LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131986.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.963	486	489	495	rBV	103718	100785	6.69%	0.474%
2	5.393	559	562	572	rBV	279252	269358	17.89%	1.267%
3	6.428	735	738	752	rBV2	304733	299717	19.90%	1.410%
4	6.787	795	799	803	rVB	505625	408461	27.12%	1.922%
5	7.351	892	895	899	rBV	183908	157431	10.45%	0.741%
6	8.075	1015	1018	1021	rBV	550828	440933	29.28%	2.075%
7	8.892	1153	1157	1160	rVB	51737	42891	2.85%	0.202%
8	9.151	1196	1201	1205	rBV	337277	284618	18.90%	1.339%
9	9.422	1243	1247	1250	rVV2	30903	39441	2.62%	0.186%
10	9.492	1255	1259	1262	rVV	83580	82141	5.45%	0.386%
11	9.522	1262	1264	1265	rVV	41507	34357	2.28%	0.162%
12	9.557	1268	1270	1275	rVB2	37586	41199	2.74%	0.194%
13	9.610	1276	1279	1288	rVB	43161	56646	3.76%	0.267%
14	9.698	1291	1294	1297	rBV	240790	193548	12.85%	0.911%
15	9.839	1314	1318	1321	rVV	526822	468444	31.11%	2.204%
16	9.869	1321	1323	1326	rVB	91663	71609	4.76%	0.337%
17	10.039	1347	1352	1355	rVV	75997	79468	5.28%	0.374%
18	10.080	1355	1359	1362	rVB	57074	49129	3.26%	0.231%
19	10.151	1368	1371	1374	rBV2	67197	71333	4.74%	0.336%
20	10.233	1382	1385	1388	rBV3	39849	56965	3.78%	0.268%
21	10.263	1388	1390	1392	rVB	48799	34675	2.30%	0.163%
22	10.386	1408	1411	1416	rVB3	108779	118389	7.86%	0.557%
23	10.492	1427	1429	1433	rVV4	29192	36315	2.41%	0.171%
24	10.545	1434	1438	1441	rVV2	40772	52434	3.48%	0.247%
25	10.627	1445	1452	1456	rBV	227938	214627	14.25%	1.010%
26	10.751	1468	1473	1479	rVB4	76978	114831	7.63%	0.540%
27	10.933	1500	1504	1507	rBV3	55673	75562	5.02%	0.356%
28	10.963	1507	1509	1512	rVV	54614	41339	2.75%	0.194%
29	11.063	1521	1526	1528	rVV2	36610	43485	2.89%	0.205%
30	11.086	1528	1530	1536	rVV3	42031	56398	3.75%	0.265%
31	11.133	1536	1538	1541	rVV2	65510	62597	4.16%	0.295%
32	11.186	1542	1547	1549	rVV2	45896	64741	4.30%	0.305%
33	11.222	1549	1553	1558	rVB	69464	84271	5.60%	0.396%
34	11.327	1568	1571	1573	rBV	470258	433017	28.75%	2.037%
35	11.357	1573	1576	1579	rVV	959359	781573	51.90%	3.677%
36	11.404	1581	1584	1587	rVB	189524	140531	9.33%	0.661%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.439	1587	1590	1593	rBV2	49550	58051	3.85%	0.273%
38	11.563	1608	1611	1615	rBV2	56751	73560	4.88%	0.346%
39	11.622	1618	1621	1624	rVV2	46226	49724	3.30%	0.234%
40	11.663	1625	1628	1632	rVB2	88298	88785	5.90%	0.418%
41	11.739	1636	1641	1646	rVB3	52739	82860	5.50%	0.390%
42	11.786	1646	1649	1652	rBV2	32793	34593	2.30%	0.163%
43	11.833	1653	1657	1659	rBV	299990	255259	16.95%	1.201%
44	11.863	1659	1662	1665	rVB	361381	305178	20.27%	1.436%
45	11.910	1665	1670	1673	rBV	94440	102689	6.82%	0.483%
46	11.945	1673	1676	1678	rVV	353230	350360	23.27%	1.648%
47	11.969	1678	1680	1684	rVB	259976	199082	13.22%	0.937%
48	12.022	1685	1689	1691	rBV3	46247	58387	3.88%	0.275%
49	12.069	1694	1697	1699	rVB	47810	43294	2.87%	0.204%
50	12.127	1704	1707	1710	rVV	135584	124691	8.28%	0.587%
51	12.163	1710	1713	1717	rVB	168125	164712	10.94%	0.775%
52	12.263	1727	1730	1731	rBV	43985	44216	2.94%	0.208%
53	12.280	1731	1733	1735	rVV2	88197	80062	5.32%	0.377%
54	12.310	1735	1738	1740	rVV	132580	107727	7.15%	0.507%
55	12.333	1740	1742	1745	rVB2	89520	73100	4.85%	0.344%
56	12.386	1747	1751	1753	rBV	289569	285732	18.97%	1.344%
57	12.421	1753	1757	1759	rVV3	143324	194908	12.94%	0.917%
58	12.439	1759	1760	1763	rVB	94187	69838	4.64%	0.329%
59	12.474	1763	1766	1770	rBV3	165400	206146	13.69%	0.970%
60	12.551	1775	1779	1782	rBV	1483716	1222398	81.17%	5.751%
61	12.592	1782	1786	1788	rBV	70146	66346	4.41%	0.312%
62	12.610	1788	1789	1792	rVB2	68784	50860	3.38%	0.239%
63	12.645	1792	1795	1797	rVB	89667	69788	4.63%	0.328%
64	12.698	1799	1804	1807	rBV4	63214	110347	7.33%	0.519%
65	12.780	1812	1818	1824	rVV	1317756	1505924	100.00%	7.085%
66	12.833	1824	1827	1830	rVB2	130784	141901	9.42%	0.668%
67	12.898	1834	1838	1839	rVV2	74528	94635	6.28%	0.445%
68	12.916	1839	1841	1843	rVV	275831	257784	17.12%	1.213%
69	12.939	1843	1845	1848	rVB	145343	135926	9.03%	0.640%
70	12.998	1850	1855	1862	rBV6	179821	336331	22.33%	1.582%
71	13.051	1862	1864	1866	rVV2	49860	45867	3.05%	0.216%
72	13.086	1866	1870	1871	rVV2	163051	200494	13.31%	0.943%
73	13.110	1871	1874	1876	rVB	292725	294553	19.56%	1.386%
74	13.174	1883	1885	1887	rVB	192219	137926	9.16%	0.649%
75	13.210	1887	1891	1894	rBV2	234855	249744	16.58%	1.175%
76	13.304	1904	1907	1910	rBV	192800	157647	10.47%	0.742%

LSC Area Percent Report

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Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.339	1910	1913	1916	rVV	174161	159576	10.60%	0.751%
78	13.421	1925	1927	1930	rVB2	52709	48100	3.19%	0.226%
79	13.592	1954	1956	1958	rBV2	56282	52414	3.48%	0.247%
80	13.621	1958	1961	1965	rVB	167489	170815	11.34%	0.804%
81	13.727	1977	1979	1982	rVB	134570	117758	7.82%	0.554%
82	13.757	1982	1984	1986	rVB	117595	85122	5.65%	0.400%
83	13.780	1986	1988	1994	rBV3	115486	173768	11.54%	0.818%
84	13.833	1994	1997	2000	rVB	140388	151146	10.04%	0.711%
85	13.974	2015	2021	2025	rBV2	838724	1364597	90.62%	6.420%
86	14.010	2025	2027	2032	rVB	708580	656112	43.57%	3.087%
87	14.086	2038	2040	2043	rVB	141012	107012	7.11%	0.503%
88	14.133	2045	2048	2054	rVV4	82991	115063	7.64%	0.541%
89	14.333	2079	2082	2084	rBV2	78090	92670	6.15%	0.436%
90	14.368	2084	2088	2092	rVV	223177	305980	20.32%	1.440%
91	14.404	2092	2094	2098	rVB	124037	121888	8.09%	0.573%
92	14.498	2107	2110	2111	rBV	117869	99400	6.60%	0.468%
93	15.027	2196	2200	2203	rBV	637378	950540	63.12%	4.472%
94	15.133	2215	2218	2223	rBV	154578	195577	12.99%	0.920%
95	15.327	2248	2251	2257	rVB	373334	481876	32.00%	2.267%
96	15.392	2258	2262	2266	rBV	557529	683477	45.39%	3.216%
97	15.451	2269	2272	2275	rVV	230341	284940	18.92%	1.341%
98	15.486	2275	2278	2284	rVB2	157752	226478	15.04%	1.066%
99	16.915	2516	2521	2529	rBV2	217742	409257	27.18%	1.925%
100	17.362	2593	2597	2614	rVB	195555	466445	30.97%	2.195%

Sum of corrected areas: 21254695

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
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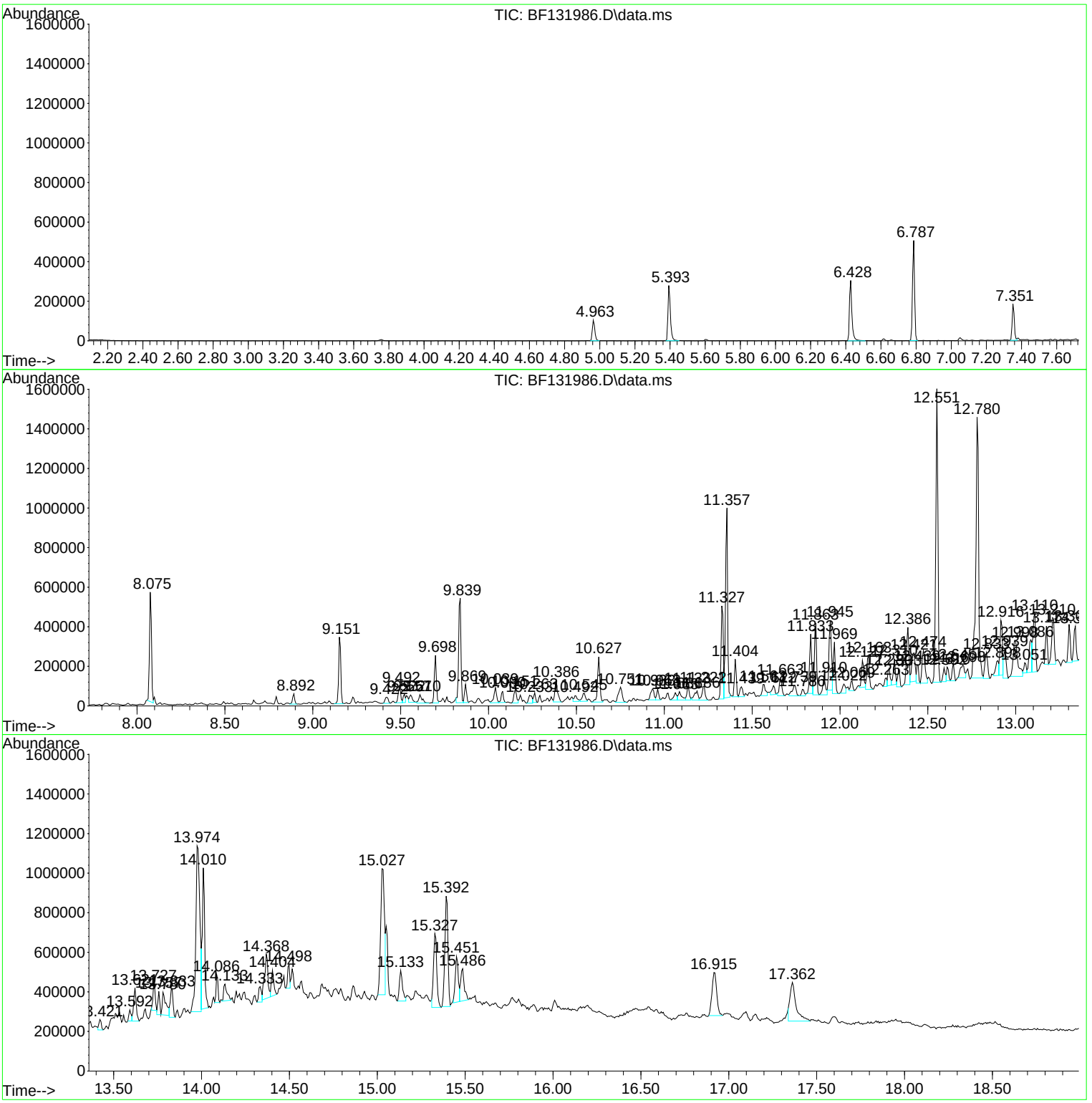
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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\BF010923\
Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
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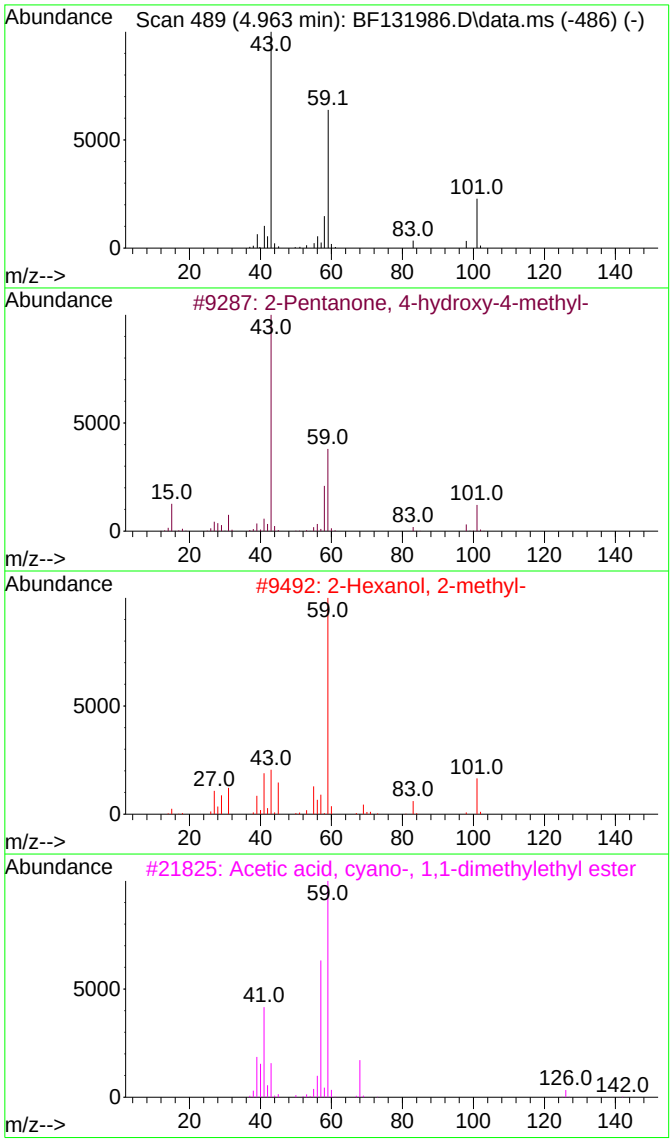
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

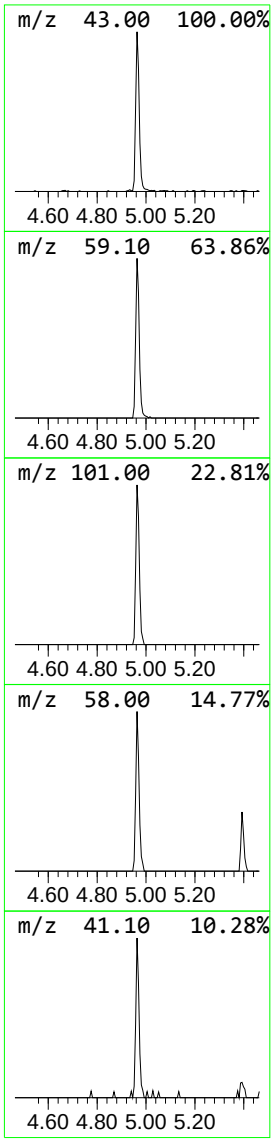
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.963	4.93 ng	100785	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

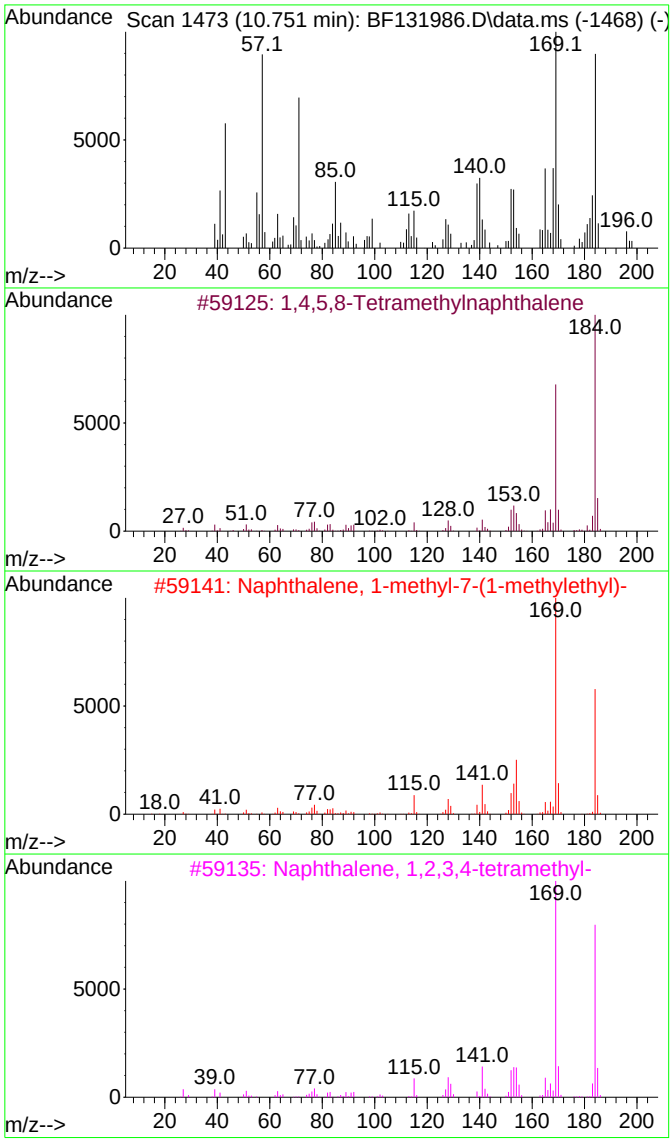
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

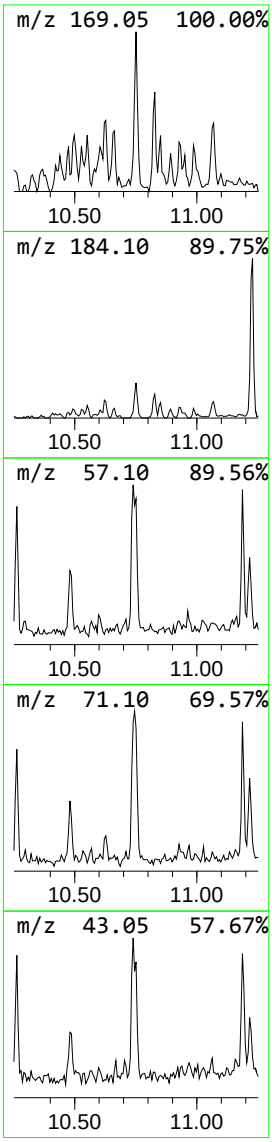
****

Peak Number 2 1,4,5,8-Tetramethylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.751	5.30 ng	114831	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	60
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	53
4	2-Isopropyl-7-methylnaphthalene	184	C14H16	1000383-71-3	52
5	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	49





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

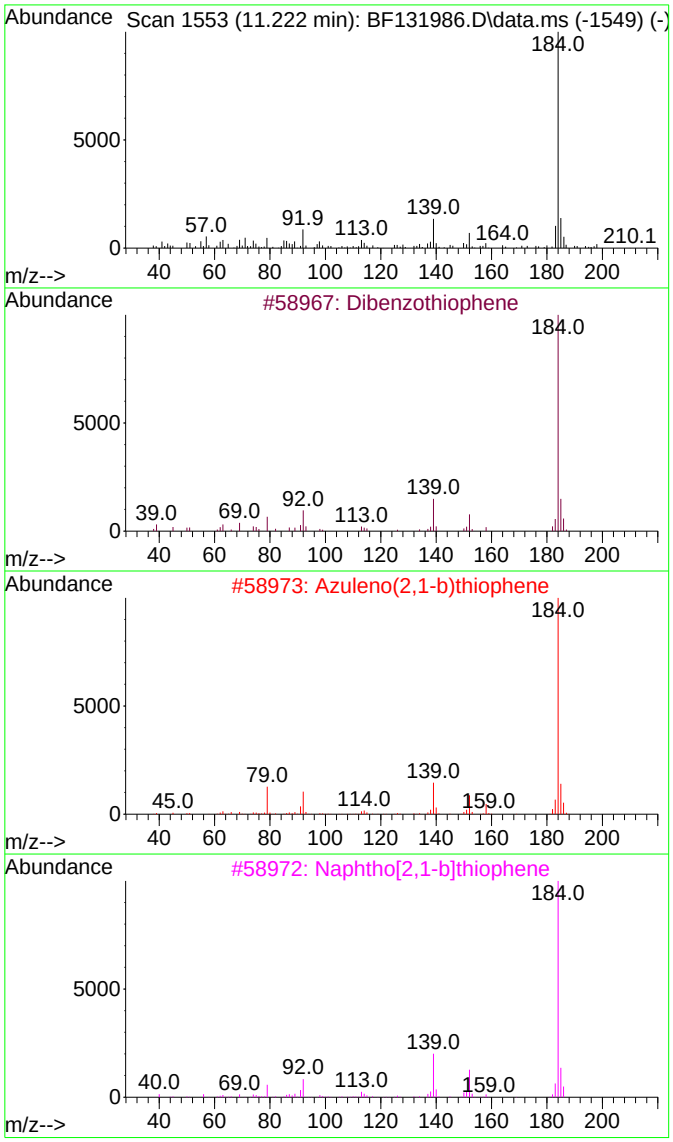
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

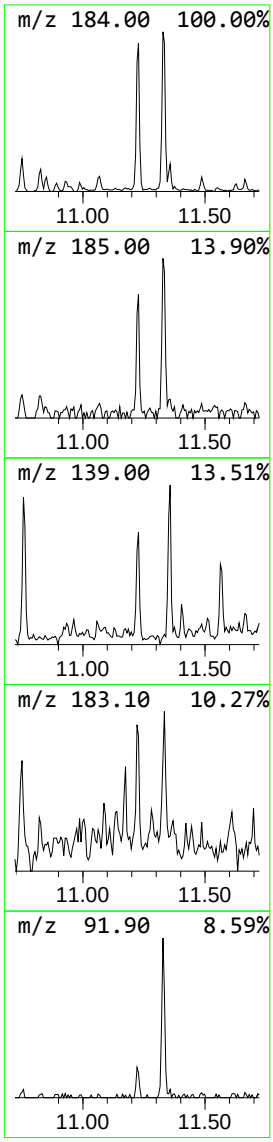
****

Peak Number 3 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.222	3.89 ng	84271	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

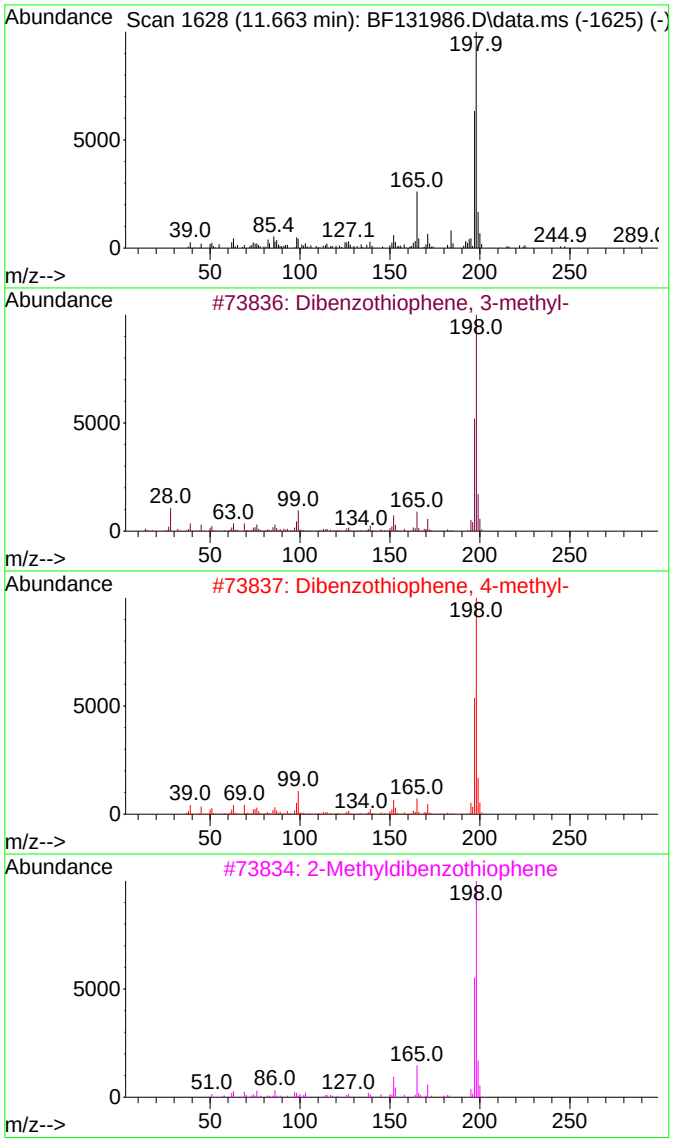
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

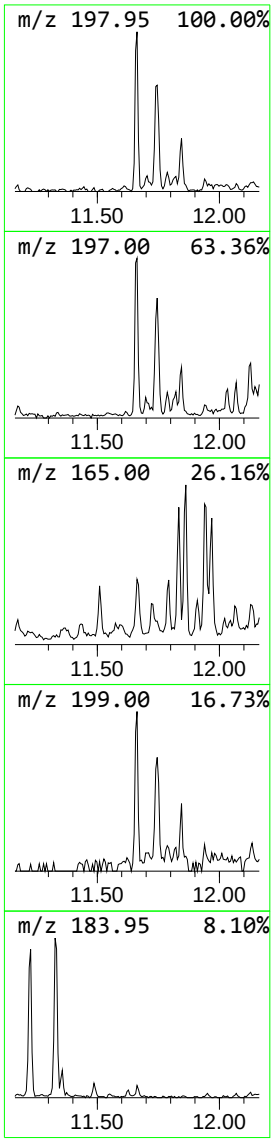
****

Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.663	4.10 ng	88785	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

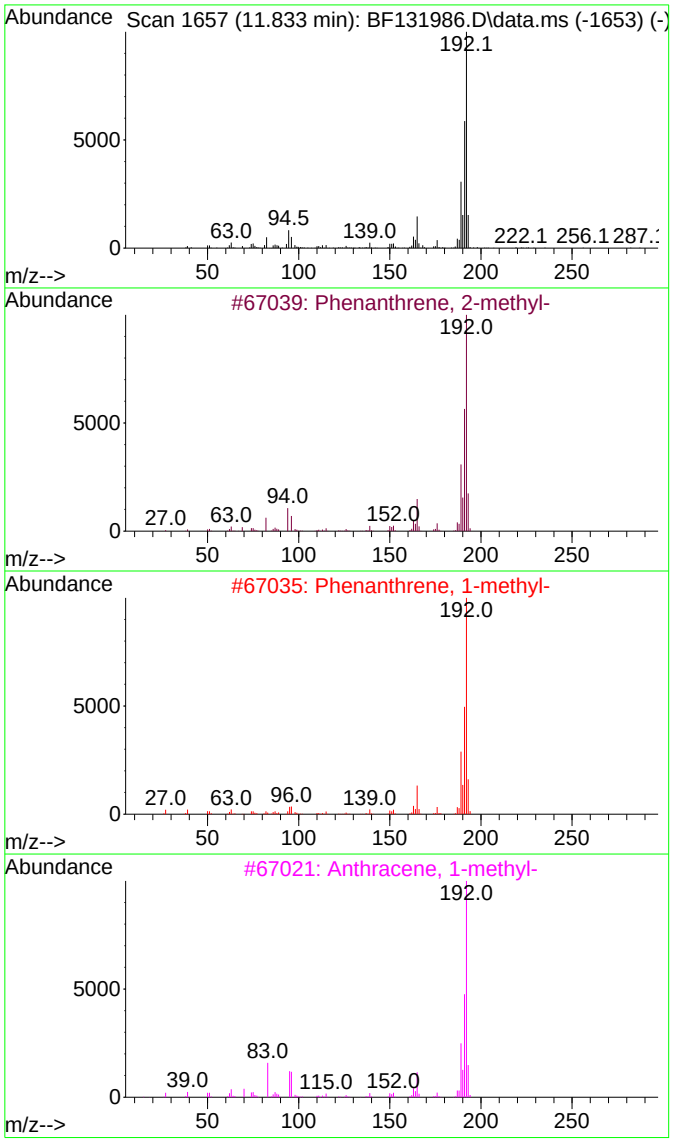
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

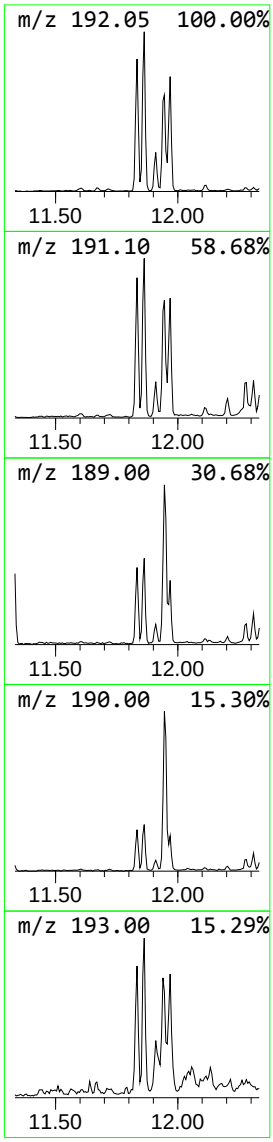
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	11.79 ng	255259	Phenanthrene-d10	11.327

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





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Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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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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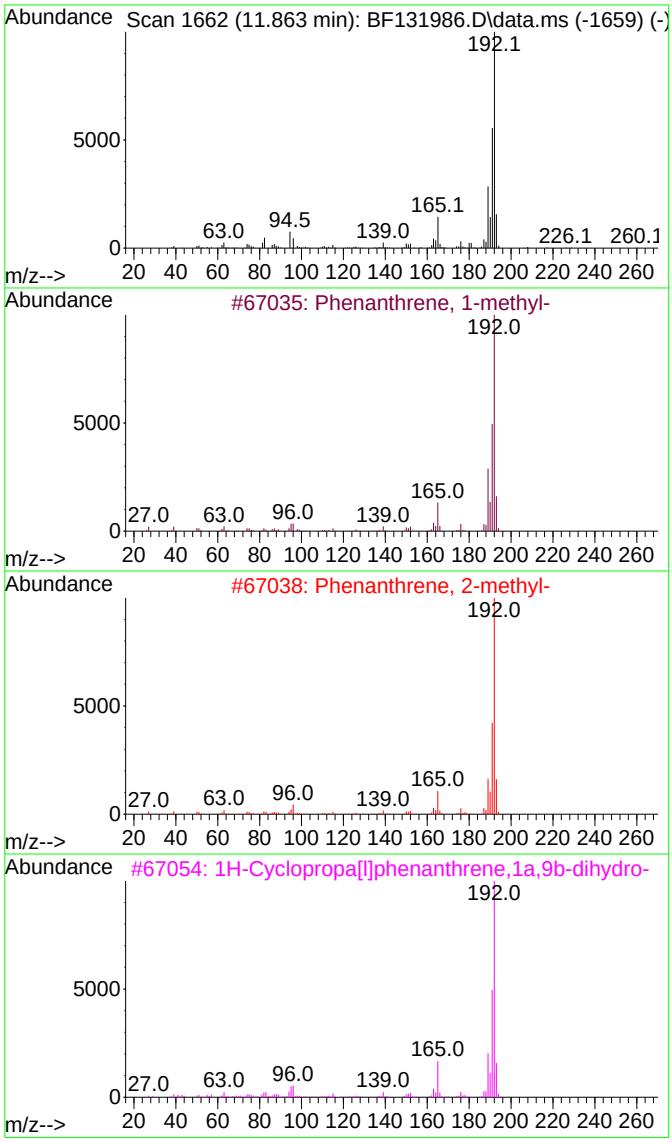
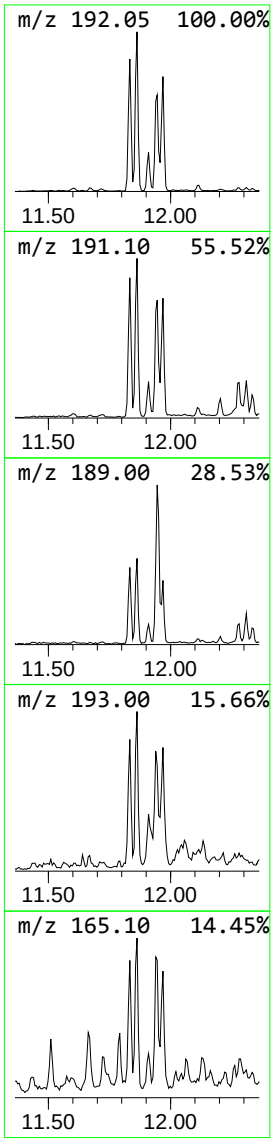
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	14.10 ng	305178	Phenanthrene-d10	11.327

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Misc :
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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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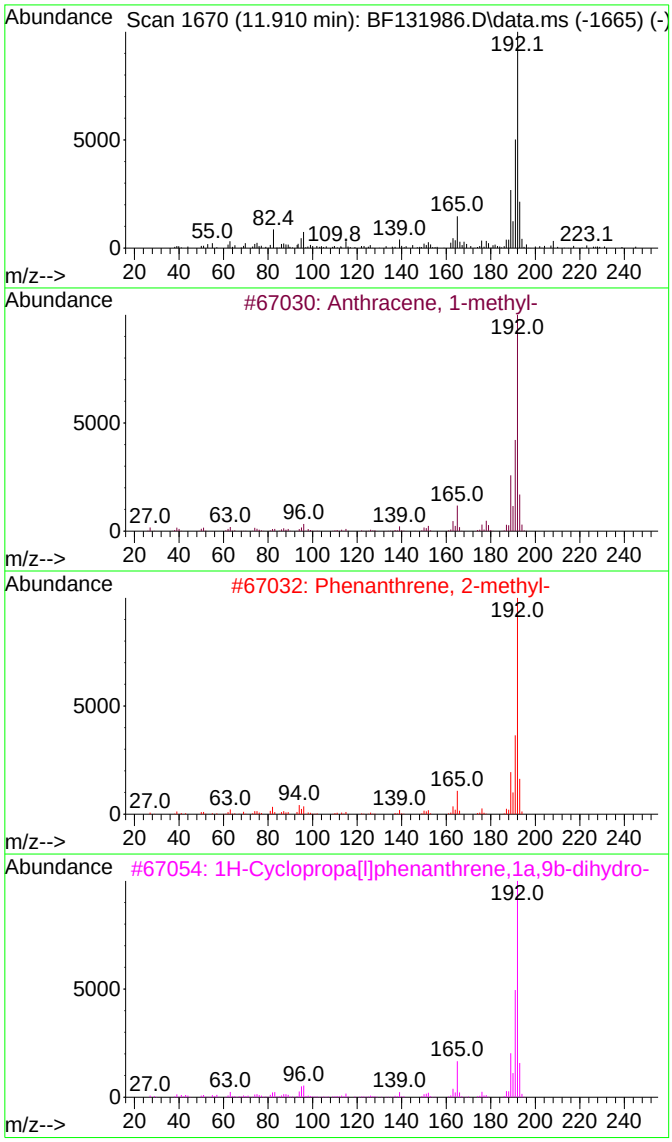
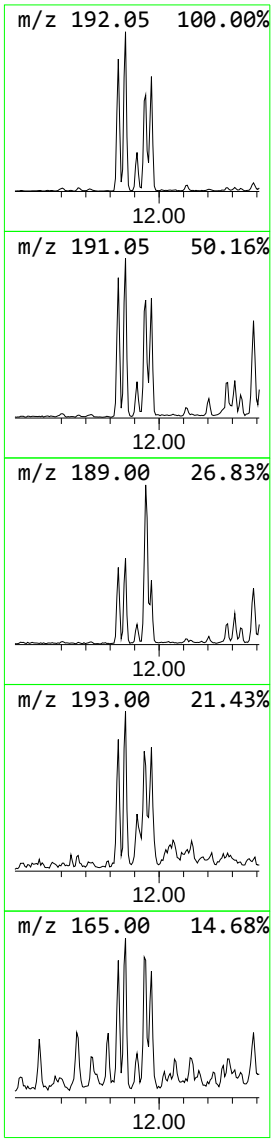
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	4.74 ng	102689	Phenanthrene-d10	11.327

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





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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BNA_F
ClientSampleId :
VNJ-228

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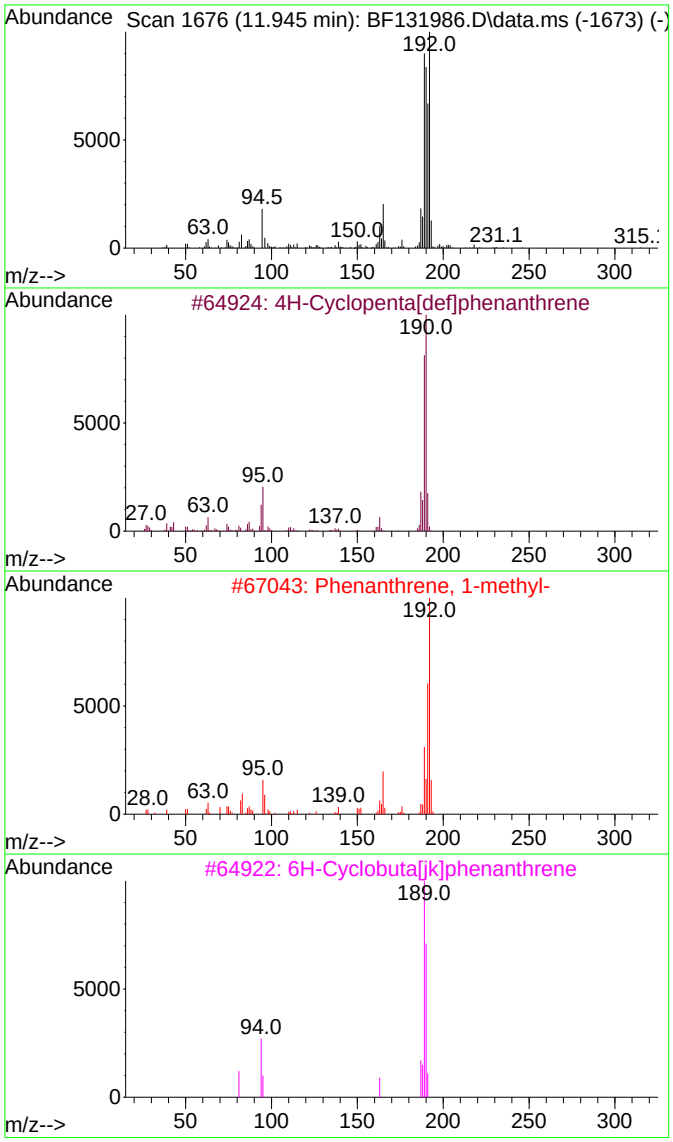
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

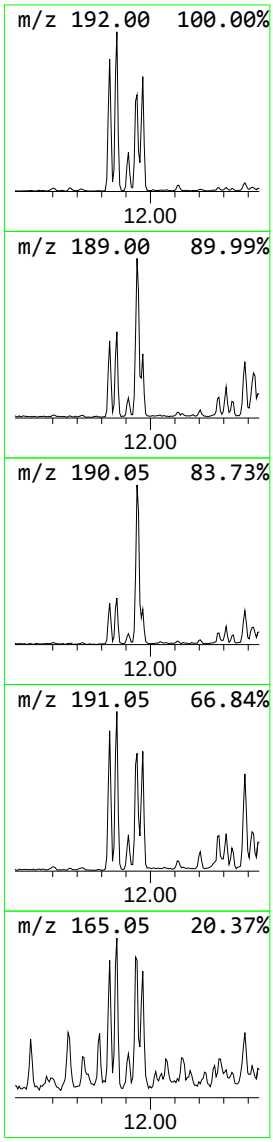
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	16.18 ng	350360	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	43





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Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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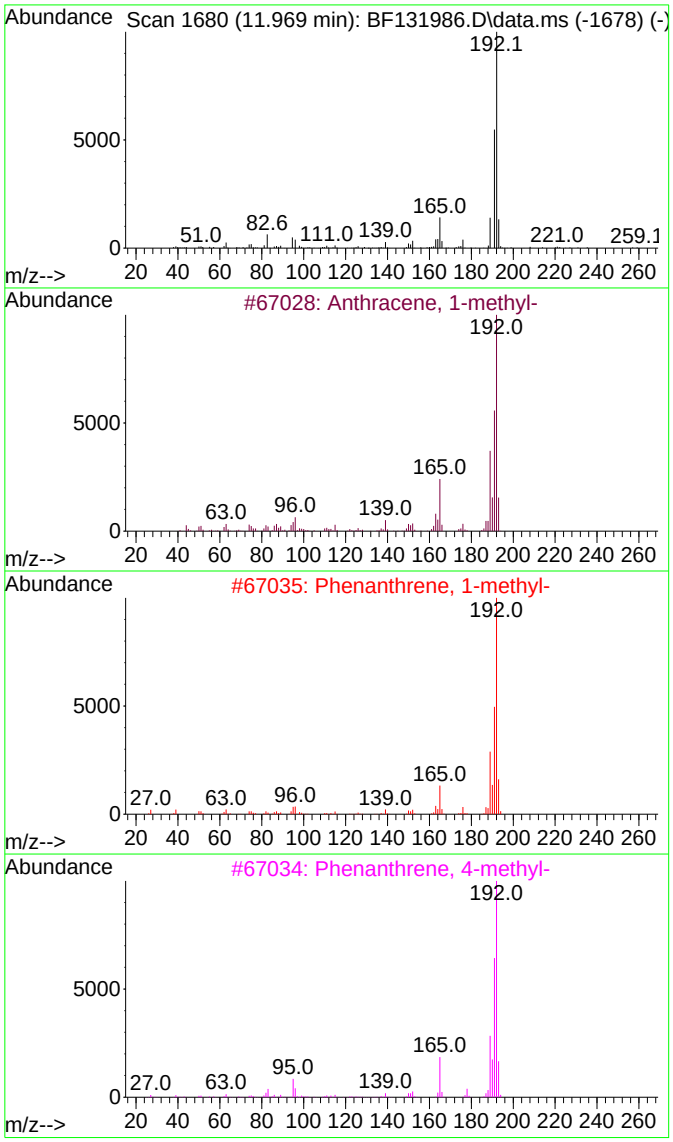
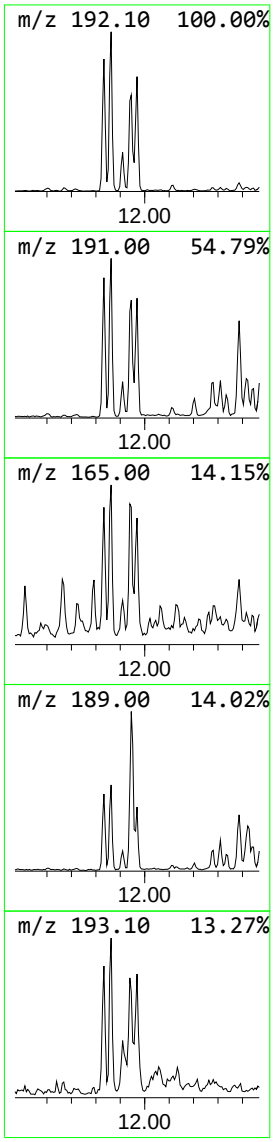
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	9.20 ng	199082	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





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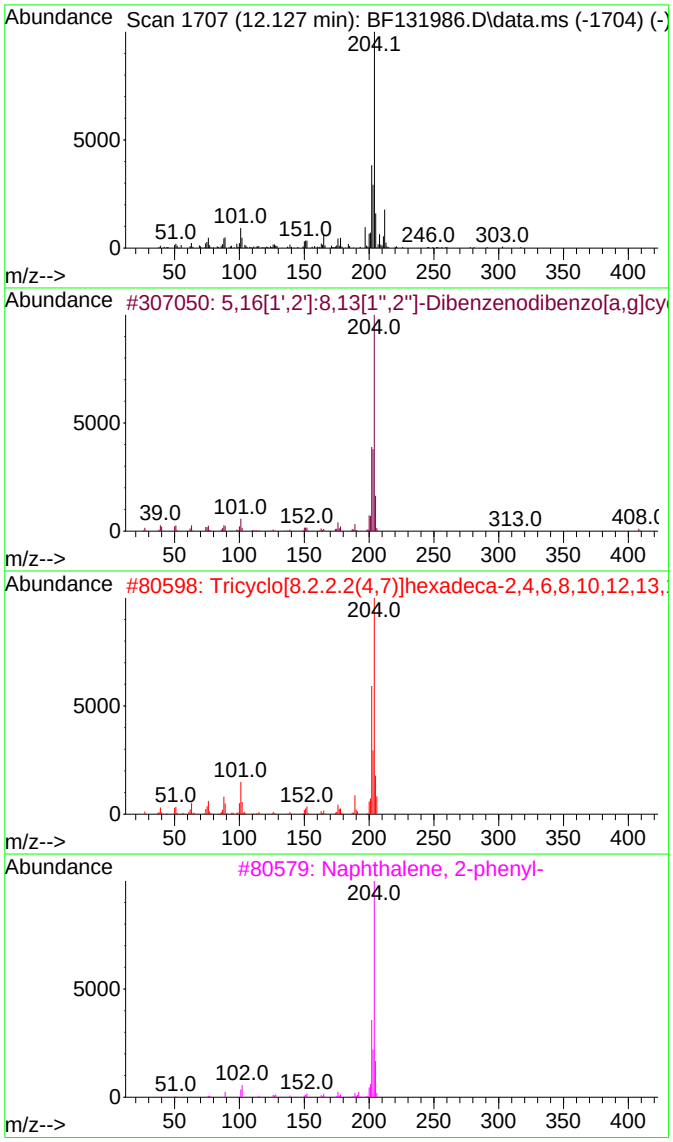
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

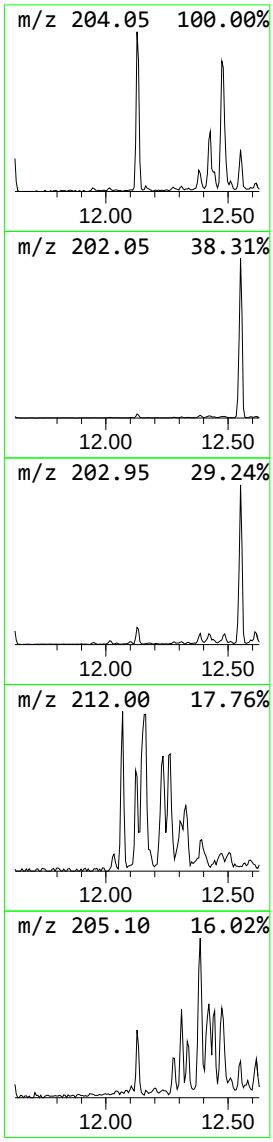
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	5.76 ng	124691	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	59
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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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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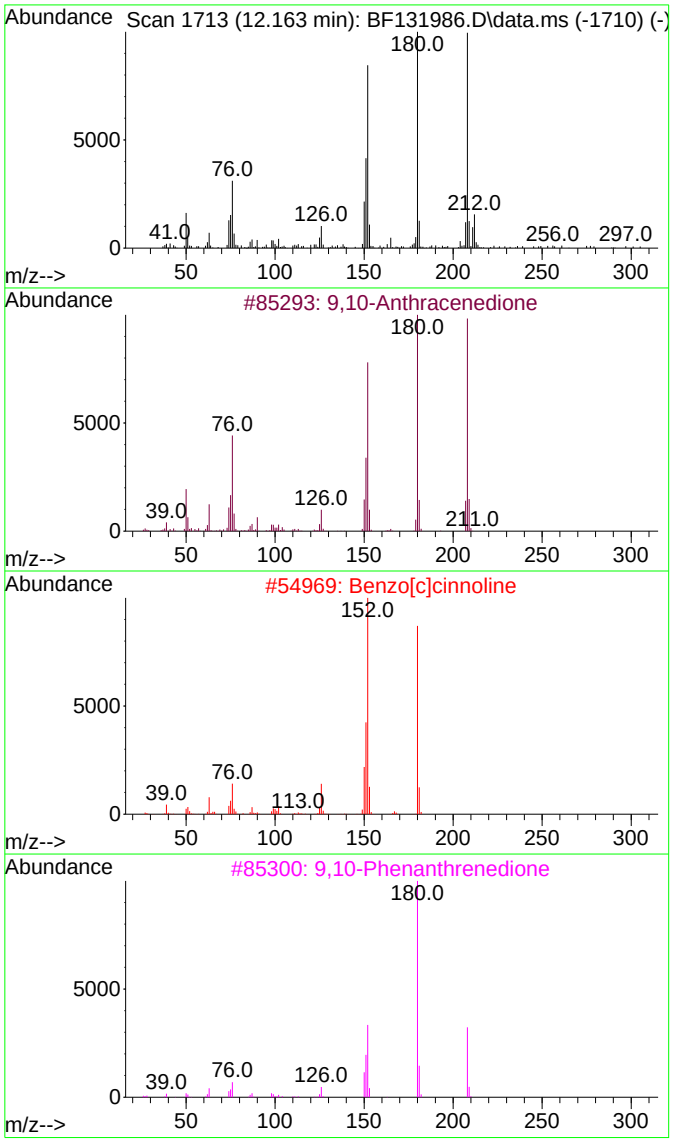
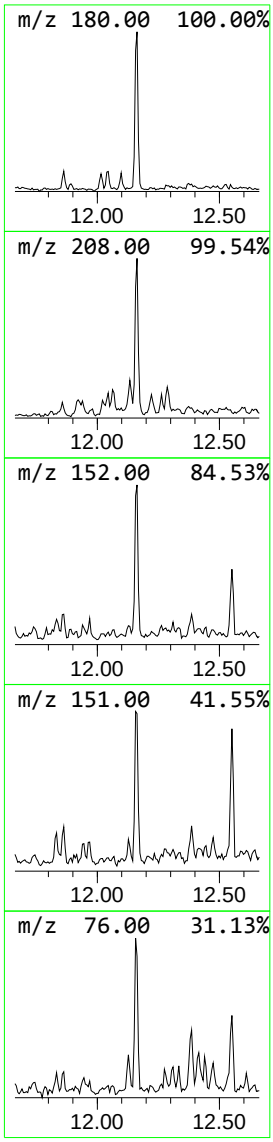
Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	7.61 ng	164712	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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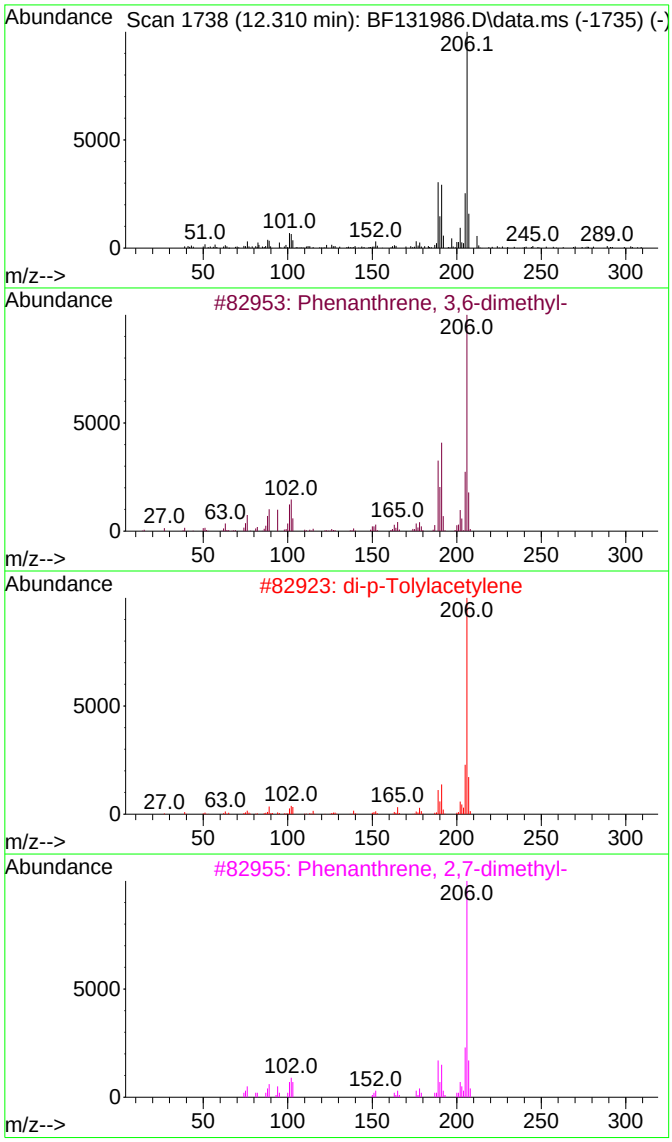
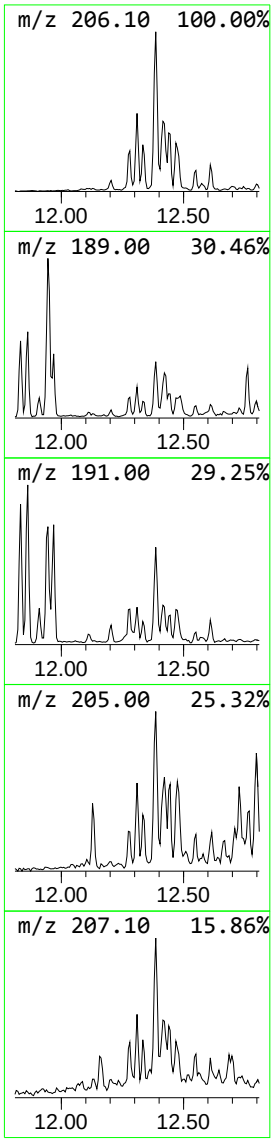
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	4.98 ng	107727	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72





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Misc :
ALS Vial : 22 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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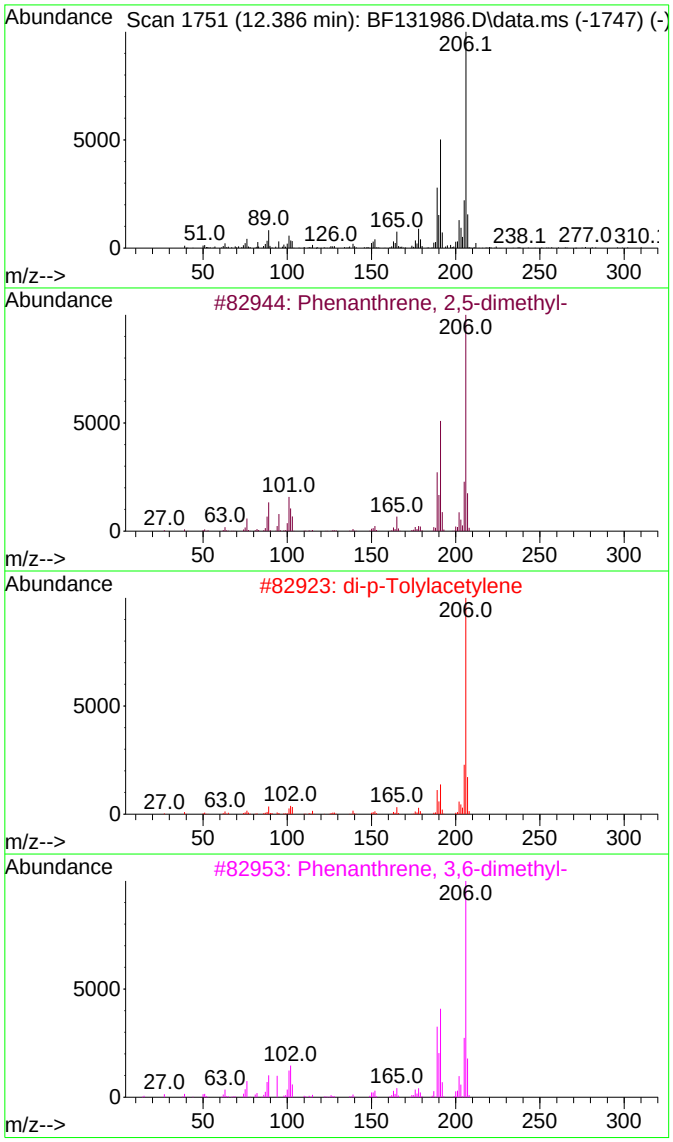
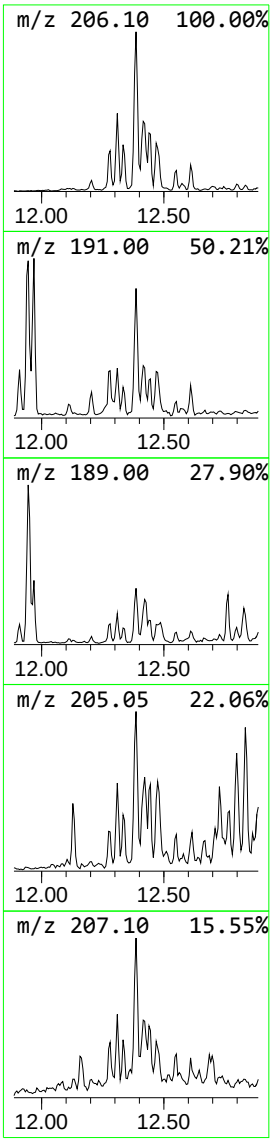
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	13.20 ng	285732	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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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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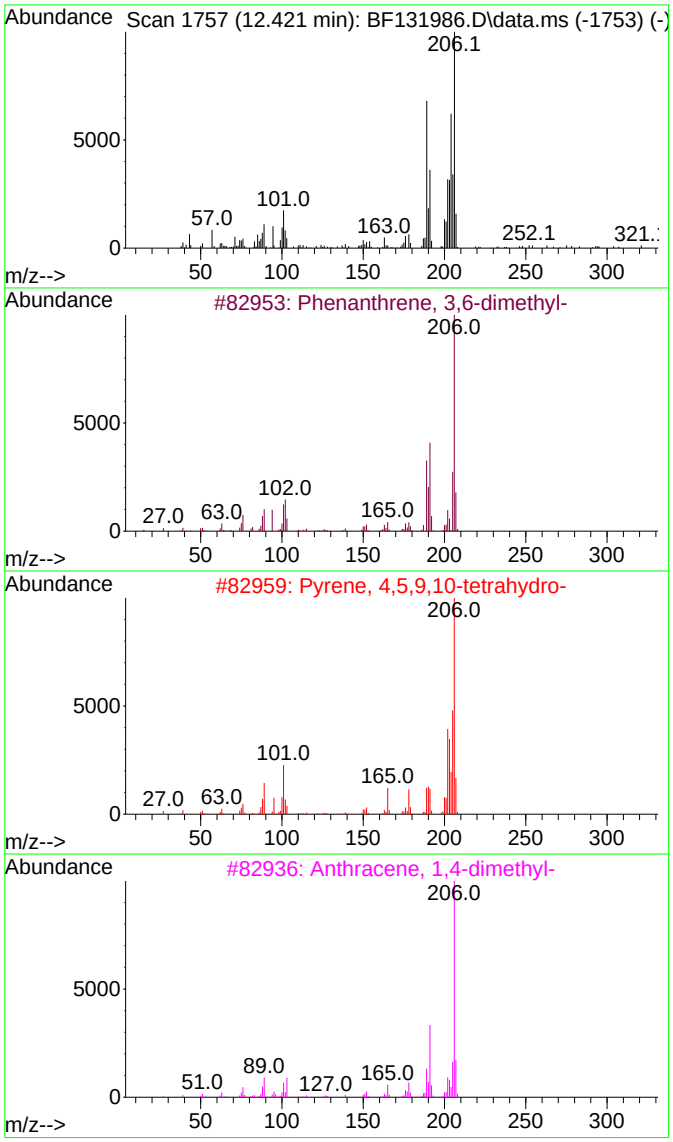
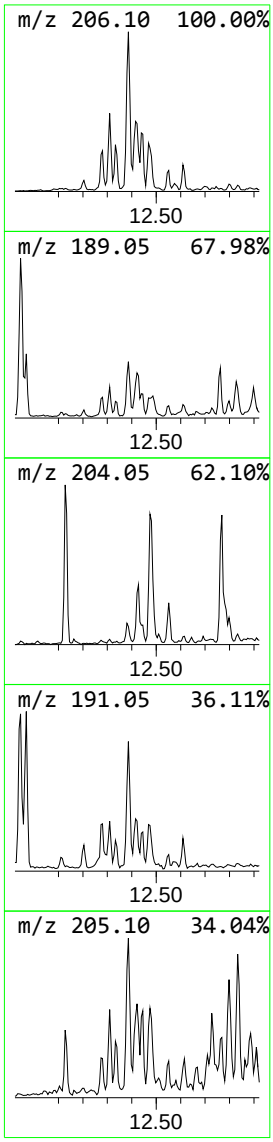
Peak Number 14 unknown12.422 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	9.00 ng	194908	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	43
4	1,2-Dihydro-3-phenylnaphthalene	206	C16H14	020669-52-7	43
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	43





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ALS Vial : 22 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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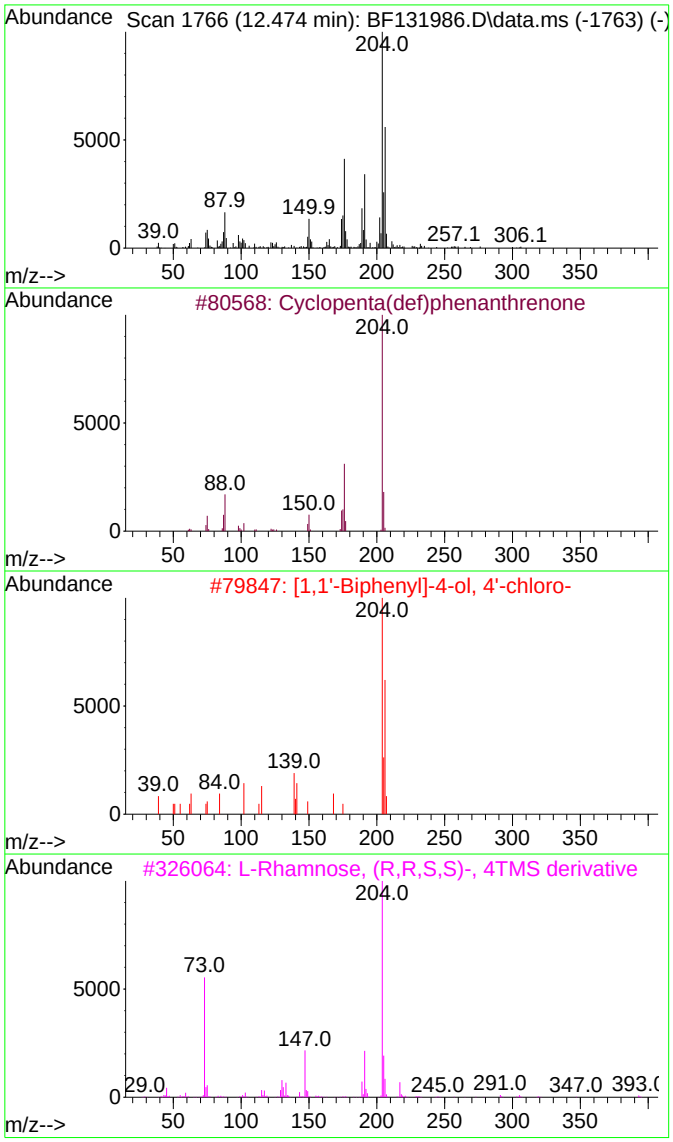
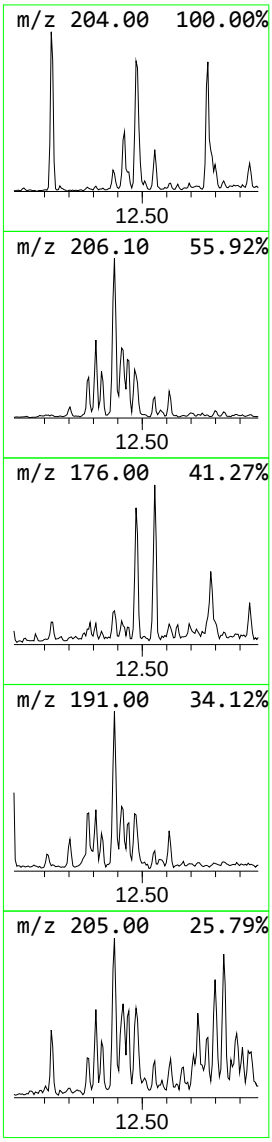
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	9.52 ng	206146	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	43
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	30





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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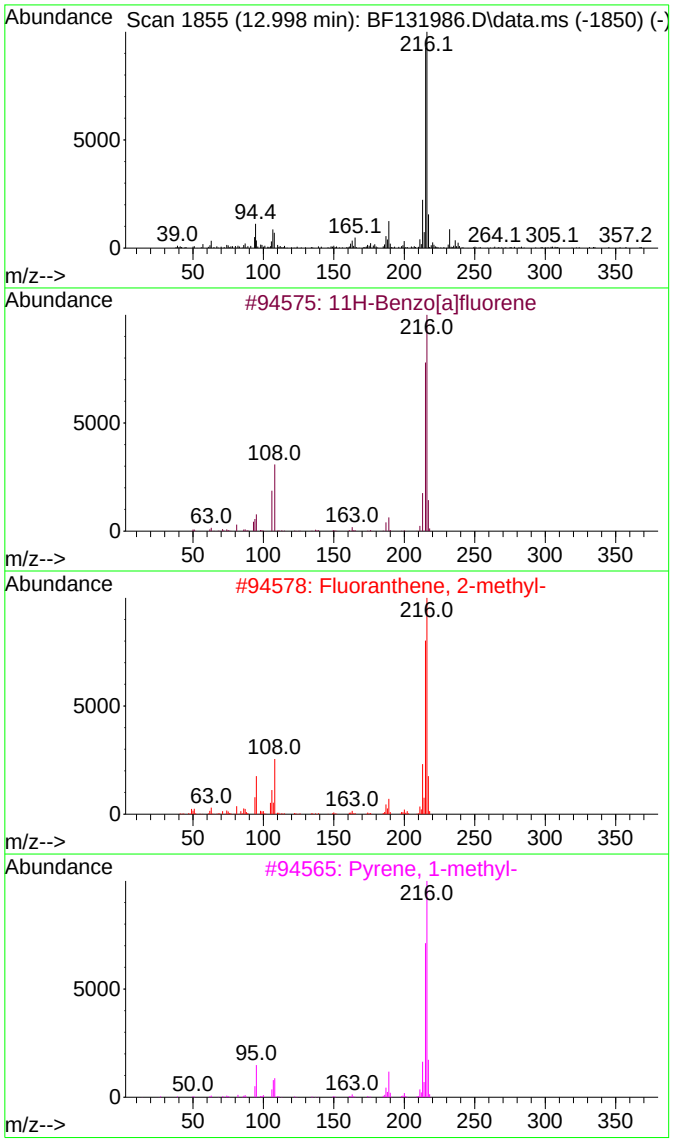
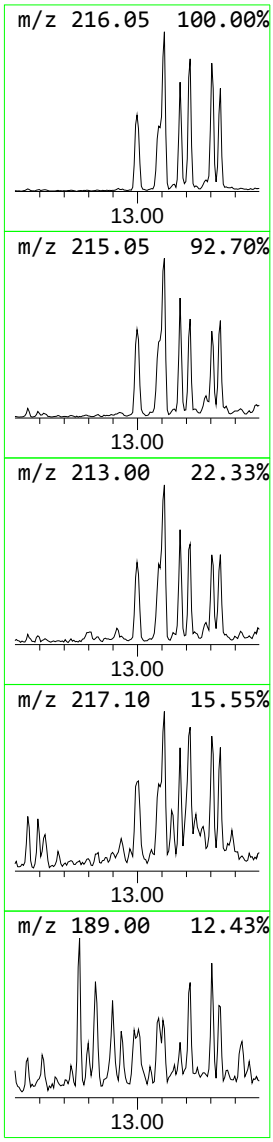
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.998	4.93 ng	336331	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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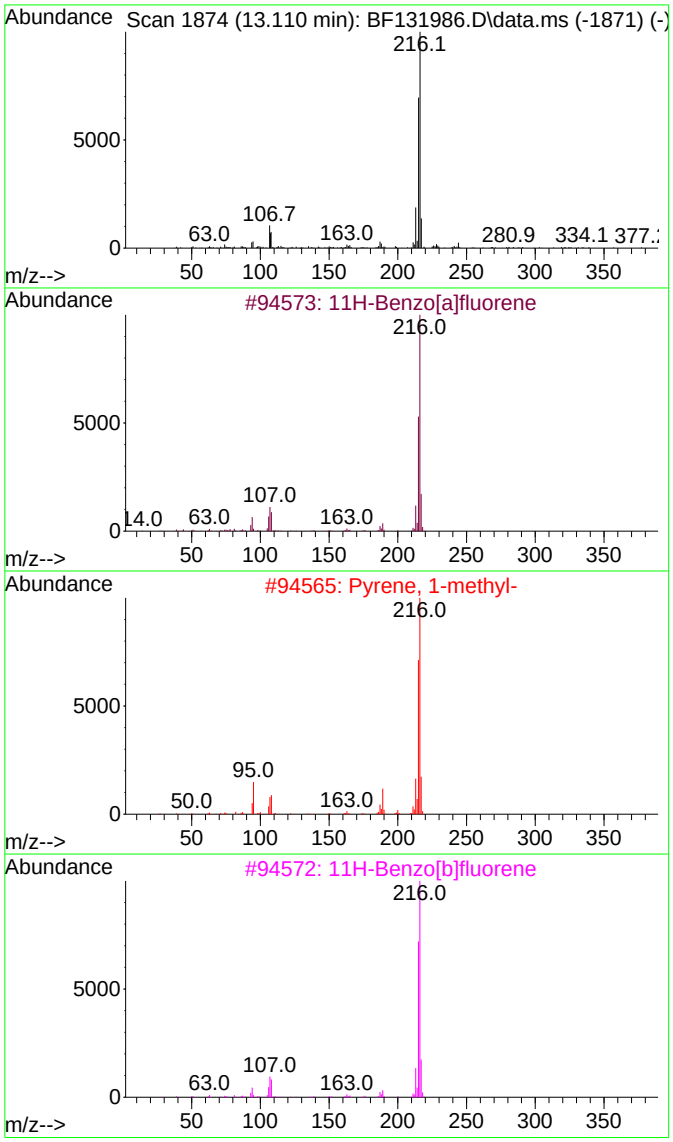
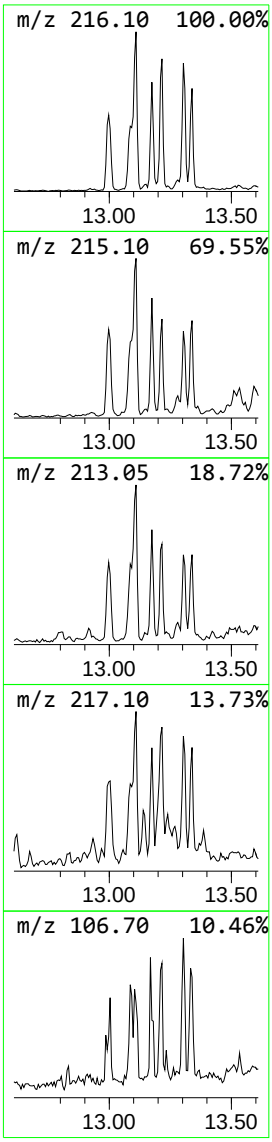
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	4.32 ng	294553	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
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BNA_F
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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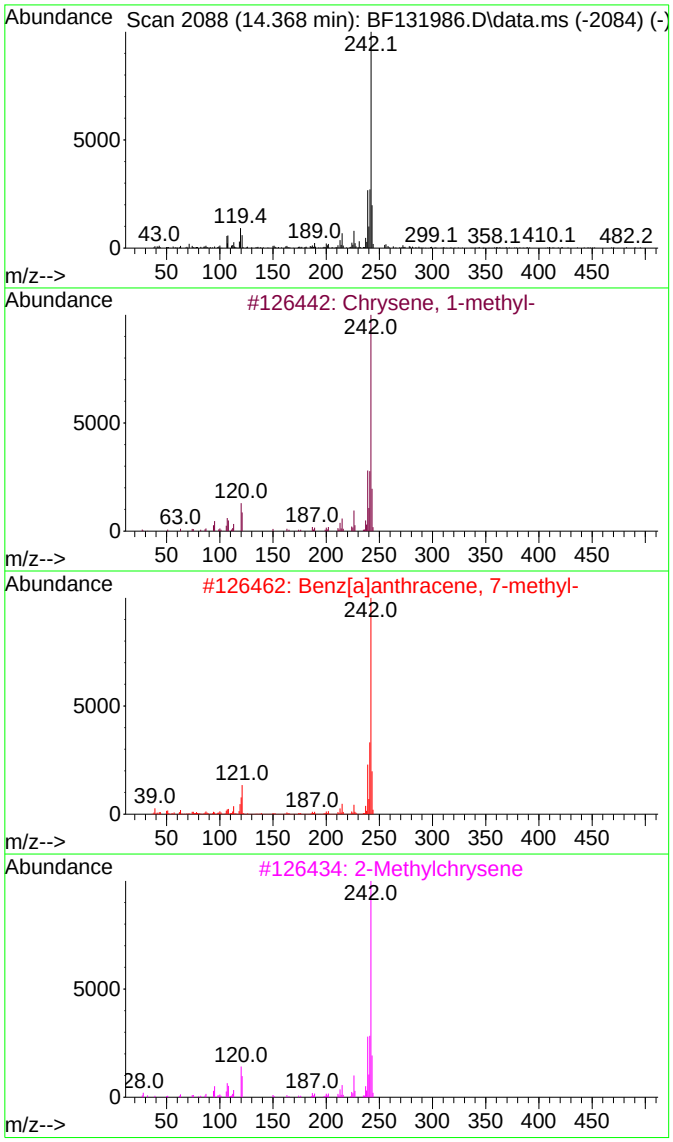
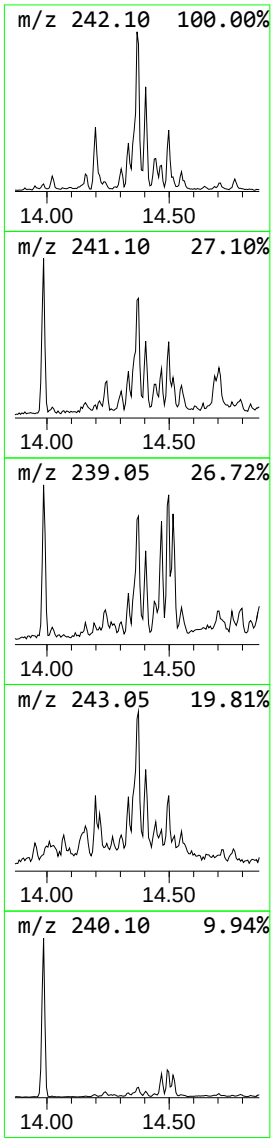
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.368	4.48 ng	305980	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93





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Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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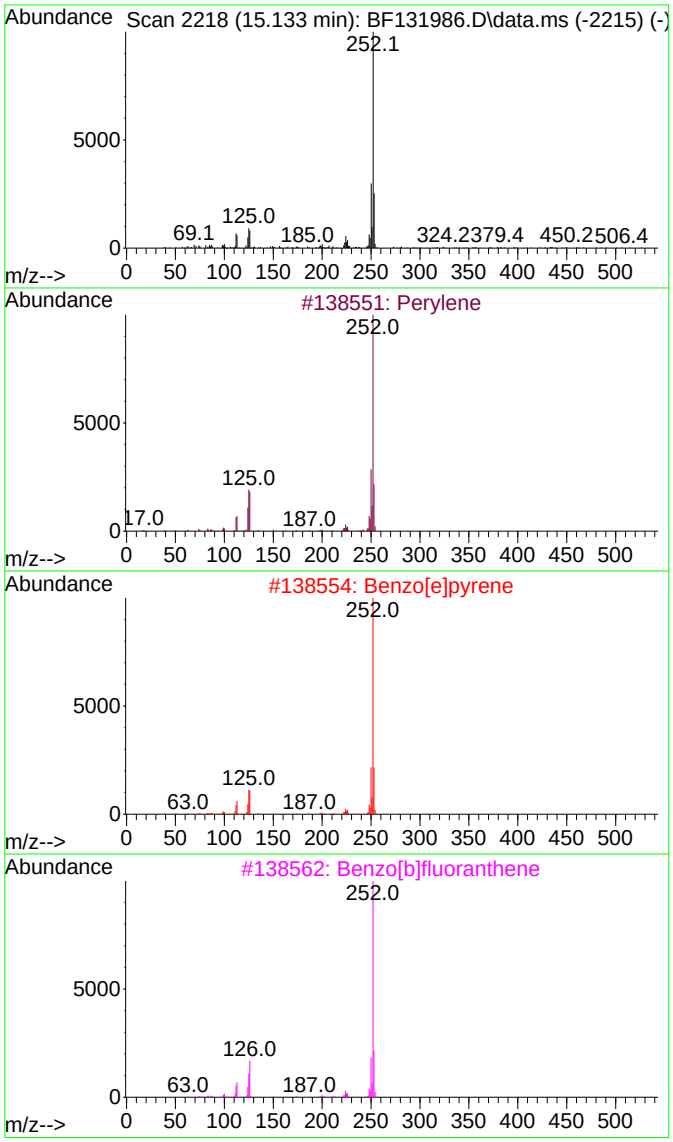
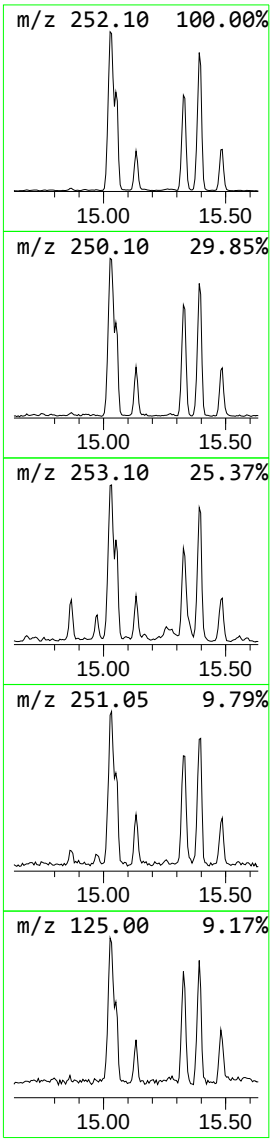
Peak Number 19 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	13.73 ng	195577	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Data File : BF131986.D
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Operator : CG\JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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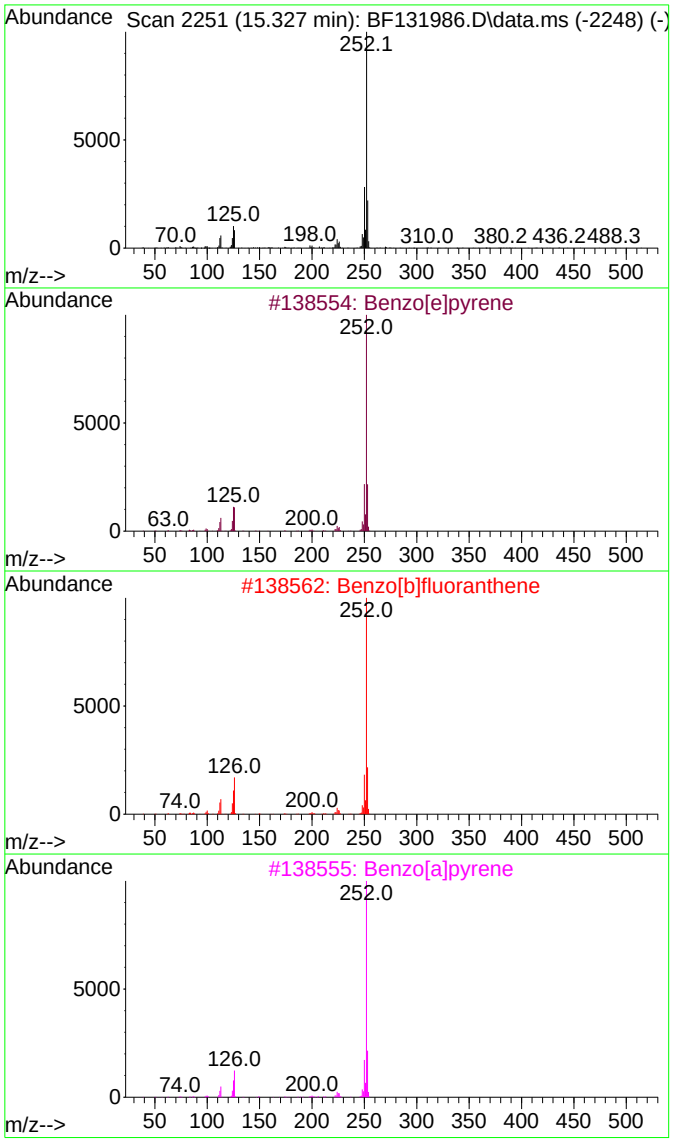
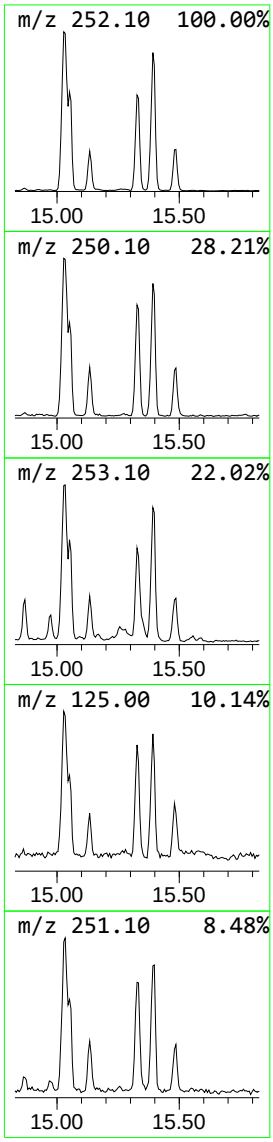
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.327	33.82 ng	481876	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131986.D
Acq On : 10 Jan 2023 03:21
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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
2-Pentanone, 4-...	4.963	4.9	ng	100785	1	6.787	408461	20.0
1,4,5,8-Tetrame...	10.751	5.3	ng	114831	4	11.327	433017	20.0
Dibenzothiophene	11.222	3.9	ng	84271	4	11.327	433017	20.0
Dibenzothiophen...	11.663	4.1	ng	88785	4	11.327	433017	20.0
Phenanthrene, 2...	11.833	11.8	ng	255259	4	11.327	433017	20.0
Phenanthrene, 1...	11.863	14.1	ng	305178	4	11.327	433017	20.0
Anthracene, 1-m...	11.910	4.7	ng	102689	4	11.327	433017	20.0
4H-Cyclopenta[d...	11.945	16.2	ng	350360	4	11.327	433017	20.0
Phenanthrene, 4...	11.969	9.2	ng	199082	4	11.327	433017	20.0
5,16[1',2']:8,1...	12.127	5.8	ng	124691	4	11.327	433017	20.0
9,10-Anthracene...	12.163	7.6	ng	164712	4	11.327	433017	20.0
Phenanthrene, 3...	12.310	5.0	ng	107727	4	11.327	433017	20.0
Phenanthrene, 2...	12.386	13.2	ng	285732	4	11.327	433017	20.0
unknown12.422	12.422	9.0	ng	194908	4	11.327	433017	20.0
Cyclopenta(def)...	12.474	9.5	ng	206146	4	11.327	433017	20.0
11H-Benzo[a]flu...	12.998	4.9	ng	336331	5	13.986	1364600	20.0
Pyrene, 1-methyl-	13.110	4.3	ng	294553	5	13.986	1364600	20.0
Chrysene, 1-met...	14.368	4.5	ng	305980	5	13.986	1364600	20.0
Perylene	15.133	13.7	ng	195577	6	15.451	284940	20.0
Benzo[e]pyrene	15.327	33.8	ng	481876	6	15.451	284940	20.0