LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-518-COMP-03

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-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131605.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	5	13	19	rVB	441380	534599	11.46%	0.836%
2	5.104	508	513	521	rVB	172495	224321	4.81%	0.351%
3	5.516	578	583	586	rBV	1703738	1536073	32.93%	2.402%
4	6.534	751	756	759	rVB	1493304	1529499	32.79%	2.392%
5	6.892	813	817	820	rBV	489102	380678	8.16%	0.595%
6	7.386	894	901	909	rBV	212501	388926	8.34%	0.608%
7	7.457	909	913	916	rVB	962872	964818	20.69%	1.509%
8	8.180	1030	1036	1038	rVV	546313	473876	10.16%	0.741%
9	9.263	1215	1220	1223	rBV	1868563	1520683	32.60%	2.378%
10	9.604	1274	1278	1280	rBV	154163	154877	3.32%	0.242%
11	9.810	1309	1313	1316	rBV	502082	443354	9.51%	0.693%
12	9.945	1334	1336	1339	rVV	492807	402407	8.63%	0.629%
13	10.151	1366	1371	1374	rVV2	111481	135947	2.91%	0.213%
14	10.263	1386	1390	1392	rBV2	112340	134133	2.88%	0.210%
15	10.498	1427	1430	1436	rVB	224447	231521	4.96%	0.362%
16	10.739	1465	1471	1475	rBV	1022417	919199	19.71%	1.438%
17	10.863	1487	1492	1498	rVB3	204173	296221	6.35%	0.463%
18	11.045	1519	1523	1526	rBV2	107949	142317	3.05%	0.223%
19	11.298	1563	1566	1569	rVV3	119039	144933	3.11%	0.227%
20	11.339	1569	1573	1578	rVB2	151142	195289	4.19%	0.305%
21	11.445	1587	1591	1593	rBV	431364	419544	9.00%	0.656%
22	11.469	1593	1595	1599	rVV	1243177	1139385	24.43%	1.782%
23	11.521	1601	1604	1606	rVV	539241	403361	8.65%	0.631%
24	11.739	1637	1641	1644	rVV3	104095	149836	3.21%	0.234%
25	11.951	1673	1677	1679	rBV	323205	301135	6.46%	0.471%
26	11.974	1679	1681	1685	rVB	564081	478633	10.26%	0.749%
27	12.021	1685	1689	1692	rBV2	193943	244119	5.23%	0.382%
28	12.063	1692	1696	1698	rBV2	662845	686751	14.72%	1.074%
29	12.086	1698	1700	1703	rVB	313056	247890	5.31%	0.388%
30	12.245	1721	1727	1730	rBV2	299231	508737	10.91%	0.796%
31	12.274	1730	1732	1735	rVB	194316	153948	3.30%	0.241%
32	12.310	1735	1738	1741	rBV2	257565	218592	4.69%	0.342%
33	12.345	1741	1744	1747	rVB2	157912	180013	3.86%	0.282%
34	12.427	1756	1758	1760	rVV	198446	161050	3.45%	0.252%
35	12.451	1760	1762	1766	rVB2	161717	154861	3.32%	0.242%
36	12.504	1766	1771	1774	rBV2	515083	766789	16.44%	1.199%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

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-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.539	1774	1777	1780	rVV3	312133	462560	9.92%	0.723%
38	12.568	1780	1782	1784	rVV2	248491	275389	5.90%	0.431%
39	12.598	1784	1787	1791	rVV3	374773	604808	12.97%	0.946%
40	12.633	1791	1793	1795	rVV	225543	183384	3.93%	0.287%
41	12.680	1795	1801	1803	rVV	3599703	3721515	79.79%	5.820%
42	12.710	1803	1806	1808	rVV2	167698	221907	4.76%	0.347%
43	12.733	1808	1810	1813	rVV2	220921	214546	4.60%	0.336%
44	12.763	1813	1815	1819	rVV	323285	312568	6.70%	0.489%
45	12.821	1819	1825	1827	rVV3	232318	393337	8.43%	0.615%
46	12.851	1827	1830	1833	rVV3	249499	295081	6.33%	0.462%
47	12.910	1833	1840	1844	rVV	3507430	4664101	100.00%	7.295%
48	12.951	1844	1847	1851	rVV2	323688	405542	8.69%	0.634%
49	13.015	1851	1858	1859	rVV4	253879	364373	7.81%	0.570%
50	13.039	1859	1862	1869	rVB	1385870	1579076	33.86%	2.470%
51	13.115	1871	1875	1879	rVV2	464724	737589	15.81%	1.154%
52	13.174	1883	1885	1887	rVV	142827	139672	2.99%	0.218%
53	13.210	1887	1891	1892	rVV3	404063	555993	11.92%	0.870%
54	13.227	1892	1894	1897	rVB	726746	727491	15.60%	1.138%
55	13.268	1897	1901	1903	rBV5	119056	174812	3.75%	0.273%
56	13.298	1903	1906	1908	rVV	576632	510093	10.94%	0.798%
57	13.333	1908	1912	1916	rVV2	679113	815528	17.49%	1.275%
58	13.392	1920	1922	1925	rVV3	121803	161454	3.46%	0.253%
59	13.427	1925	1928	1931	rVV	584762	596722	12.79%	0.933%
60	13.457	1931	1933	1936	rVV	535818	552085	11.84%	0.863%
61	13.486	1936	1938	1943	rVV5	118967	133803	2.87%	0.209%
62	13.539	1944	1947	1950	rVB3	104902	132491	2.84%	0.207%
63	13.615	1955	1960	1961	rBV3	111307	181136	3.88%	0.283%
64	13.715	1974	1977	1978	rBV	147070	144504	3.10%	0.226%
65	13.739	1978	1981	1986	rVB	390546	463296	9.93%	0.725%
66	13.857	1995	2001	2003	rBV2	521724	717950	15.39%	1.123%
67	13.880	2003	2005	2007	rVV	409161	354091	7.59%	0.554%
68	13.910	2007	2010	2013	rVV2	408050	488402	10.47%	0.764%
69	13.951	2015	2017	2021	rVB	379281	391799	8.40%	0.613%
70	14.104	2037	2043	2046	rBV2	2421322	3463759	74.26%	5.417%
71	14.145	2046	2050	2056	rVV	2684776	2977101	63.83%	4.656%
72	14.198	2056	2059	2060	rVV2	157248	168669	3.62%	0.264%
73	14.215	2060	2062	2065	rVV	457050	452119	9.69%	0.707%
74	14.257	2066	2069	2075	rVV3	361322	580471	12.45%	0.908%
75	14.321	2078	2080	2081	rVV	179729	140027	3.00%	0.219%
76	14.362	2085	2087	2090	rVB	188244	169752	3.64%	0.265%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

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-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.427	2095	2098	2100	rVV3	129537	147334	3.16%	0.230%
78	14.457	2100	2103	2105	rVV2	222383	249825	5.36%	0.391%
79	14.498	2105	2110	2113	rVV	836759	1027748	22.04%	1.607%
80	14.527	2113	2115	2119	rVV	501311	546587	11.72%	0.855%
81	14.568	2119	2122	2123	rVV2	236051	259422	5.56%	0.406%
82	14.592	2124	2126	2129	rVV	355898	417131	8.94%	0.652%
83	14.627	2129	2132	2134	rVV	491632	576140	12.35%	0.901%
84	14.645	2134	2135	2138	rVV	420372	317412	6.81%	0.496%
85	14.698	2139	2144	2150	rVB2	219314	357931	7.67%	0.560%
86	15.009	2193	2197	2201	rBV2	170890	223106	4.78%	0.349%
87	15.074	2206	2208	2214	rVB5	92301	135835	2.91%	0.212%
88	15.198	2221	2229	2231	rBV	1769540	3359656	72.03%	5.255%
89	15.298	2242	2246	2249	rVB	441475	457063	9.80%	0.715%
90	15.509	2276	2282	2288	rVB	1146604	1671699	35.84%	2.615%
91	15.586	2288	2295	2298	rBV	1709538	2435800	52.22%	3.810%
92	15.633	2299	2303	2306	rVV	243460	355182	7.62%	0.556%
93	15.668	2306	2309	2315	rVB2	518396	737033	15.80%	1.153%
94	16.221	2399	2403	2407	rVB2	141028	193724	4.15%	0.303%
95	16.974	2527	2531	2534	rBV	71782	138366	2.97%	0.216%
96	17.192	2559	2568	2574	rVB2	678195	1454309	31.18%	2.275%
97	17.362	2591	2597	2602	rBV	137795	276998	5.94%	0.433%
98	17.427	2602	2608	2613	rVV2	118169	235538	5.05%	0.368%
99	17.662	2638	2648	2659	rVB	495332	1302017	27.92%	2.036%
100	17.897	2682	2688	2702	rVB3	174686	465225	9.97%	0.728%

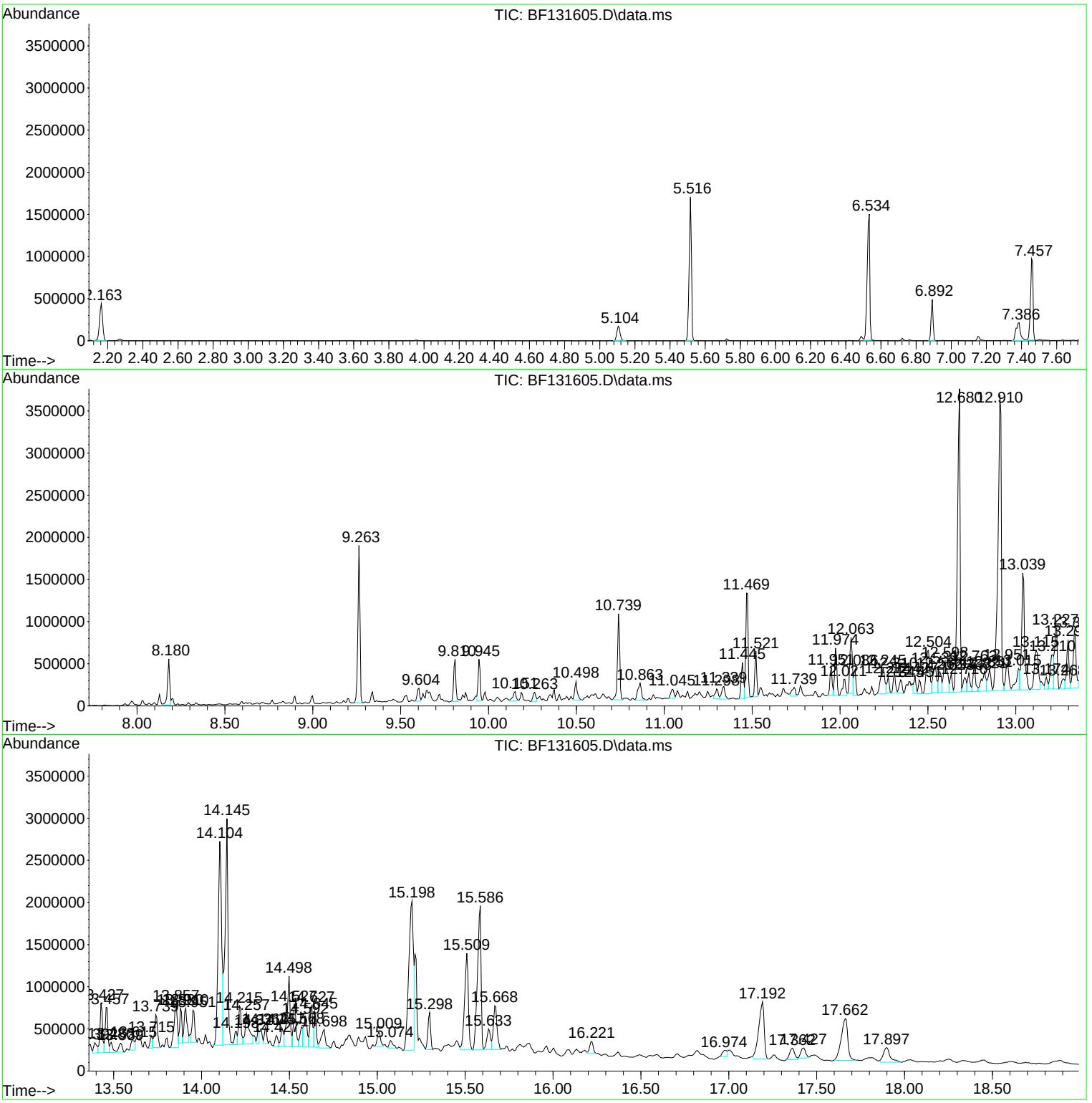
Sum of corrected areas: 63938392

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

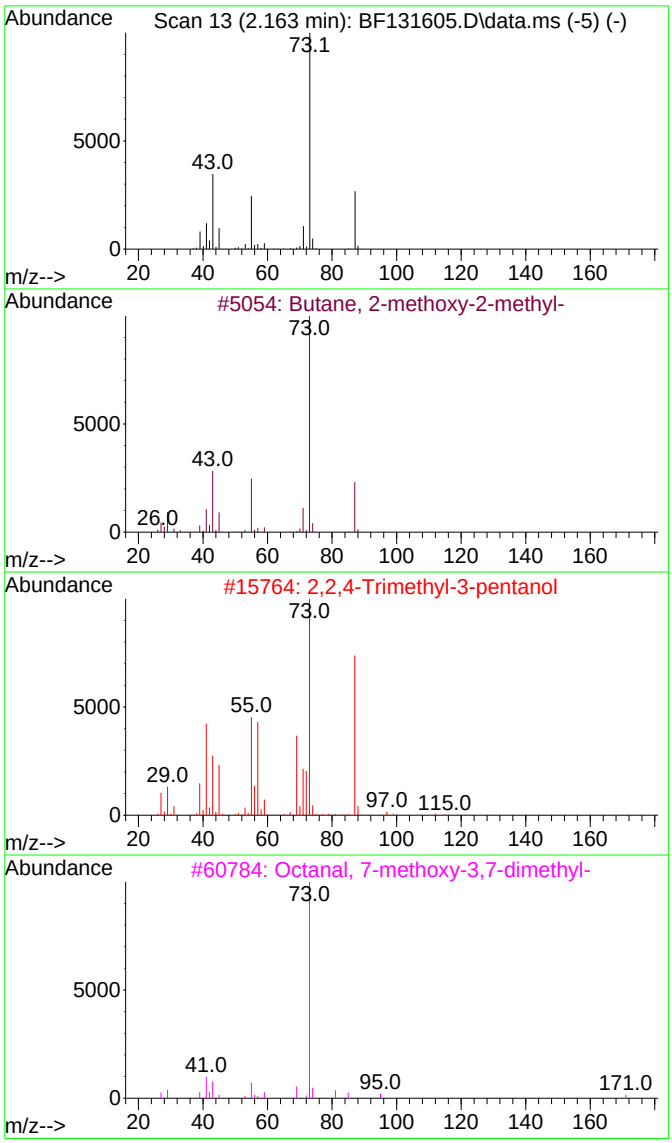
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

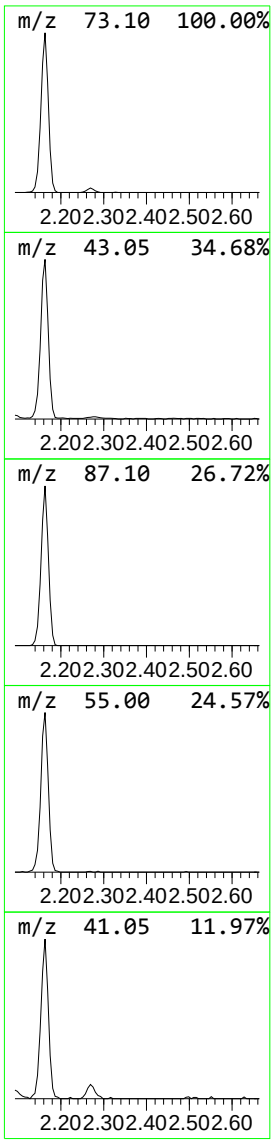
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	28.09 ng	534599	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

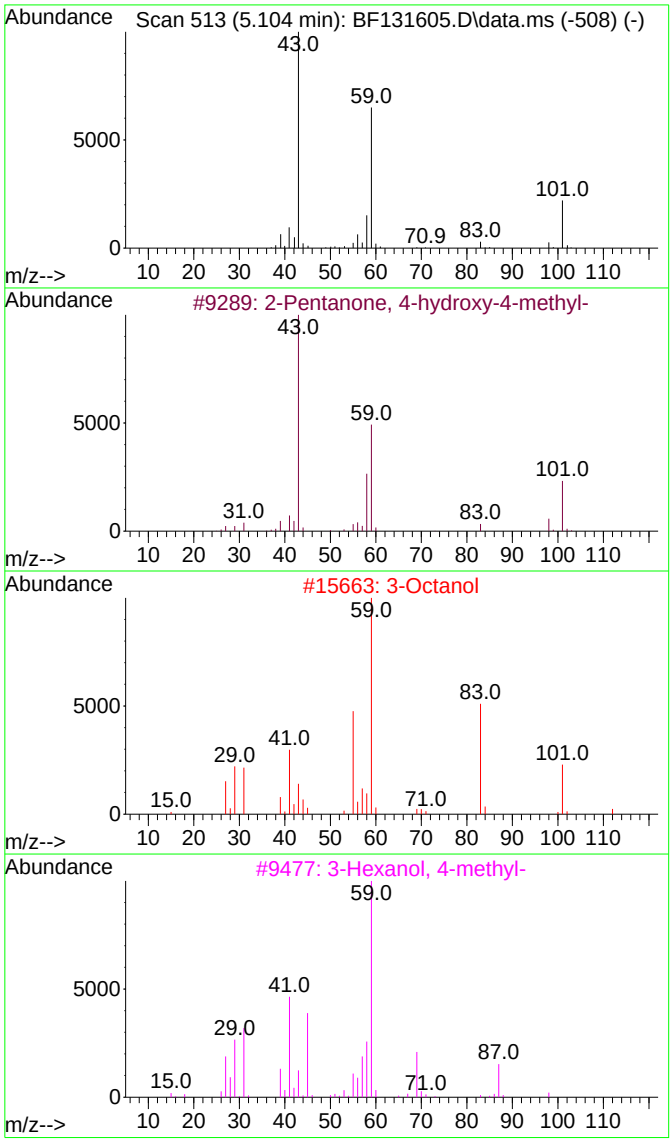
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

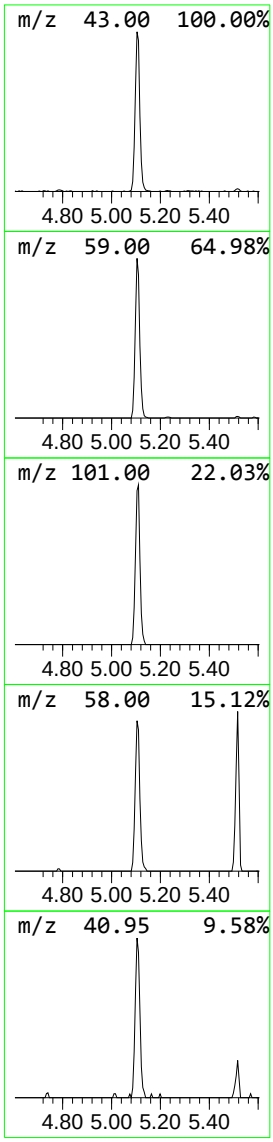
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	11.79 ng	224321	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Octanol	130	C8H18O	000589-98-0	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

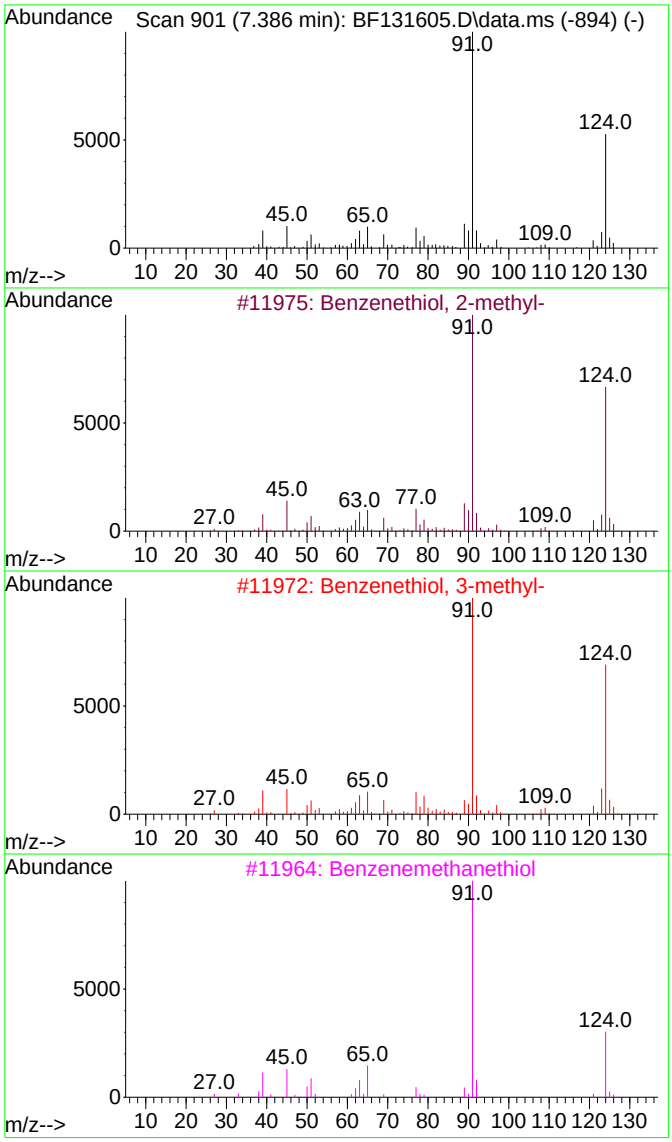
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

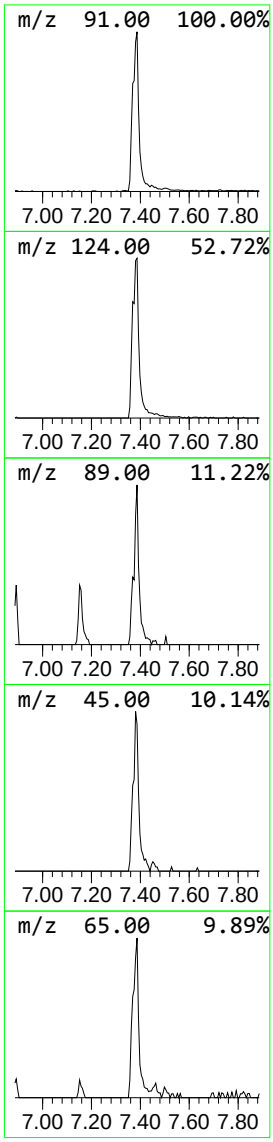
****

Peak Number 3 Benzenethiol, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.386	20.43 ng	388926	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenethiol, 2-methyl-	124	C7H8S	000137-06-4	96
2	Benzenethiol, 3-methyl-	124	C7H8S	000108-40-7	91
3	Benzenemethanethiol	124	C7H8S	000100-53-8	72
4	Benzenethiol, 4-methyl-	124	C7H8S	000106-45-6	58
5	Benzeneacetic acid, 2-methoxyphe...	242	C15H14O3	004112-89-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

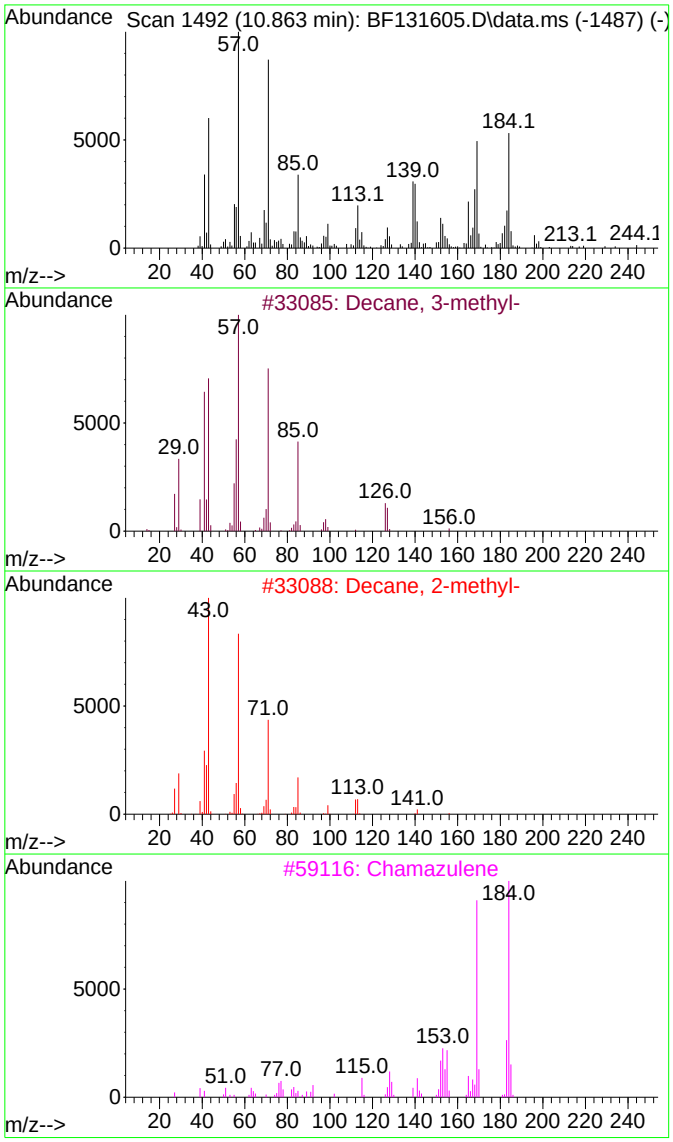
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

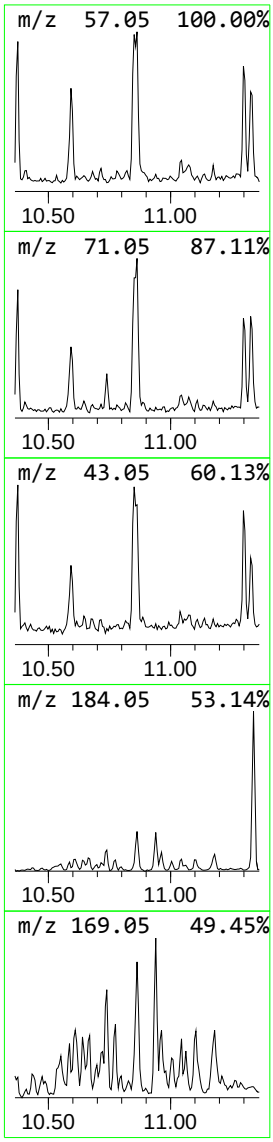
****

Peak Number 4 unknown10.863 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.863	14.12 ng	296221	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	38
2	Decane, 2-methyl-	156	C11H24	006975-98-0	38
3	Chamazulene	184	C14H16	000529-05-5	35
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	30
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

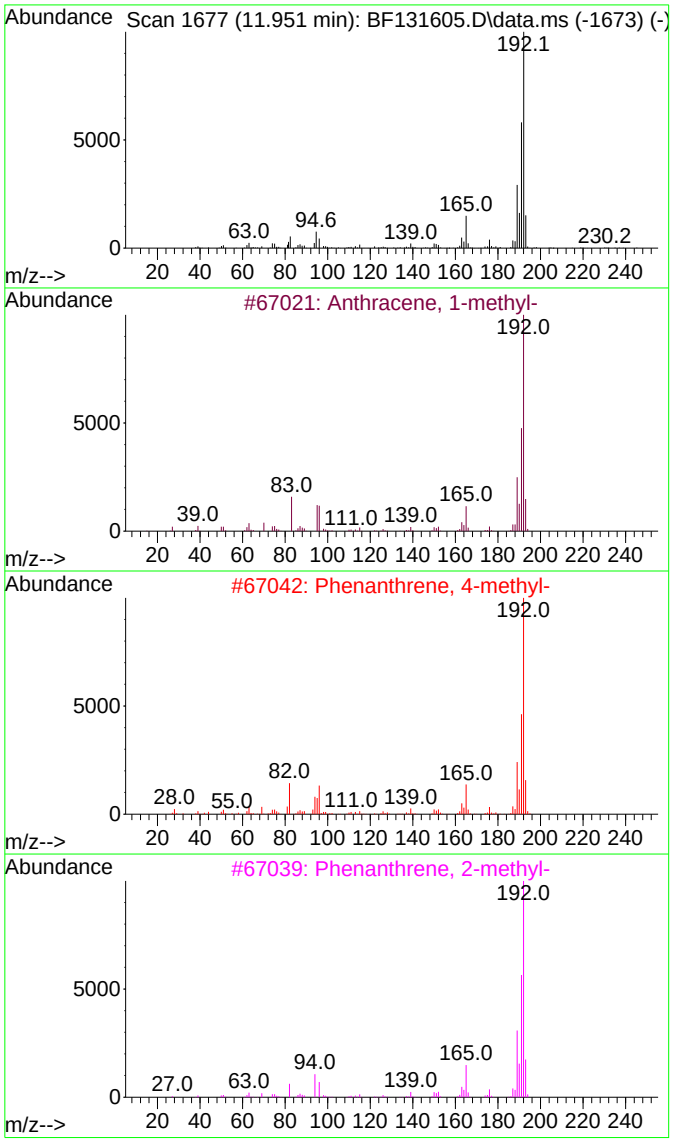
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

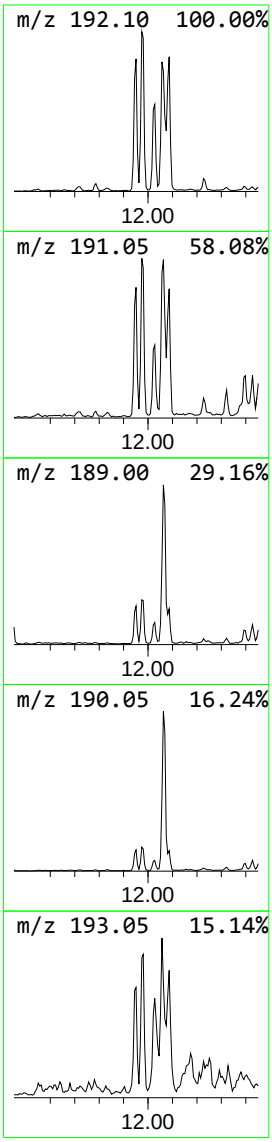
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	14.36 ng	301135	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-518-COMP-03

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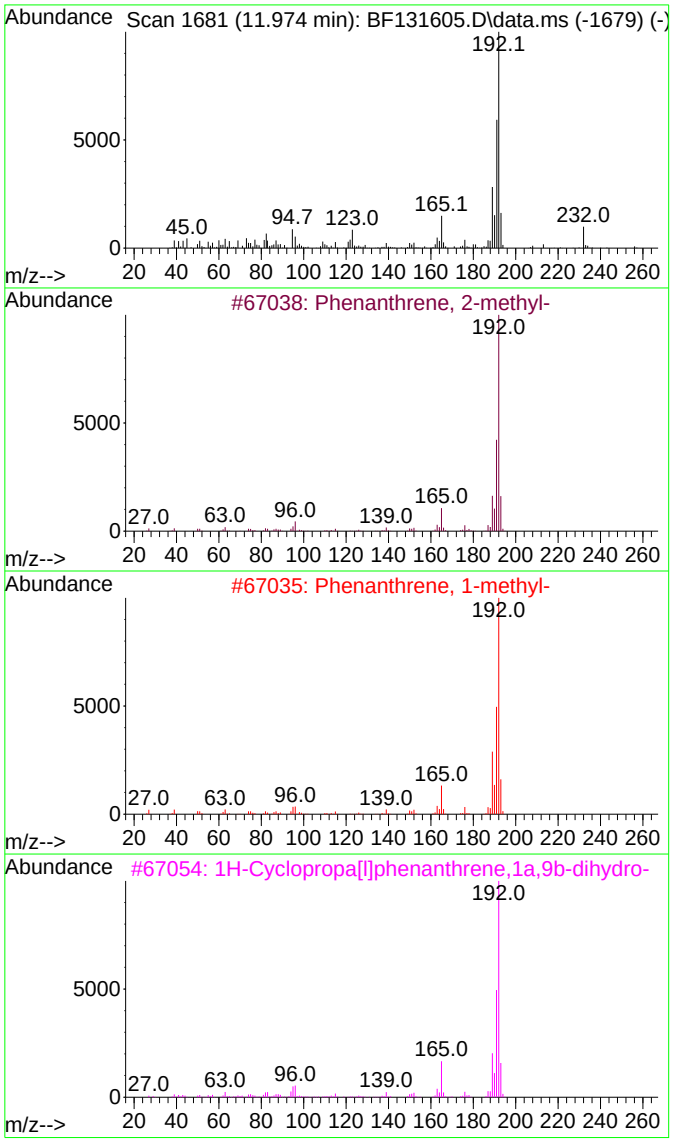
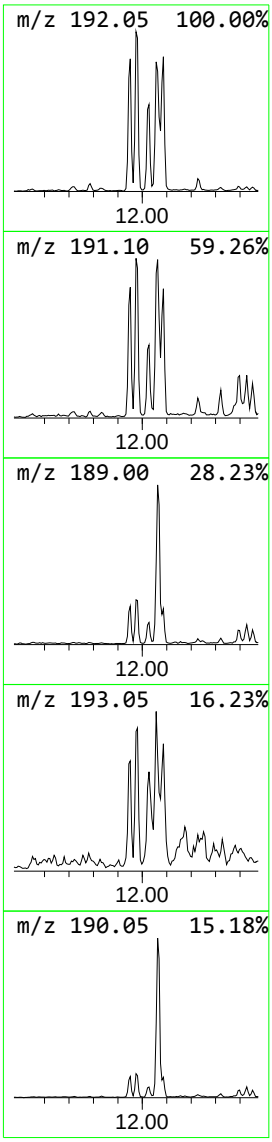
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	22.82 ng	478633	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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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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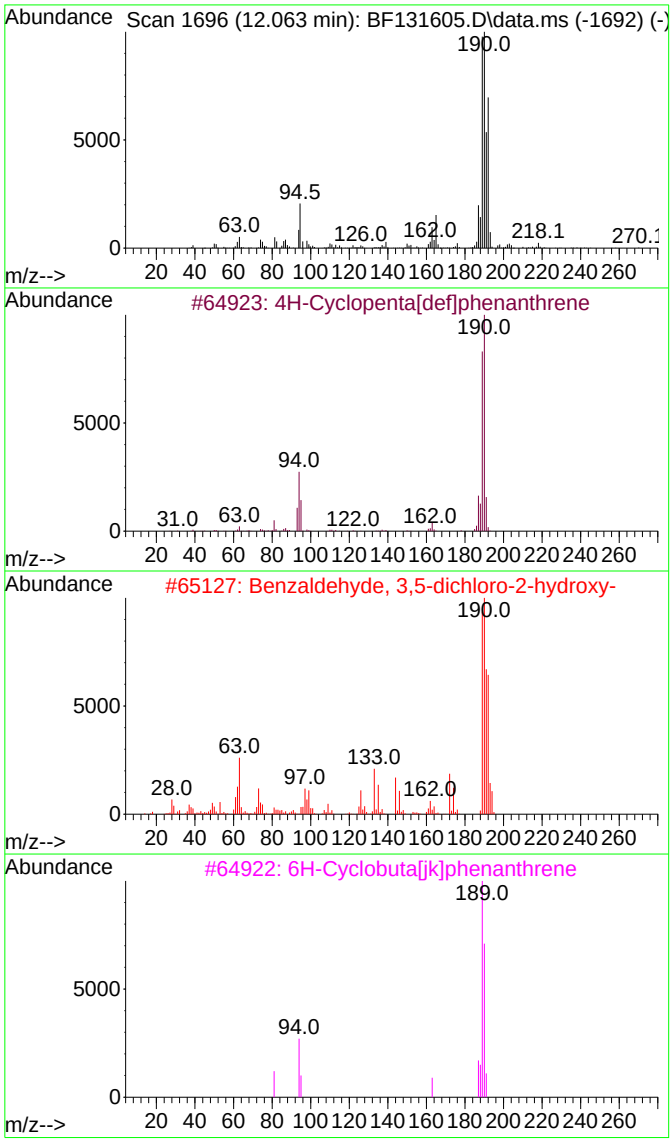
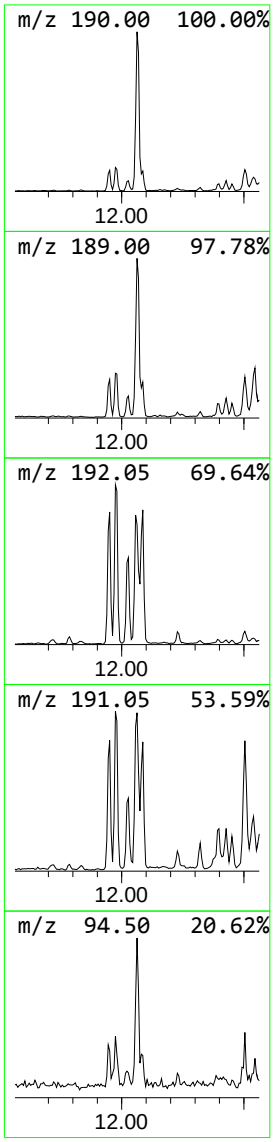
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	32.74 ng	686751	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	1H-1,2,4-Triazol-5-amine, 3-brom...	190	C4H7BrN4	1000460-85-7	43
5	3-Bromo-5-fluoro-2-pyridinylamine	190	C5H4BrFN2	869557-43-7	35





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Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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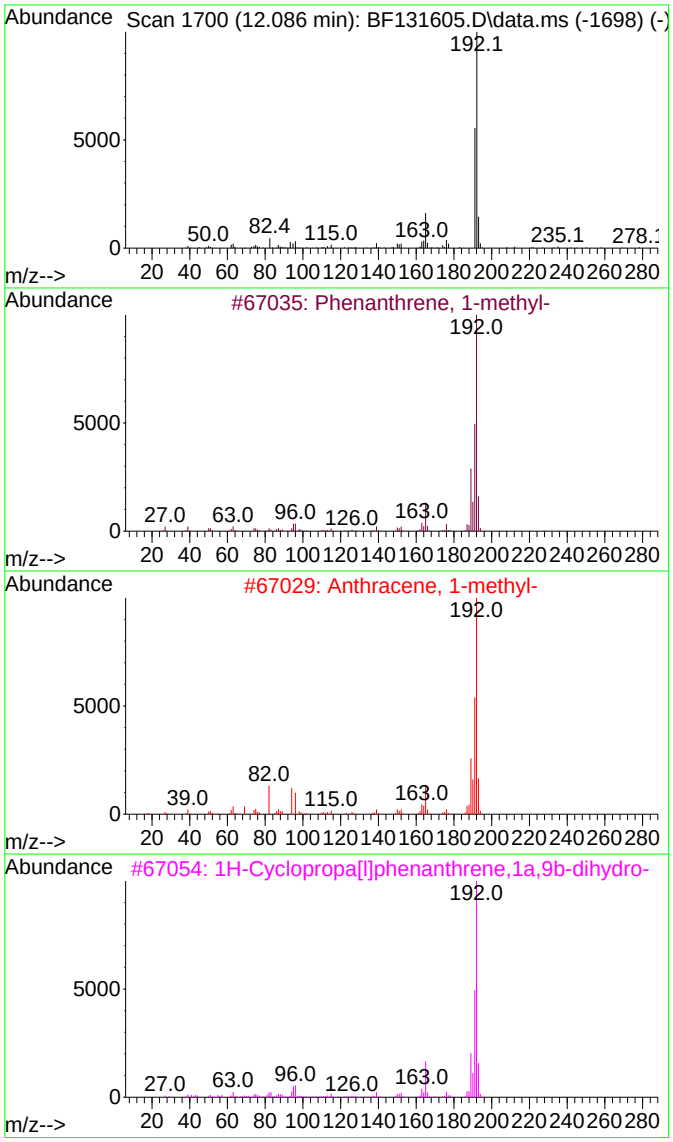
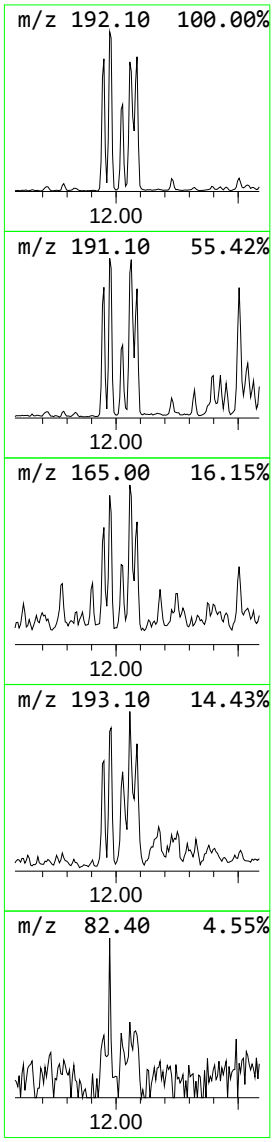
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	11.82 ng	247890	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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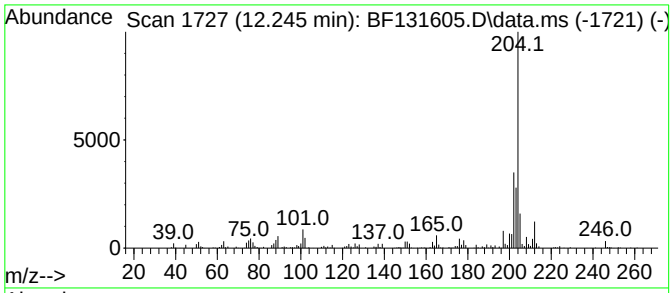
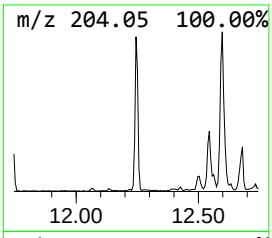
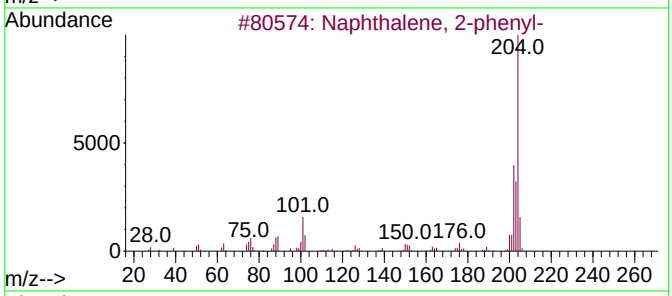
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

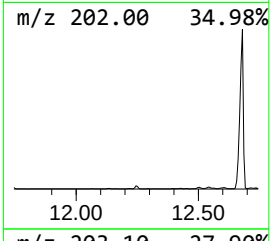
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	24.25 ng	508737	Phenanthrene-d10	11.445

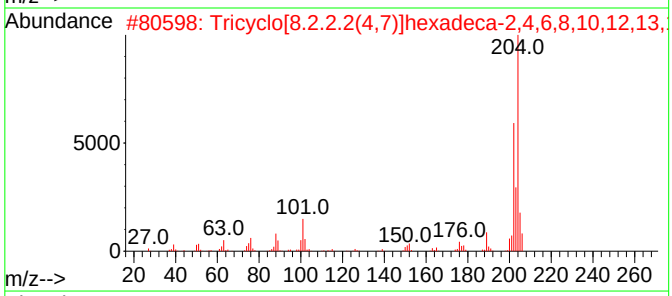
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58

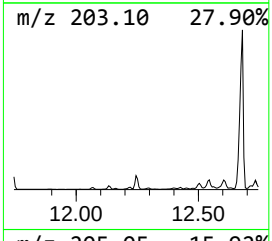


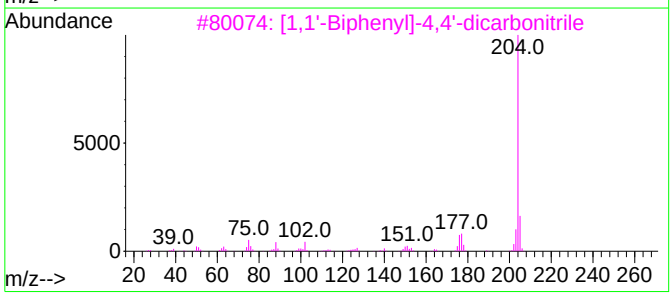


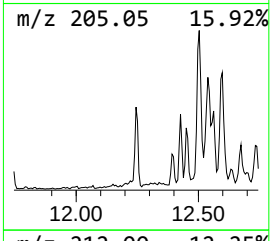


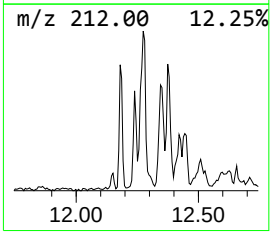












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Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

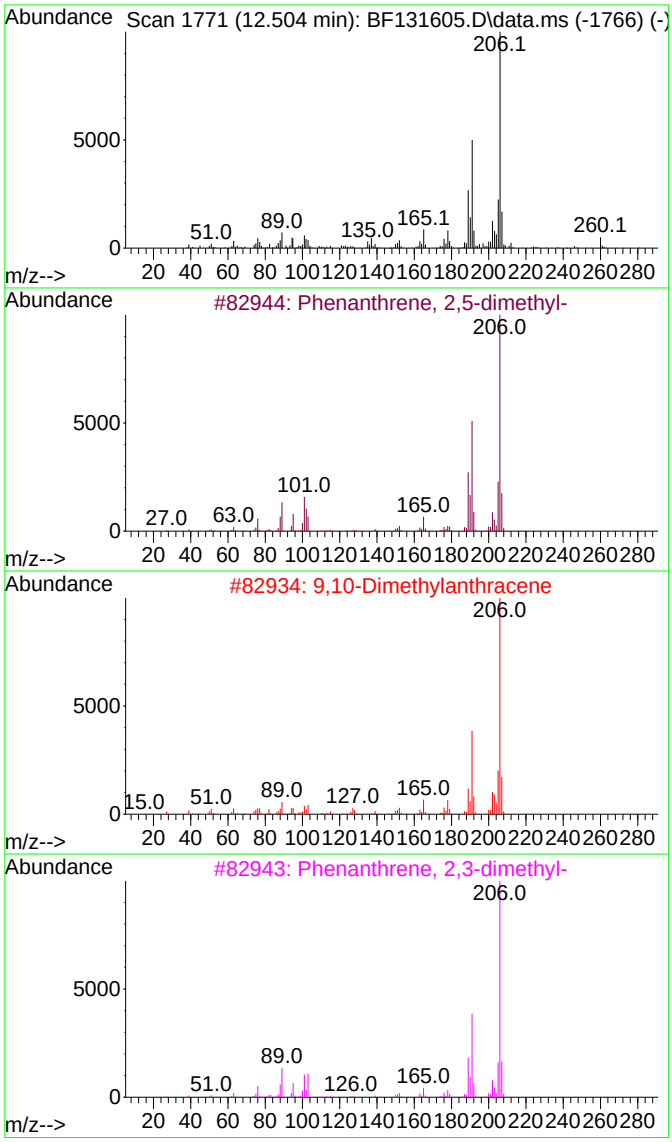
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

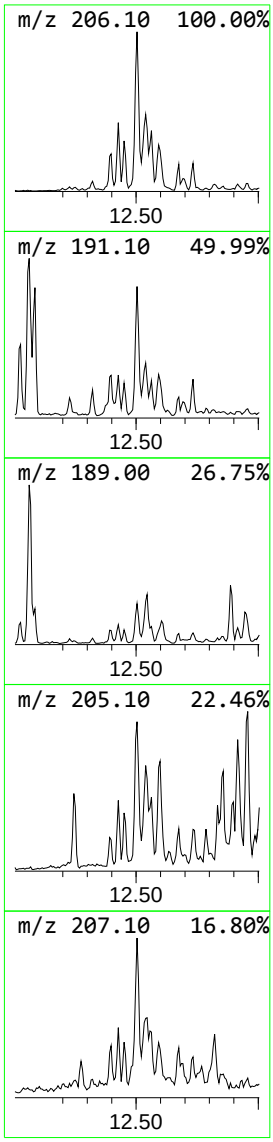
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	36.55 ng	766789	Phenanthrene-d10	11.445

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	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90





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Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 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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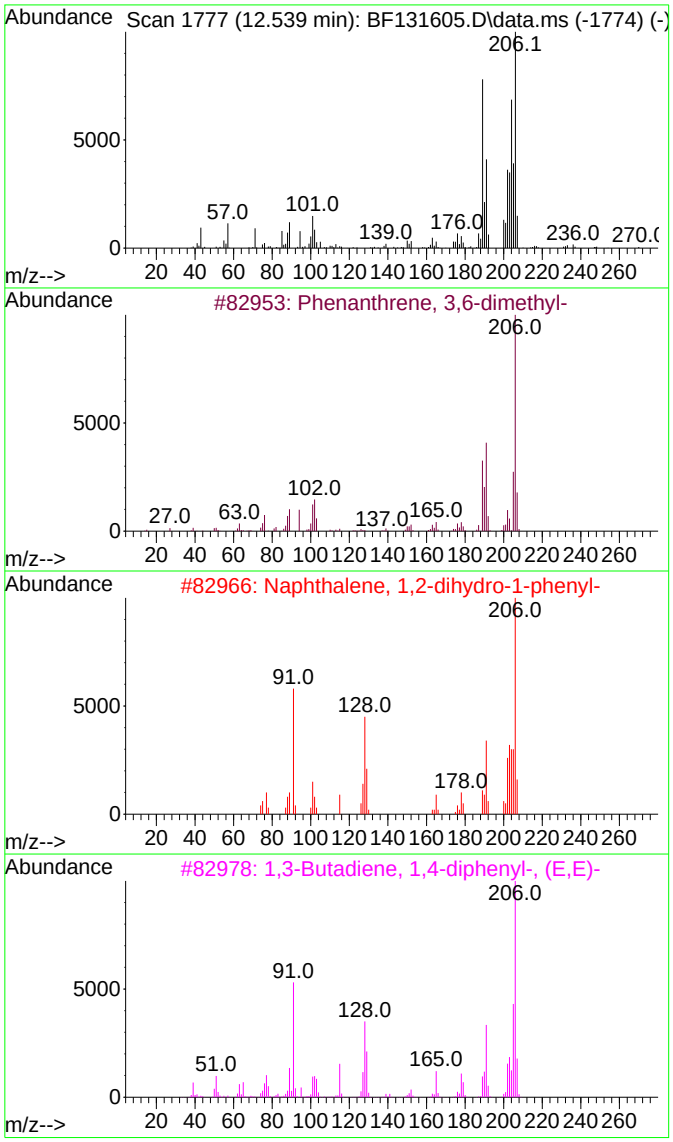
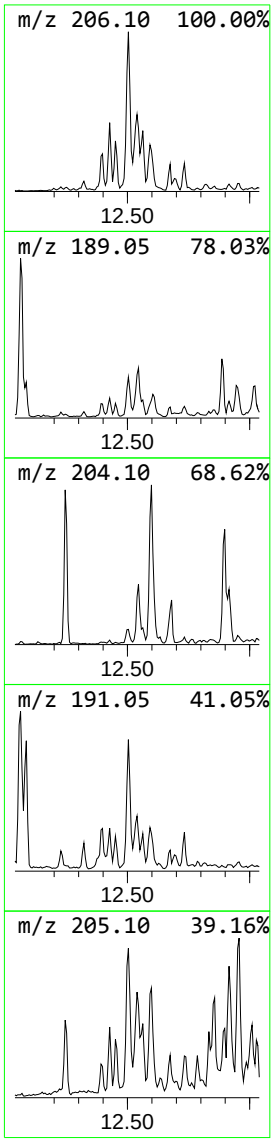
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	22.05 ng	462560	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	50
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	49
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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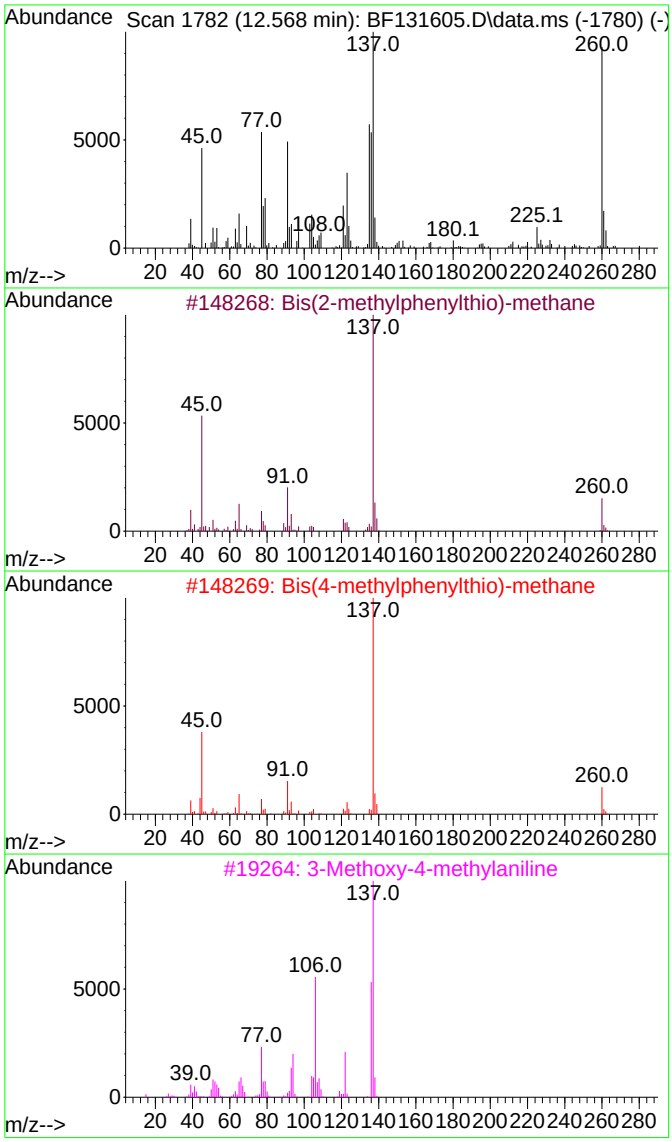
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

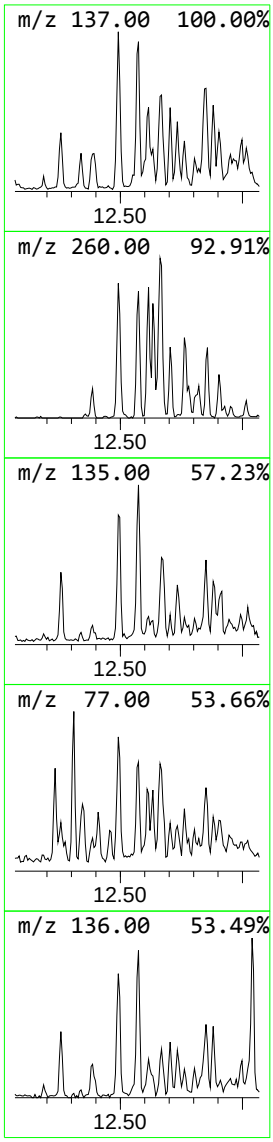
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Bis(2-methylphenylthio)-met... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.568	13.13 ng	275389	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-methylphenylthio)-methane	260	C15H16S2	069984-33-4	60
2	Bis(4-methylphenylthio)-methane	260	C15H16S2	017241-04-2	49
3	3-Methoxy-4-methylaniline	137	C8H11NO	016452-01-0	35
4	Angolensin	272	C16H16O4	004842-48-2	27
5	1,4-Benzenediamine, N,N'-diphenyl-	260	C18H16N2	000074-31-7	22





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ALS Vial : 18 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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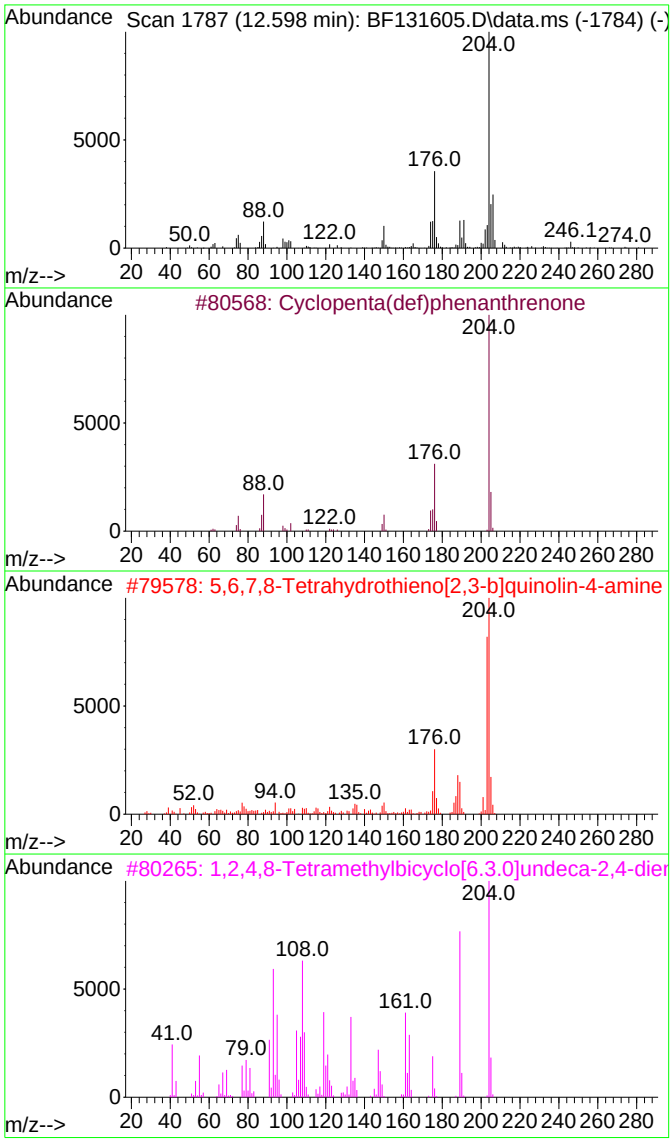
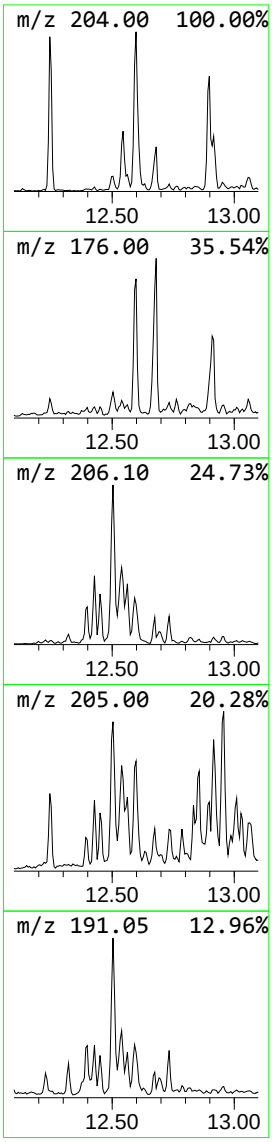
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.598	28.83 ng	604808	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	52
5	1,6-Dimethyl-3,4-benzo-2-thiabic...	204	C12H12OS	1000427-88-8	50





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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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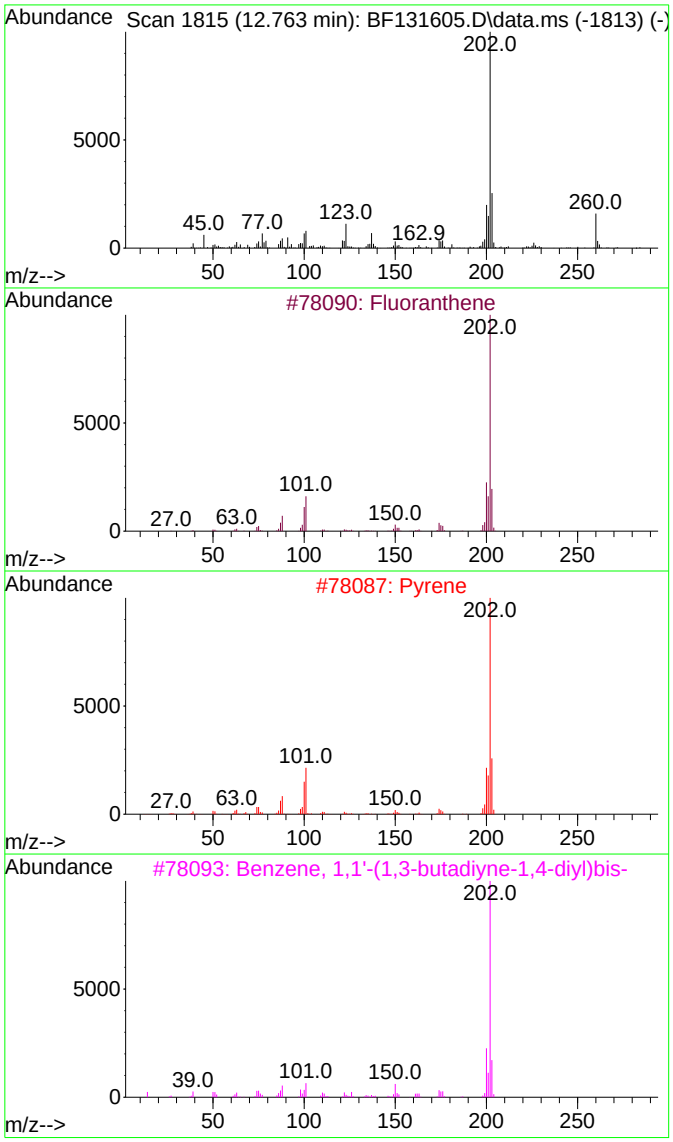
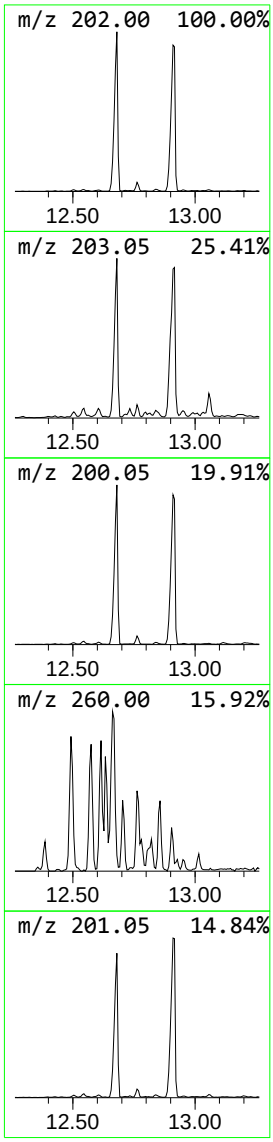
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.762	14.90 ng	312568	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Pyrene	202	C16H10	000129-00-0	70
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	62
4	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	53
5	2,3-Dichlorobenzo[b]thiophene	202	C8H4Cl2S	1000298-87-9	37





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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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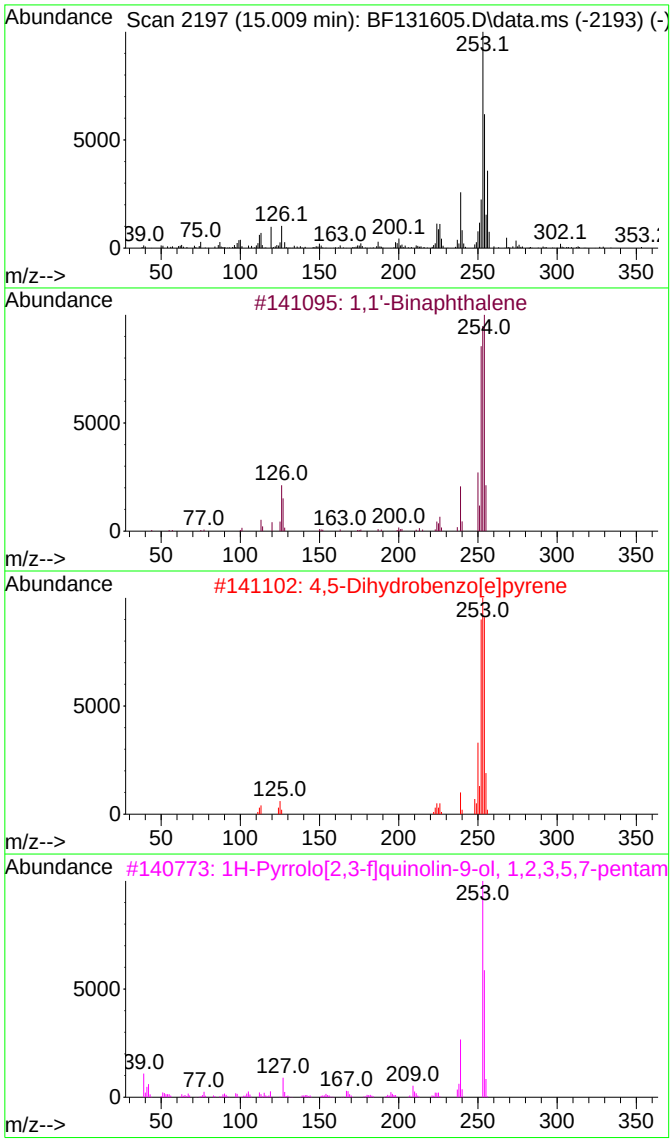
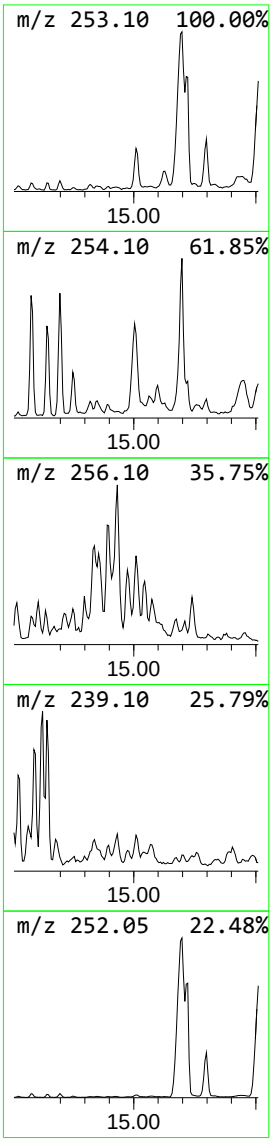
Peak Number 15 1,1'-Binaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.009	12.56 ng	223106	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	78
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	62
3	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	58
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	52





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Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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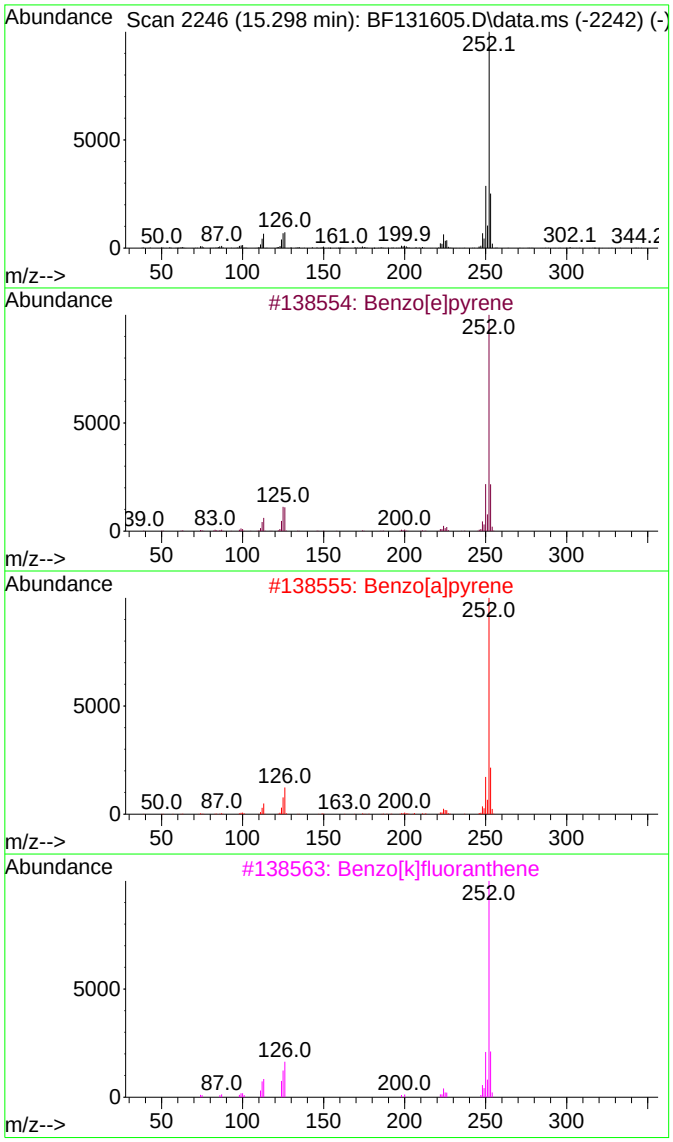
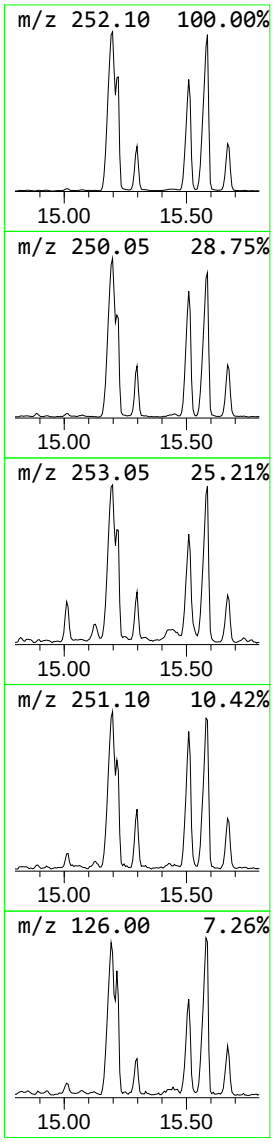
Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	25.74 ng	457063	Perylene-d12	15.633

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





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Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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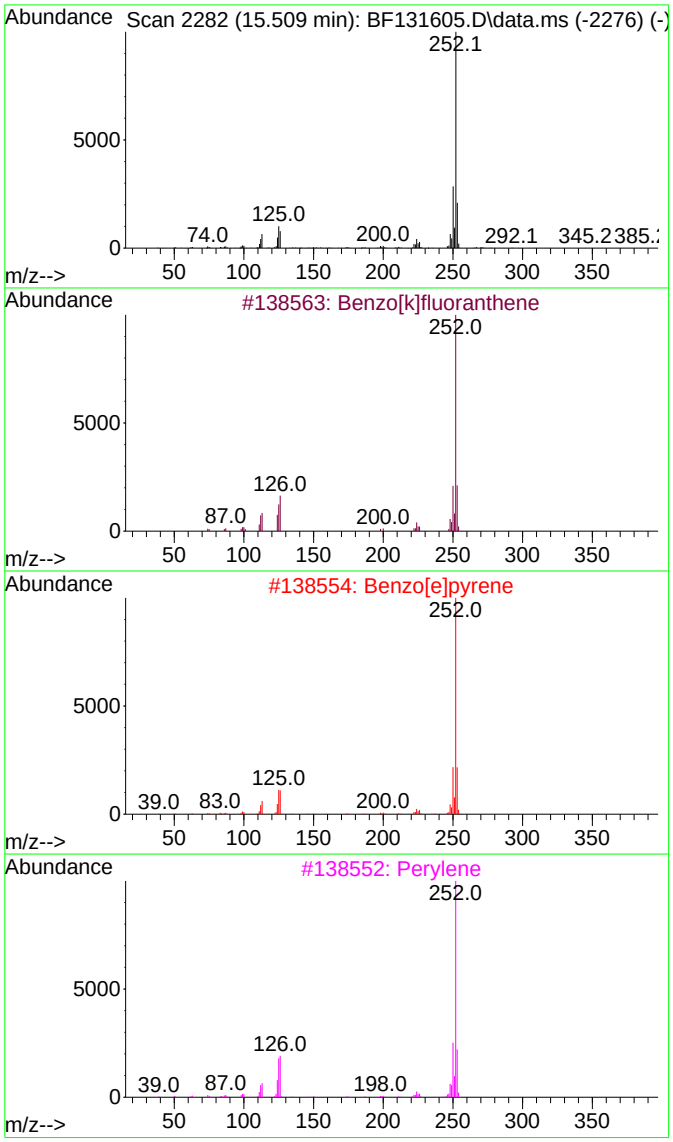
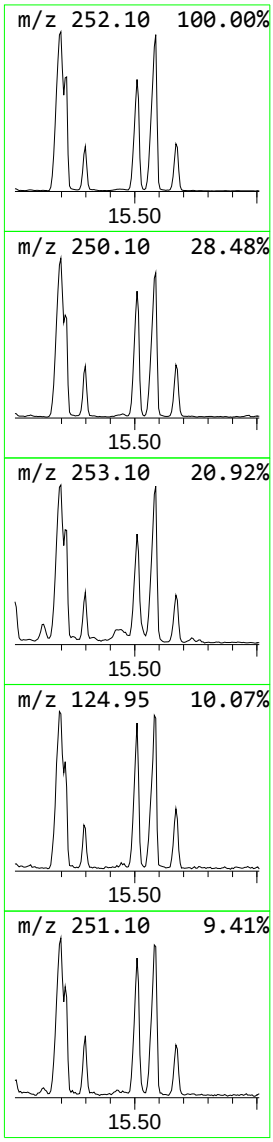
Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.509	94.13 ng	1671700	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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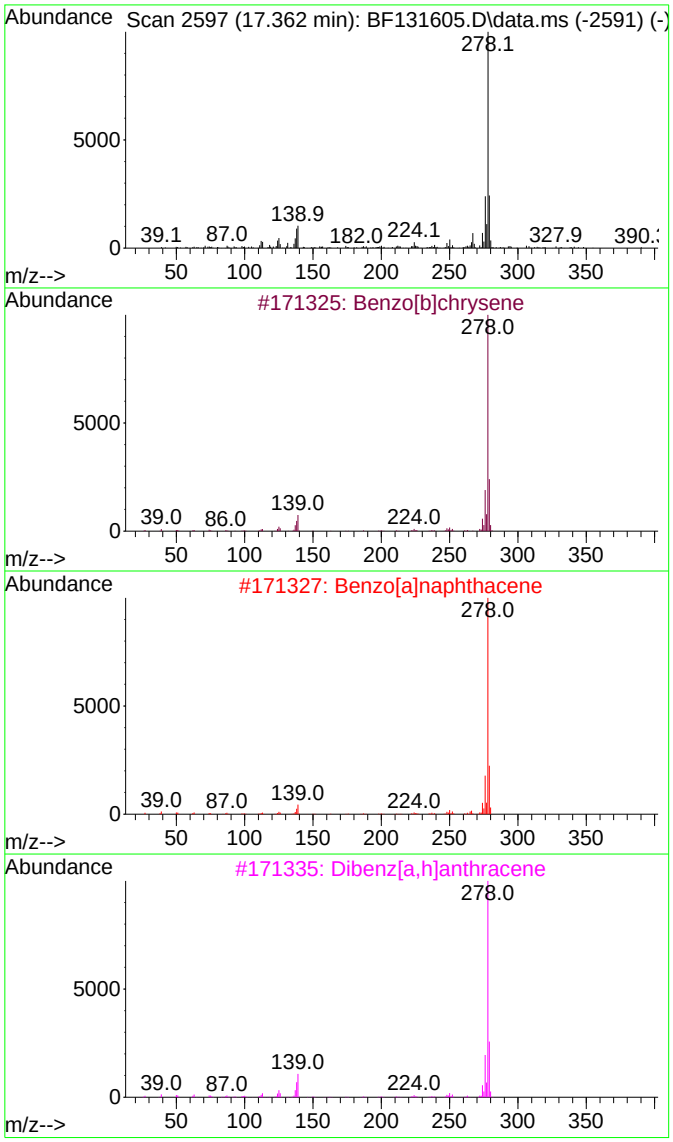
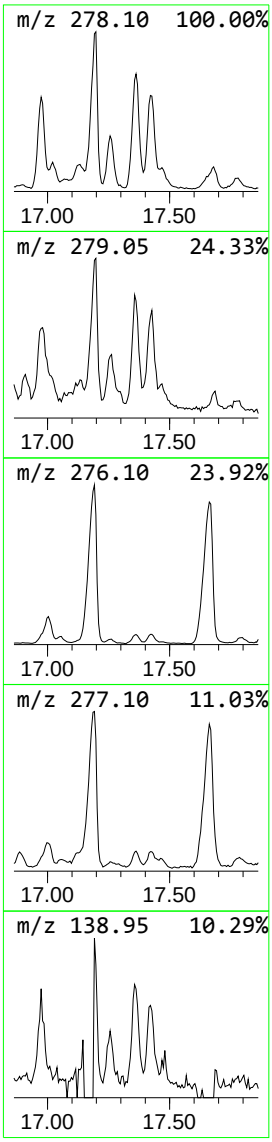
Peak Number 18 Benzo[b]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.362	15.60 ng	276998	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	97
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
5	Pentaphene	278	C22H14	000222-93-5	93





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Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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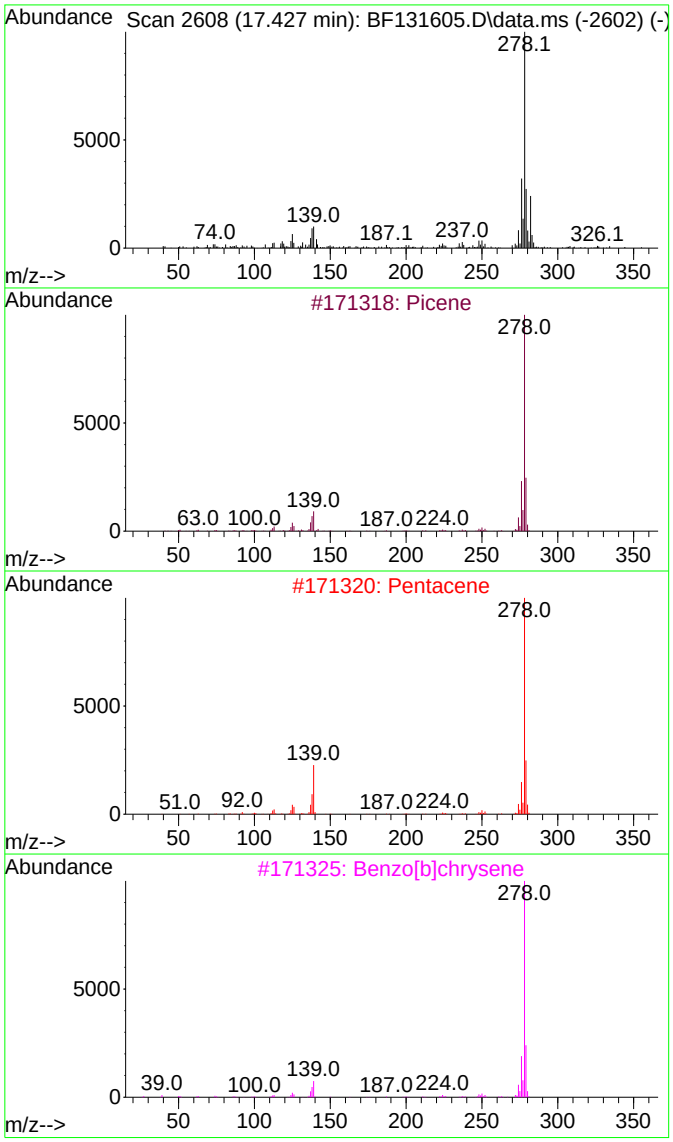
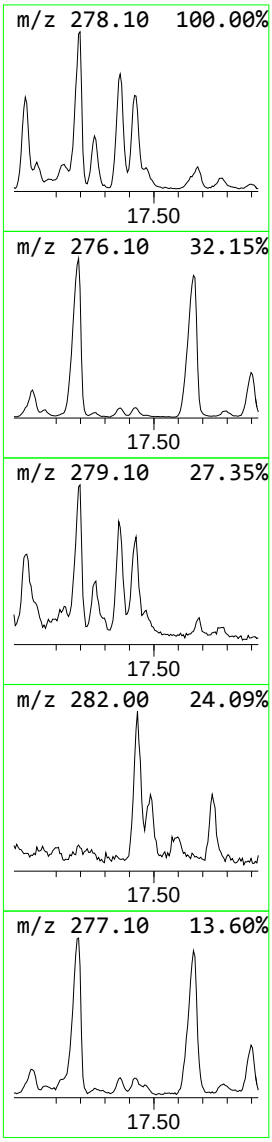
Peak Number 19 Picene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.427	13.26 ng	235538	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Pentacene	278	C22H14	000135-48-8	93
3	Benzo[b]chrysene	278	C22H14	000214-17-5	86
4	Pentaphene	278	C22H14	000222-93-5	83
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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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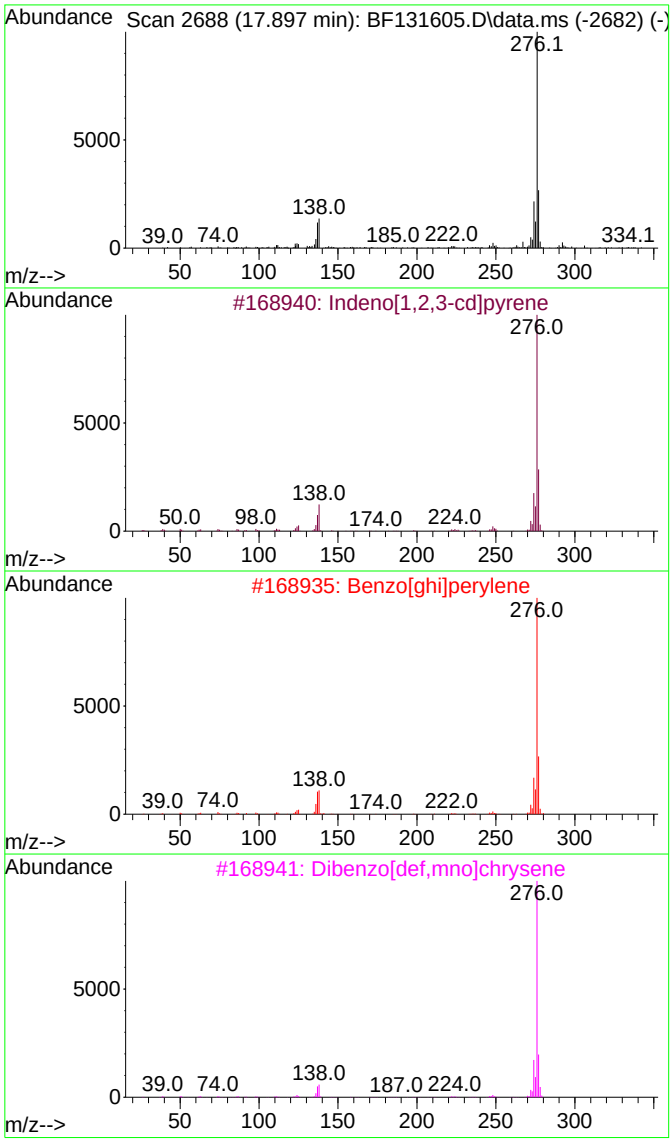
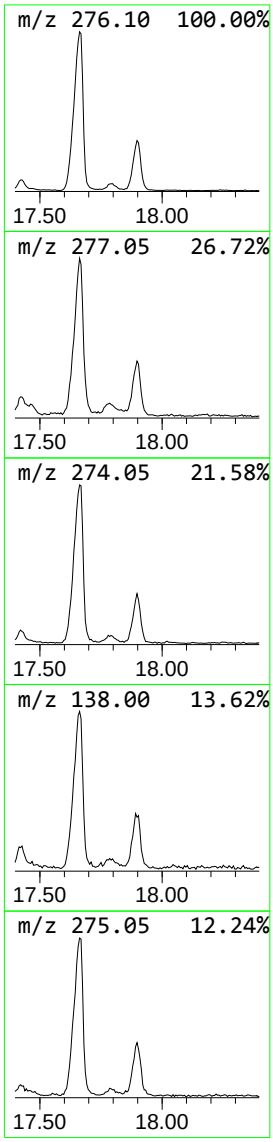
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	26.20 ng	465225	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131605.D
Acq On : 12 Dec 2022 21:50
Operator : CG\JU
Sample : N5964-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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...	2.163	28.1	ng	534599	1	6.892	380678	20.0
2-Pentanone, 4-...	5.104	11.8	ng	224321	1	6.892	380678	20.0
Benzenethiol, 2...	7.386	20.4	ng	388926	1	6.892	380678	20.0
unknown10.863	10.863	14.1	ng	296221	4	11.445	419544	20.0
Anthracene, 1-m...	11.951	14.4	ng	301135	4	11.445	419544	20.0
Phenanthrene, 2...	11.974	22.8	ng	478633	4	11.445	419544	20.0
4H-Cyclopenta[d...	12.063	32.7	ng	686751	4	11.445	419544	20.0
Phenanthrene, 1...	12.086	11.8	ng	247890	4	11.445	419544	20.0
Naphthalene, 2-...	12.245	24.3	ng	508737	4	11.445	419544	20.0
Phenanthrene, 2...	12.504	36.5	ng	766789	4	11.445	419544	20.0
Phenanthrene, 3...	12.539	22.1	ng	462560	4	11.445	419544	20.0
Bis(2-methylphe...	12.568	13.1	ng	275389	4	11.445	419544	20.0
Cyclopenta(def)...	12.598	28.8	ng	604808	4	11.445	419544	20.0
Benzene, 1,1'-(...	12.762	14.9	ng	312568	4	11.445	419544	20.0
1,1'-Binaphthalene	15.009	12.6	ng	223106	6	15.633	355182	20.0
Benzo[e]pyrene	15.298	25.7	ng	457063	6	15.633	355182	20.0
Perylene	15.509	94.1	ng	1671700	6	15.633	355182	20.0
Benzo[b]chrysene	17.362	15.6	ng	276998	6	15.633	355182	20.0
Picene	17.427	13.3	ng	235538	6	15.633	355182	20.0
Dibenzo[def,mno...	17.898	26.2	ng	465225	6	15.633	355182	20.0