3	35128	46445	2.15%	0.135%
21	10.369	1403	1408	1409	rBV3	23147	31340	1.45%	0.091%
22	10.510	1429	1432	1437	rVB	126058	119260	5.51%	0.347%
23	10.663	1454	1458	1462	rVB	34306	36504	1.69%	0.106%
24	10.751	1469	1473	1476	rBV	1367162	1161004	53.66%	3.378%
25	10.857	1488	1491	1492	rBV	42460	32420	1.50%	0.094%
26	10.874	1492	1494	1497	rVB2	45206	38393	1.77%	0.112%
27	11.057	1520	1525	1528	rBV2	49501	64839	3.00%	0.189%
28	11.186	1543	1547	1549	rBV3	31759	34064	1.57%	0.099%
29	11.210	1549	1551	1555	rVB2	36431	34521	1.60%	0.100%
30	11.257	1556	1559	1563	rVB2	38202	30723	1.42%	0.089%
31	11.304	1563	1567	1570	rBV2	32566	43107	1.99%	0.125%
32	11.351	1570	1575	1579	rVB2	73175	90560	4.19%	0.264%
33	11.451	1589	1592	1594	rBV	590401	537233	24.83%	1.563%
34	11.480	1594	1597	1600	rVV	1019037	869235	40.18%	2.529%
35	11.527	1602	1605	1608	rVV	213020	165899	7.67%	0.483%
36	11.563	1608	1611	1614	rVB3	38208	42806	1.98%	0.125%

LSC Area Percent Report

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Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.680	1625	1631	1637	rBV	98735	141010	6.52%	0.410%
38	11.751	1639	1643	1646	rVV2	44285	63404	2.93%	0.184%
39	11.786	1646	1649	1653	rVV2	48745	55405	2.56%	0.161%
40	11.839	1654	1658	1660	rVV4	26954	33887	1.57%	0.099%
41	11.957	1674	1678	1680	rBV	206551	196537	9.08%	0.572%
42	11.980	1680	1682	1686	rVV	268859	273988	12.66%	0.797%
43	12.033	1688	1691	1693	rVV	72670	61507	2.84%	0.179%
44	12.068	1693	1697	1699	rVV2	328666	341504	15.78%	0.994%
45	12.092	1699	1701	1705	rVB	153396	122034	5.64%	0.355%
46	12.145	1706	1710	1712	rBV3	31168	49438	2.29%	0.144%
47	12.251	1725	1728	1730	rVV	148074	129055	5.97%	0.376%
48	12.274	1730	1732	1735	rVB2	184324	158625	7.33%	0.462%
49	12.404	1752	1754	1756	rVB	44475	34589	1.60%	0.101%
50	12.433	1756	1759	1761	rBV	63468	48747	2.25%	0.142%
51	12.457	1761	1763	1765	rVB	57394	42528	1.97%	0.124%
52	12.510	1768	1772	1774	rBV	172121	174708	8.08%	0.508%
53	12.539	1774	1777	1780	rVV3	92029	122930	5.68%	0.358%
54	12.563	1780	1781	1784	rVB	56624	36015	1.66%	0.105%
55	12.592	1784	1786	1791	rBV2	114050	144583	6.68%	0.421%
56	12.674	1796	1800	1803	rVB	2040763	1750245	80.90%	5.093%
57	12.715	1803	1807	1809	rBV2	57467	62966	2.91%	0.183%
58	12.733	1809	1810	1813	rVB2	49355	31188	1.44%	0.091%
59	12.763	1813	1815	1818	rBV	136919	120563	5.57%	0.351%
60	12.798	1818	1821	1823	rBV	65298	63605	2.94%	0.185%
61	12.821	1823	1825	1828	rBV	61434	57308	2.65%	0.167%
62	12.904	1833	1839	1844	rBV	1659162	1875448	86.69%	5.457%
63	12.951	1844	1847	1851	rVB2	112231	117410	5.43%	0.342%
64	13.021	1855	1859	1860	rBV	107356	120661	5.58%	0.351%
65	13.045	1860	1863	1866	rVB	2411730	1968196	90.97%	5.727%
66	13.115	1871	1875	1879	rBV2	166422	267217	12.35%	0.778%
67	13.204	1887	1890	1892	rBV3	142346	178527	8.25%	0.519%
68	13.227	1892	1894	1897	rVB	308771	298312	13.79%	0.868%
69	13.268	1897	1901	1903	rBV3	56685	70960	3.28%	0.206%
70	13.298	1903	1906	1908	rVV	226222	189008	8.74%	0.550%
71	13.333	1908	1912	1915	rVV2	230672	241670	11.17%	0.703%
72	13.392	1919	1922	1925	rBV2	42079	47396	2.19%	0.138%
73	13.427	1925	1928	1930	rBV	131582	98168	4.54%	0.286%
74	13.457	1930	1933	1936	rBV	114583	115158	5.32%	0.335%
75	13.610	1956	1959	1961	rBV4	66266	79342	3.67%	0.231%
76	13.739	1978	1981	1985	rVB	163749	184166	8.51%	0.536%

LSC Area Percent Report

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Misc :
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Instrument :
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ClientSampleId :
TP-A

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.851	1996	2000	2003	rBV3	182892	212835	9.84%	0.619%
78	13.880	2003	2005	2007	rVV	191874	148140	6.85%	0.431%
79	13.904	2007	2009	2013	rVV2	158651	221701	10.25%	0.645%
80	13.945	2013	2016	2025	rVB3	230479	305022	14.10%	0.888%
81	14.098	2038	2042	2046	rBV2	1225562	1755716	81.15%	5.109%
82	14.133	2046	2048	2053	rVB	1099614	902578	41.72%	2.626%
83	14.210	2055	2061	2064	rBV4	149637	263903	12.20%	0.768%
84	14.245	2065	2067	2072	rBV3	105377	157134	7.26%	0.457%
85	14.327	2077	2081	2084	rBV2	86451	125164	5.79%	0.364%
86	14.362	2084	2087	2089	rBV2	56968	50408	2.33%	0.147%
87	14.451	2100	2102	2104	rBV	53873	49042	2.27%	0.143%
88	14.492	2106	2109	2112	rVB	231216	209964	9.70%	0.611%
89	14.527	2112	2115	2118	rBV2	140429	145623	6.73%	0.424%
90	14.615	2128	2130	2132	rBV	118264	96902	4.48%	0.282%
91	14.639	2132	2134	2137	rVB2	105801	86003	3.98%	0.250%
92	15.168	2219	2224	2227	rBV	841408	1311951	60.64%	3.818%
93	15.280	2239	2243	2247	rVB	173239	197216	9.12%	0.574%
94	15.486	2274	2278	2284	rVB	505492	646222	29.87%	1.880%
95	15.551	2284	2289	2295	rBV	698266	867211	40.08%	2.523%
96	15.615	2296	2300	2303	rVV	450742	596027	27.55%	1.734%
97	15.645	2303	2305	2312	rVB2	211200	260530	12.04%	0.758%
98	17.145	2554	2560	2570	rVB2	256064	546755	25.27%	1.591%
99	17.256	2575	2579	2586	rVB4	144238	286621	13.25%	0.834%
100	17.609	2636	2639	2649	rVB	176906	313056	14.47%	0.911%

Sum of corrected areas: 34365773

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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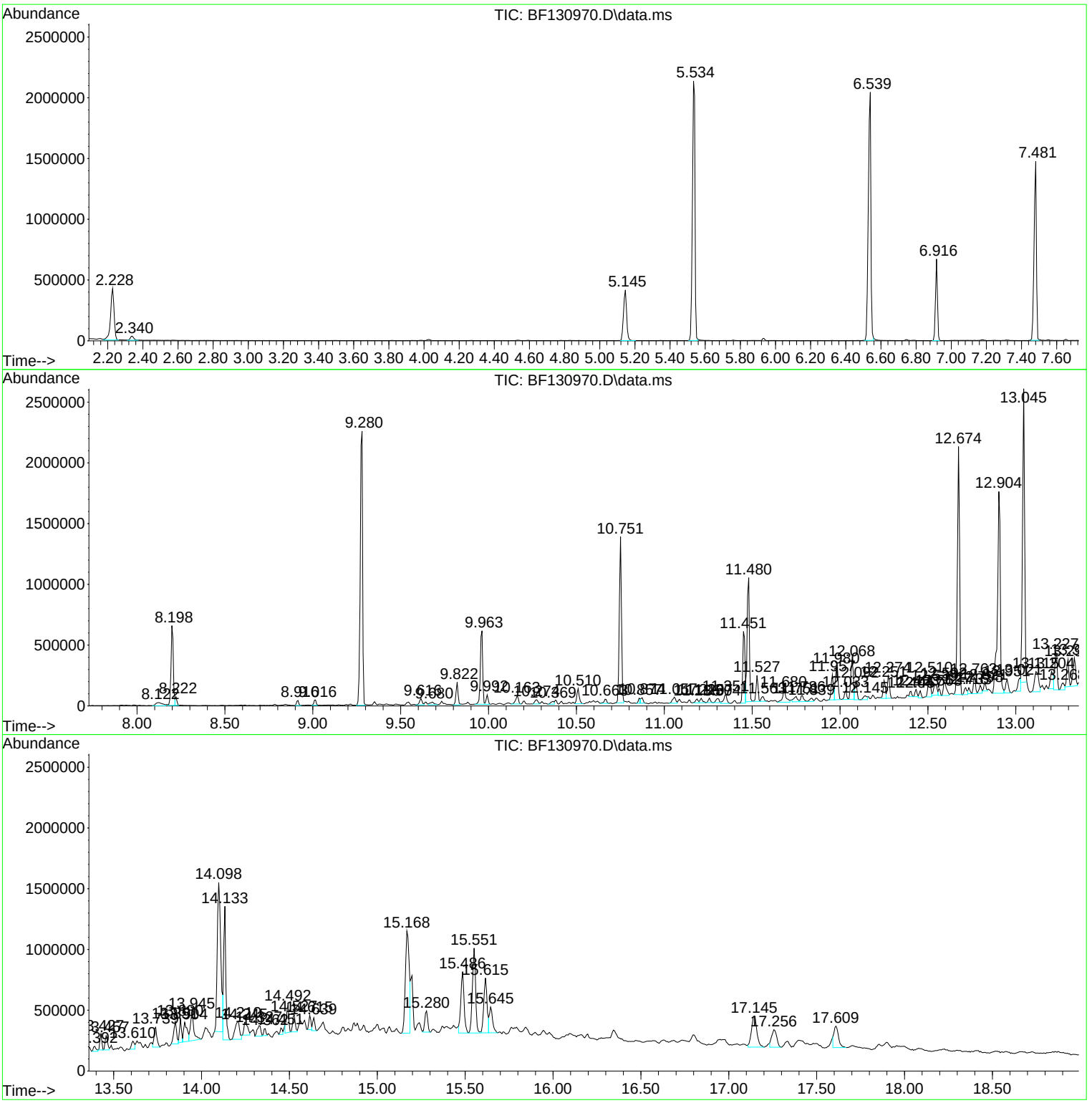
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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\BF110322\
Data File : BF130970.D
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

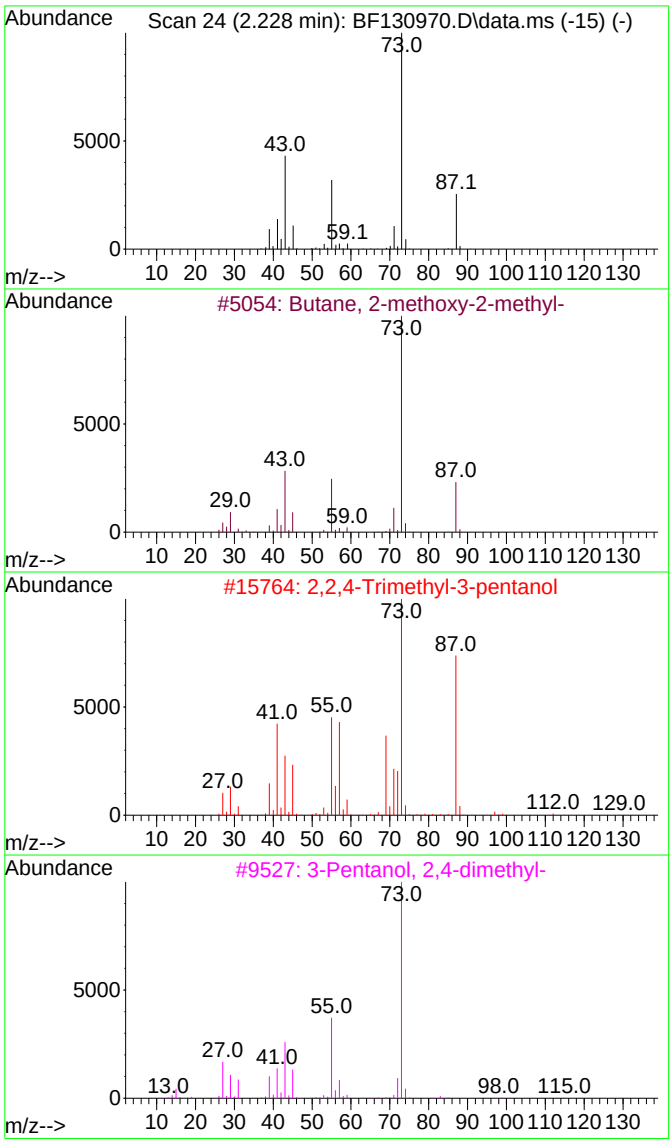
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

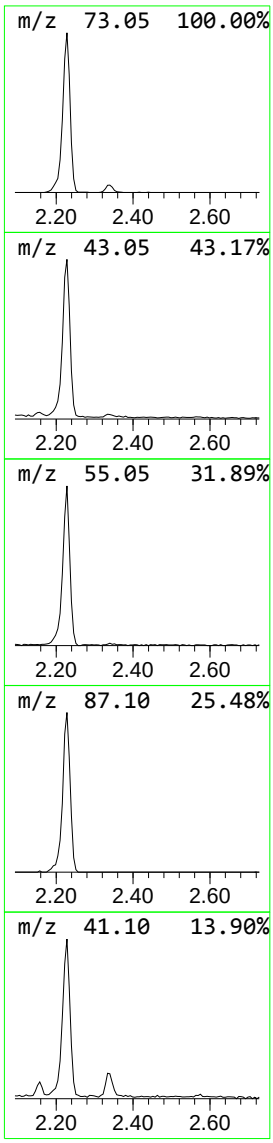
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.228	23.01 ng	584683	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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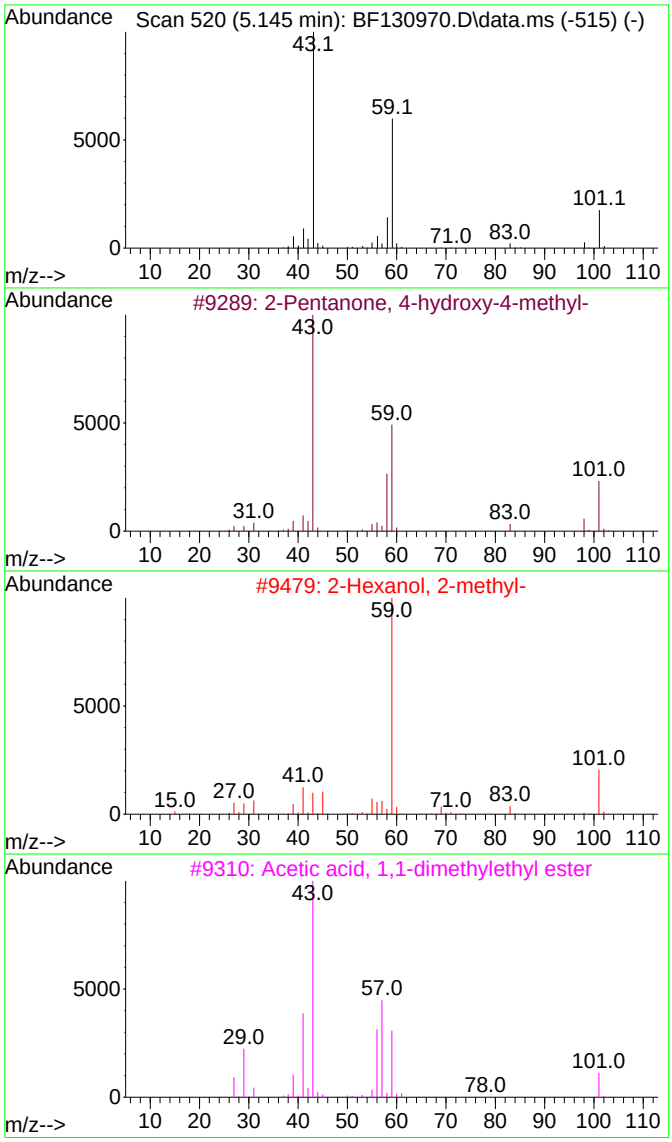
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

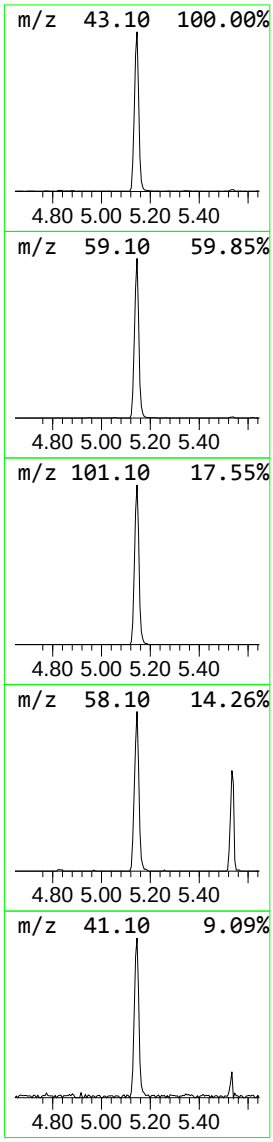
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.145	20.08 ng	510453	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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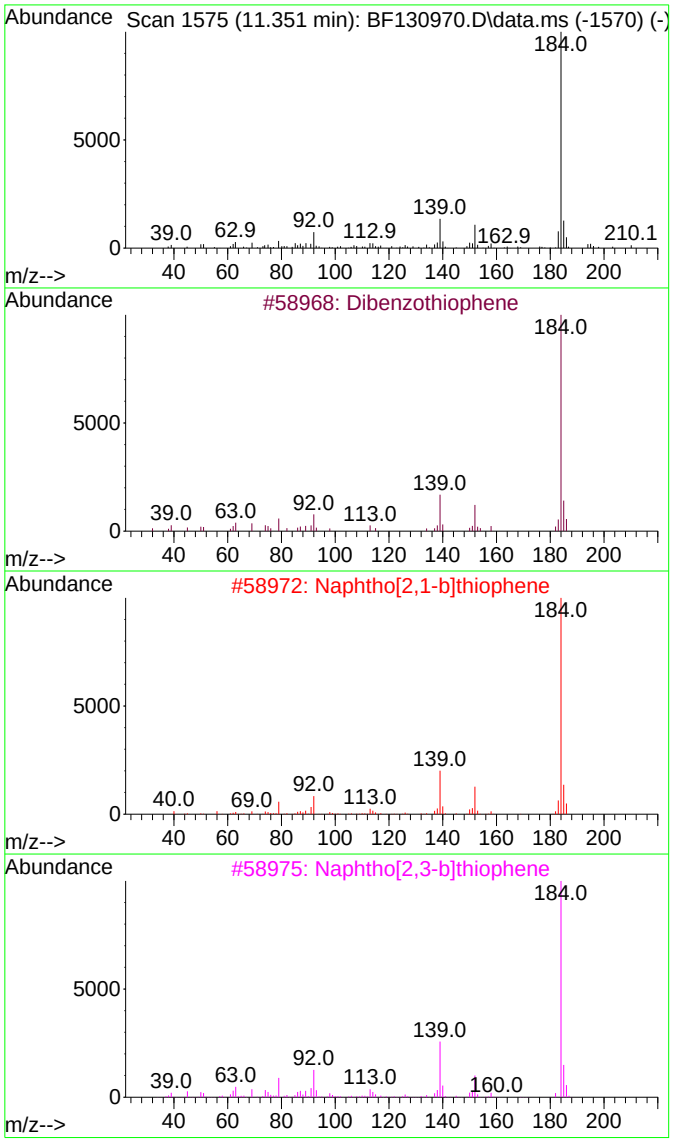
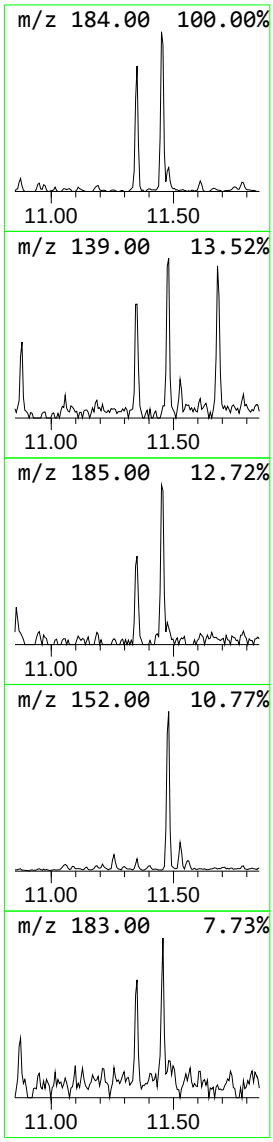
Peak Number 3 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.351	3.37 ng	90560	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91





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Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

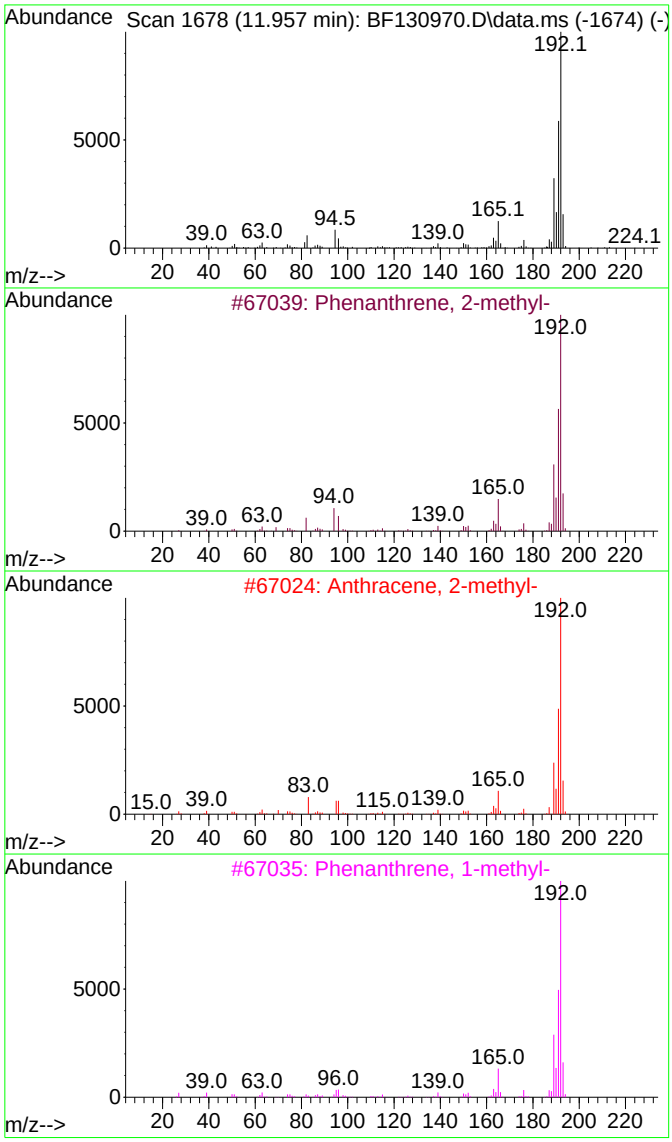
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

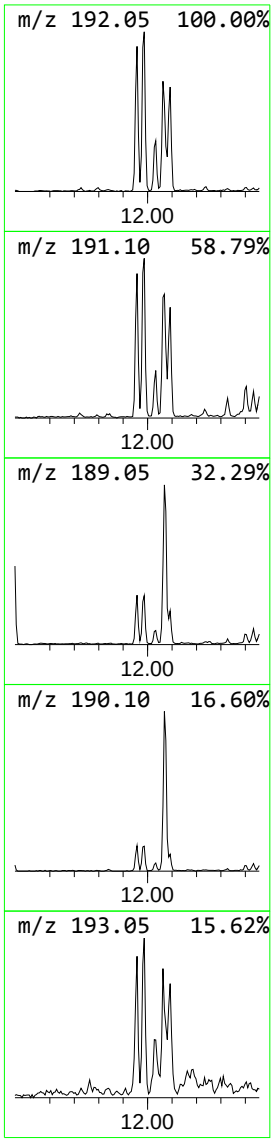
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	7.32 ng	196537	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130970.D
Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

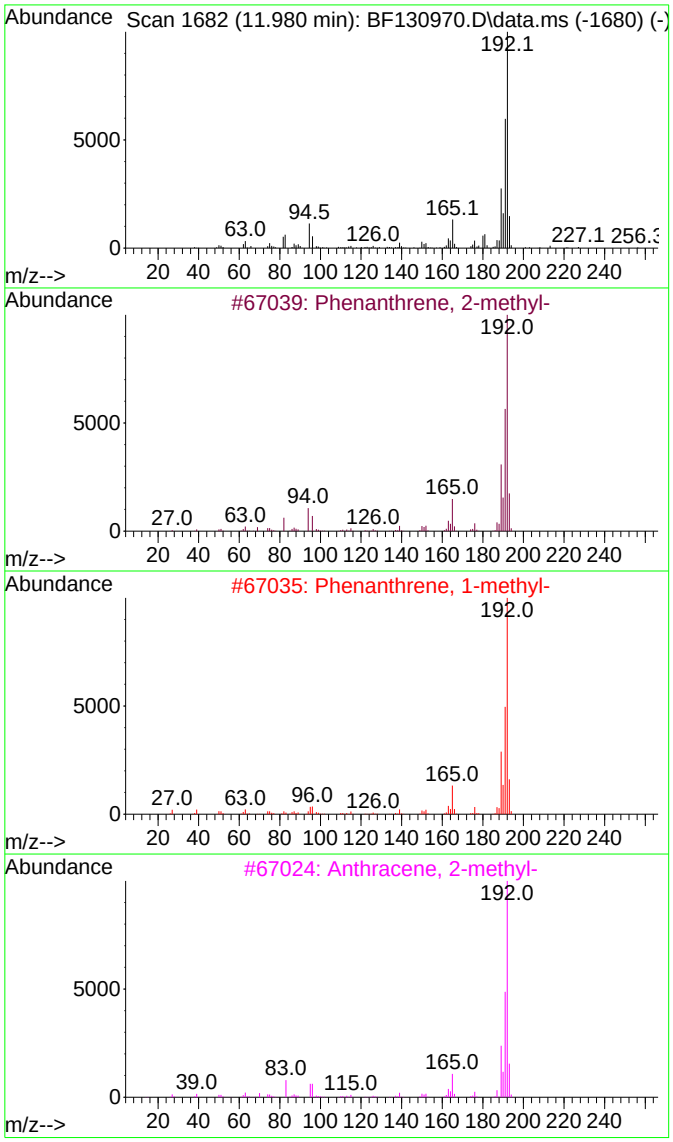
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

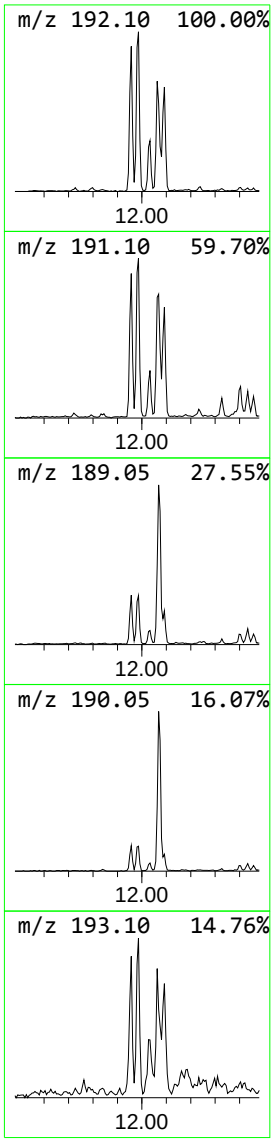
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	10.20 ng	273988	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Operator : CG\JU
Sample : N5396-01
Misc :
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ClientSampleId :
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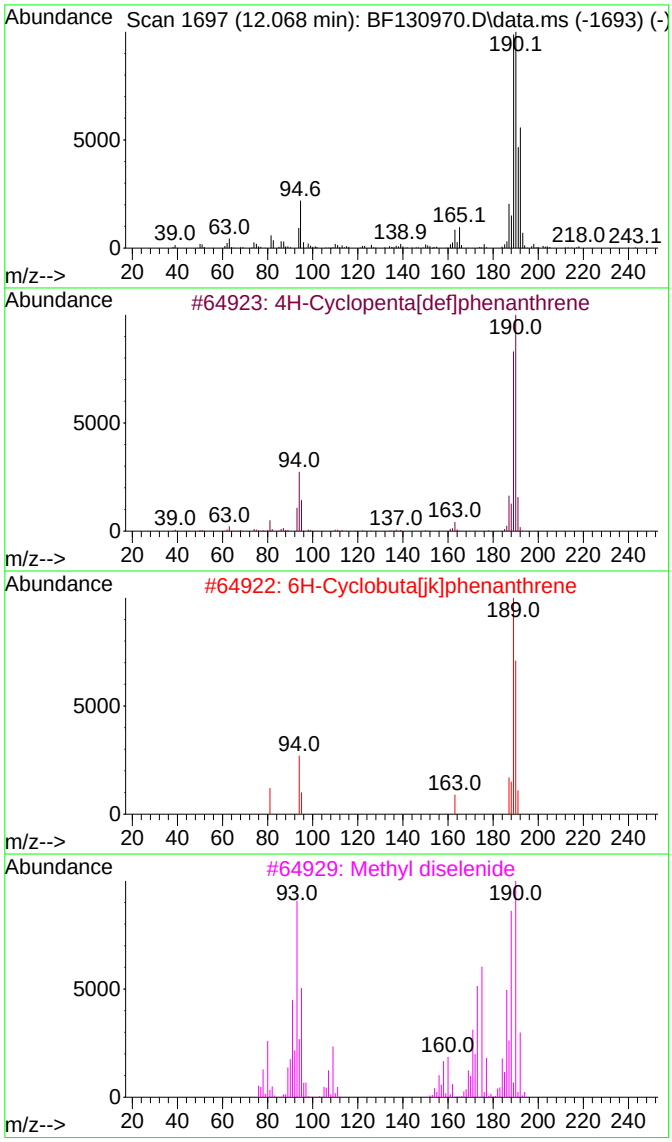
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

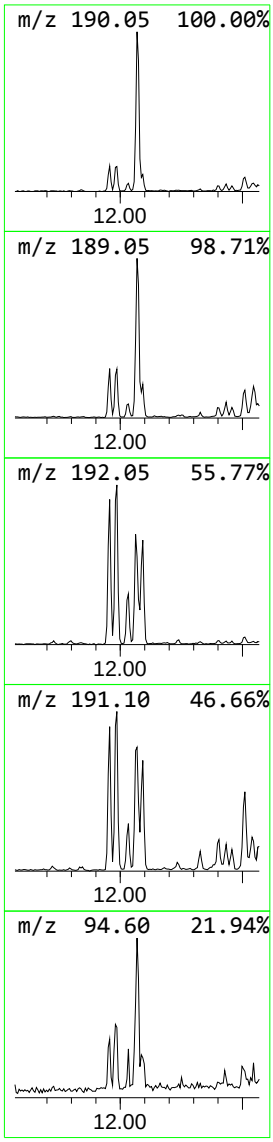
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	12.71 ng	341504	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

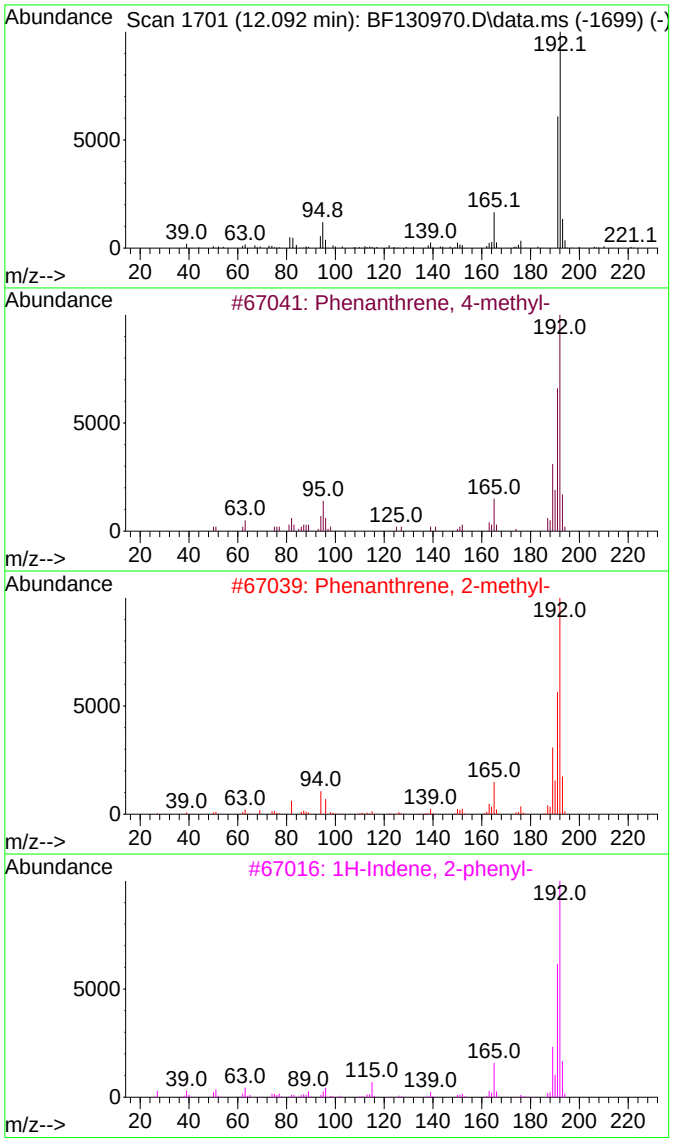
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

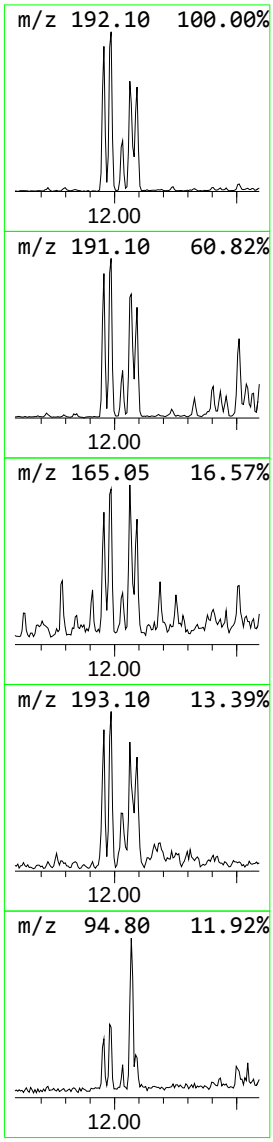
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	4.54 ng	122034	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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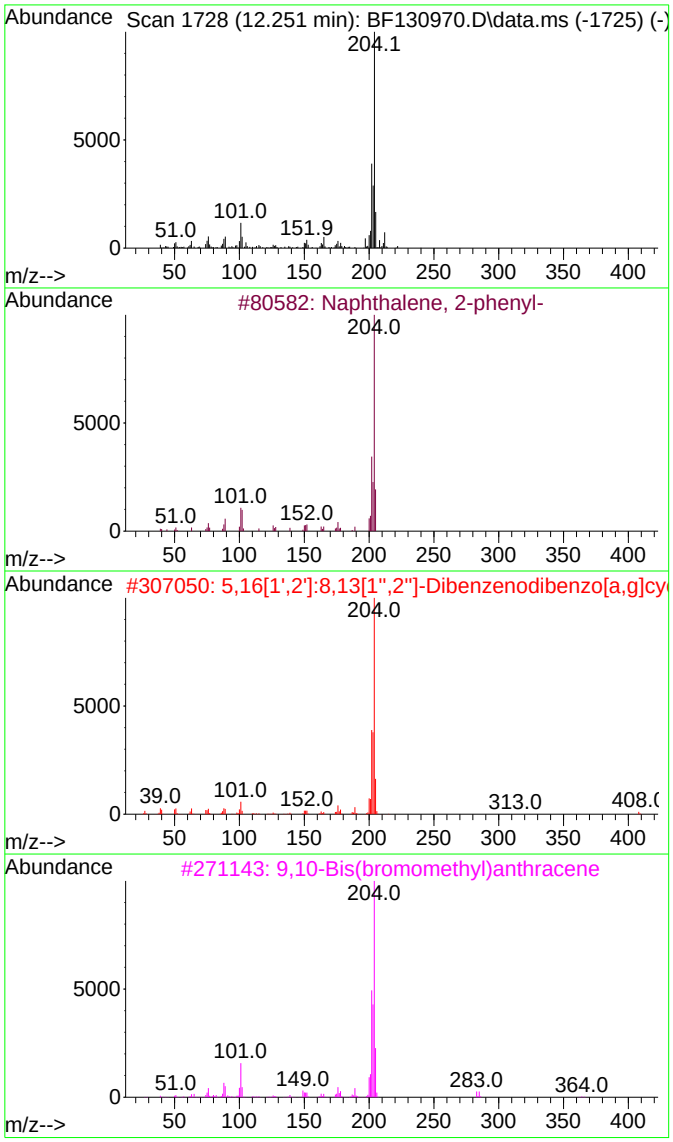
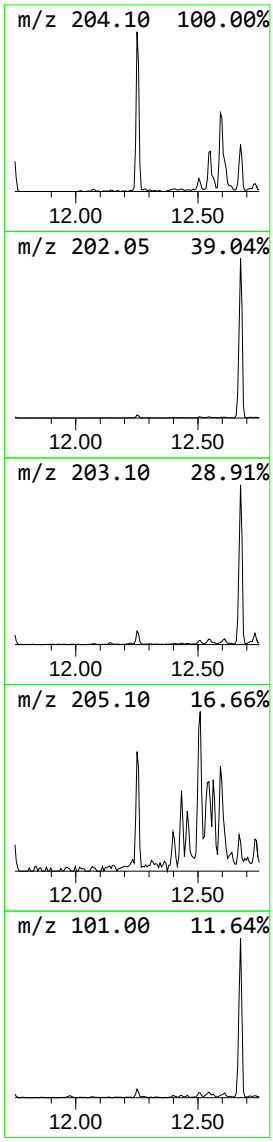
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	4.80 ng	129055	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	55
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52





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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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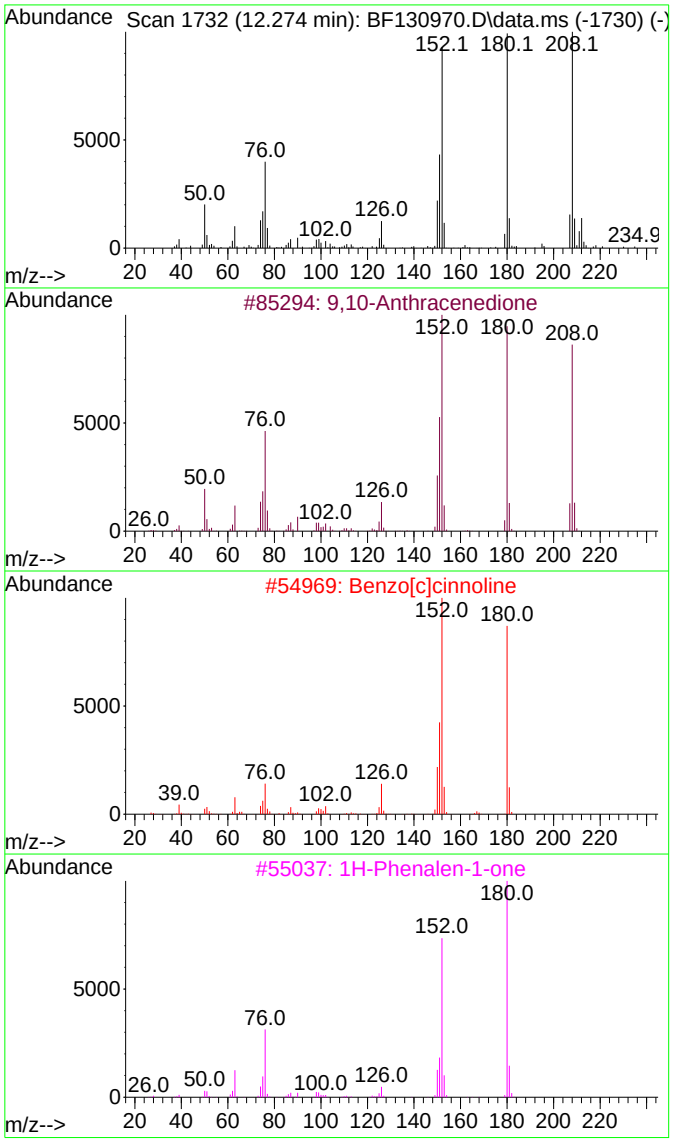
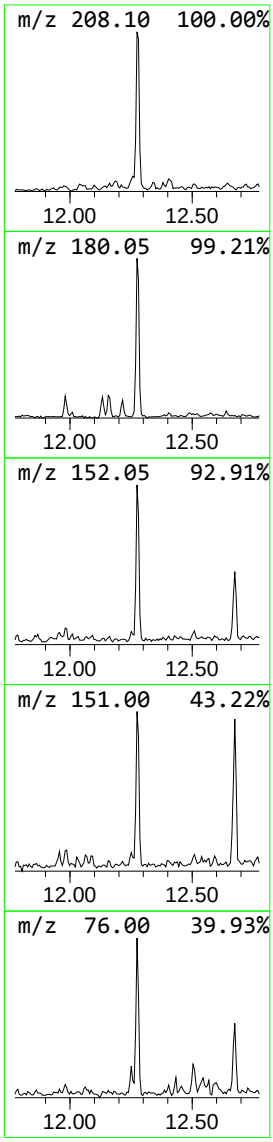
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.274	5.91 ng	158625	Phenanthrene-d10	11.451

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	92
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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

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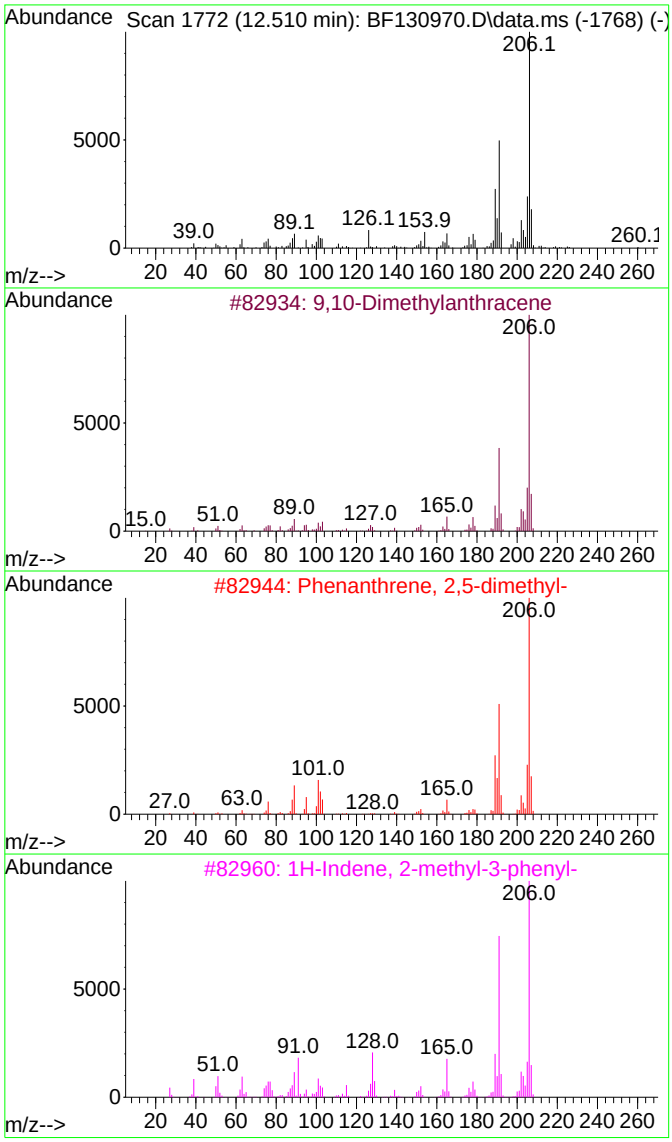
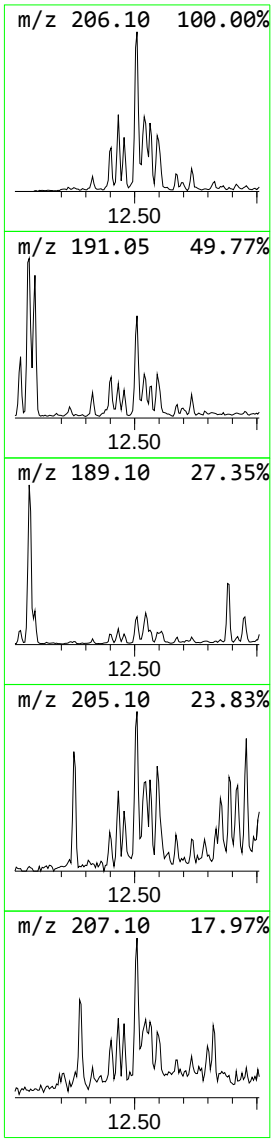
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	6.50 ng	174708	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86





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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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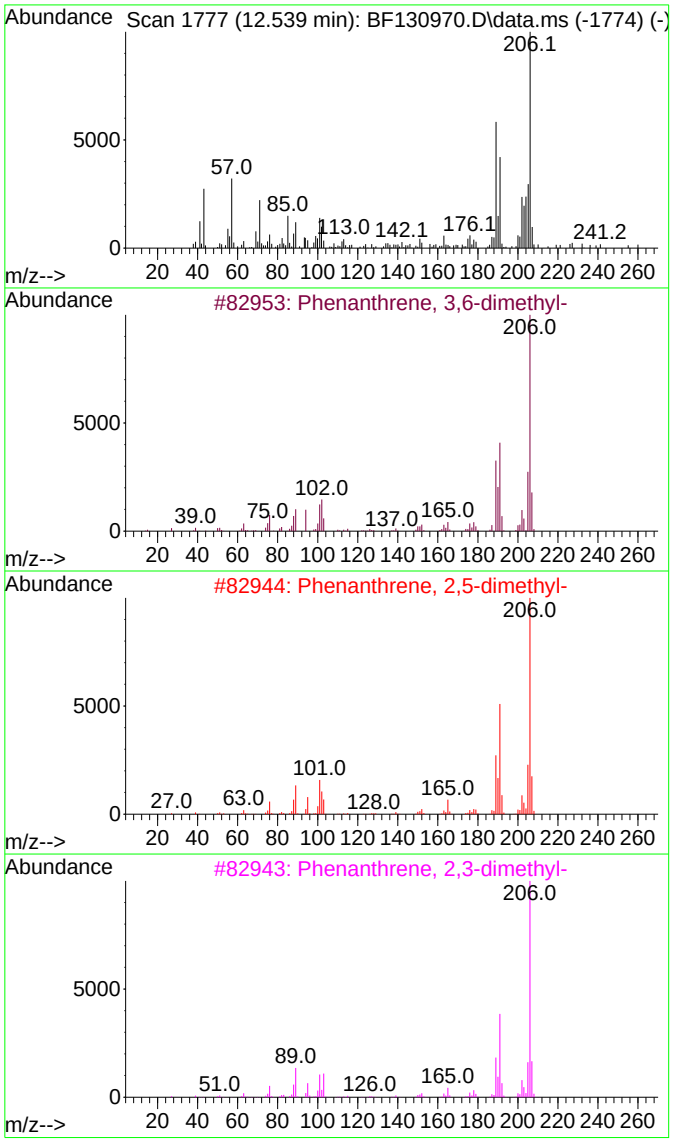
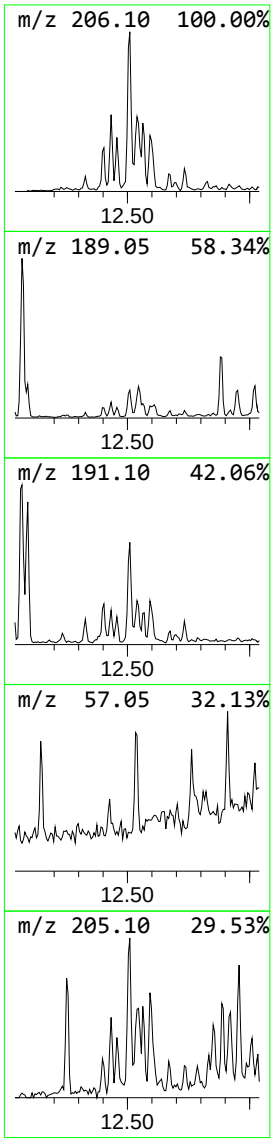
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	4.58 ng	122930	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	53
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	49





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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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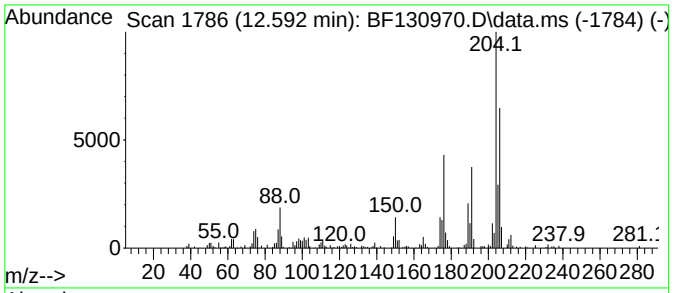
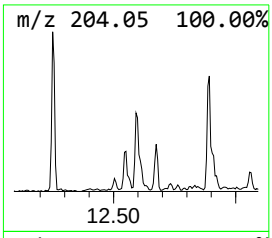
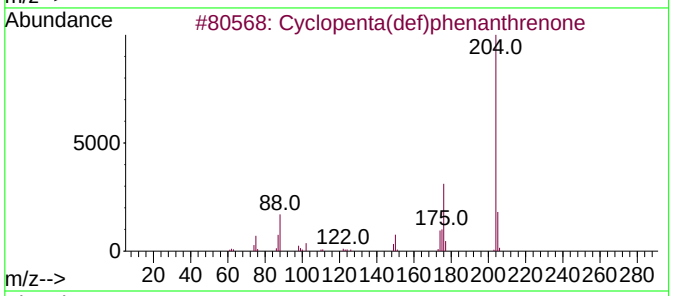
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

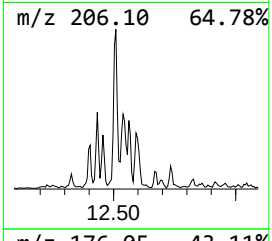
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	5.38 ng	144583	Phenanthrene-d10	11.451

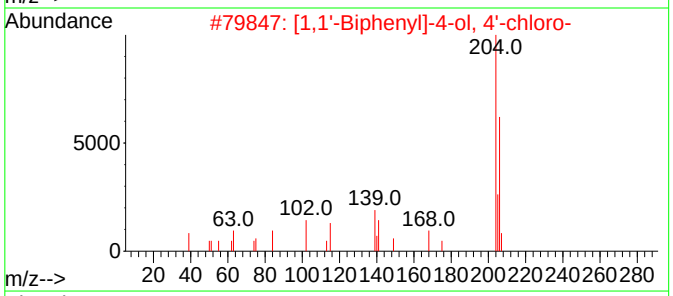
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	35
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30

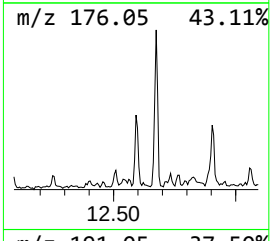


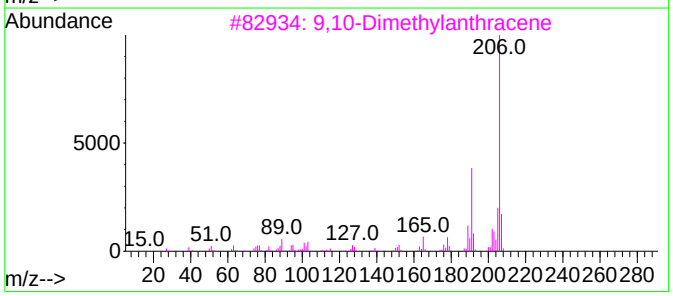


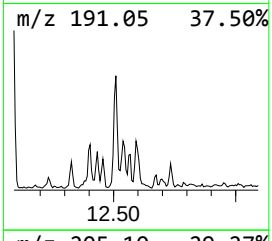


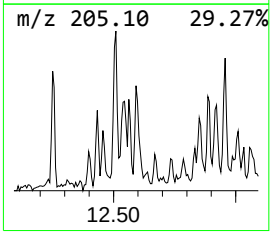












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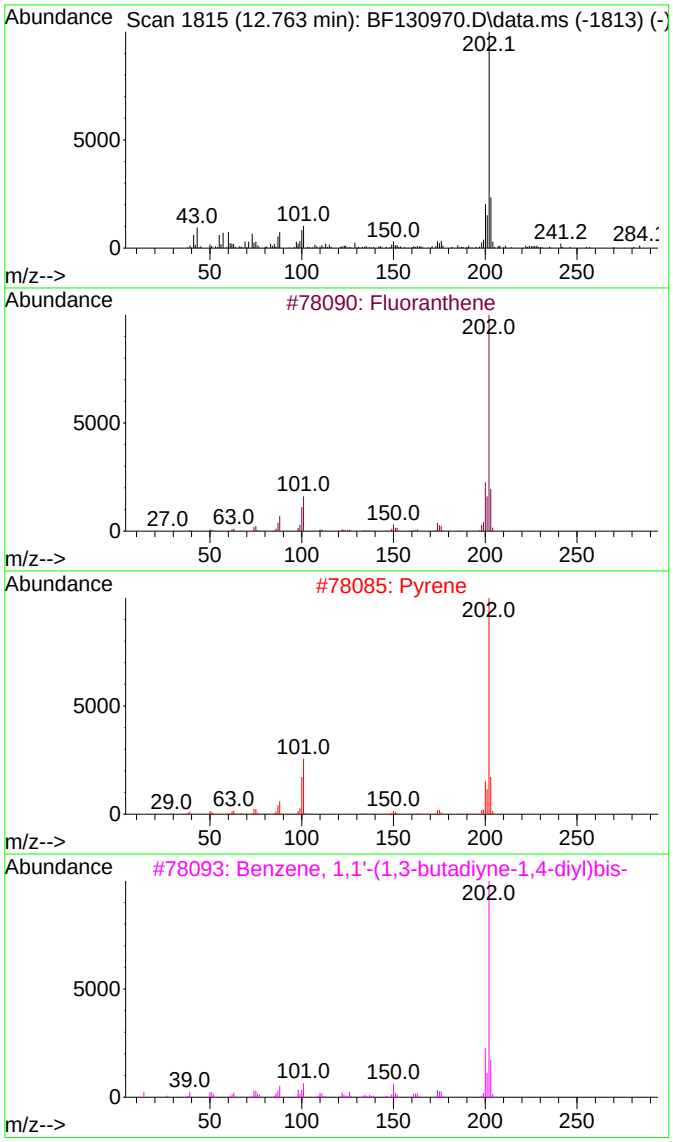
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

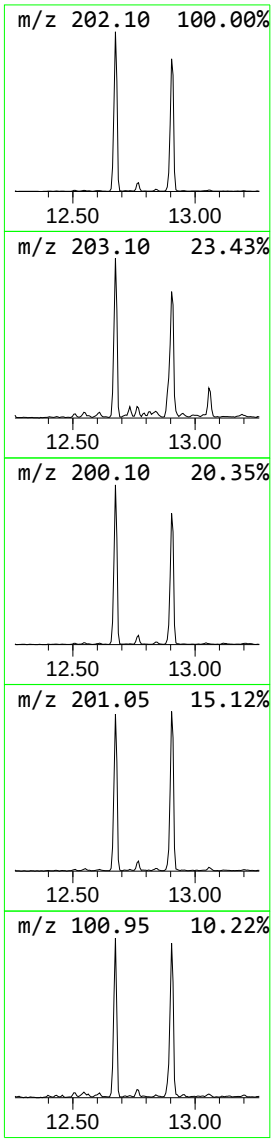
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.762	4.49 ng	120563	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	93
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	55
5	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	53





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TIC Library : C:\Database\NIST20.L
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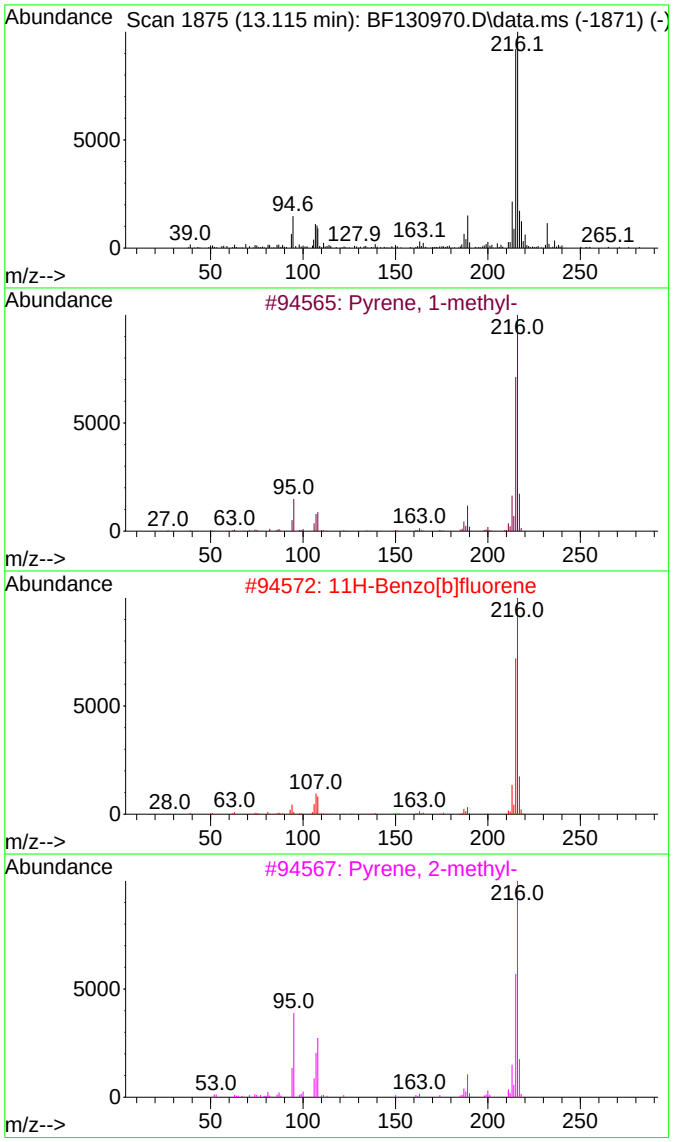
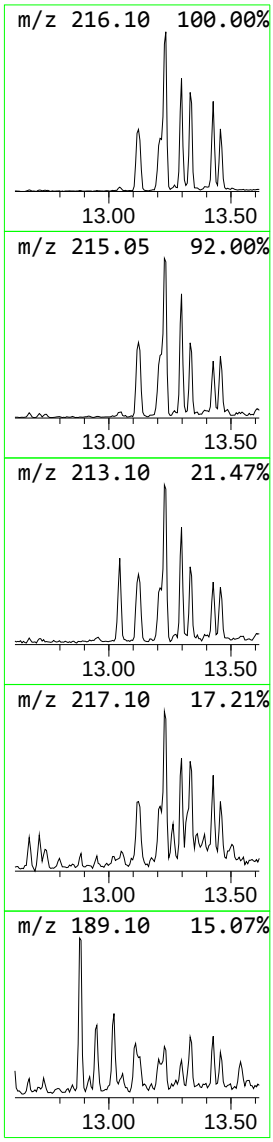
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	3.04 ng	267217	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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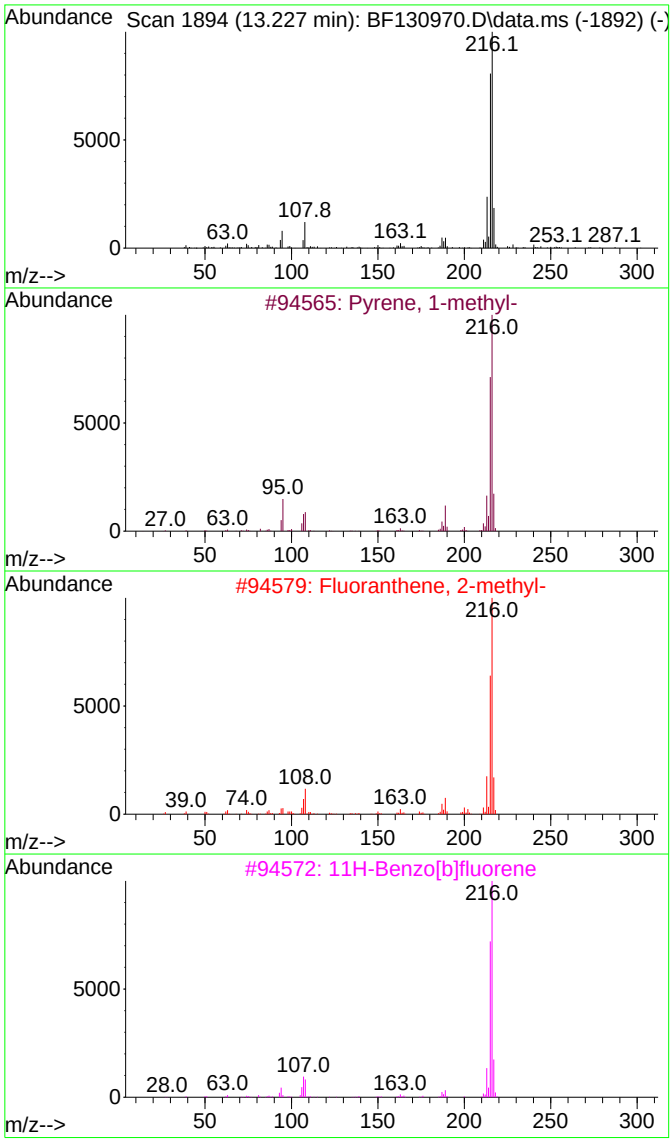
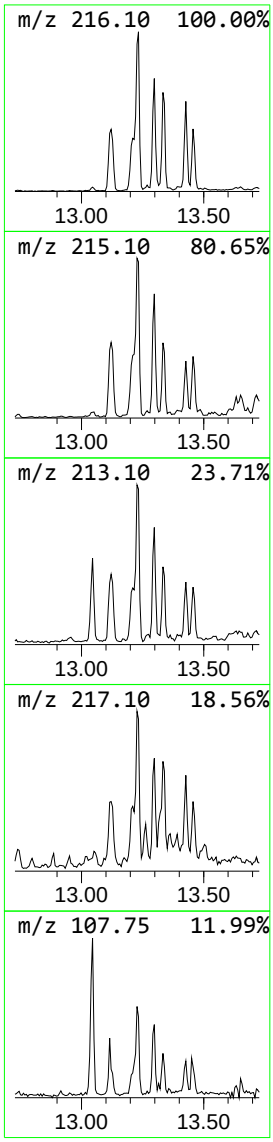
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	3.40 ng	298312	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	53





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Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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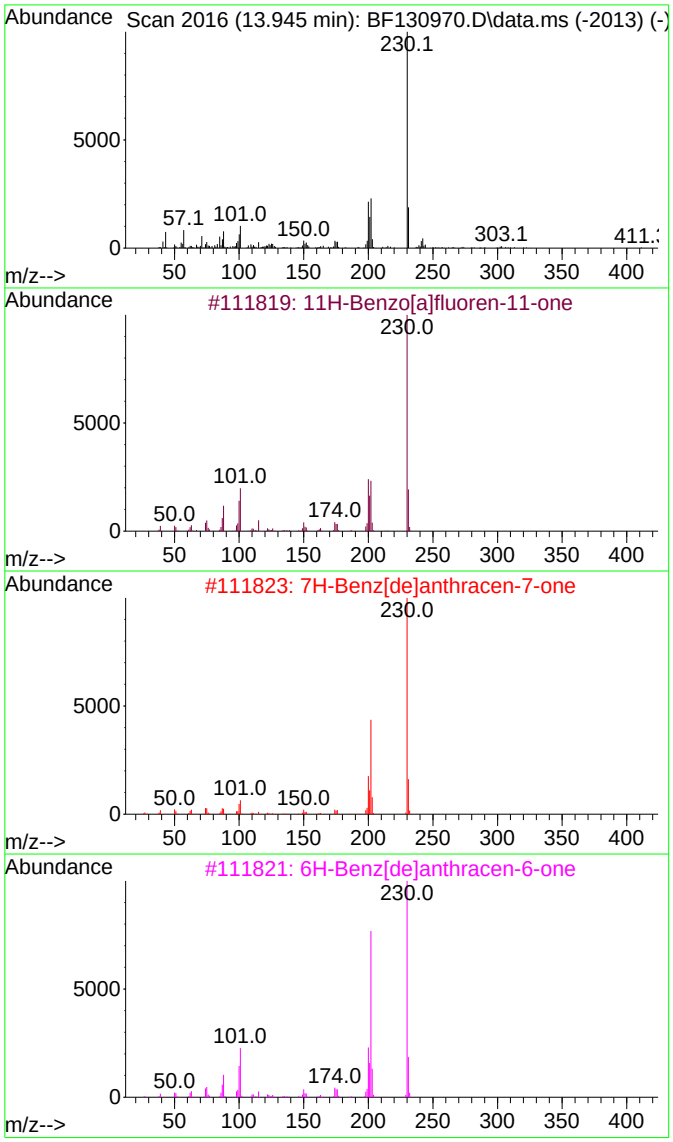
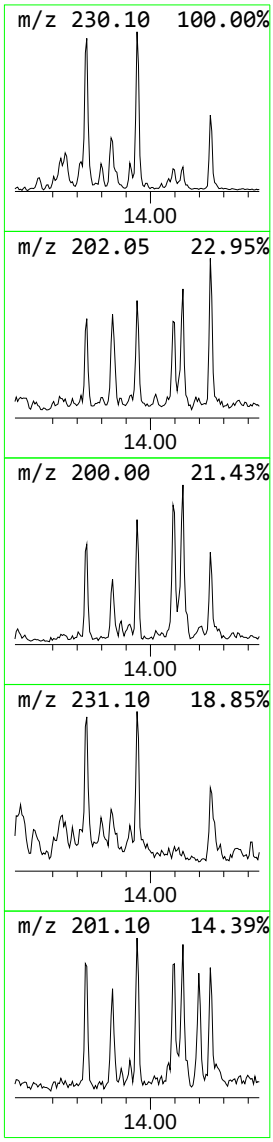
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	3.47 ng	305022	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86
4	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	68
5	o-Terphenyl	230	C18H14	000084-15-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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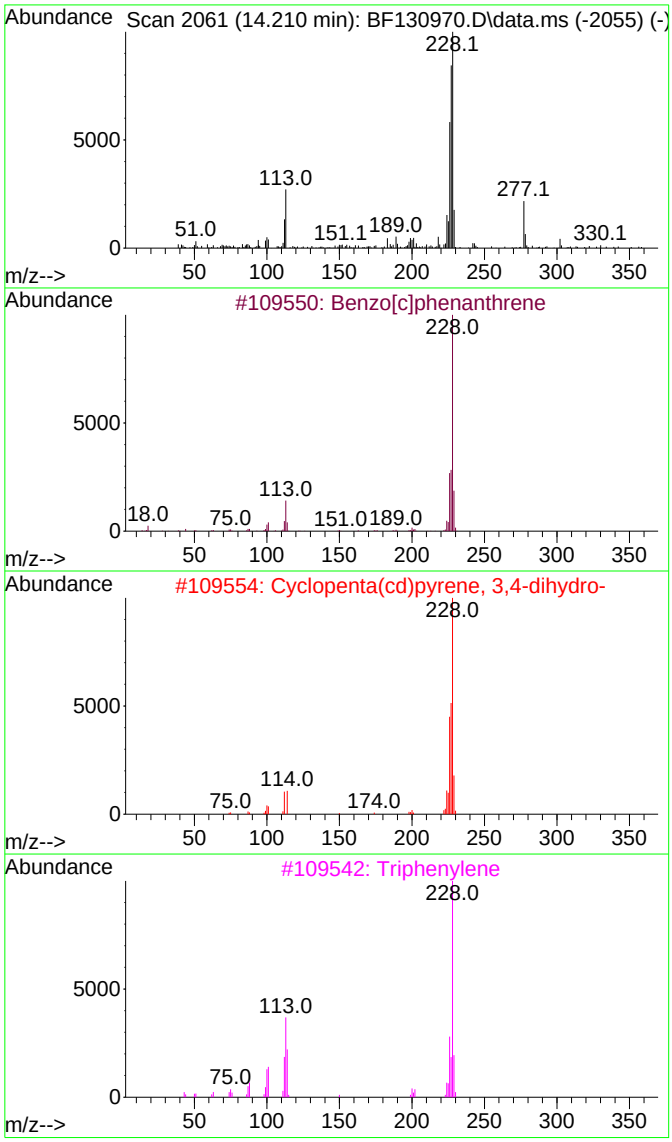
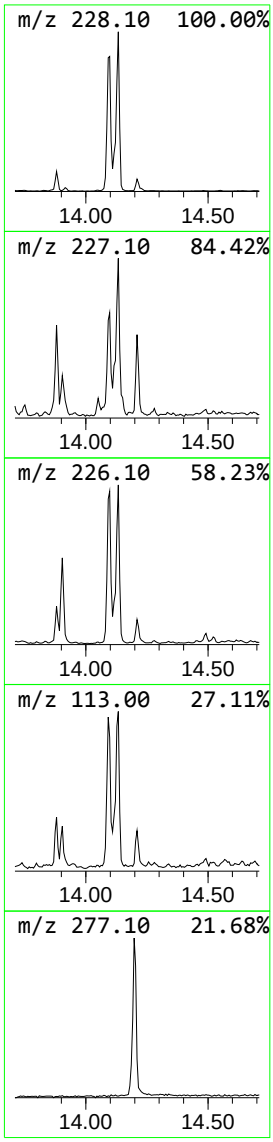
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.210	3.01 ng	263903	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	45
3	Triphenylene	228	C18H12	000217-59-4	38
4	Benz[a]anthracene	228	C18H12	000056-55-3	38
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	32





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Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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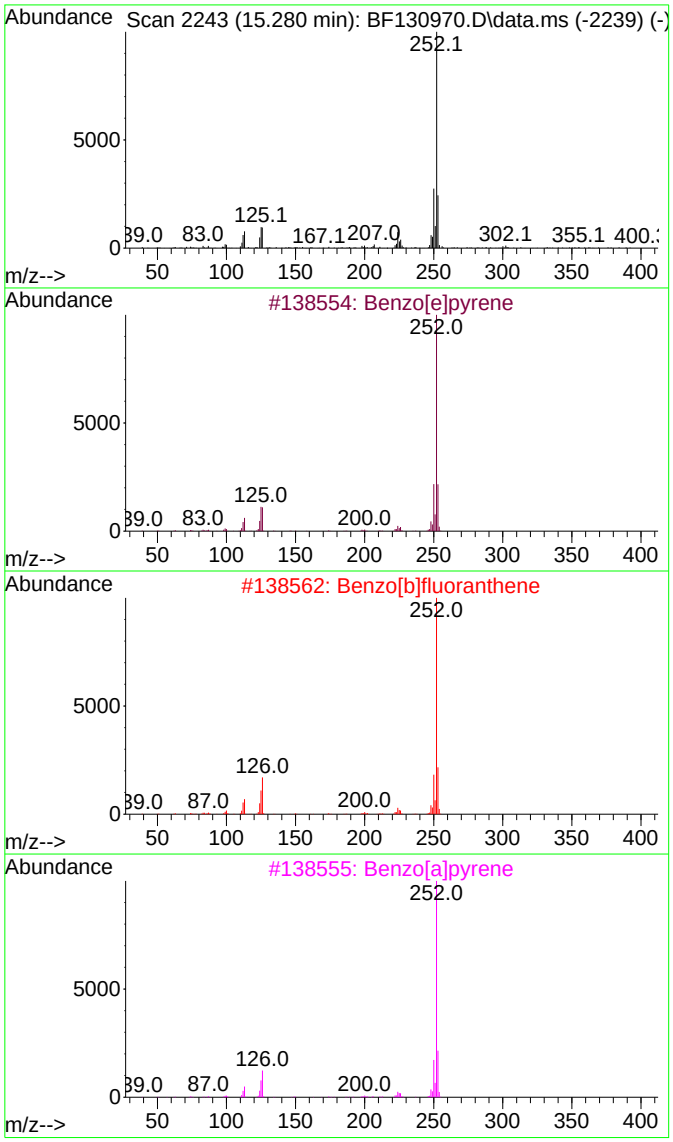
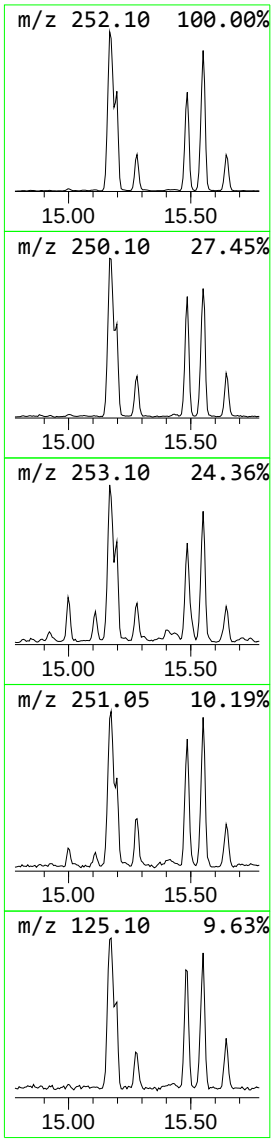
Peak Number 18 Benzo[j]fluoranthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	6.62 ng	197216	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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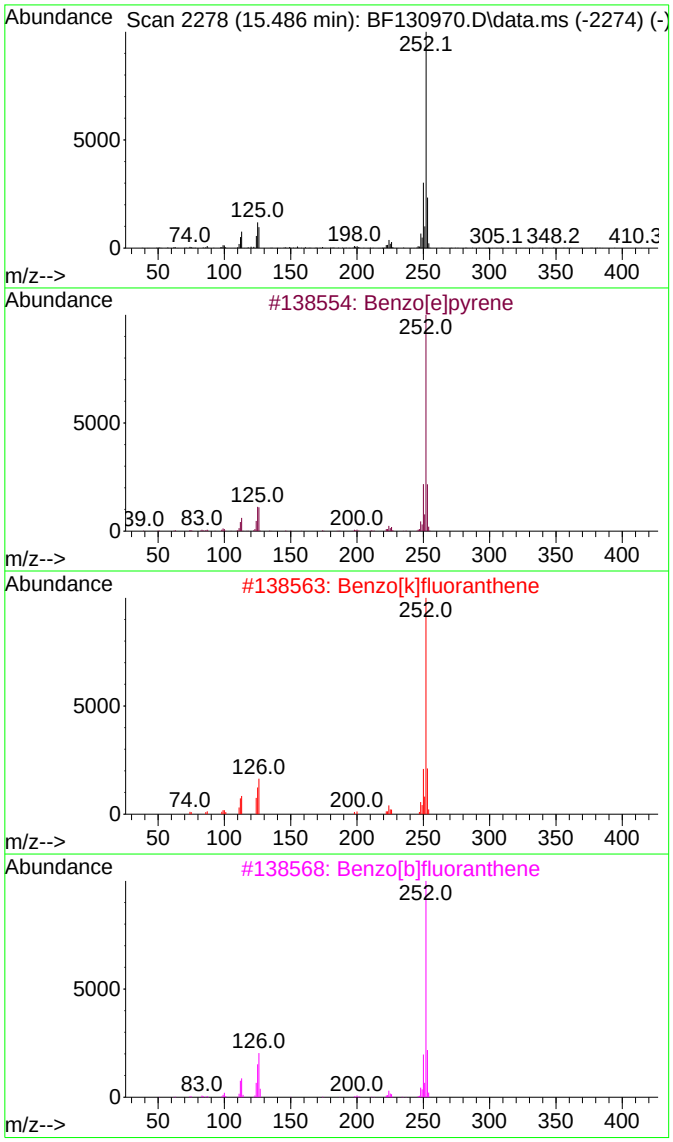
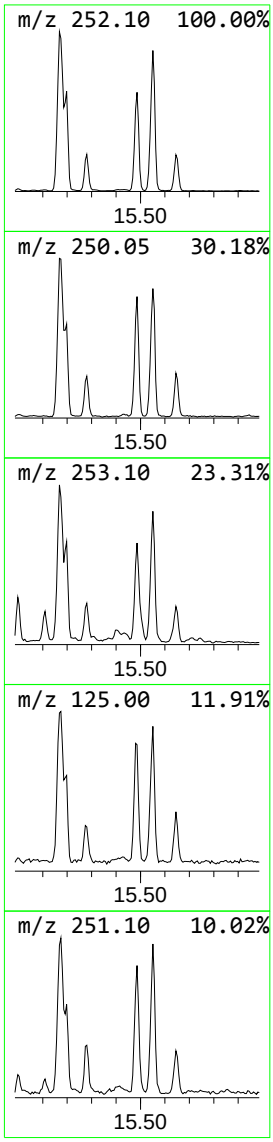
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.486	21.68 ng	646222	Perylene-d12	15.615

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	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130970.D
Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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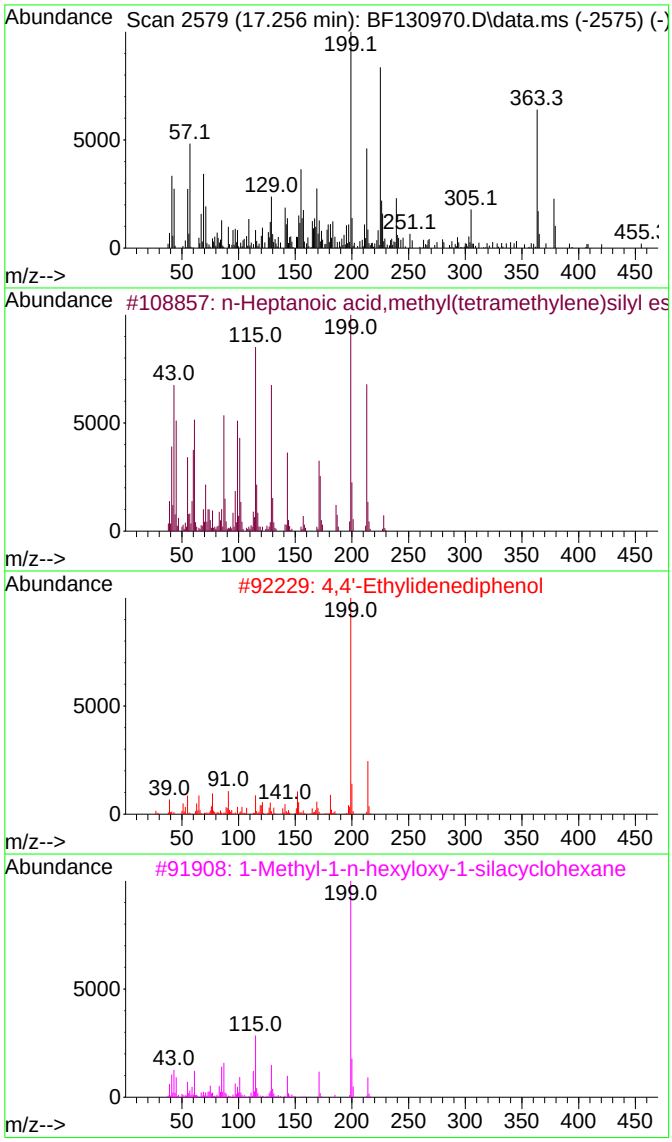
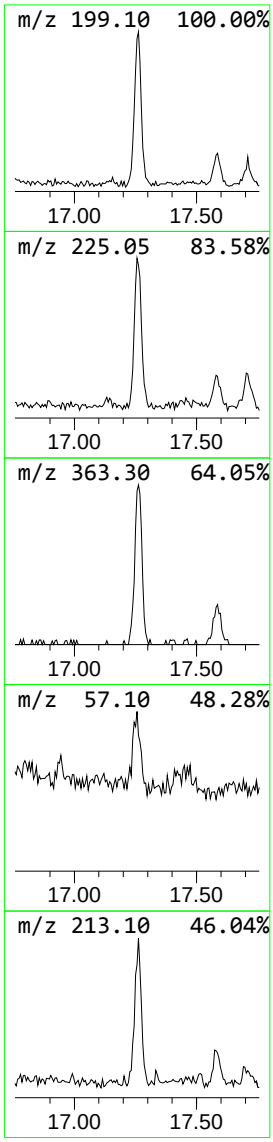
Peak Number 20 n-Heptanoic acid,methyl(tet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.256	9.62 ng	286621	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Heptanoic acid,methyl(tetramet...	228	C12H24O2Si	1000217-03-6	70
2	4,4'-Ethylidenediphenol	214	C14H14O2	002081-08-5	40
3	1-Methyl-1-n-hexyloxy-1-silacycl...	214	C12H26OSi	1000245-78-9	25
4	Murrayanine	225	C14H11NO2	000723-97-7	18
5	Cyclotetrasiloxane, 2,4,6,8-tetr...	240	C4H16O4Si4	002370-88-9	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130970.D
Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.228	23.0	ng	584683	1	6.916	508298	20.0
2-Pentanone, 4-...	5.145	20.1	ng	510453	1	6.916	508298	20.0
Dibenzothiophene	11.351	3.4	ng	90560	4	11.451	537233	20.0
Phenanthrene, 2...	11.957	7.3	ng	196537	4	11.451	537233	20.0
Phenanthrene, 1...	11.980	10.2	ng	273988	4	11.451	537233	20.0
4H-Cyclopenta[d...	12.069	12.7	ng	341504	4	11.451	537233	20.0
Phenanthrene, 4...	12.092	4.5	ng	122034	4	11.451	537233	20.0
Naphthalene, 2-...	12.251	4.8	ng	129055	4	11.451	537233	20.0
9,10-Anthracene...	12.274	5.9	ng	158625	4	11.451	537233	20.0
9,10-Dimethylan...	12.510	6.5	ng	174708	4	11.451	537233	20.0
Phenanthrene, 3...	12.539	4.6	ng	122930	4	11.451	537233	20.0
Cyclopenta(def)...	12.592	5.4	ng	144583	4	11.451	537233	20.0
Benzene, 1,1'-(...	12.762	4.5	ng	120563	4	11.451	537233	20.0
Pyrene, 1-methyl-	13.116	3.0	ng	267217	5	14.104	1755720	20.0
Fluoranthene, 2...	13.227	3.4	ng	298312	5	14.104	1755720	20.0
11H-Benzo[a]flu...	13.945	3.5	ng	305022	5	14.104	1755720	20.0
Benzo[c]phenant...	14.210	3.0	ng	263903	5	14.104	1755720	20.0
Benzo[j]fluoran...	15.280	6.6	ng	197216	6	15.615	596027	20.0
Benzo[e]pyrene	15.486	21.7	ng	646222	6	15.615	596027	20.0
n-Heptanoic aci...	17.256	9.6	ng	286621	6	15.615	596027	20.0