LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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: BF131607.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	6	12	rVB	188310	229047	10.96%	0.854%
2	5.093	507	511	517	rBB	97285	95546	4.57%	0.356%
3	5.510	578	582	585	rBV	841860	706904	33.83%	2.634%
4	6.528	751	755	763	rVB	858420	712777	34.11%	2.656%
5	6.892	813	817	820	rBV	505937	384708	18.41%	1.434%
6	7.457	909	913	916	rVB	553075	429273	20.54%	1.600%
7	8.181	1032	1036	1038	rBV	531906	465781	22.29%	1.736%
8	8.204	1038	1040	1043	rVB	357278	255388	12.22%	0.952%
9	8.898	1154	1158	1161	rBV	231719	178930	8.56%	0.667%
10	8.998	1170	1175	1178	rBV	205297	160552	7.68%	0.598%
11	9.263	1216	1220	1223	rVB	1029984	776721	37.17%	2.895%
12	9.363	1235	1237	1242	rVB	49357	40833	1.95%	0.152%
13	9.533	1259	1266	1269	rBV	89250	117911	5.64%	0.439%
14	9.604	1274	1278	1280	rVV	145179	142978	6.84%	0.533%
15	9.628	1280	1282	1285	rVV	84565	77543	3.71%	0.289%
16	9.722	1295	1298	1303	rVB	77667	74777	3.58%	0.279%
17	9.810	1309	1313	1316	rVB	266447	217834	10.42%	0.812%
18	9.928	1330	1333	1334	rBV	47454	39602	1.89%	0.148%
19	9.951	1334	1337	1339	rVV	566221	489945	23.44%	1.826%
20	9.981	1339	1342	1345	rVV	256453	200001	9.57%	0.745%
21	10.104	1358	1363	1366	rBV5	23185	40446	1.94%	0.151%
22	10.151	1367	1371	1375	rVV	266315	259660	12.42%	0.968%
23	10.192	1375	1378	1381	rVB	55962	48666	2.33%	0.181%
24	10.263	1386	1390	1393	rBV2	65680	71868	3.44%	0.268%
25	10.292	1393	1395	1401	rVB	44979	43340	2.07%	0.162%
26	10.351	1401	1405	1407	rBV3	43945	56372	2.70%	0.210%
27	10.498	1427	1430	1435	rVB	502458	456147	21.83%	1.700%
28	10.586	1443	1445	1447	rVV2	49019	40859	1.96%	0.152%
29	10.610	1447	1449	1452	rVV2	38914	39523	1.89%	0.147%
30	10.657	1454	1457	1460	rVB	102245	84156	4.03%	0.314%
31	10.739	1465	1471	1475	rBV	626223	614621	29.41%	2.290%
32	10.851	1487	1490	1491	rBV2	51368	43625	2.09%	0.163%
33	10.869	1491	1493	1498	rVB2	56442	57275	2.74%	0.213%
34	11.051	1518	1524	1526	rBV2	119134	142082	6.80%	0.529%
35	11.080	1526	1529	1531	rVB2	55081	50134	2.40%	0.187%
36	11.133	1535	1538	1541	rVB	61073	48441	2.32%	0.181%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-518-COMP-04

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	11.175	1541	1545	1548	rBV2	46325	63480	3.04%	0.237%
38	11.251	1555	1558	1561	rVB2	61050	57624	2.76%	0.215%
39	11.292	1561	1565	1569	rVV2	57465	77303	3.70%	0.288%
40	11.339	1569	1573	1579	rVB	183020	177258	8.48%	0.661%
41	11.445	1585	1591	1593	rBV	512746	532858	25.50%	1.986%
42	11.475	1593	1596	1599	rVV	2119764	2037191	97.48%	7.592%
43	11.522	1599	1604	1607	rVV	569357	547678	26.21%	2.041%
44	11.557	1607	1610	1612	rVV2	92003	105955	5.07%	0.395%
45	11.604	1615	1618	1623	rVV4	35238	60836	2.91%	0.227%
46	11.663	1625	1628	1629	rVV	64385	65529	3.14%	0.244%
47	11.680	1629	1631	1637	rVV	387138	334158	15.99%	1.245%
48	11.745	1638	1642	1645	rVV4	68712	90345	4.32%	0.337%
49	11.780	1645	1648	1652	rVV2	84044	97206	4.65%	0.362%
50	11.833	1652	1657	1659	rVV5	26117	43224	2.07%	0.161%
51	11.863	1659	1662	1665	rVV	41691	41490	1.99%	0.155%
52	11.951	1674	1677	1679	rBV	286532	229540	10.98%	0.855%
53	11.980	1679	1682	1685	rVB	442198	363711	17.40%	1.355%
54	12.027	1687	1690	1693	rVB	157747	133002	6.36%	0.496%
55	12.069	1693	1697	1699	rBV2	549878	610416	29.21%	2.275%
56	12.086	1699	1700	1703	rVB	202874	111912	5.35%	0.417%
57	12.133	1704	1708	1710	rBV4	48601	69119	3.31%	0.258%
58	12.222	1719	1723	1725	rBV3	29947	43394	2.08%	0.162%
59	12.245	1725	1727	1730	rVV	180634	168157	8.05%	0.627%
60	12.274	1730	1732	1735	rVB2	150260	115074	5.51%	0.429%
61	12.427	1755	1758	1760	rVB	80522	58607	2.80%	0.218%
62	12.451	1760	1762	1765	rVB	66131	50383	2.41%	0.188%
63	12.504	1767	1771	1774	rBV	143329	177962	8.52%	0.663%
64	12.539	1774	1777	1780	rVV2	113840	145763	6.97%	0.543%
65	12.592	1783	1786	1791	rBV2	83174	117035	5.60%	0.436%
66	12.674	1795	1800	1803	rBV	2342927	2089866	100.00%	7.788%
67	12.763	1812	1815	1818	rVB	129699	104667	5.01%	0.390%
68	12.821	1822	1825	1828	rVV2	86930	89004	4.26%	0.332%
69	12.904	1832	1839	1844	rBV2	1792375	2075042	99.29%	7.733%
70	12.945	1844	1846	1851	rVB2	106487	115942	5.55%	0.432%
71	13.016	1855	1858	1860	rBV	123783	141569	6.77%	0.528%
72	13.039	1860	1862	1869	rVB2	881356	862196	41.26%	3.213%
73	13.116	1870	1875	1879	rBV3	146557	251001	12.01%	0.935%
74	13.151	1879	1881	1883	rBV	54026	37328	1.79%	0.139%
75	13.204	1886	1890	1892	rBV4	134937	176625	8.45%	0.658%
76	13.227	1892	1894	1897	rVB	413683	381603	18.26%	1.422%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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	13.263	1897	1900	1903	rBV4	50599	68404	3.27%	0.255%
78	13.298	1903	1906	1908	rVV	370551	312051	14.93%	1.163%
79	13.333	1908	1912	1915	rVV2	221920	228403	10.93%	0.851%
80	13.392	1919	1922	1925	rBV3	51379	60614	2.90%	0.226%
81	13.427	1925	1928	1930	rVB	97958	76435	3.66%	0.285%
82	13.457	1930	1933	1936	rBV	111594	106349	5.09%	0.396%
83	13.610	1956	1959	1961	rBV3	80292	94801	4.54%	0.353%
84	13.710	1974	1976	1979	rBV	61970	76360	3.65%	0.285%
85	13.851	1997	2000	2003	rBV	117512	118373	5.66%	0.441%
86	13.880	2003	2005	2007	rVV	143661	111449	5.33%	0.415%
87	13.904	2007	2009	2013	rVV2	97321	142831	6.83%	0.532%
88	13.945	2014	2016	2025	rVB3	89290	146891	7.03%	0.547%
89	14.098	2038	2042	2046	rBV2	902276	1262285	60.40%	4.704%
90	14.133	2046	2048	2055	rVB	745578	659654	31.56%	2.458%
91	14.210	2059	2061	2064	rVB2	103795	86872	4.16%	0.324%
92	14.251	2065	2068	2072	rBV3	107095	131398	6.29%	0.490%
93	14.492	2107	2109	2112	rVB	187525	153491	7.34%	0.572%
94	14.621	2129	2131	2132	rBV	66833	43028	2.06%	0.160%
95	15.174	2221	2225	2228	rBV	392157	594245	28.43%	2.215%
96	15.286	2241	2244	2247	rVB	102165	103216	4.94%	0.385%
97	15.492	2275	2279	2285	rBV	191244	272987	13.06%	1.017%
98	15.557	2286	2290	2297	rVB	376438	520448	24.90%	1.939%
99	15.621	2298	2301	2304	rBV	192968	227884	10.90%	0.849%
100	17.162	2558	2563	2572	rVB2	132051	290450	13.90%	1.082%

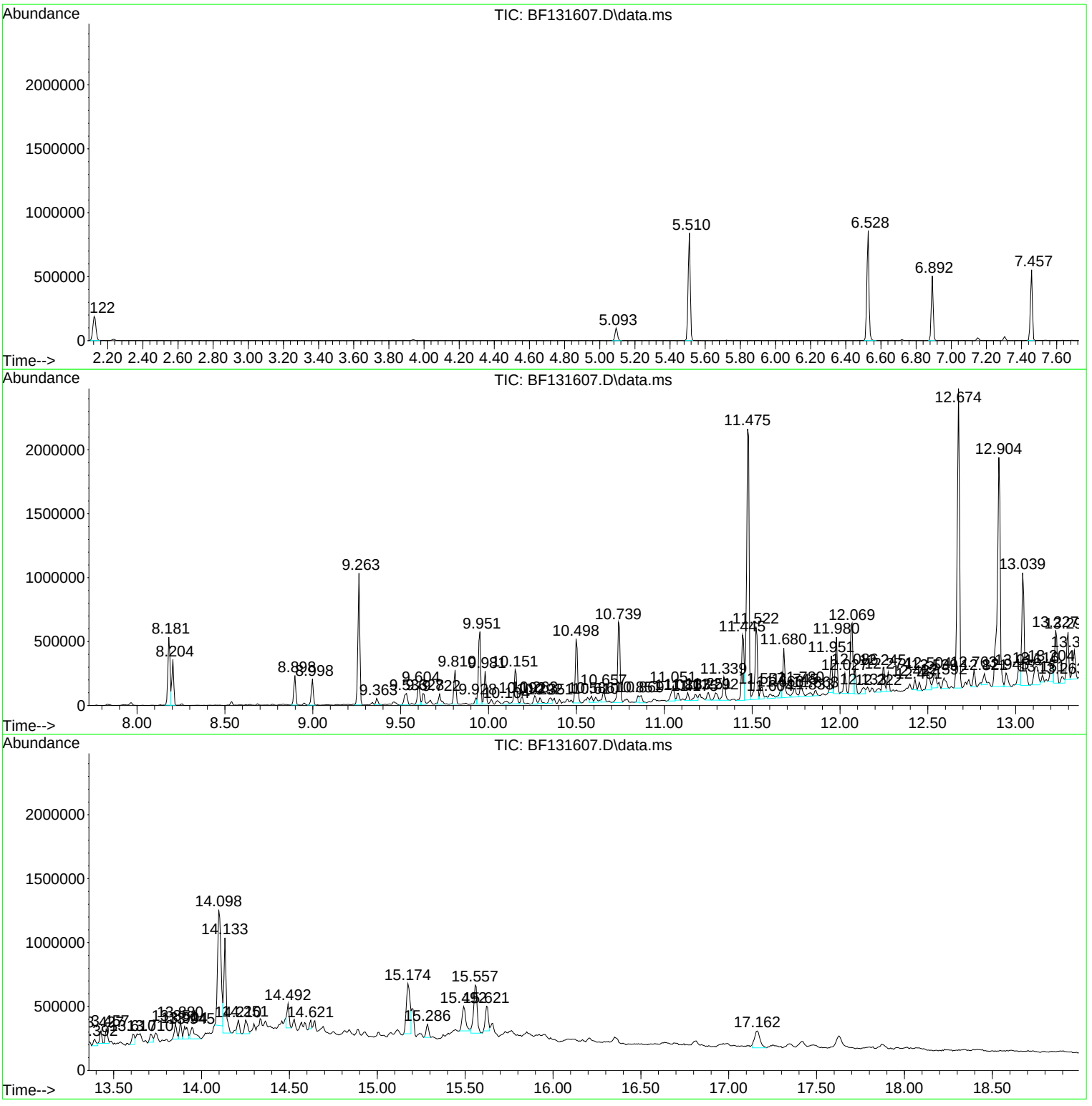
Sum of corrected areas: 26834238

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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 : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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

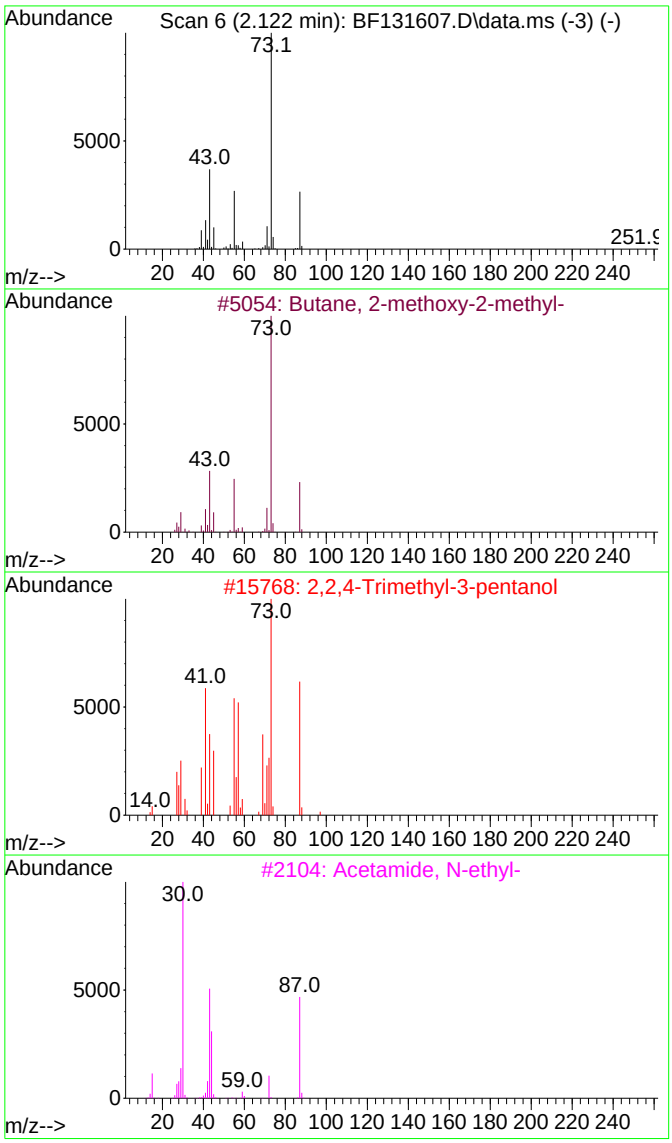
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

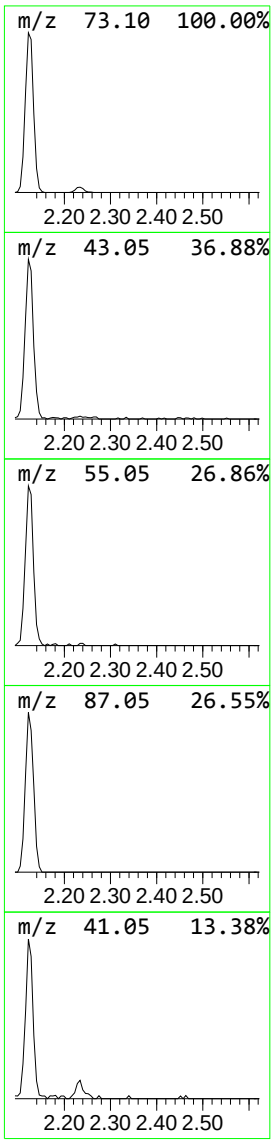
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.122	11.91 ng	229047	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	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

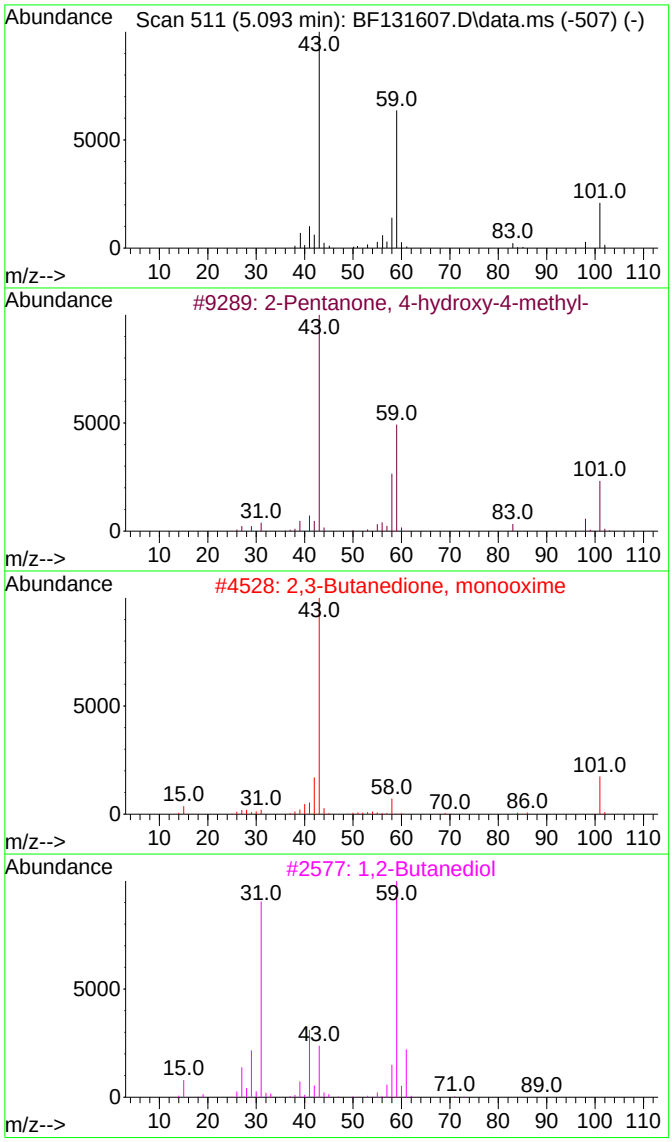
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

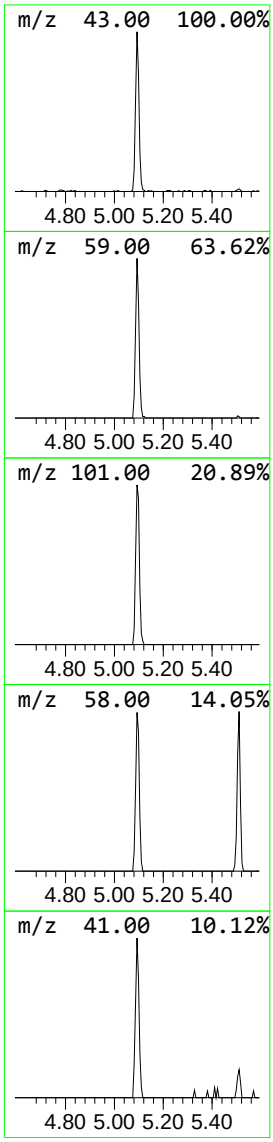
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	4.97 ng	95546	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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	1,2-Butanediol	90	C4H10O2	000584-03-2	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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

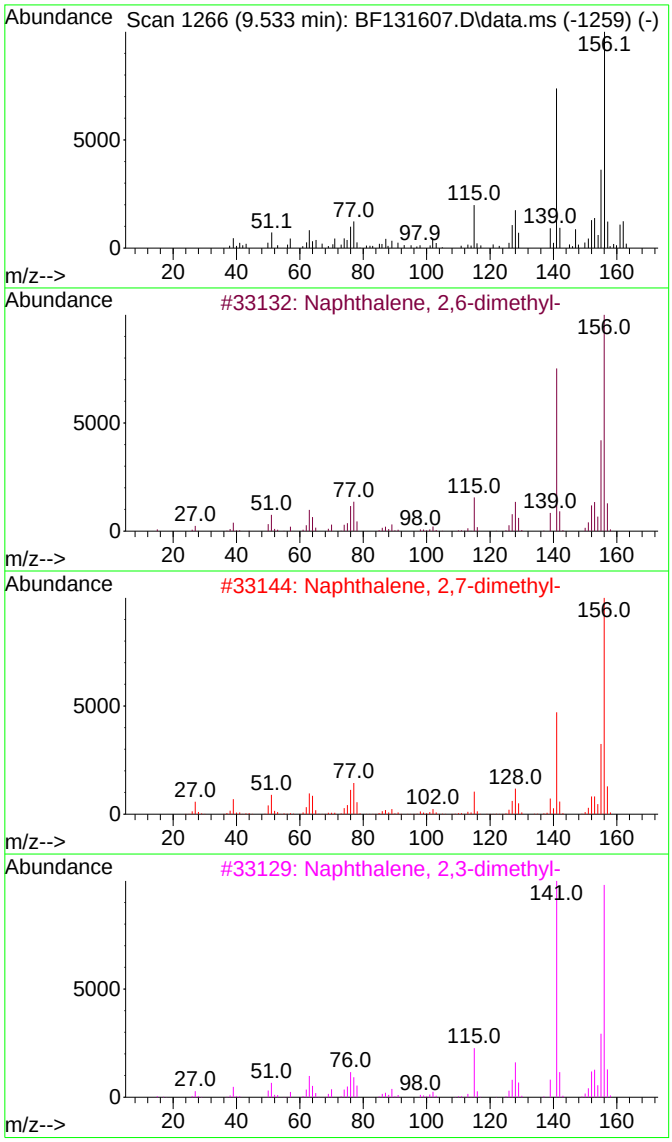
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

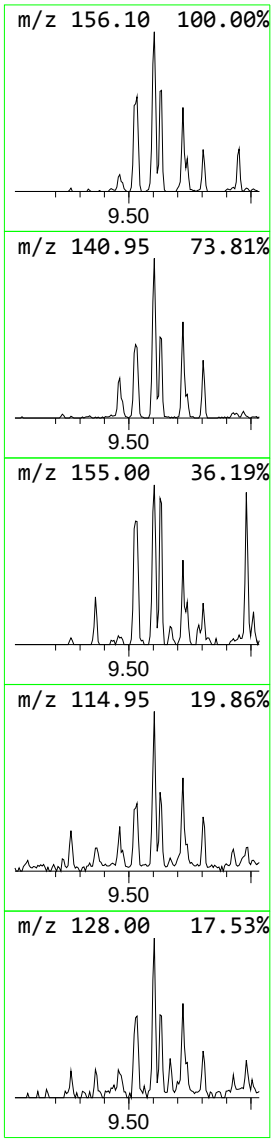
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.533	4.81 ng	117911	Acenaphthene-d10	9.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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

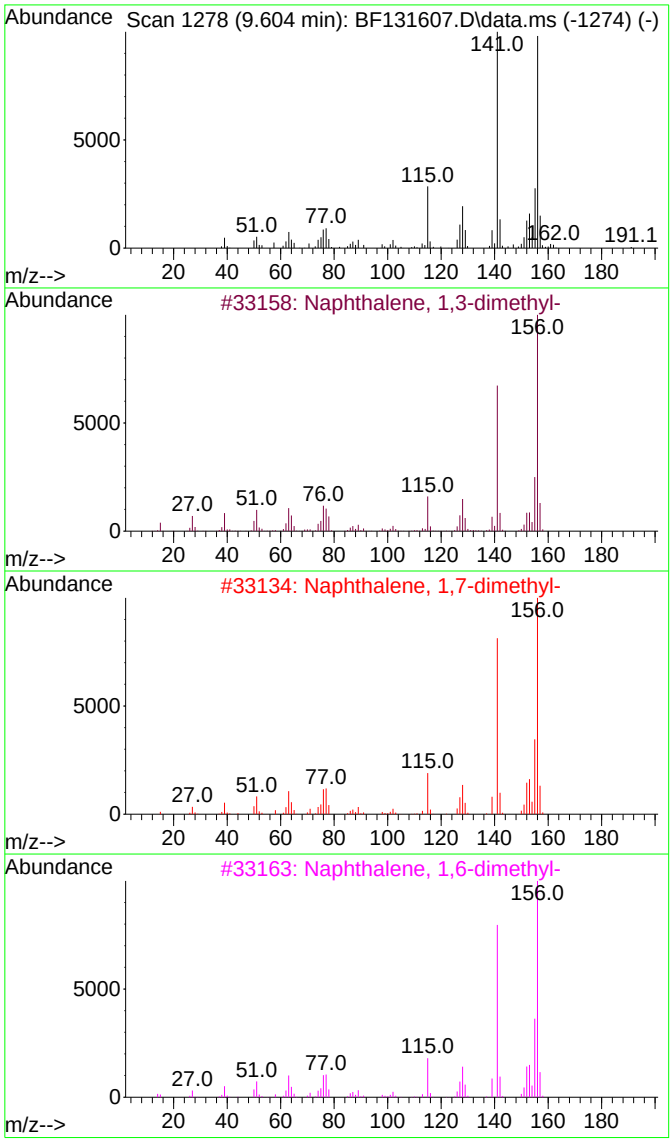
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

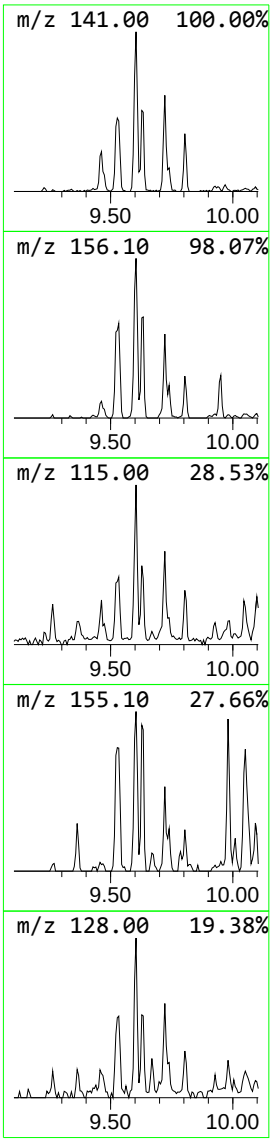
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	5.84 ng	142978	Acenaphthene-d10	9.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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

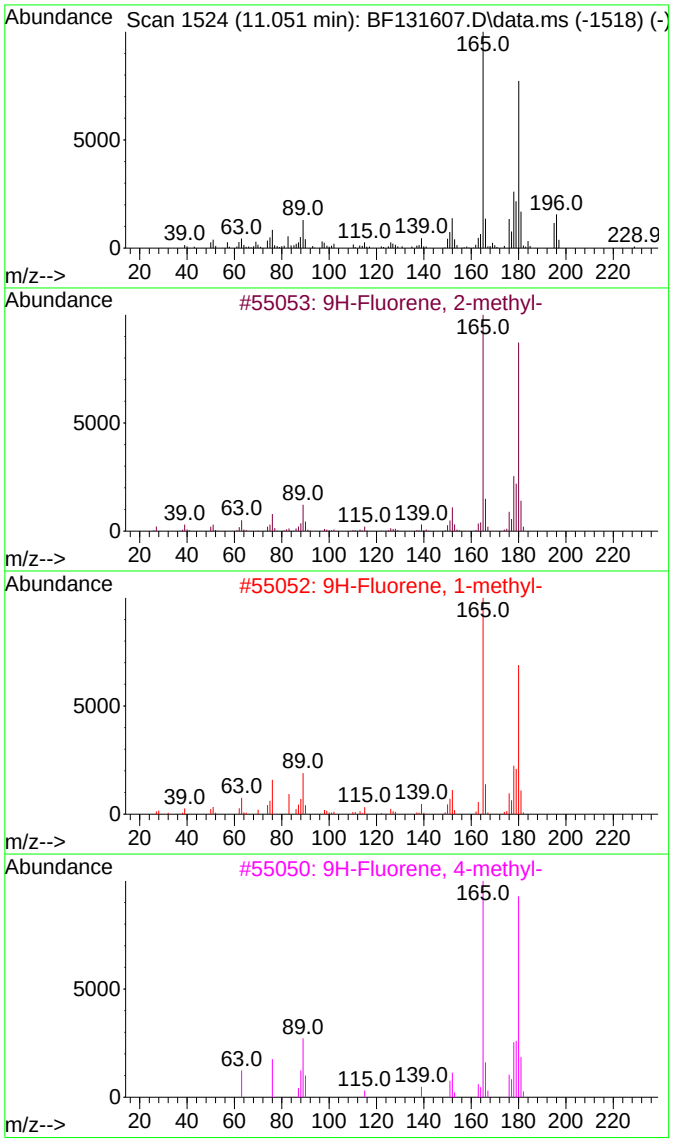
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

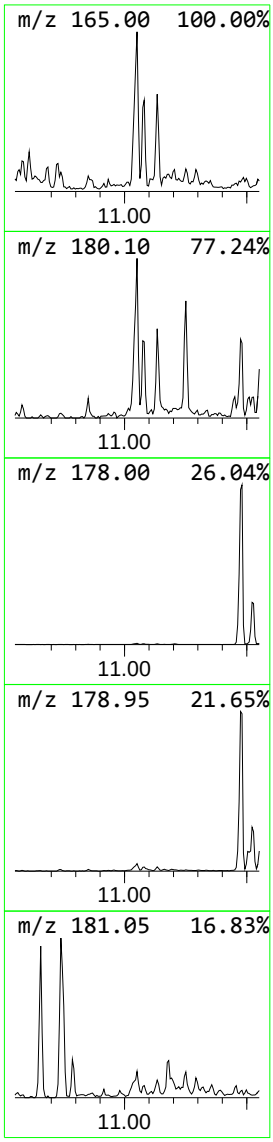
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	5.33 ng	142082	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89





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Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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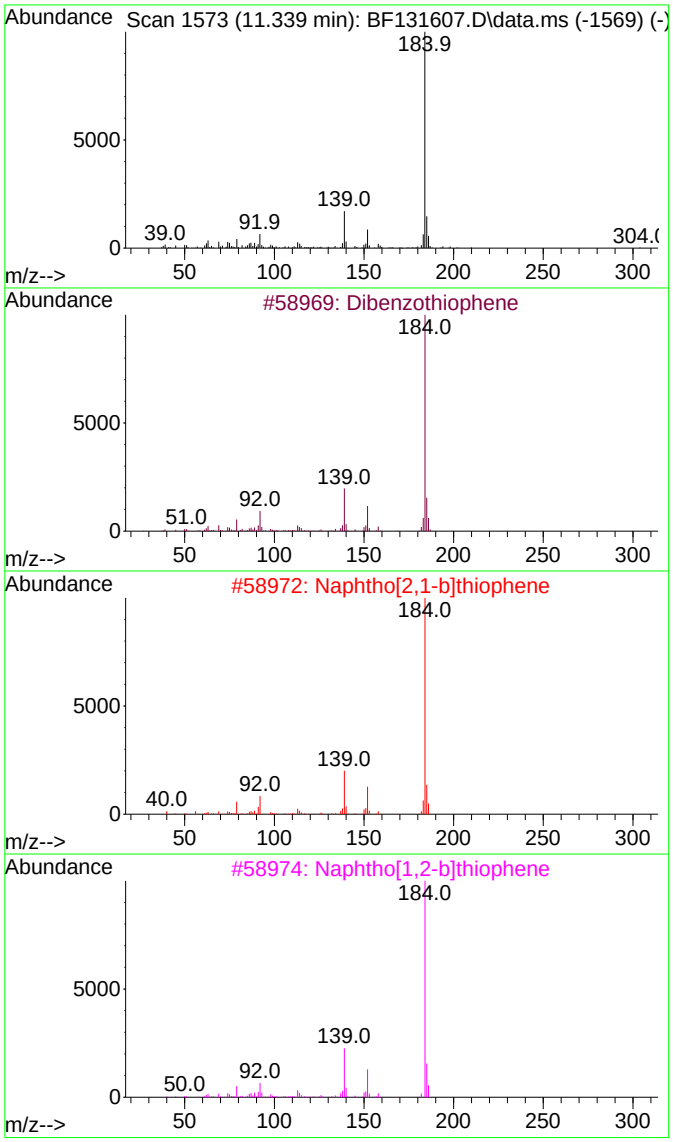
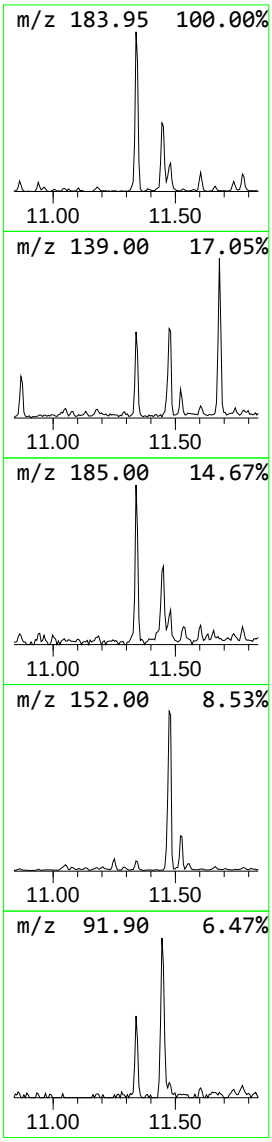
Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.339	6.65 ng	177258	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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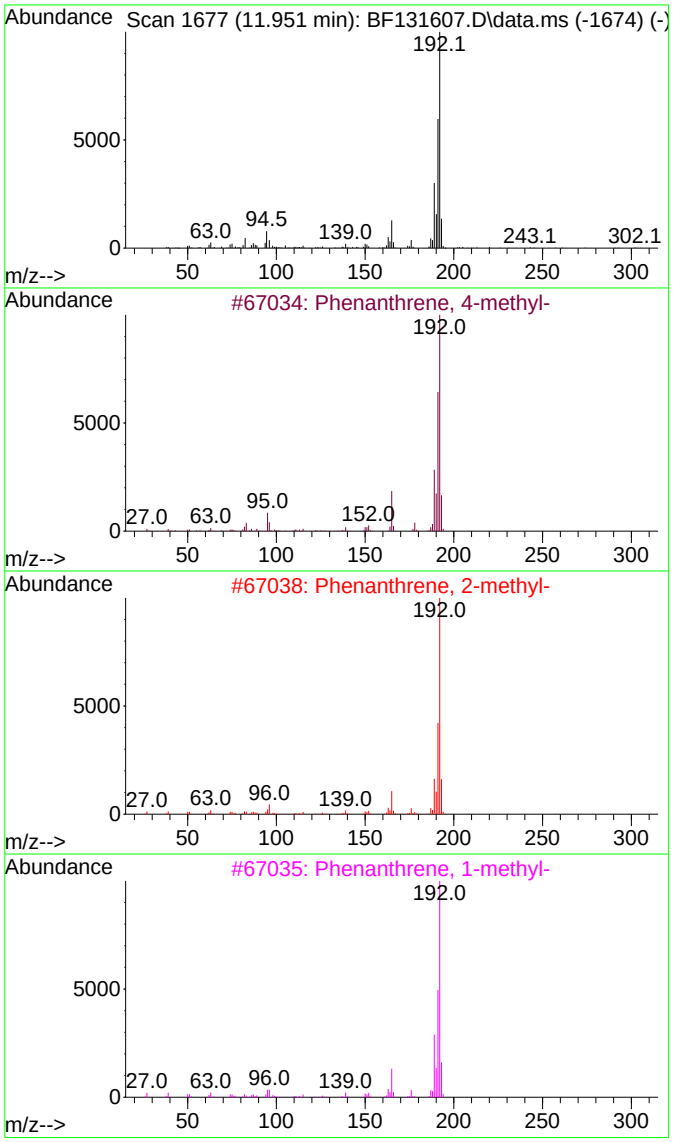
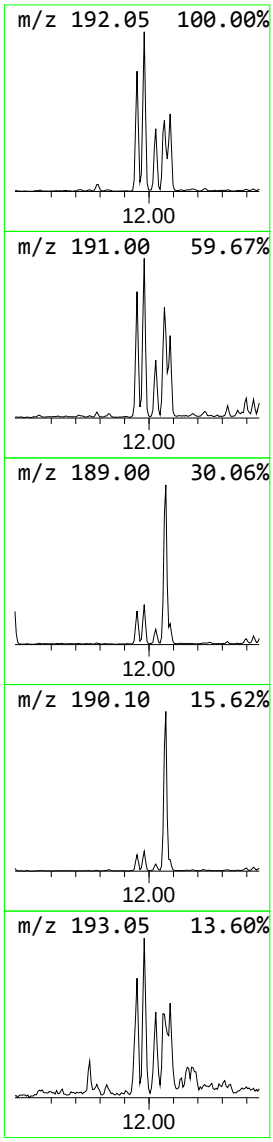
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	8.62 ng	229540	Phenanthrene-d10	11.445

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





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Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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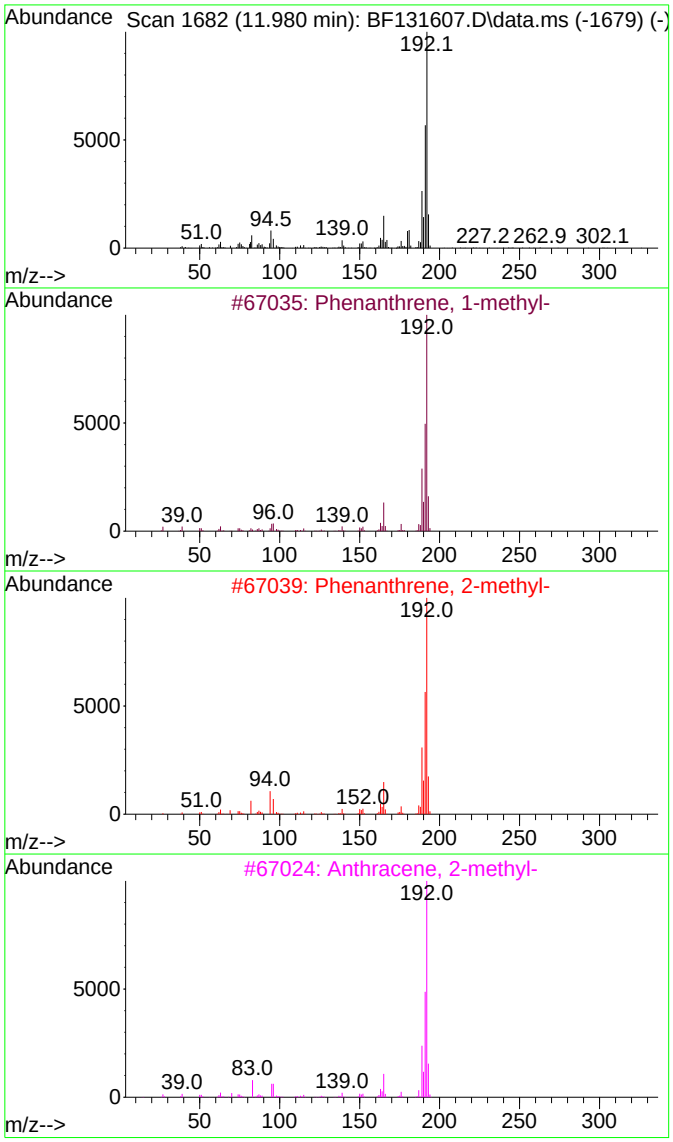
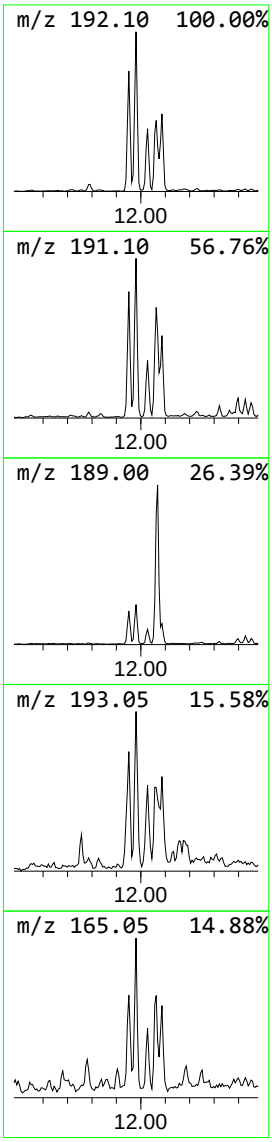
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	13.65 ng	363711	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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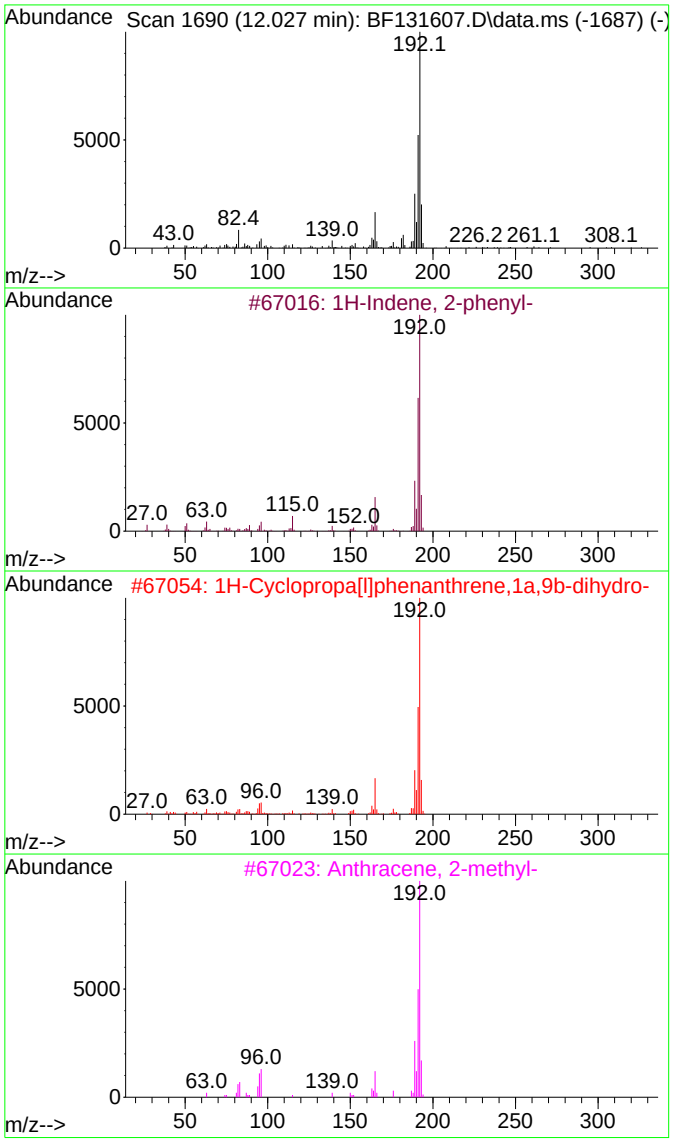
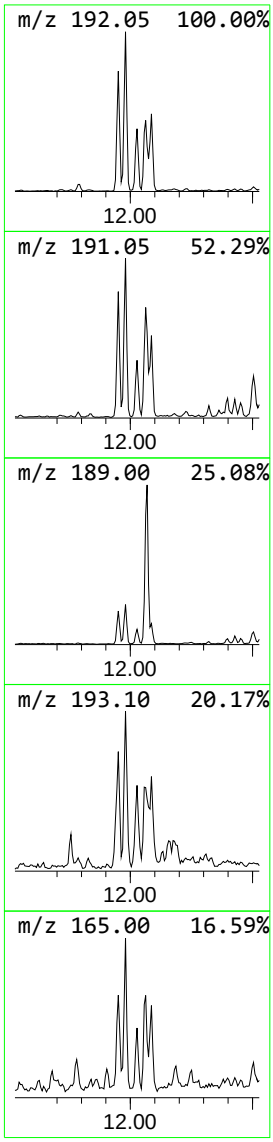
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	4.99 ng	133002	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

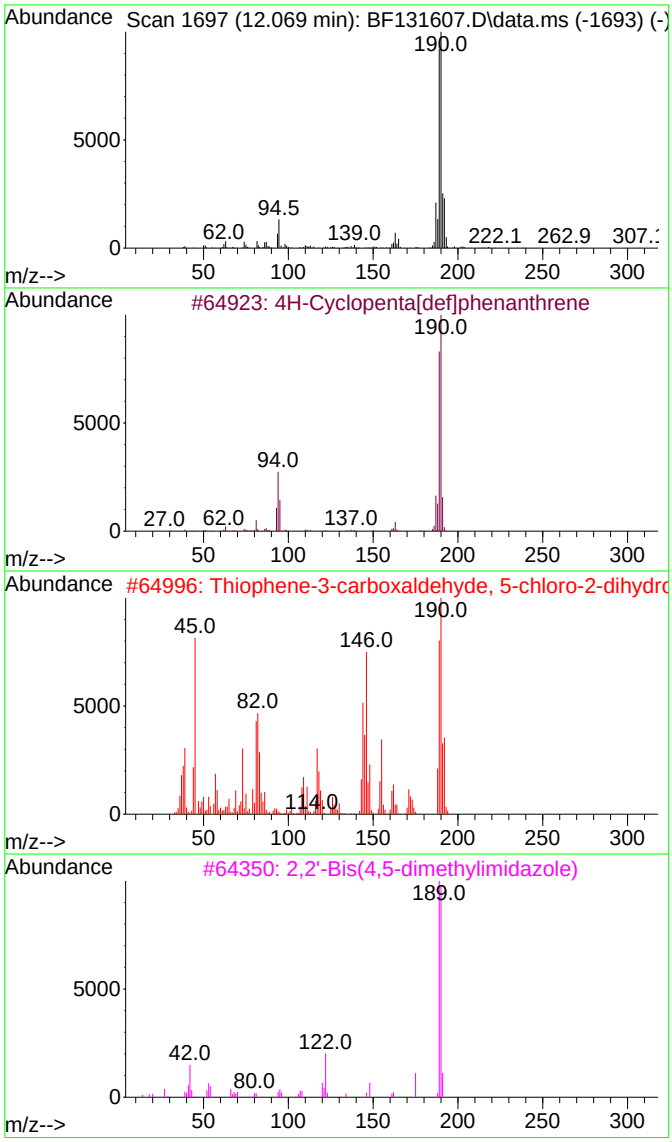
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

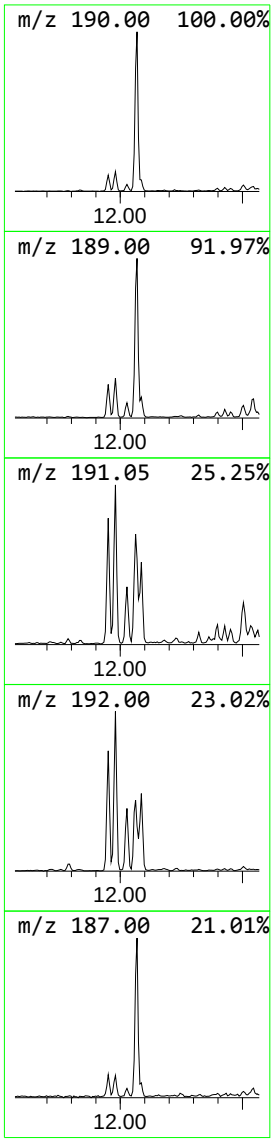
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	22.91 ng	610416	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	16





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Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

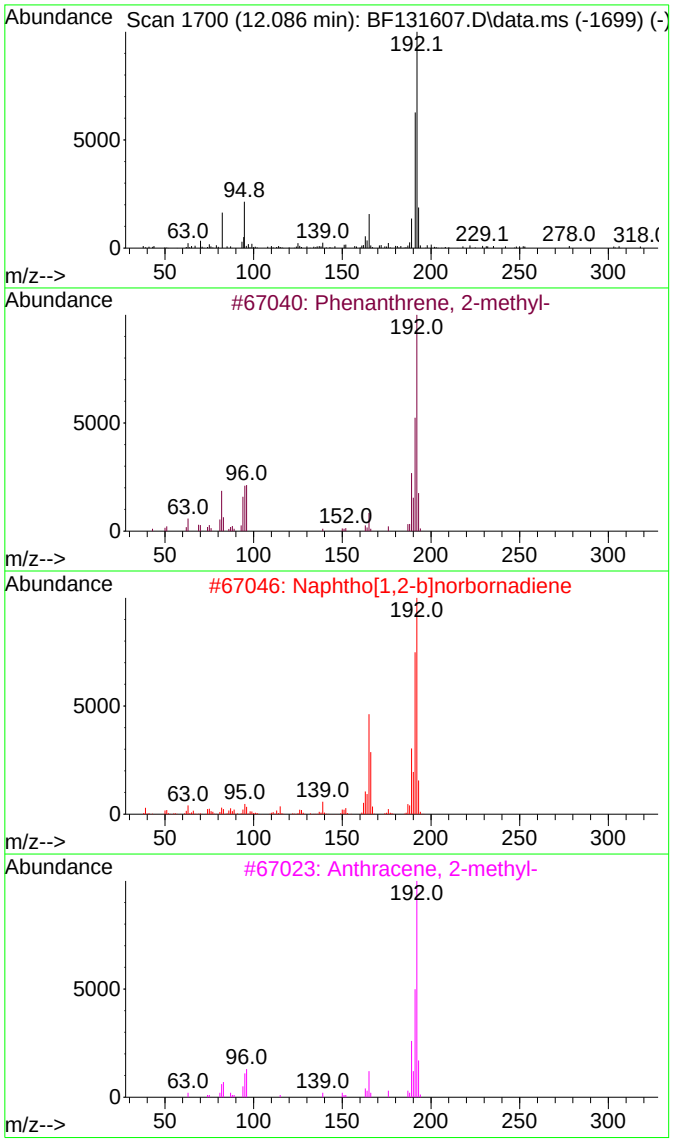
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

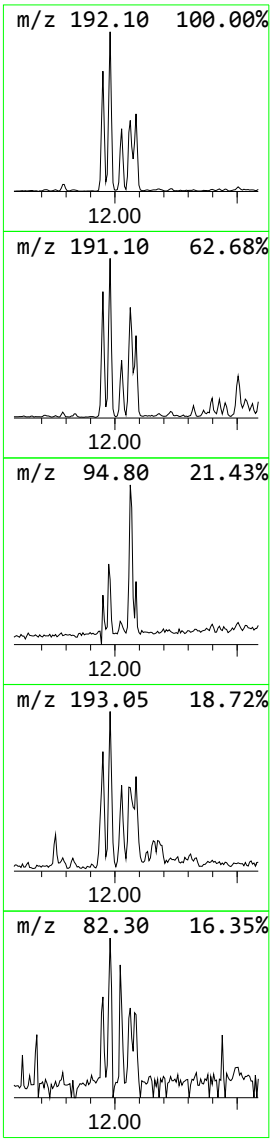
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	4.20 ng	111912	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81





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Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-518-COMP-04

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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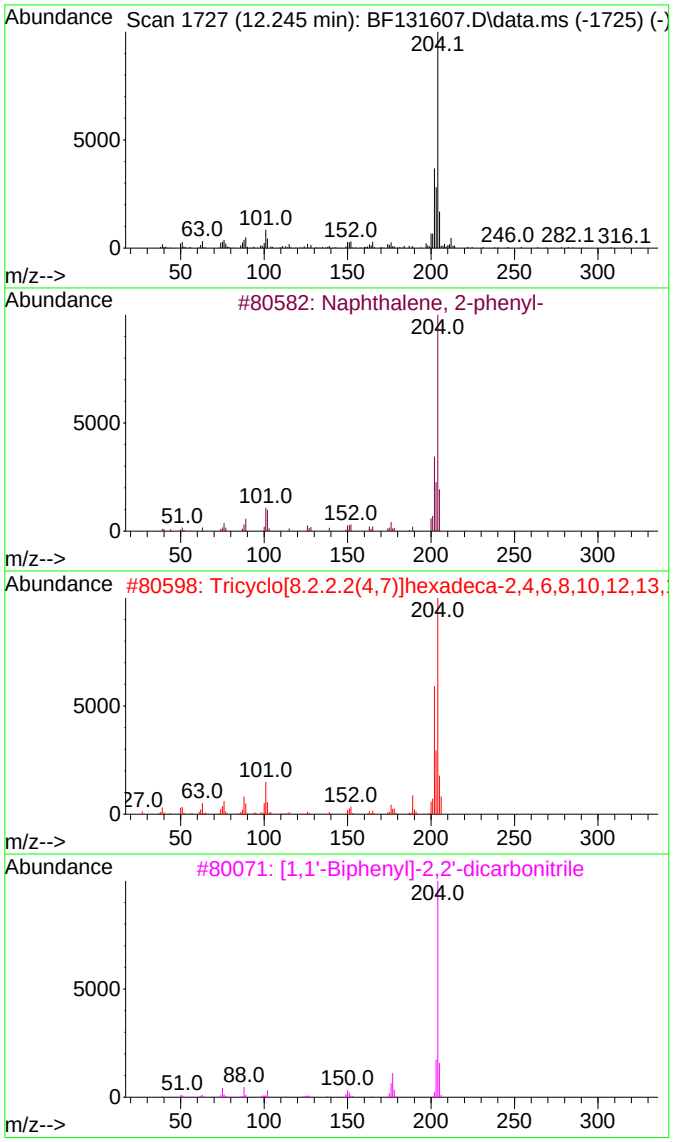
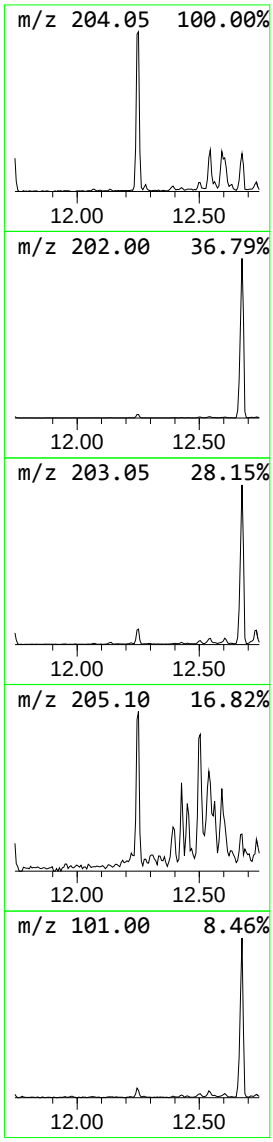
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	6.31 ng	168157	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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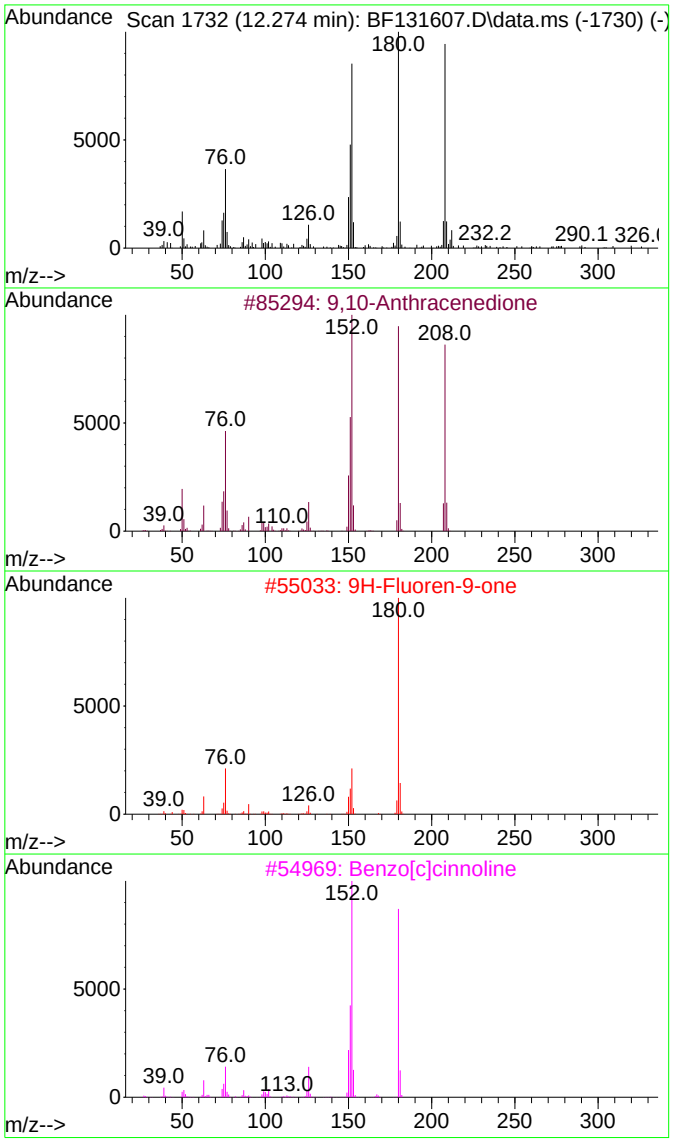
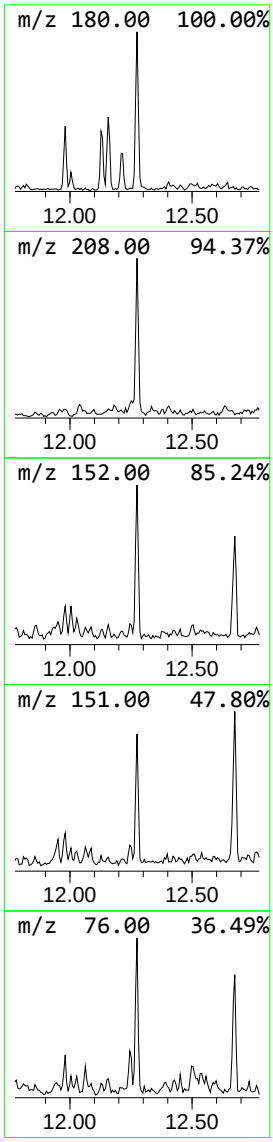
Peak Number 13 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	4.32 ng	115074	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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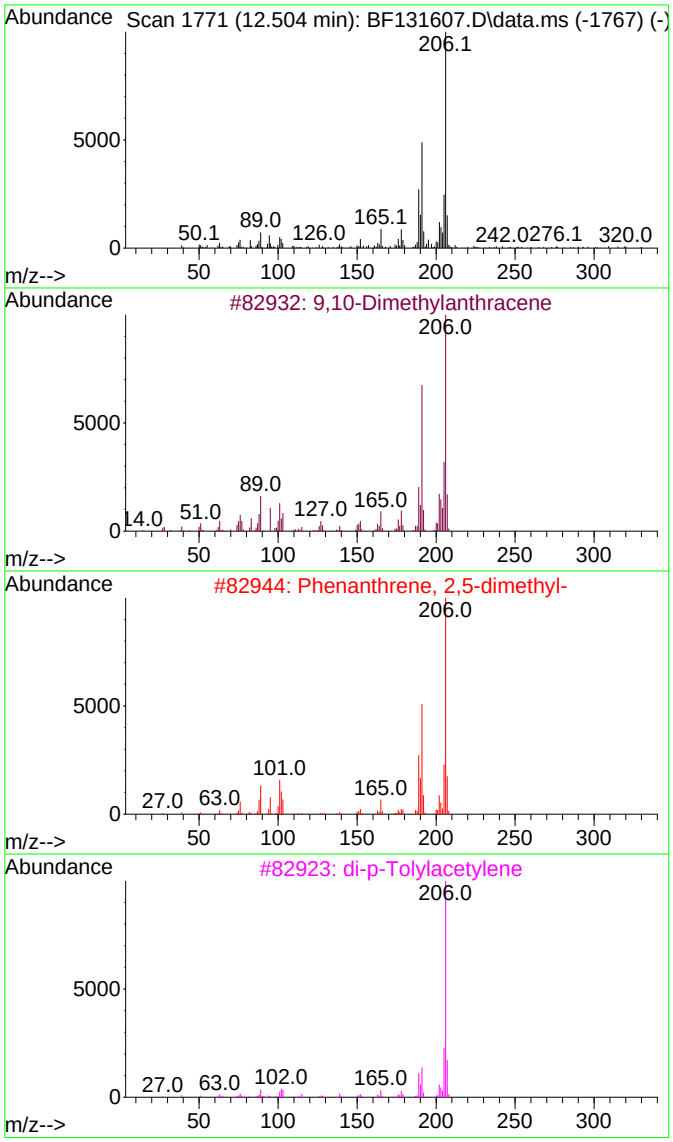
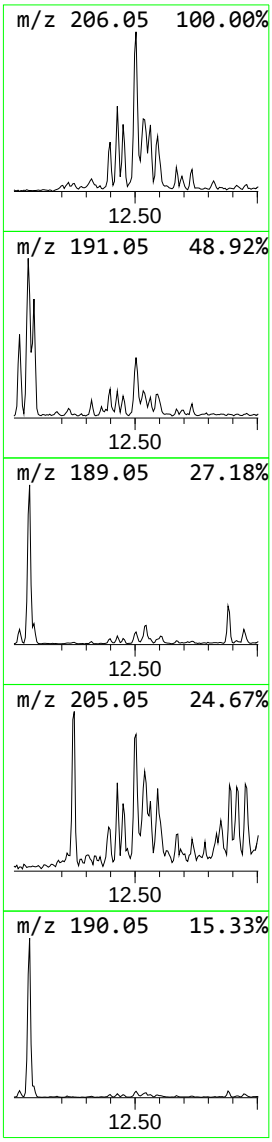
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	6.68 ng	177962	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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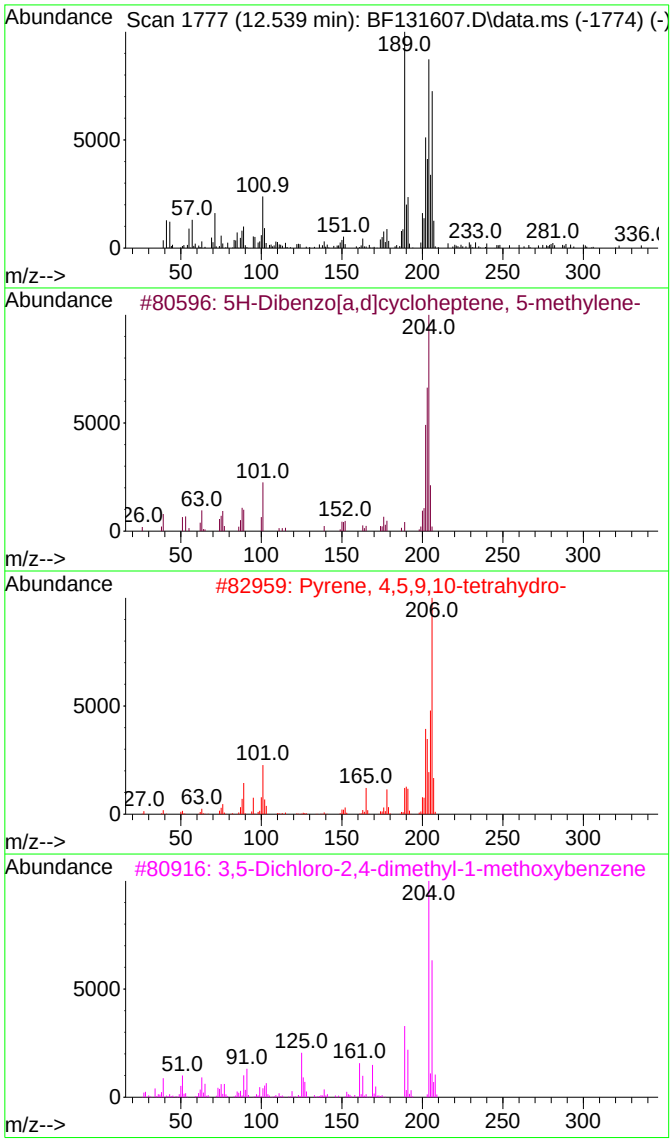
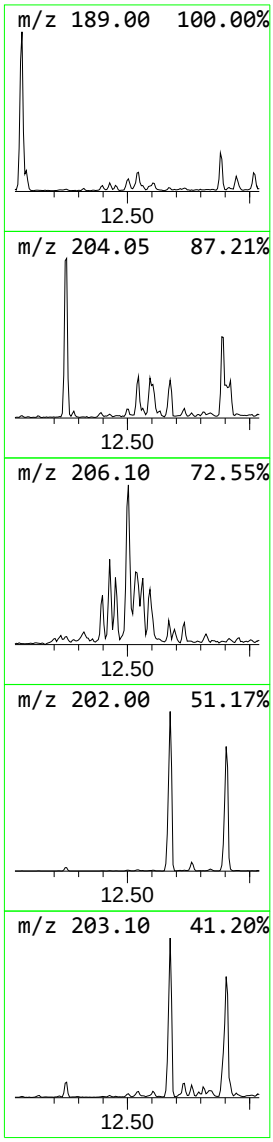
Peak Number 15 unknown12.539 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	5.47 ng	145763	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
3	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	Levamisole	204	C11H12N2S	014769-73-4	30





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Operator : CG\JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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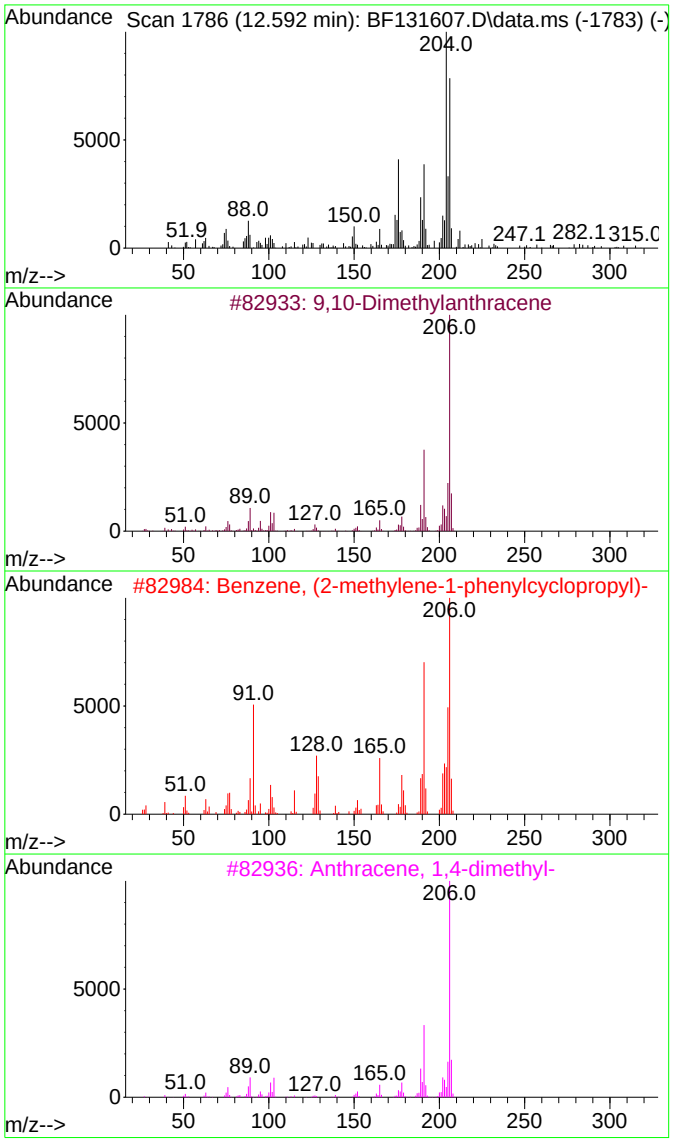
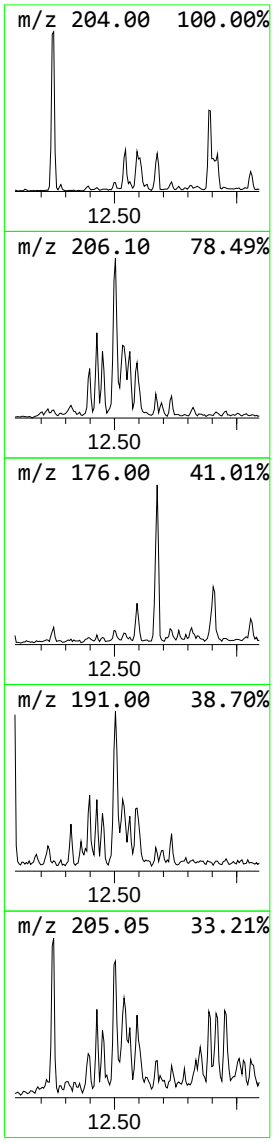
Peak Number 16 Benzene, (2-methylene-1-phe... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	4.39 ng	117035	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
2	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	50
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43





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Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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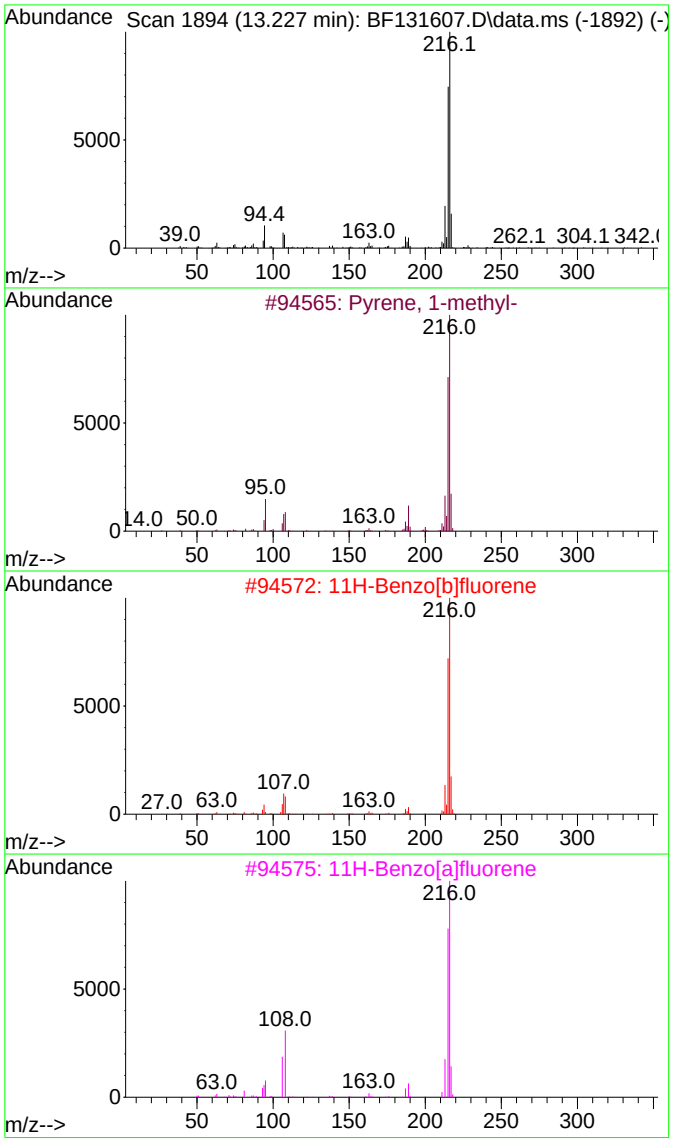
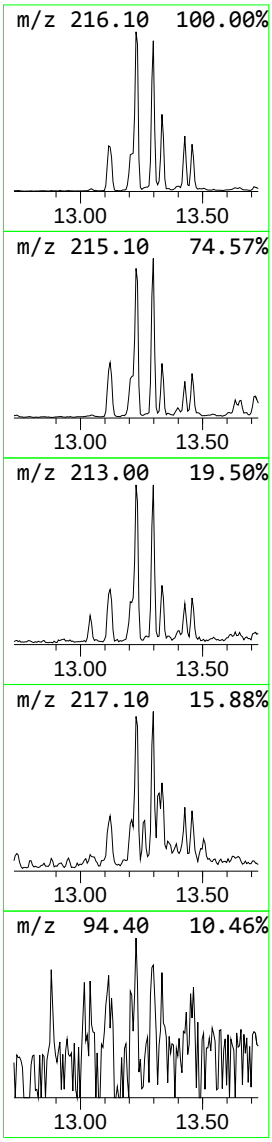
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	6.05 ng	381603	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	029573-11-3	64





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Operator : CG\JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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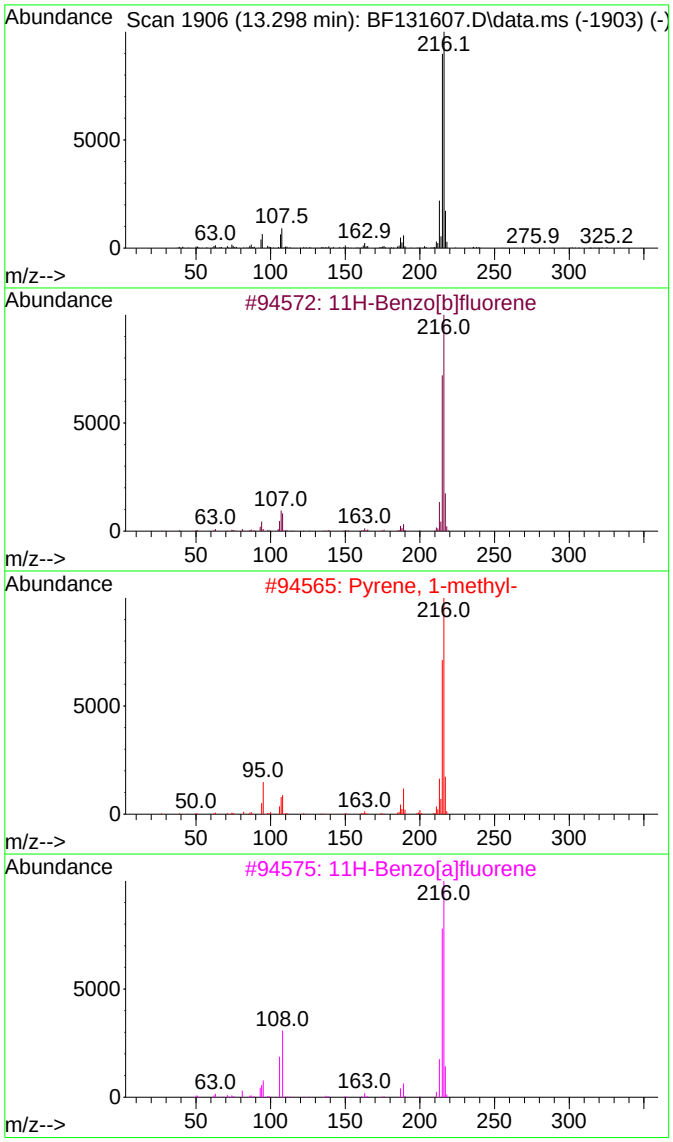
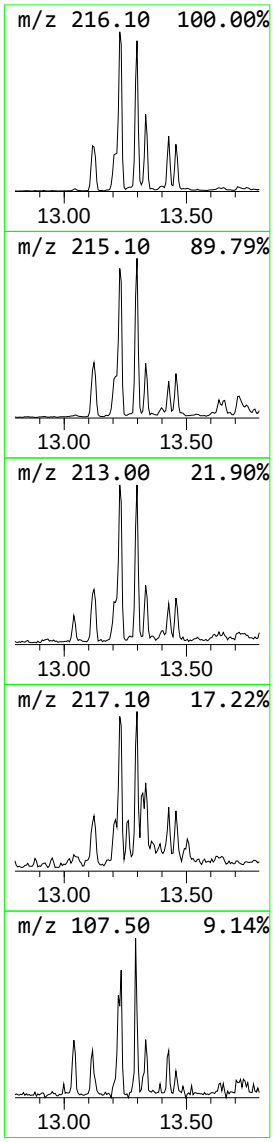
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	4.94 ng	312051	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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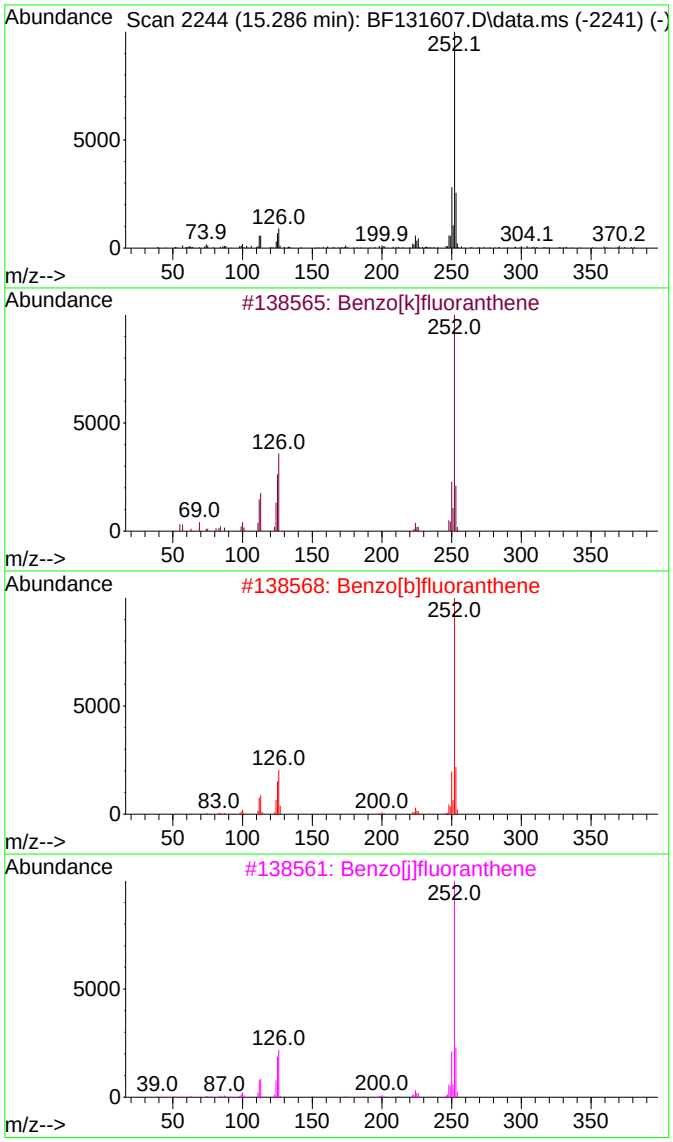
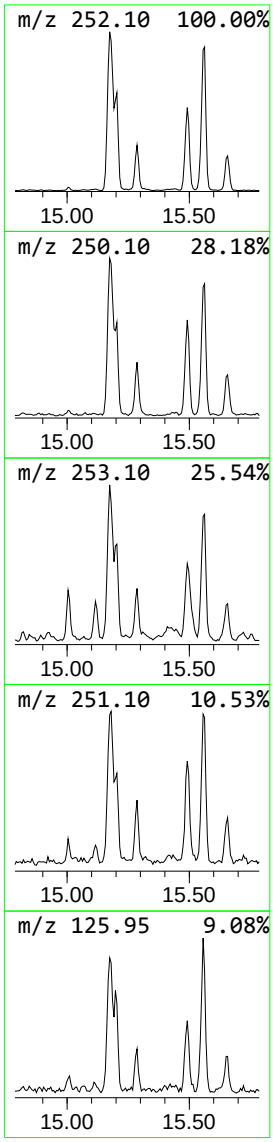
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	9.06 ng	103216	Perylene-d12	15.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





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Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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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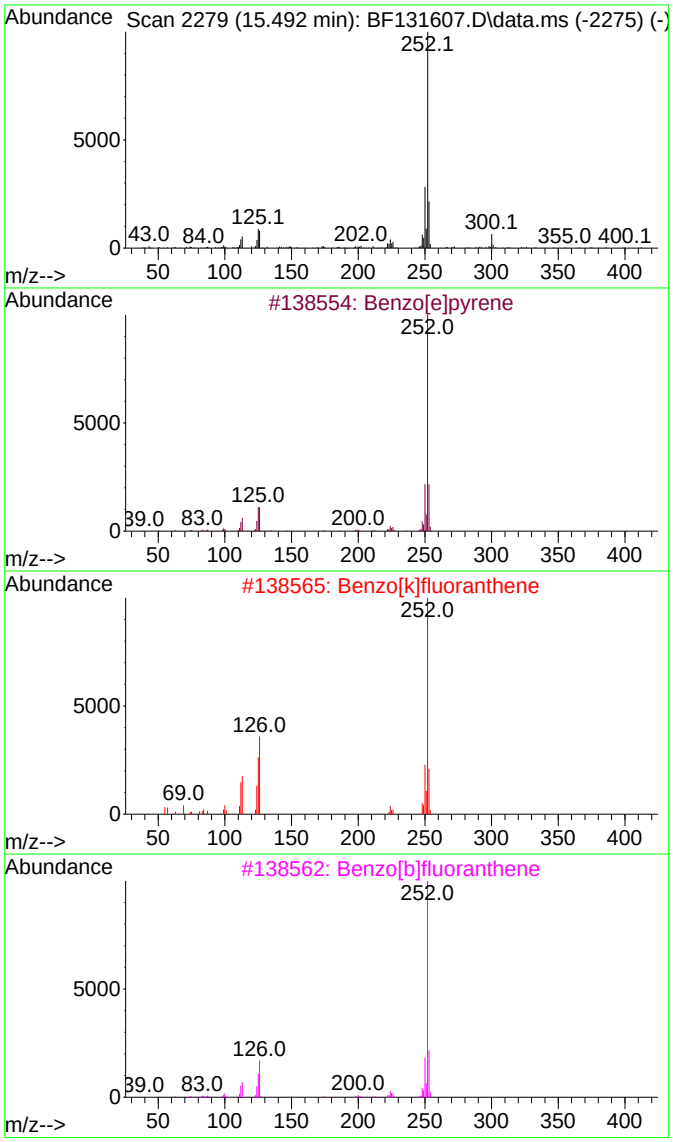
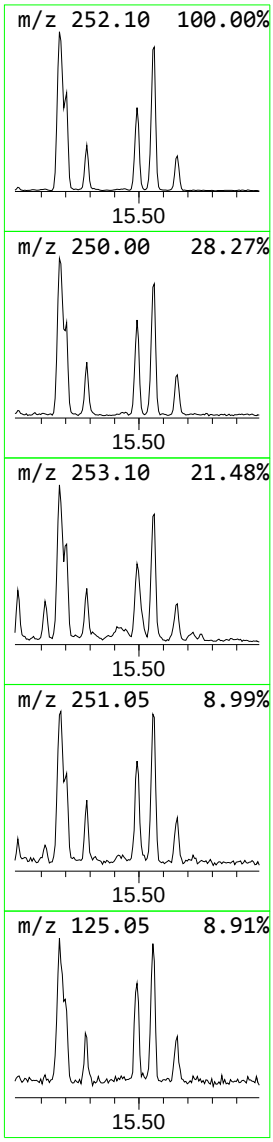
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.492	23.96 ng	272987	Perylene-d12	15.627

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	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

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Data File : BF131607.D
Acq On : 12 Dec 2022 22:53
Operator : CG\JU
Sample : N5964-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-04

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...	2.122	11.9	ng	229047	1	6.892	384708	20.0
2-Pentanone, 4-...	5.093	5.0	ng	95546	1	6.892	384708	20.0
Naphthalene, 2,...	9.533	4.8	ng	117911	3	9.951	489945	20.0
Naphthalene, 1,...	9.604	5.8	ng	142978	3	9.951	489945	20.0
9H-Fluorene, 2-...	11.051	5.3	ng	142082	4	11.445	532858	20.0
Dibenzothiophene	11.339	6.7	ng	177258	4	11.445	532858	20.0
Phenanthrene, 4...	11.951	8.6	ng	229540	4	11.445	532858	20.0
Phenanthrene, 1...	11.980	13.7	ng	363711	4	11.445	532858	20.0
1H-Indene, 2-ph...	12.027	5.0	ng	133002	4	11.445	532858	20.0
4H-Cyclopenta[d...	12.069	22.9	ng	610416	4	11.445	532858	20.0
Phenanthrene, 2...	12.086	4.2	ng	111912	4	11.445	532858	20.0
Naphthalene, 2-...	12.245	6.3	ng	168157	4	11.445	532858	20.0
9,10-Anthracene...	12.275	4.3	ng	115074	4	11.445	532858	20.0
9,10-Dimethylan...	12.504	6.7	ng	177962	4	11.445	532858	20.0
unknown12.539	12.539	5.5	ng	145763	4	11.445	532858	20.0
Benzene, (2-met...	12.592	4.4	ng	117035	4	11.445	532858	20.0
Pyrene, 1-methyl-	13.227	6.0	ng	381603	5	14.110	1262290	20.0
11H-Benzo[b]flu...	13.298	4.9	ng	312051	5	14.110	1262290	20.0
Benzo[j]fluoran...	15.286	9.1	ng	103216	6	15.627	227884	20.0
Benzo[e]pyrene	15.492	24.0	ng	272987	6	15.627	227884	20.0