LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

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-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131143.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	16	rVB	271021	326412	3.83%	0.364%
2	5.504	577	581	590	rVB	885432	800544	9.39%	0.893%
3	6.516	749	753	758	rBV	811206	740449	8.69%	0.826%
4	6.886	813	816	820	rVB	448805	394323	4.63%	0.440%
5	7.451	909	912	915	rBV	546337	453756	5.32%	0.506%
6	8.175	1032	1035	1037	rVV	523985	469503	5.51%	0.524%
7	8.192	1037	1038	1041	rVV	334368	262158	3.08%	0.293%
8	8.886	1153	1156	1159	rVB	349763	274760	3.22%	0.307%
9	8.986	1168	1173	1177	rBV	432694	379084	4.45%	0.423%
10	9.251	1214	1218	1221	rVB	773929	689710	8.09%	0.770%
11	9.516	1258	1263	1267	rVV2	218860	298185	3.50%	0.333%
12	9.586	1272	1275	1278	rBV	345194	361203	4.24%	0.403%
13	9.792	1307	1310	1314	rBV	354624	316975	3.72%	0.354%
14	9.933	1332	1334	1337	rVV	516800	403714	4.74%	0.450%
15	9.969	1337	1340	1343	rVV	1394517	1093427	12.83%	1.220%
16	10.139	1365	1369	1372	rVV	858180	762707	8.95%	0.851%
17	10.245	1384	1387	1390	rBV2	159411	182485	2.14%	0.204%
18	10.486	1424	1428	1433	rVB	1809452	1647348	19.33%	1.838%
19	10.569	1440	1442	1445	rVB3	232349	197044	2.31%	0.220%
20	10.639	1452	1454	1458	rVB	365742	297012	3.49%	0.331%
21	10.727	1465	1469	1472	rVV	724637	780072	9.15%	0.870%
22	10.845	1488	1489	1495	rVB2	158574	173872	2.04%	0.194%
23	11.033	1515	1521	1524	rBV2	424885	525220	6.16%	0.586%
24	11.063	1524	1526	1529	rVV2	243176	216172	2.54%	0.241%
25	11.116	1532	1535	1538	rVB	230815	196483	2.31%	0.219%
26	11.157	1538	1542	1544	rBV3	157949	203650	2.39%	0.227%
27	11.180	1544	1546	1548	rVV3	181267	181651	2.13%	0.203%
28	11.280	1559	1563	1566	rVV3	236336	291810	3.42%	0.326%
29	11.327	1566	1571	1576	rVB	734372	705522	8.28%	0.787%
30	11.433	1585	1589	1590	rBV	381267	417271	4.90%	0.466%
31	11.474	1590	1596	1598	rVV	5131204	6775032	79.50%	7.560%
32	11.516	1598	1603	1605	rVV	2841896	2415830	28.35%	2.696%
33	11.539	1605	1607	1610	rVV	338819	326806	3.83%	0.365%
34	11.586	1612	1615	1620	rVV3	113452	173751	2.04%	0.194%
35	11.663	1624	1628	1633	rVV	932227	981595	11.52%	1.095%
36	11.727	1637	1639	1642	rVV3	234566	231927	2.72%	0.259%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

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-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.763	1642	1645	1649	rVV2	338784	335840	3.94%	0.375%
38	11.845	1656	1659	1663	rVB	203732	218785	2.57%	0.244%
39	11.933	1670	1674	1677	rBV	1053278	1046077	12.27%	1.167%
40	11.963	1677	1679	1683	rVB	1462138	1251402	14.68%	1.396%
41	12.016	1683	1688	1690	rBV	584851	617070	7.24%	0.689%
42	12.051	1690	1694	1696	rVV2	1959994	2202240	25.84%	2.457%
43	12.068	1696	1697	1702	rVB	735655	572508	6.72%	0.639%
44	12.116	1702	1705	1707	rBV2	202326	188166	2.21%	0.210%
45	12.227	1721	1724	1727	rVV	775480	721401	8.46%	0.805%
46	12.263	1727	1730	1733	rVB	358238	327289	3.84%	0.365%
47	12.410	1752	1755	1757	rBV	306207	221730	2.60%	0.247%
48	12.433	1757	1759	1763	rVB	252087	206855	2.43%	0.231%
49	12.486	1764	1768	1771	rBV	632618	732149	8.59%	0.817%
50	12.527	1771	1775	1780	rVB4	396057	641688	7.53%	0.716%
51	12.586	1780	1785	1788	rBV2	305010	404845	4.75%	0.452%
52	12.674	1793	1800	1802	rBV	5476365	8304035	97.44%	9.266%
53	12.715	1805	1807	1810	rVB	264234	216264	2.54%	0.241%
54	12.804	1817	1822	1826	rBV	504805	565311	6.63%	0.631%
55	12.910	1831	1840	1842	rBV2	4875508	8522498	100.00%	9.510%
56	12.933	1842	1844	1848	rVB2	539642	485130	5.69%	0.541%
57	13.004	1848	1856	1857	rBV	539430	673980	7.91%	0.752%
58	13.021	1857	1859	1861	rVV	671603	512624	6.01%	0.572%
59	13.045	1861	1863	1866	rVB	434998	380522	4.46%	0.425%
60	13.098	1867	1872	1876	rBV2	571765	995339	11.68%	1.111%
61	13.186	1884	1887	1889	rBV4	500830	614001	7.20%	0.685%
62	13.215	1889	1892	1895	rVB	1430184	1349042	15.83%	1.505%
63	13.280	1899	1903	1906	rBV	1433846	1374876	16.13%	1.534%
64	13.321	1906	1910	1912	rVV2	745000	899609	10.56%	1.004%
65	13.410	1922	1925	1928	rBV	436001	397266	4.66%	0.443%
66	13.439	1928	1930	1933	rBV	439721	395322	4.64%	0.441%
67	13.615	1957	1960	1961	rVV2	189718	223253	2.62%	0.249%
68	13.633	1961	1963	1966	rVV	253847	238457	2.80%	0.266%
69	13.692	1970	1973	1976	rBV	253634	325811	3.82%	0.364%
70	13.721	1976	1978	1982	rVB2	300872	326236	3.83%	0.364%
71	13.833	1993	1997	1999	rBV	582602	605647	7.11%	0.676%
72	13.862	1999	2002	2004	rVV	656090	612827	7.19%	0.684%
73	13.886	2004	2006	2012	rVV3	538539	939600	11.02%	1.048%
74	13.933	2012	2014	2017	rVB	271970	249576	2.93%	0.278%
75	14.004	2024	2026	2032	rVB	190204	230246	2.70%	0.257%
76	14.086	2032	2040	2043	rBV2	2635774	4452768	52.25%	4.969%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

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-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.127	2043	2047	2052	rVB	2837102	3084691	36.19%	3.442%
78	14.198	2056	2059	2062	rVV	835615	799956	9.39%	0.893%
79	14.233	2063	2065	2070	rVV4	284955	438372	5.14%	0.489%
80	14.280	2071	2073	2075	rVV	253605	212997	2.50%	0.238%
81	14.315	2075	2079	2082	rVV2	315354	445249	5.22%	0.497%
82	14.433	2096	2099	2101	rVV2	278503	264717	3.11%	0.295%
83	14.474	2101	2106	2109	rVV	650416	785336	9.21%	0.876%
84	14.509	2109	2112	2115	rVB2	292494	263003	3.09%	0.293%
85	14.604	2125	2128	2129	rVV	298685	249437	2.93%	0.278%
86	14.621	2129	2131	2135	rVB2	419642	377085	4.42%	0.421%
87	14.668	2135	2139	2146	rVB4	279639	513148	6.02%	0.573%
88	14.798	2158	2161	2163	rBV	210937	231802	2.72%	0.259%
89	14.980	2189	2192	2199	rVB	214182	300879	3.53%	0.336%
90	15.162	2216	2223	2226	rBV	1907181	3719260	43.64%	4.150%
91	15.262	2237	2240	2244	rVB	530240	565583	6.64%	0.631%
92	15.474	2270	2276	2282	rVB	1091099	1681765	19.73%	1.877%
93	15.545	2282	2288	2292	rVV	1831763	2602792	30.54%	2.904%
94	15.592	2293	2296	2299	rVV	225627	315326	3.70%	0.352%
95	15.633	2299	2303	2309	rVB2	674795	914921	10.74%	1.021%
96	16.174	2392	2395	2400	rVB	151162	185857	2.18%	0.207%
97	17.139	2550	2559	2564	rVB2	682603	1491765	17.50%	1.665%
98	17.303	2583	2587	2592	rVB	129686	221445	2.60%	0.247%
99	17.609	2630	2639	2652	rVB	425158	1131436	13.28%	1.262%
100	17.839	2673	2678	2684	rBV2	147881	296430	3.48%	0.331%

Sum of corrected areas: 89619000

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
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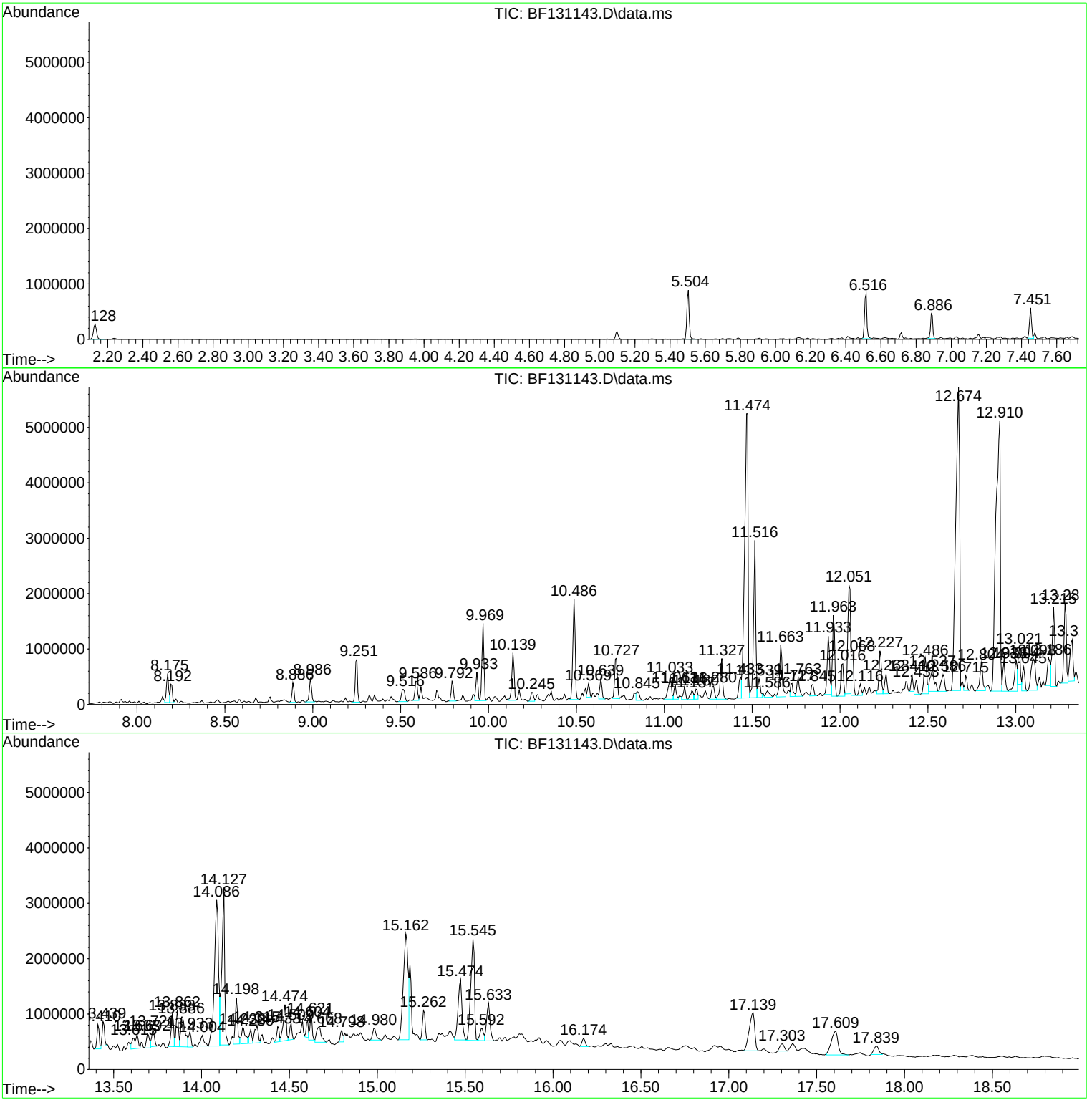
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

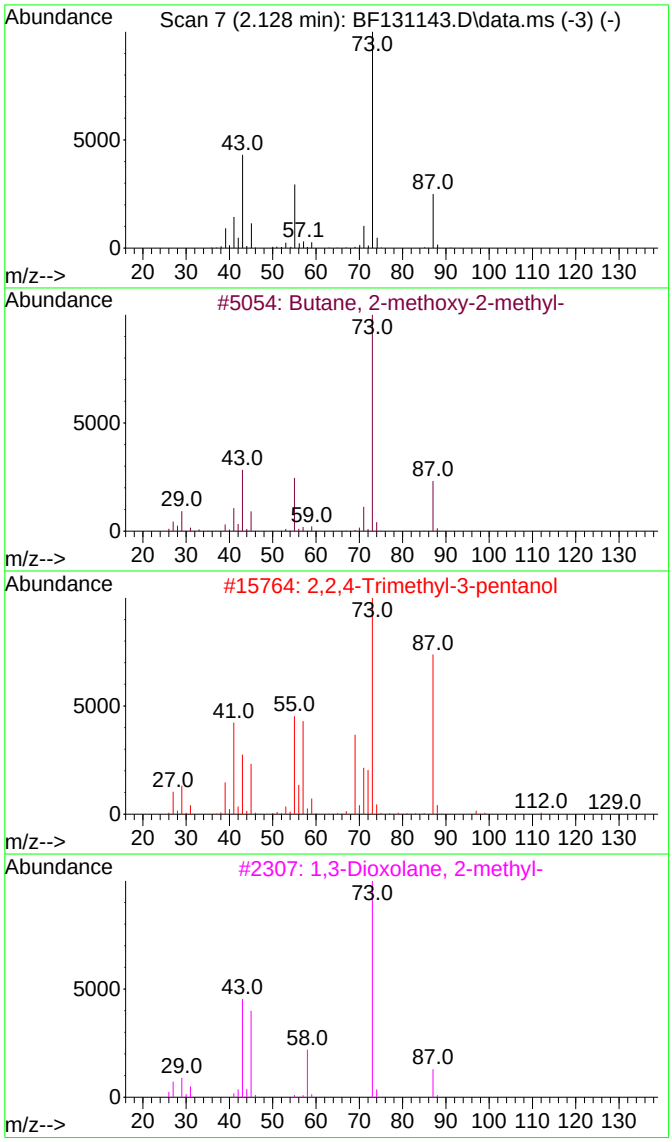
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

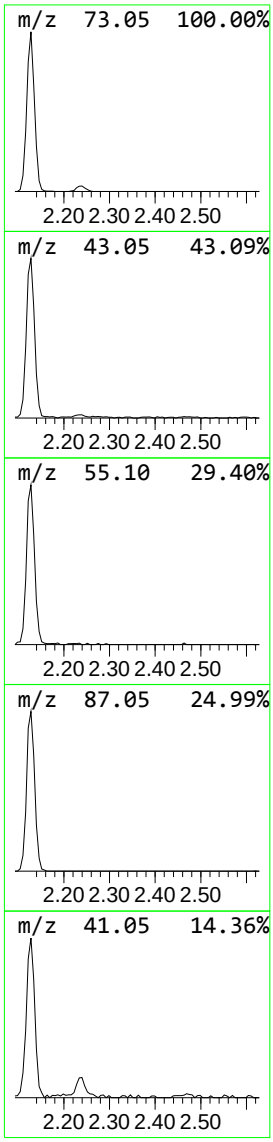
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	16.56 ng	326412	1,4-Dichlorobenzene-d4	6.892

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	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

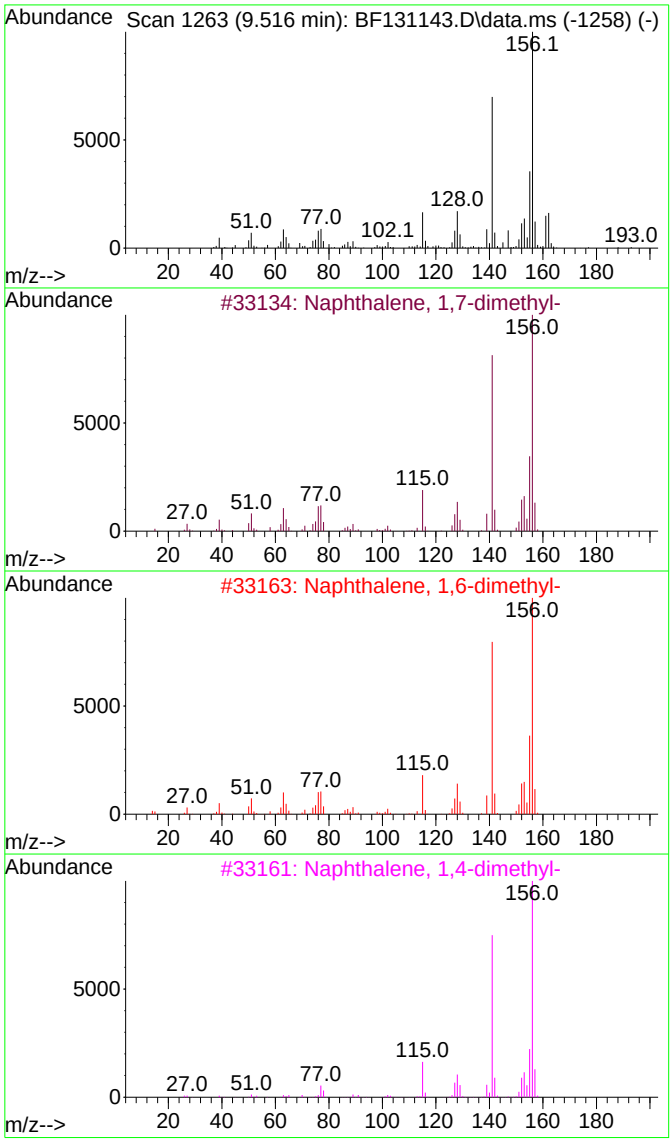
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

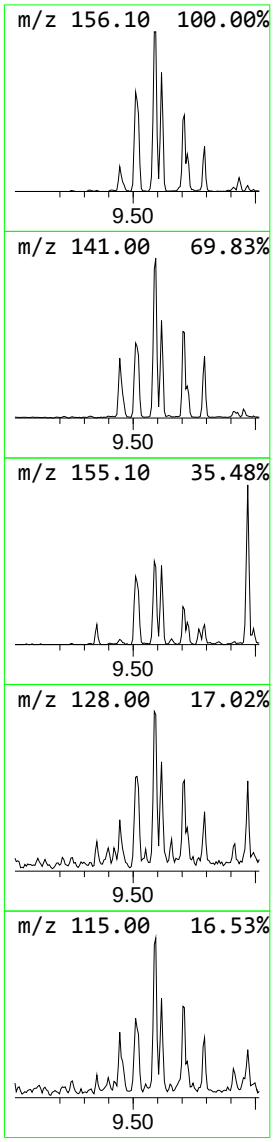
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	14.77 ng	298185	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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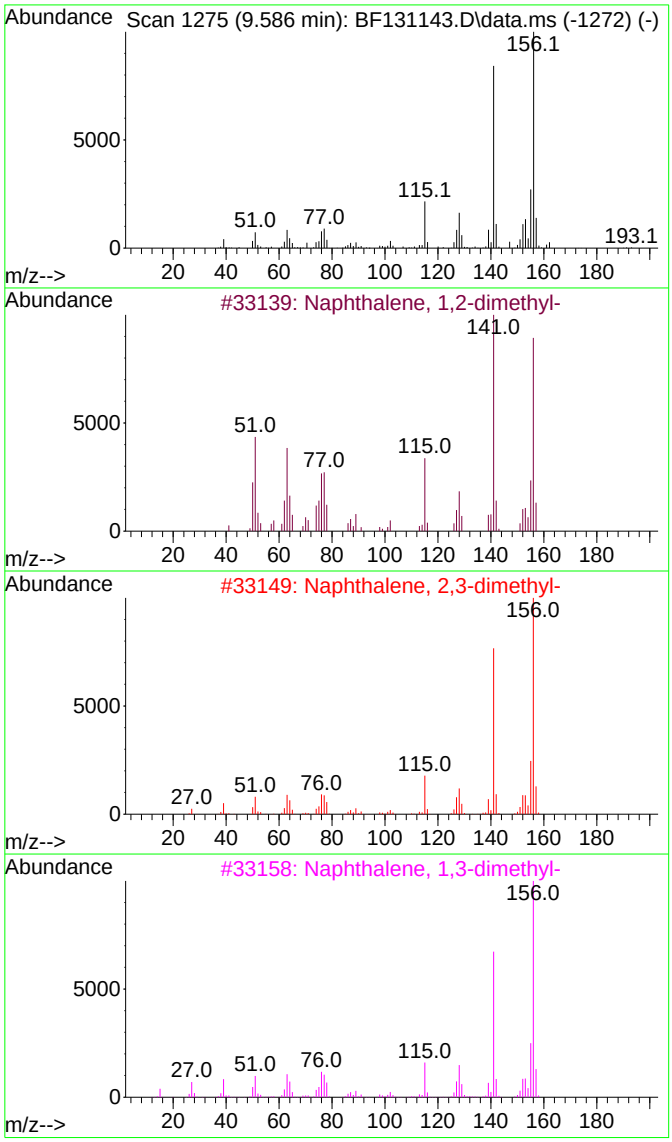
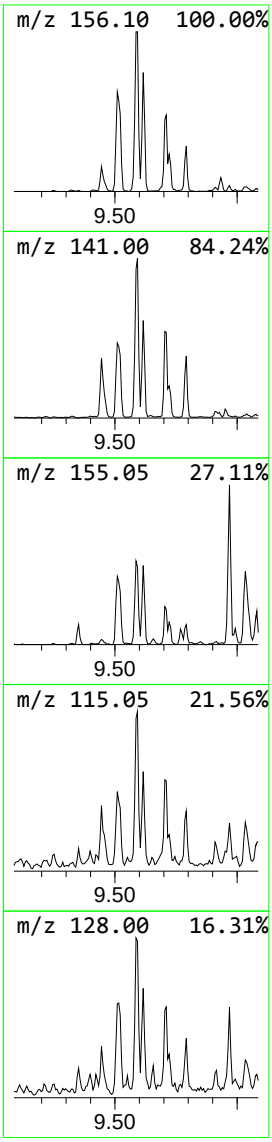
Peak Number 3 Naphthalene, 1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.586	17.89 ng	361203	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

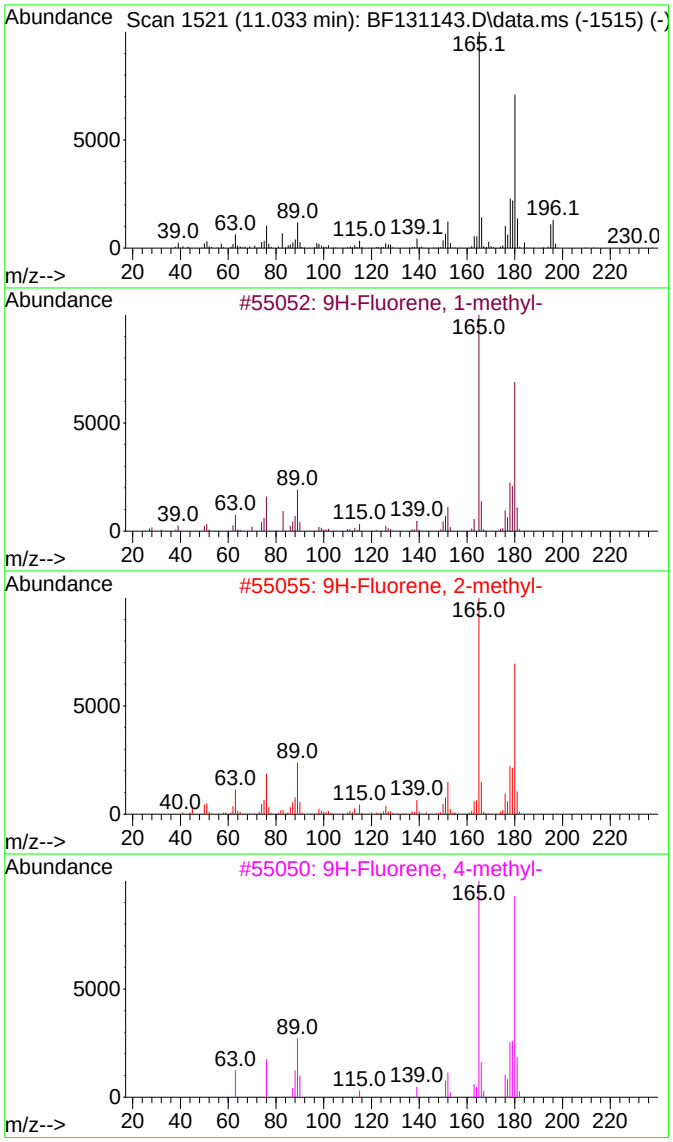
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

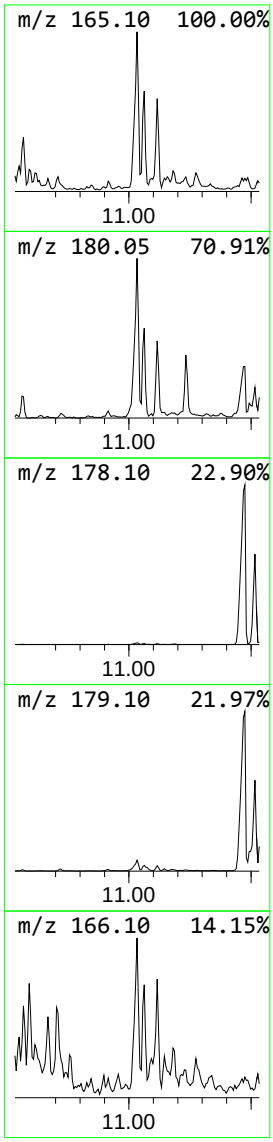
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.033	25.17 ng	525220	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

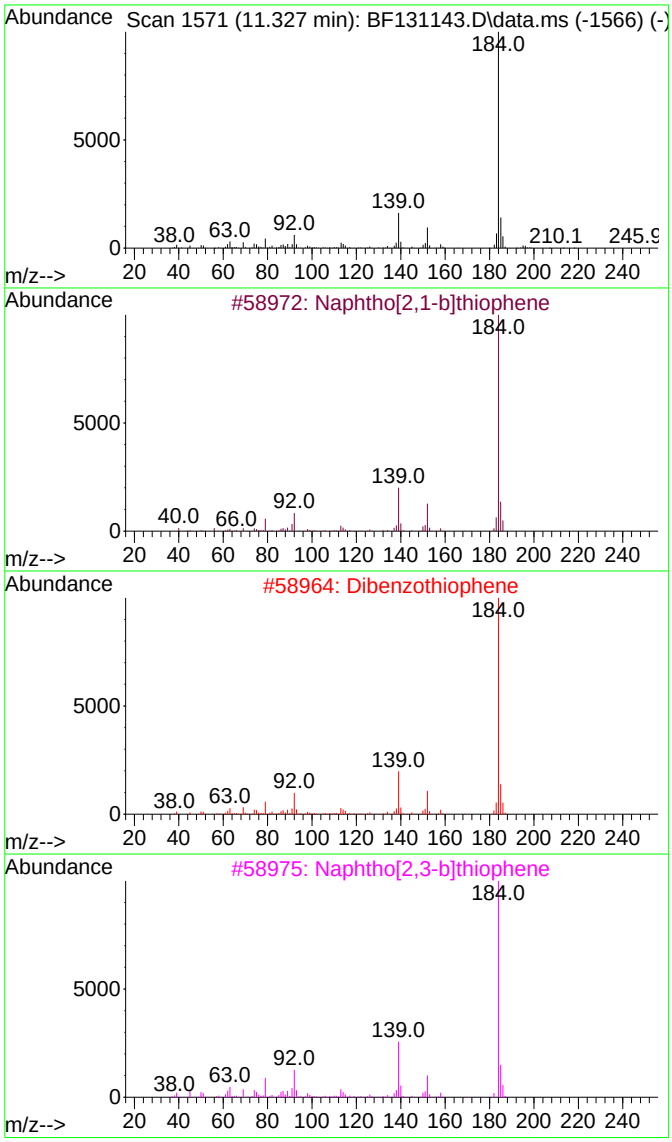
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

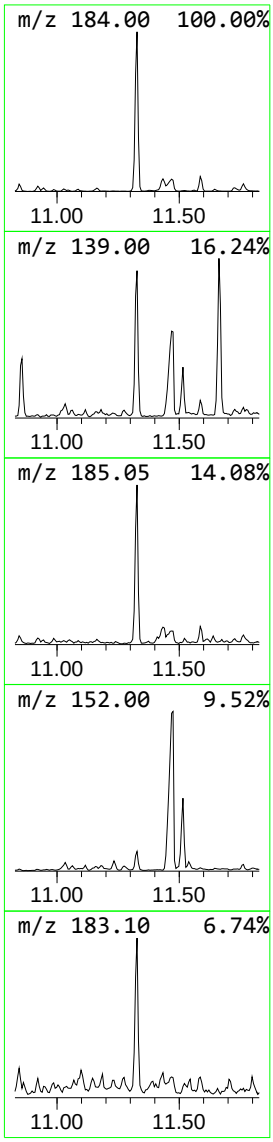
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.327	33.82 ng	705522	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-110822

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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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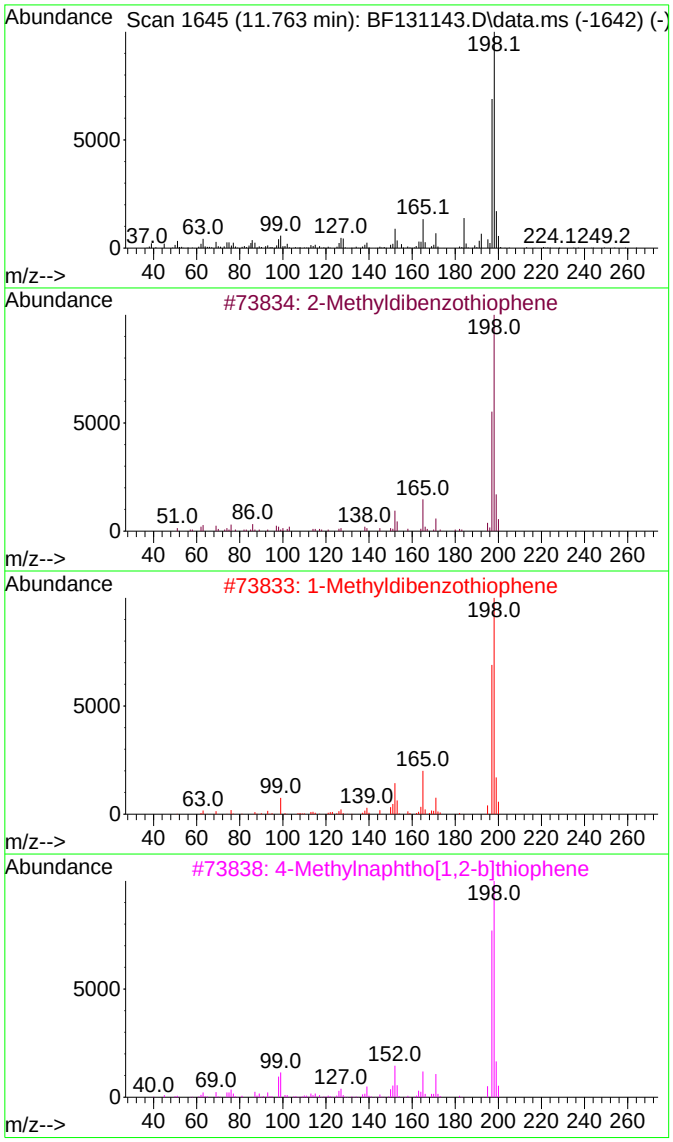
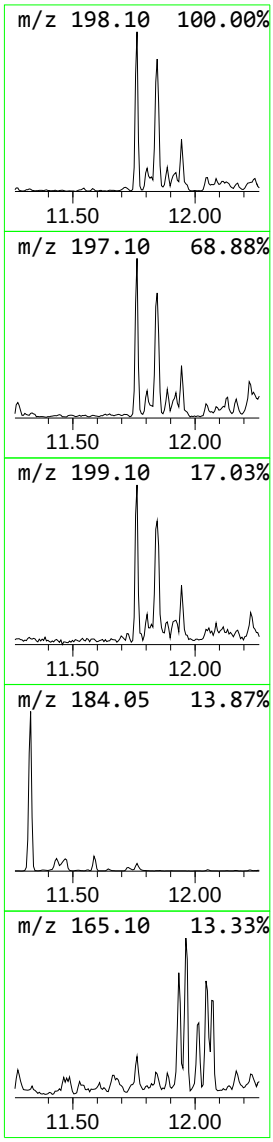
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	16.10 ng	335840	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83





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Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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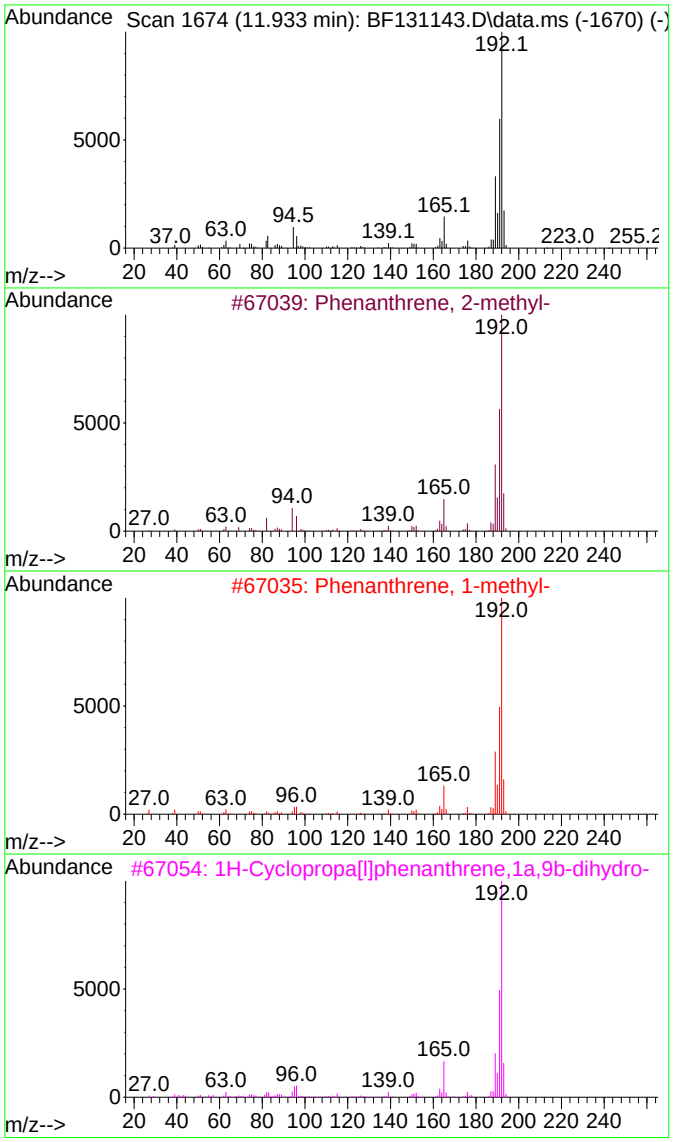
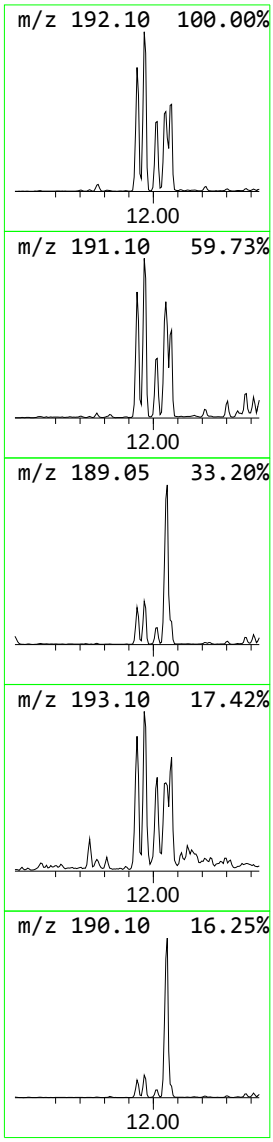
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	50.14 ng	1046080	Phenanthrene-d10	11.433

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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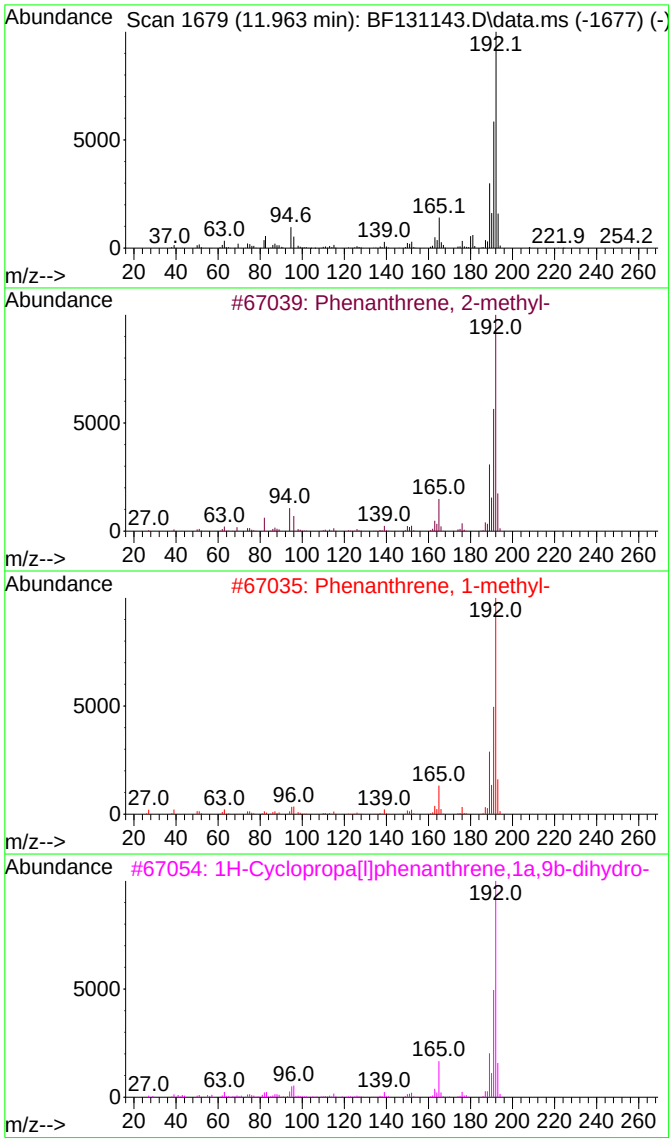
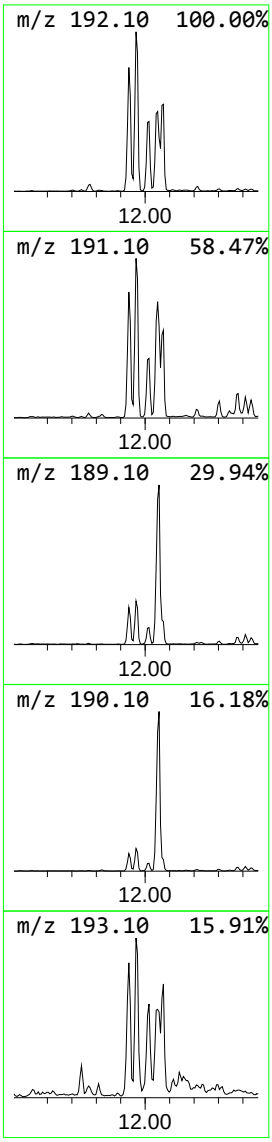
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	59.98 ng	1251400	Phenanthrene-d10	11.433

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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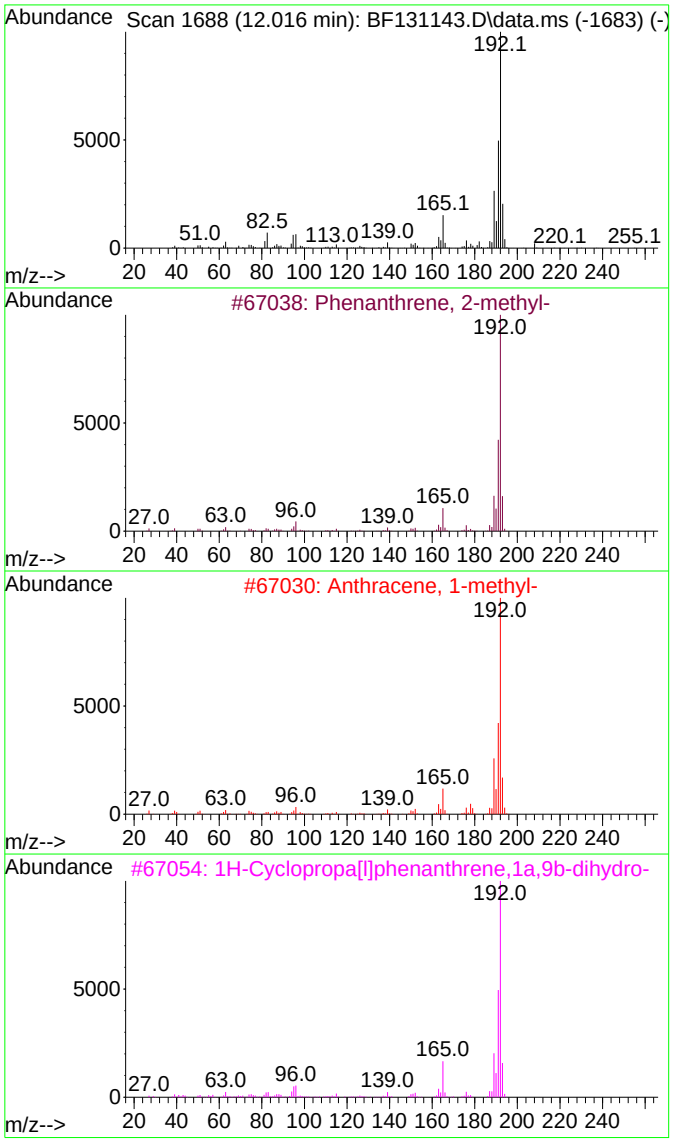
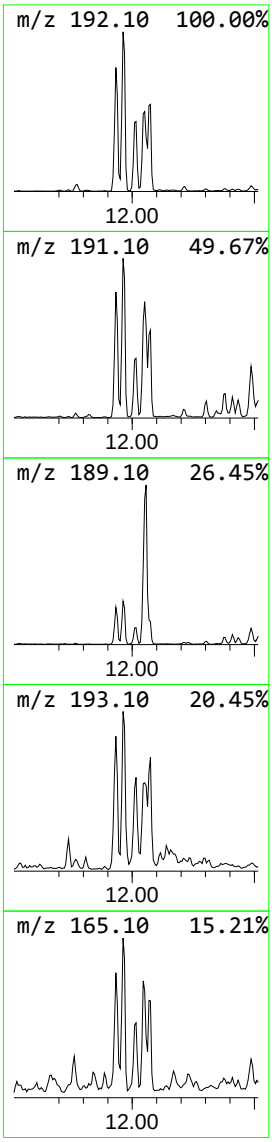
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.015	29.58 ng	617070	Phenanthrene-d10	11.433

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





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Acq On : 11 Nov 2022 01:46
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Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

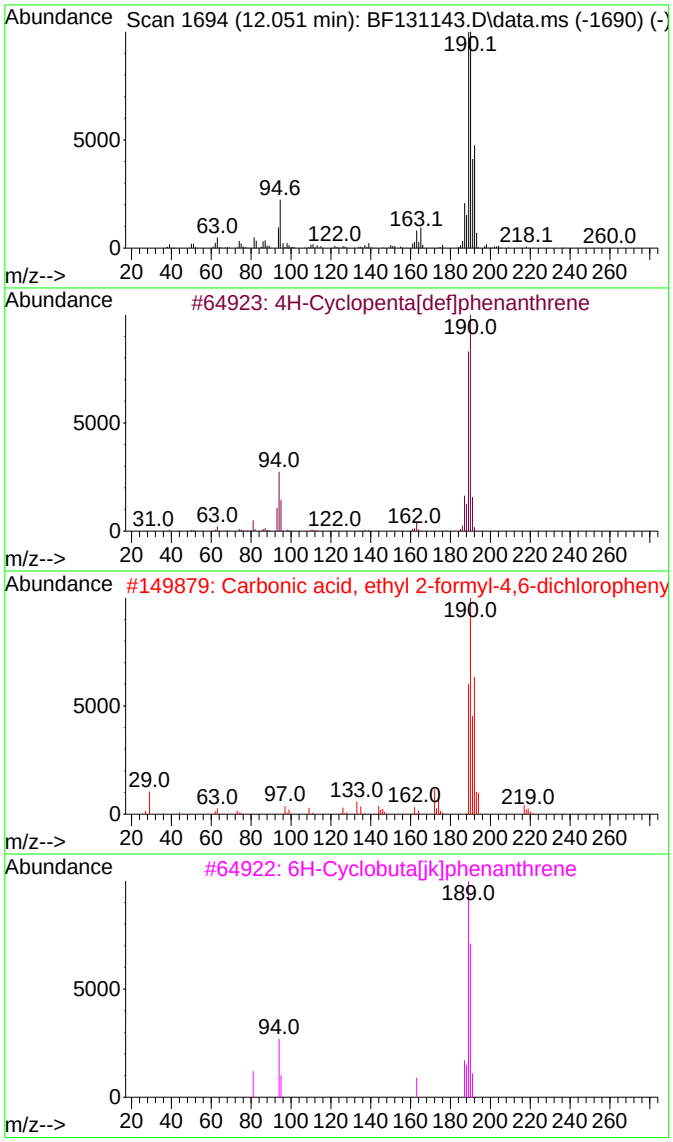
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

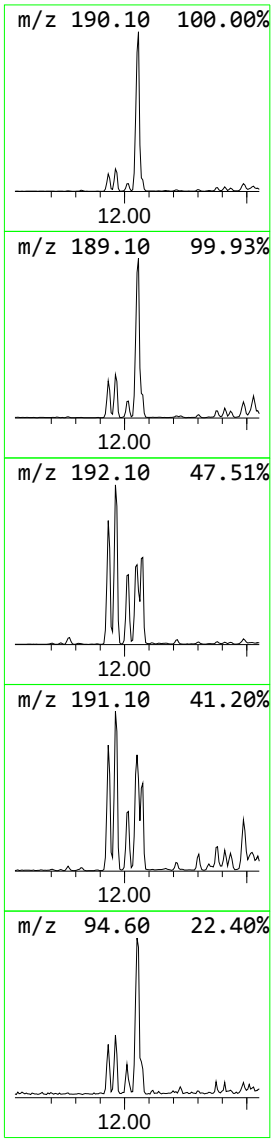
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	105.55 ng	2202240	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





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Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-110822

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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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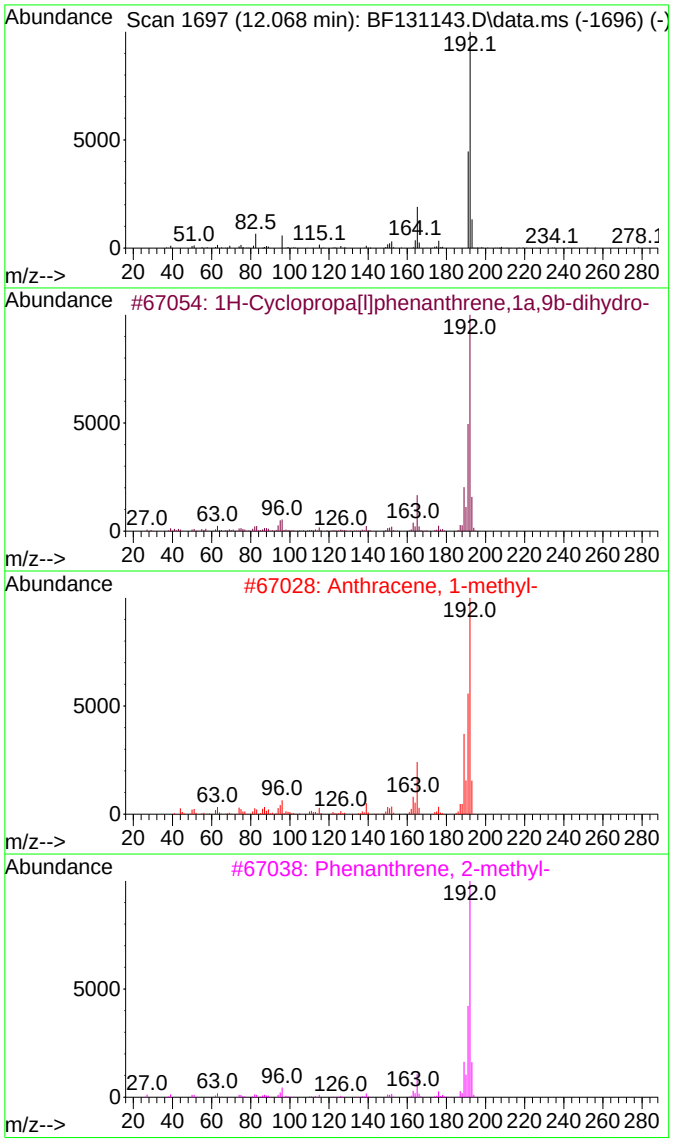
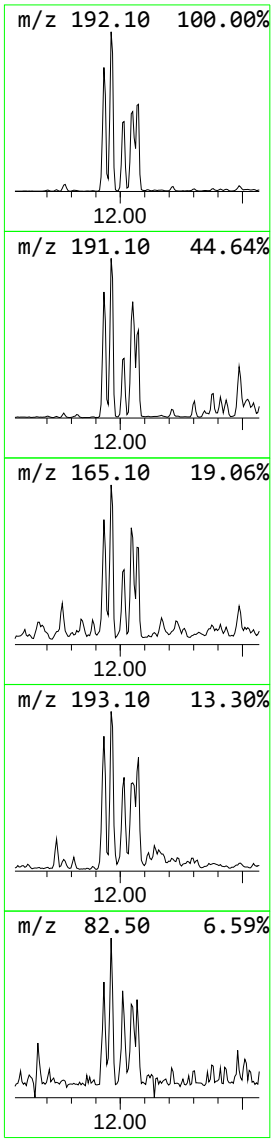
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	27.44 ng	572508	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90





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Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-110822

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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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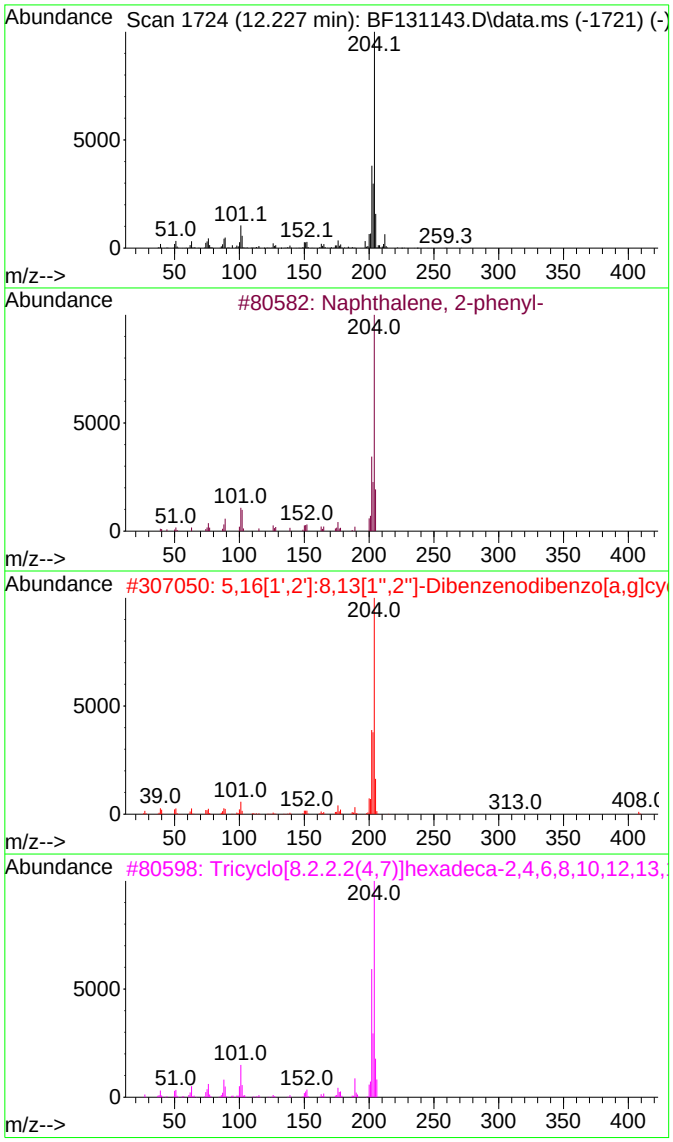
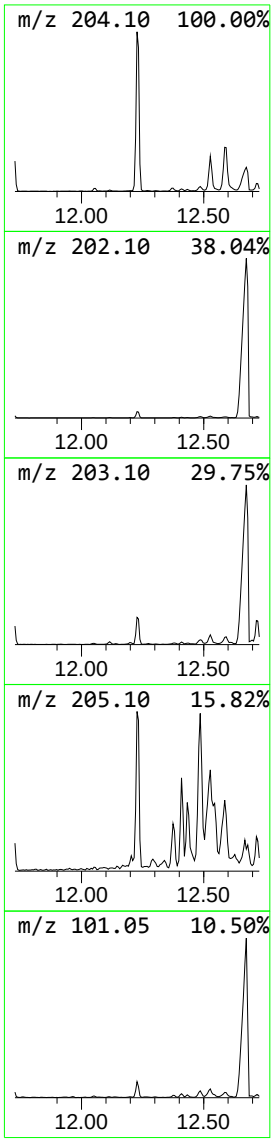
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	34.58 ng	721401	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Sample : N5518-01 2X
Misc :
ALS Vial : 20 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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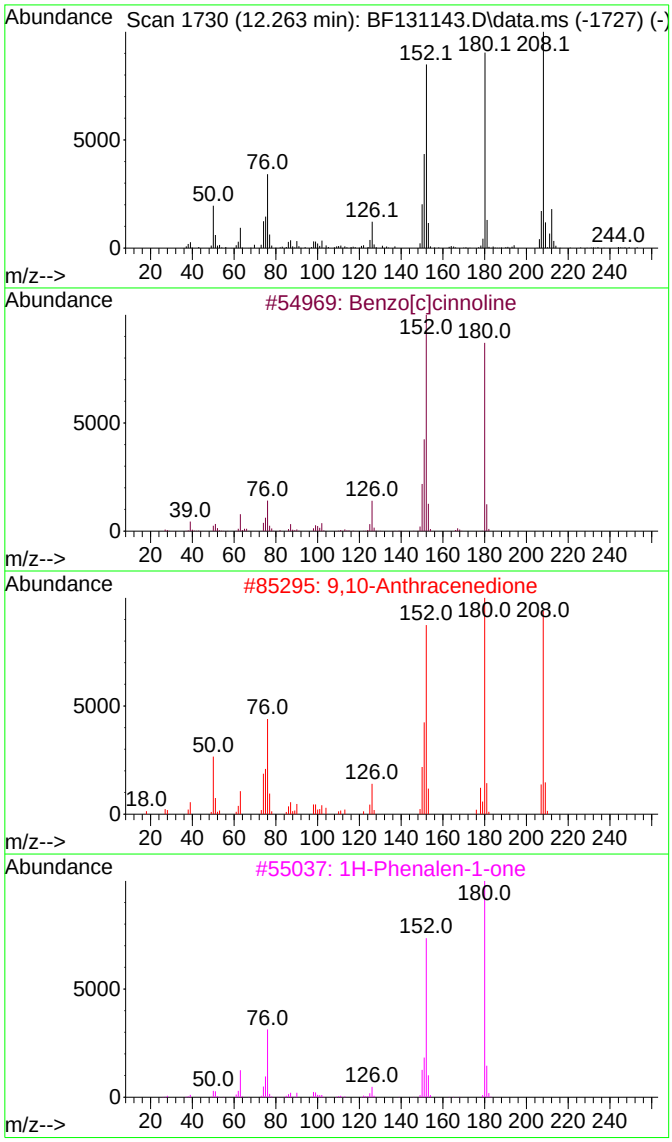
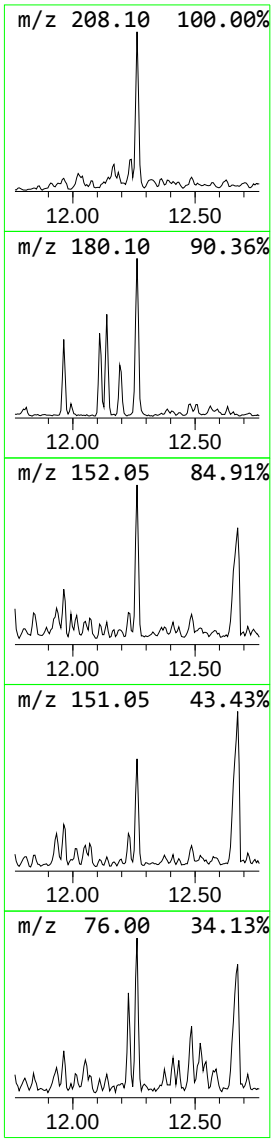
Peak Number 13 Benzo[c]cinnoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	15.69 ng	327289	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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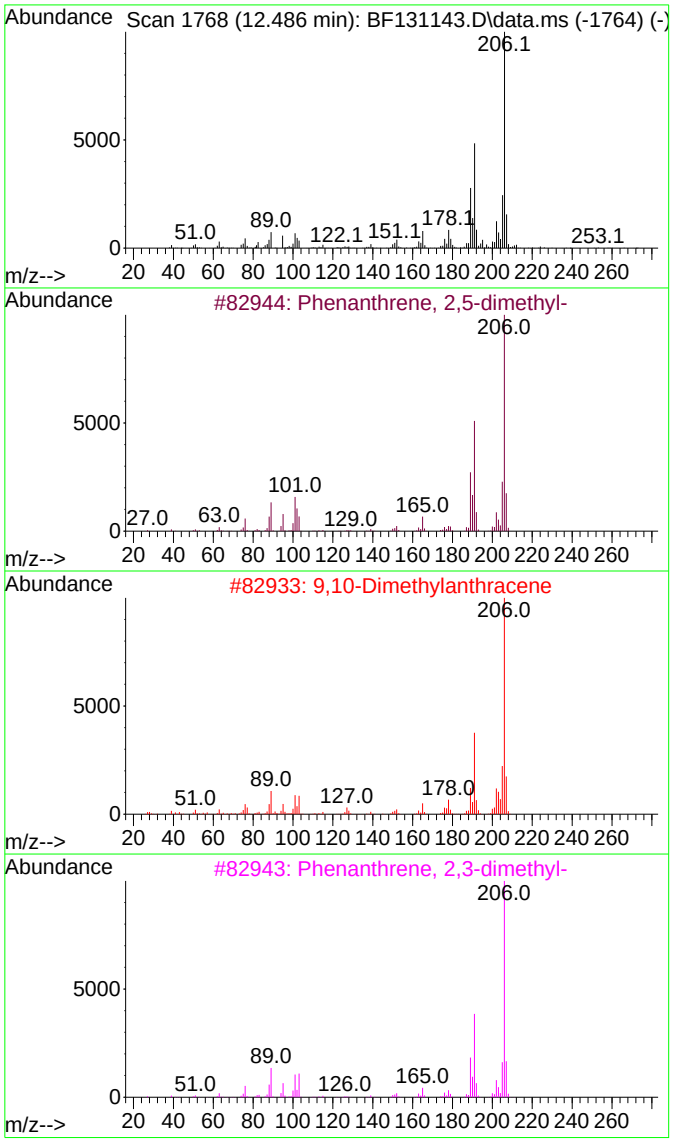
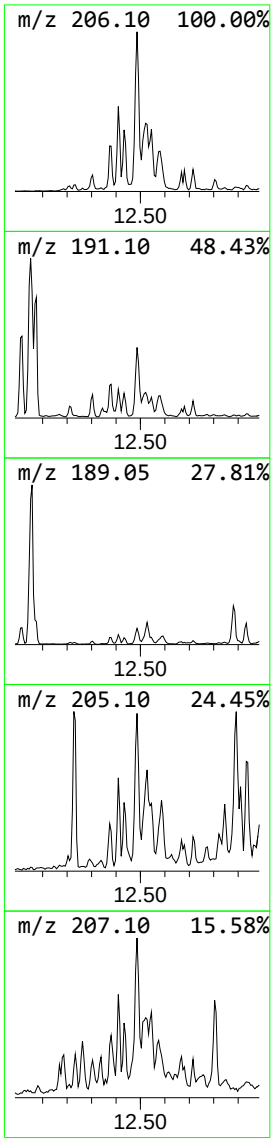
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	35.09 ng	732149	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





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Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

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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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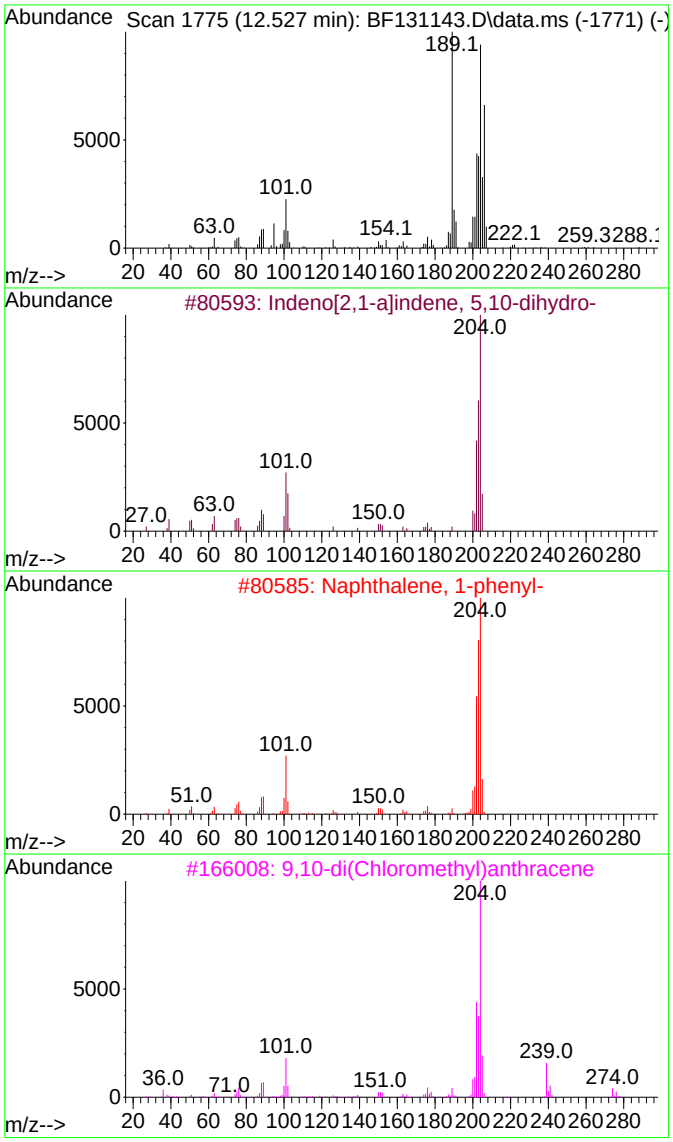
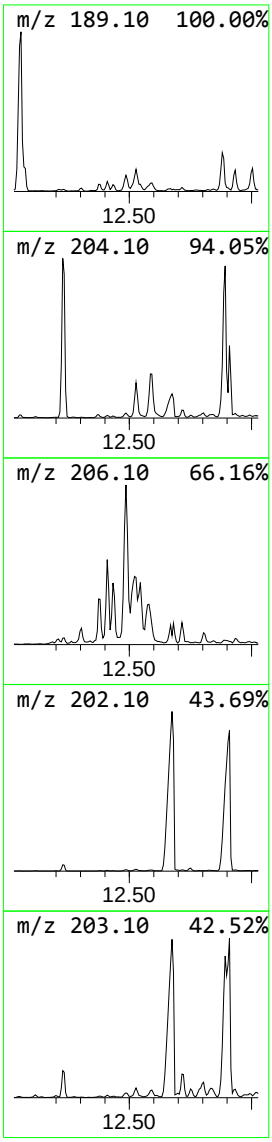
Peak Number 15 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	30.76 ng	641688	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	60
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	51
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

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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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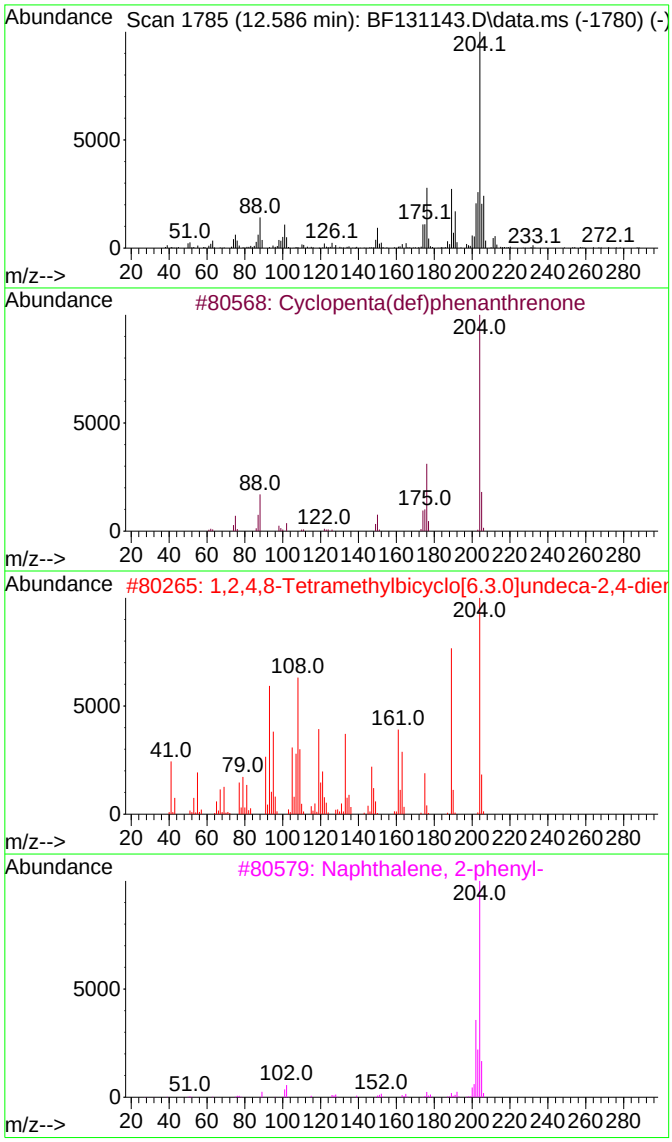
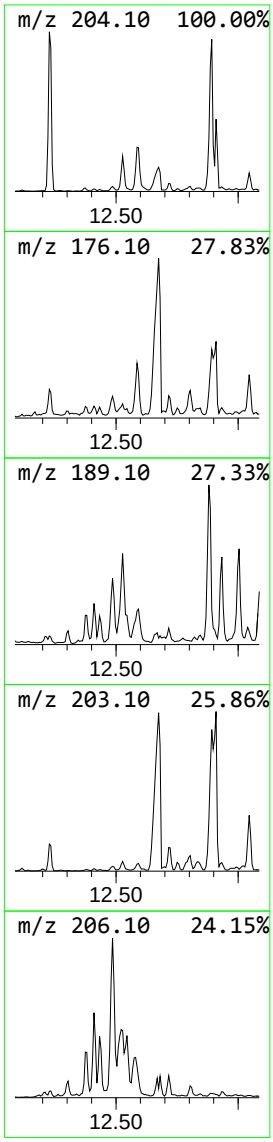
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.586	19.40 ng	404845	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

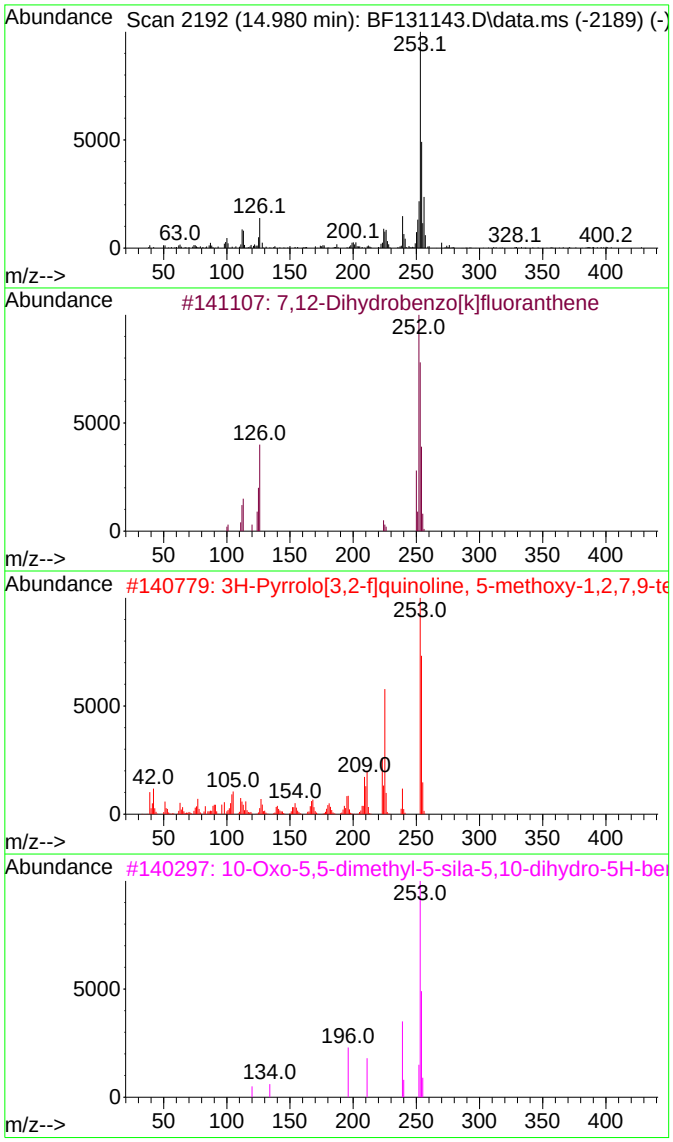
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

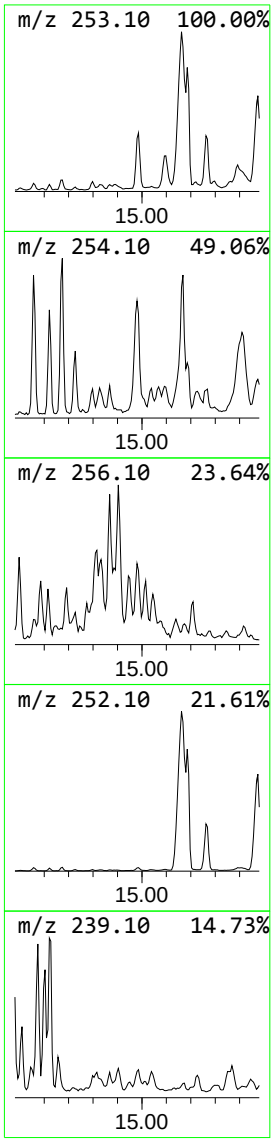
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.980	19.08 ng	300879	Perylene-d12	15.598

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
2	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	58
3	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	53
4	9(10H)-anthracenone, 1,4-dimethoxy-	254	C16H14O3	1010396-70-2	53
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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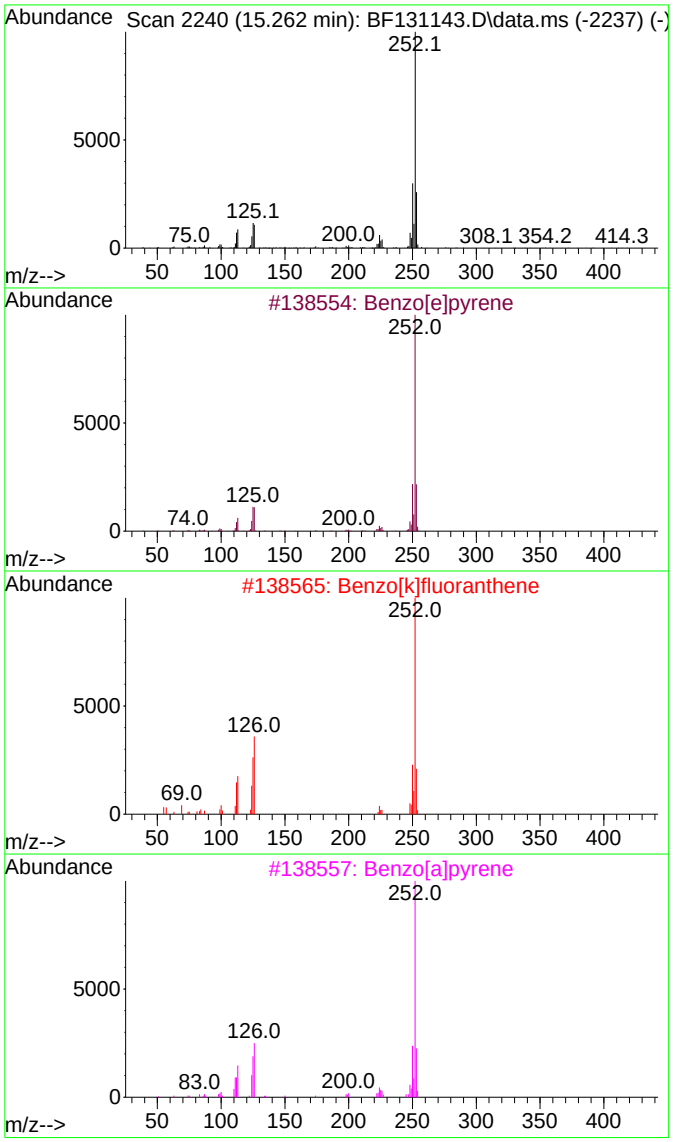
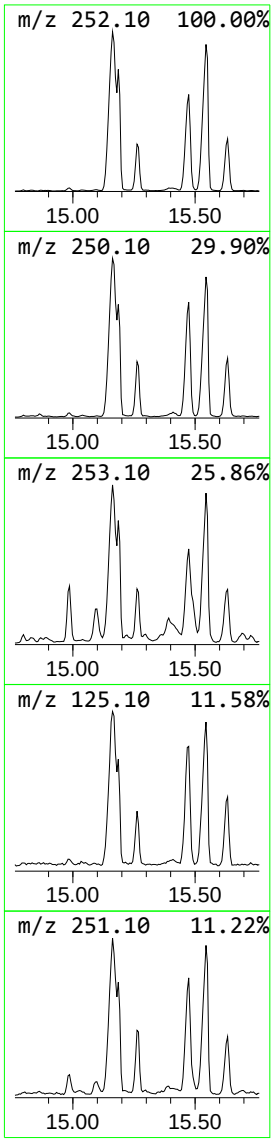
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.262	35.87 ng	565583	Perylene-d12	15.598

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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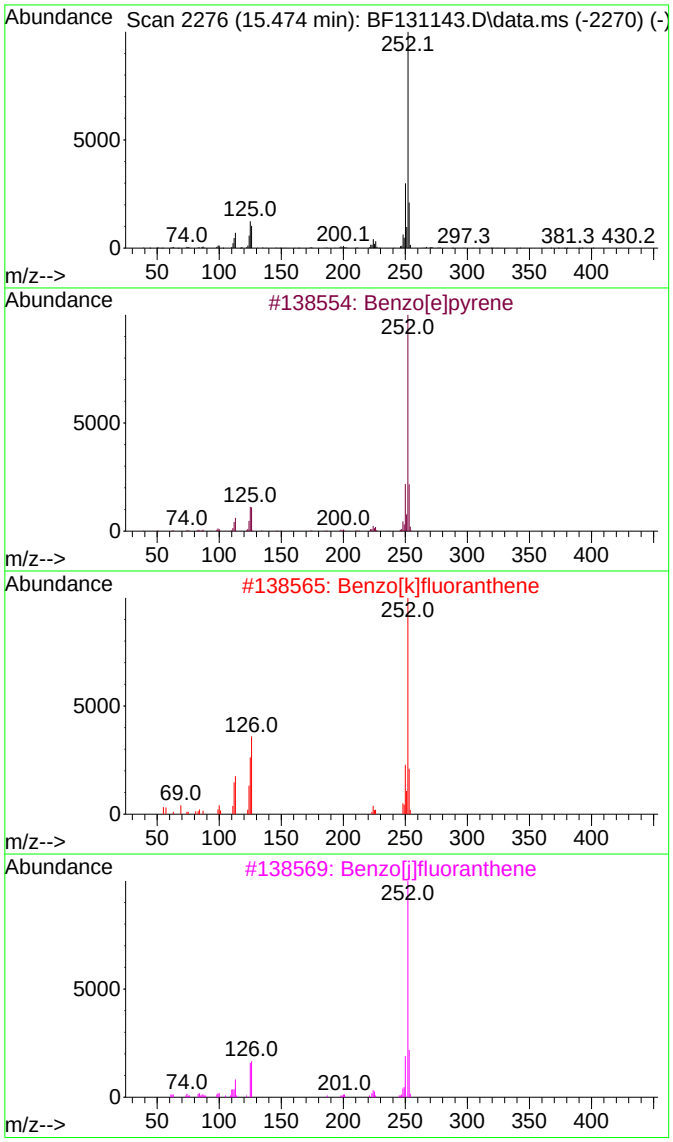
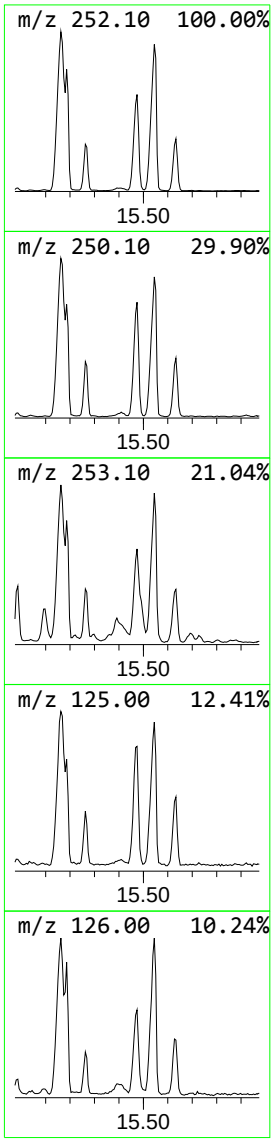
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.474	106.67 ng	1681770	Perylene-d12	15.598

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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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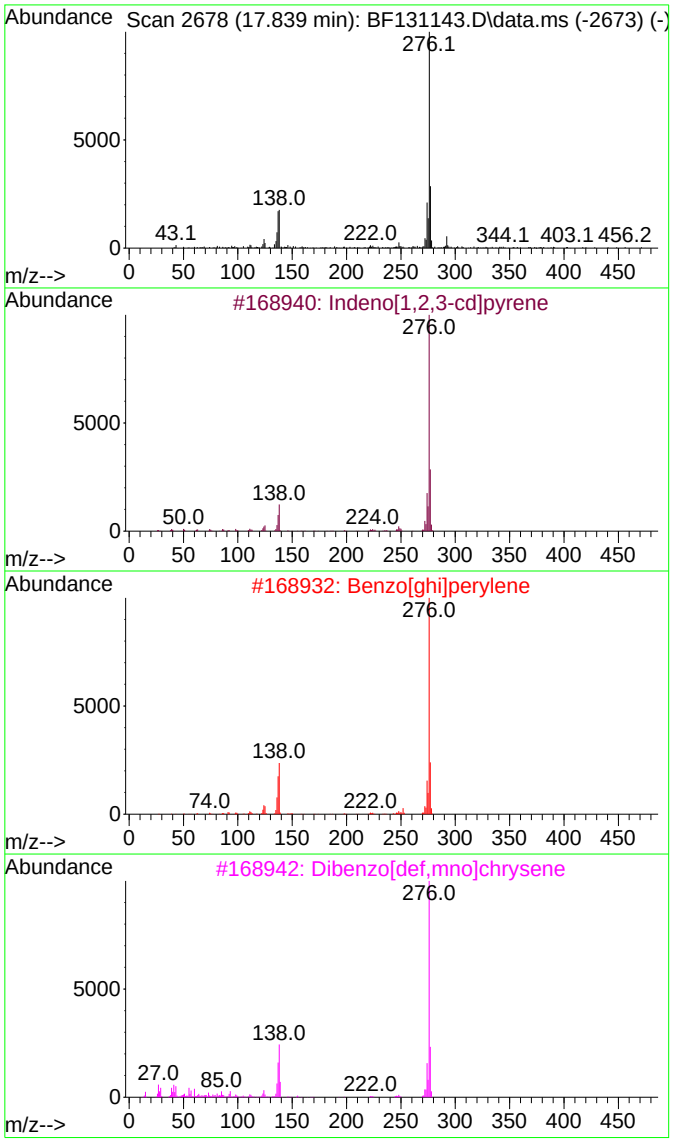
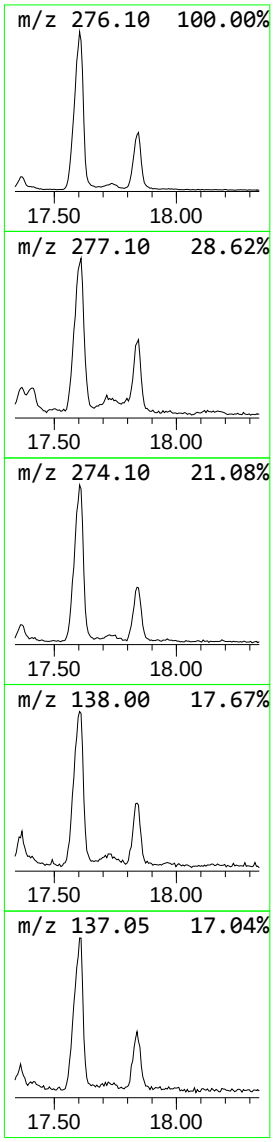
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.839	18.80 ng	296430	Perylene-d12	15.598

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131143.D
Acq On : 11 Nov 2022 01:46
Operator : CG\JU
Sample : N5518-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-110822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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...	2.128	16.6	ng	326412	1	6.892	394323	20.0
Naphthalene, 1,...	9.516	14.8	ng	298185	3	9.933	403714	20.0
Naphthalene, 1,...	9.586	17.9	ng	361203	3	9.933	403714	20.0
9H-Fluorene, 1-...	11.033	25.2	ng	525220	4	11.433	417271	20.0
Naphtho[2,1-b]t...	11.327	33.8	ng	705522	4	11.433	417271	20.0
2-Methyldibenzo...	11.763	16.1	ng	335840	4	11.433	417271	20.0
Phenanthrene, 2...	11.933	50.1	ng	1046080	4	11.433	417271	20.0
Phenanthrene, 1...	11.963	60.0	ng	1251400	4	11.433	417271	20.0
Anthracene, 1-m...	12.015	29.6	ng	617070	4	11.433	417271	20.0
4H-Cyclopenta[d...	12.051	105.6	ng	2202240	4	11.433	417271	20.0
1H-Cyclopropa[l...	12.069	27.4	ng	572508	4	11.433	417271	20.0
Naphthalene, 2-...	12.227	34.6	ng	721401	4	11.433	417271	20.0
Benzo[c]cinnoline	12.263	15.7	ng	327289	4	11.433	417271	20.0
Phenanthrene, 2...	12.486	35.1	ng	732149	4	11.433	417271	20.0
Indeno[2,1-a]in...	12.527	30.8	ng	641688	4	11.433	417271	20.0
Cyclopenta(def)...	12.586	19.4	ng	404845	4	11.433	417271	20.0
7,12-Dihydroben...	14.980	19.1	ng	300879	6	15.598	315326	20.0
Benzo[e]pyrene	15.262	35.9	ng	565583	6	15.598	315326	20.0
Benzo[j]fluoran...	15.474	106.7	ng	1681770	6	15.598	315326	20.0
Dibenzo[def,mno...	17.839	18.8	ng	296430	6	15.598	315326	20.0