LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122527.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	4	8	20	rVB	125620	188306	3.27%	0.267%
2	5.069	503	507	518	rVB	195343	228465	3.97%	0.323%
3	5.475	572	576	580	rBV	3209926	3264453	56.67%	4.621%
4	6.486	743	748	765	rBV	3641895	3907713	67.84%	5.532%
5	6.681	778	781	795	rBV	235934	274847	4.77%	0.389%
6	6.857	807	811	814	rBV	1343092	1136524	19.73%	1.609%
7	7.416	897	906	909	rBV	2640717	2545992	44.20%	3.604%
8	7.457	909	913	917	rVB	157058	167497	2.91%	0.237%
9	7.880	983	985	989	rVB3	162114	153530	2.67%	0.217%
10	8.139	1024	1029	1031	rBV	1788878	1778696	30.88%	2.518%
11	8.163	1031	1033	1036	rVV	565749	488351	8.48%	0.691%
12	8.204	1037	1040	1043	rVB2	117570	111338	1.93%	0.158%
13	8.563	1098	1101	1104	rBV	134633	123931	2.15%	0.175%
14	8.733	1127	1130	1133	rBV	498365	377122	6.55%	0.534%
15	8.851	1148	1150	1155	rVB	290325	248577	4.32%	0.352%
16	8.951	1164	1167	1171	rVB	210784	161813	2.81%	0.229%
17	9.216	1208	1212	1223	rVV	5000516	4768717	82.78%	6.750%
18	9.298	1223	1226	1228	rVV	367023	295995	5.14%	0.419%
19	9.339	1228	1233	1243	rVB	1547070	1728069	30.00%	2.446%
20	9.486	1253	1258	1261	rBV	72531	102973	1.79%	0.146%
21	9.551	1266	1269	1272	rVV	112179	123086	2.14%	0.174%
22	9.610	1276	1279	1287	rVV	725400	698066	12.12%	0.988%
23	9.827	1313	1316	1319	rVB	147803	107517	1.87%	0.152%
24	9.898	1322	1328	1331	rBV	2123507	1852632	32.16%	2.623%
25	9.927	1331	1333	1337	rVB	186254	154142	2.68%	0.218%
26	10.098	1358	1362	1366	rBV	156847	157247	2.73%	0.223%
27	10.216	1375	1382	1384	rBV3	64945	105148	1.83%	0.149%
28	10.439	1417	1420	1425	rBV2	186378	206135	3.58%	0.292%
29	10.486	1425	1428	1437	rBV	350699	752915	13.07%	1.066%
30	10.686	1457	1462	1468	rBV	2639847	2571046	44.63%	3.640%
31	10.804	1479	1482	1487	rVB3	104701	155416	2.70%	0.220%
32	11.233	1551	1555	1556	rBV	83115	96597	1.68%	0.137%
33	11.251	1556	1558	1560	rVV	178873	161547	2.80%	0.229%
34	11.280	1560	1563	1568	rVB	256552	251174	4.36%	0.356%
35	11.386	1576	1581	1583	rBV	1999545	2104744	36.54%	2.979%
36	11.410	1583	1585	1588	rVV	2047614	1618243	28.09%	2.291%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.457	1590	1593	1596	rVV	534915	456264	7.92%	0.646%
38	11.610	1613	1619	1621	rBV3	140268	217511	3.78%	0.308%
39	11.633	1621	1623	1628	rVV3	121348	172875	3.00%	0.245%
40	11.680	1628	1631	1634	rVV	257441	257048	4.46%	0.364%
41	11.886	1662	1666	1668	rBV	352726	302876	5.26%	0.429%
42	11.915	1668	1671	1674	rVV	693677	673644	11.69%	0.954%
43	11.963	1676	1679	1682	rVV	222040	309198	5.37%	0.438%
44	11.998	1682	1685	1687	rVV	545116	613322	10.65%	0.868%
45	12.021	1687	1689	1693	rVB	297681	263842	4.58%	0.373%
46	12.086	1698	1700	1703	rVV	177110	155226	2.69%	0.220%
47	12.168	1711	1714	1718	rVV3	394574	558638	9.70%	0.791%
48	12.333	1736	1742	1745	rBV2	556425	522685	9.07%	0.740%
49	12.363	1745	1747	1749	rVV	188525	178338	3.10%	0.252%
50	12.386	1749	1751	1754	rVV	179886	169703	2.95%	0.240%
51	12.439	1757	1760	1763	rVV	219895	334291	5.80%	0.473%
52	12.474	1763	1766	1768	rVV2	397746	533033	9.25%	0.755%
53	12.492	1768	1769	1772	rVV	449870	415716	7.22%	0.588%
54	12.521	1772	1774	1780	rVV2	239087	340145	5.90%	0.482%
55	12.604	1784	1788	1790	rVV	3100896	2684277	46.60%	3.800%
56	12.633	1790	1793	1797	rVV3	431444	582947	10.12%	0.825%
57	12.698	1800	1804	1810	rVV	398256	563800	9.79%	0.798%
58	12.751	1810	1813	1820	rVV4	180636	329921	5.73%	0.467%
59	12.827	1820	1826	1832	rVV2	2447663	2957138	51.33%	4.186%
60	12.886	1832	1836	1839	rVV3	306919	381200	6.62%	0.540%
61	12.945	1843	1846	1847	rVV2	299722	293505	5.10%	0.415%
62	12.974	1847	1851	1854	rVV	5884091	5760533	100.00%	8.154%
63	13.051	1858	1864	1867	rVV3	199262	343414	5.96%	0.486%
64	13.110	1870	1874	1876	rVV	1054885	897800	15.59%	1.271%
65	13.157	1879	1882	1885	rVB	471586	425298	7.38%	0.602%
66	13.221	1891	1893	1895	rBV	248159	192529	3.34%	0.273%
67	13.257	1895	1899	1907	rVB2	407098	643303	11.17%	0.911%
68	13.321	1907	1910	1913	rBV2	66355	96481	1.67%	0.137%
69	13.351	1913	1915	1918	rVB	143606	103874	1.80%	0.147%
70	13.380	1918	1920	1924	rBV2	176620	176651	3.07%	0.250%
71	13.439	1928	1930	1933	rVV2	208389	229556	3.98%	0.325%
72	13.474	1933	1936	1940	rVB	646728	601457	10.44%	0.851%
73	13.545	1944	1948	1952	rBV7	79601	149278	2.59%	0.211%
74	13.662	1966	1968	1973	rVB	201707	238713	4.14%	0.338%
75	13.774	1983	1987	1989	rBV2	167665	172509	2.99%	0.244%
76	13.804	1989	1992	1994	rVV	249281	205133	3.56%	0.290%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.827	1994	1996	2001	rVV2	171922	255450	4.43%	0.362%
78	13.868	2001	2003	2008	rVB	171185	173108	3.01%	0.245%
79	13.927	2008	2013	2022	rBV4	270914	815375	14.15%	1.154%
80	14.027	2022	2030	2032	rVV2	2508349	3441504	59.74%	4.872%
81	14.051	2032	2034	2040	rVB	1244912	1141449	19.81%	1.616%
82	14.133	2046	2048	2050	rVB	137833	96850	1.68%	0.137%
83	14.168	2051	2054	2056	rBV	114095	102283	1.78%	0.145%
84	14.251	2064	2068	2071	rVV3	77951	109547	1.90%	0.155%
85	14.415	2092	2096	2098	rVB	217128	223701	3.88%	0.317%
86	14.445	2098	2101	2105	rVB	130133	126690	2.20%	0.179%
87	14.498	2105	2110	2114	rBV4	121819	216336	3.76%	0.306%
88	14.556	2118	2120	2124	rVB3	103986	95619	1.66%	0.135%
89	15.068	2202	2207	2210	rBV	732090	1154206	20.04%	1.634%
90	15.174	2222	2225	2229	rVB	171523	180986	3.14%	0.256%
91	15.280	2237	2243	2248	rBV4	60328	151923	2.64%	0.215%
92	15.374	2254	2259	2265	rVB	415235	588581	10.22%	0.833%
93	15.433	2265	2269	2275	rBV	707978	848636	14.73%	1.201%
94	15.498	2275	2280	2284	rBV	1282879	1694901	29.42%	2.399%
95	15.527	2284	2285	2292	rVB2	245159	246589	4.28%	0.349%
96	16.962	2522	2529	2538	rVB2	268248	549859	9.55%	0.778%
97	17.139	2554	2559	2564	rBV	68943	129870	2.25%	0.184%
98	17.203	2564	2570	2575	rBV3	56624	124671	2.16%	0.176%
99	17.403	2598	2604	2614	rVB	188994	385855	6.70%	0.546%
100	17.639	2639	2644	2651	rVB2	63547	116409	2.02%	0.165%

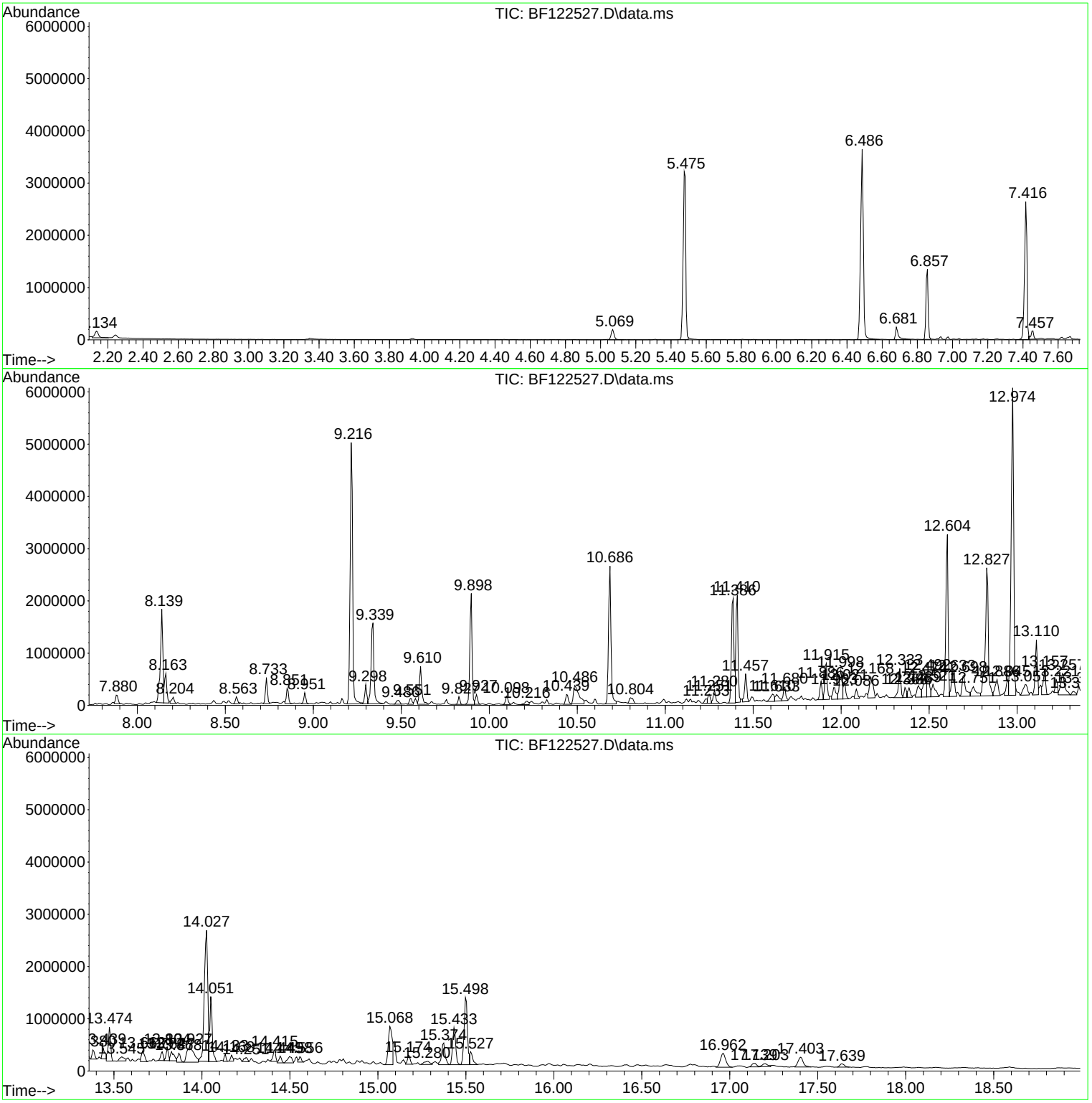
Sum of corrected areas: 70642634

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

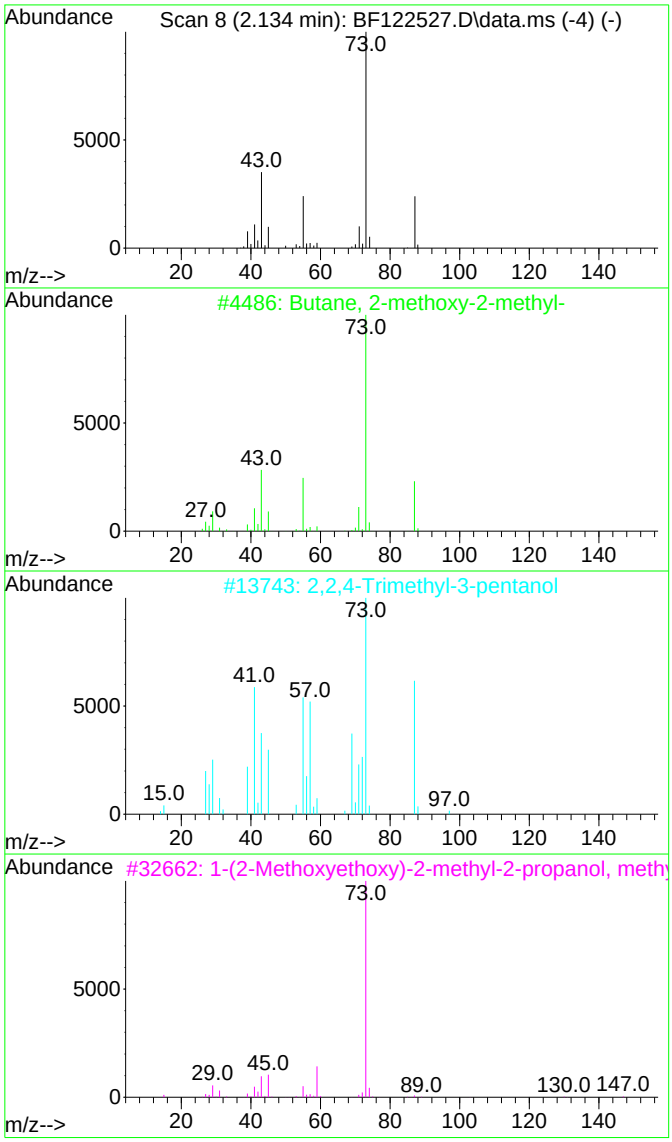
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

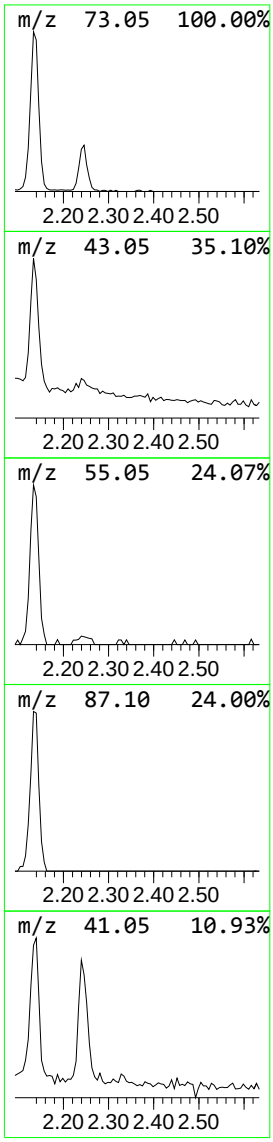
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	3.31 ng	188306	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	28
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-0-10

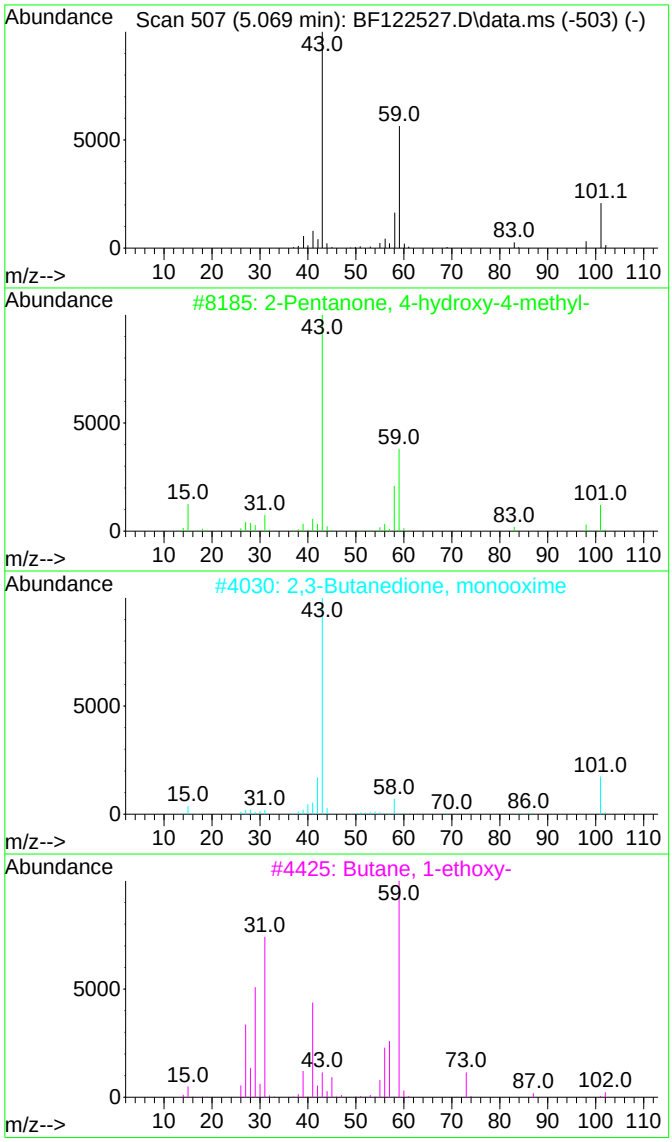
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

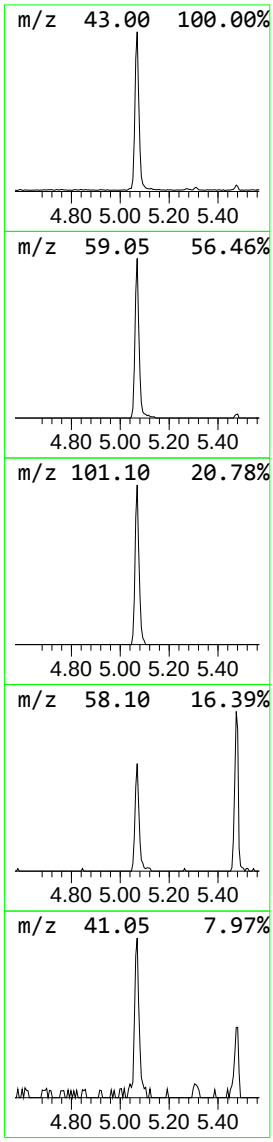
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.069	4.02 ng	228465	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

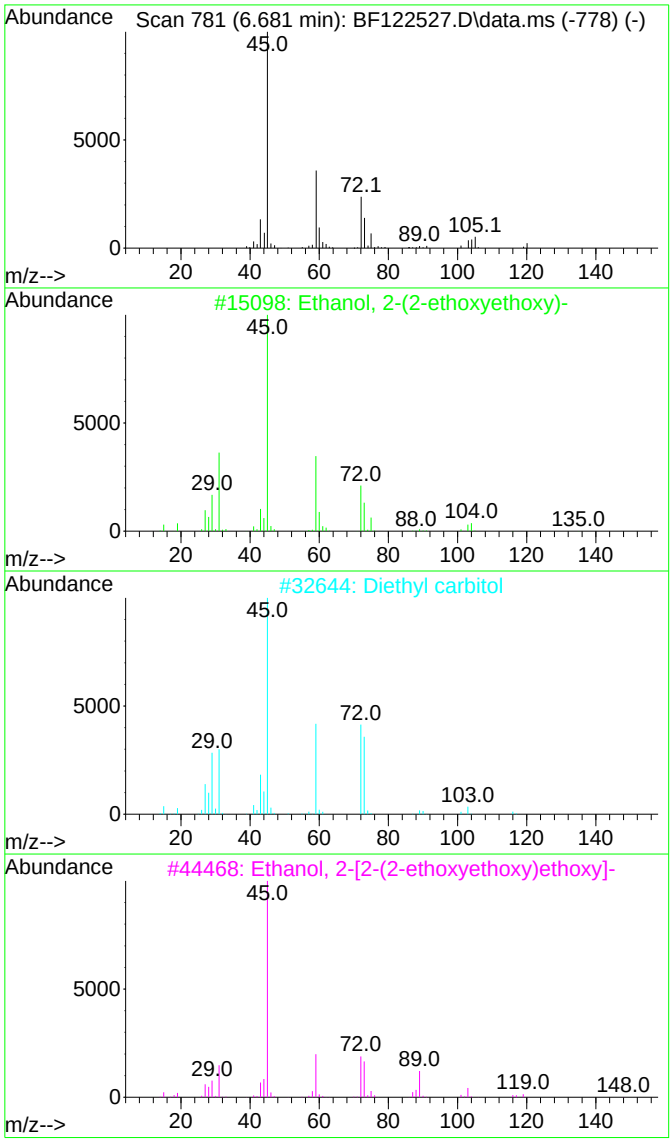
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

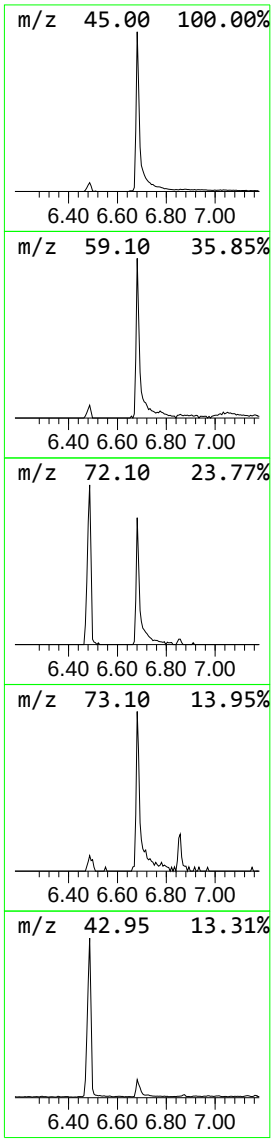
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.681	4.84 ng	274847	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	90
2	Diethyl carbitol	162	C8H18O3	000112-36-7	72
3	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	64
4	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	46
5	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

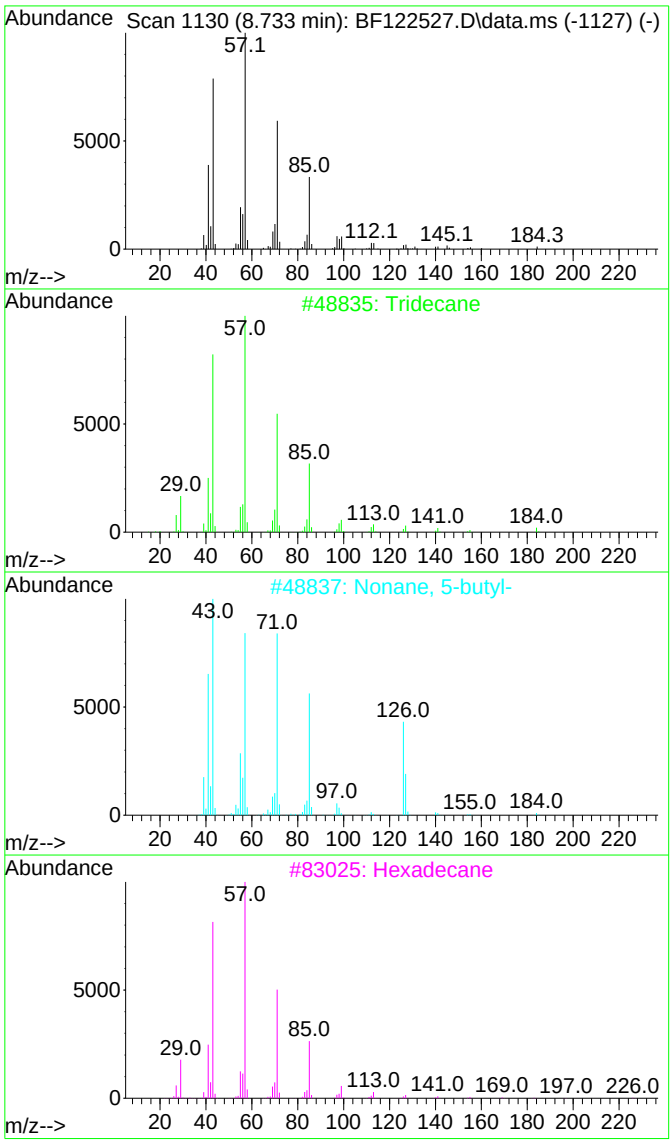
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

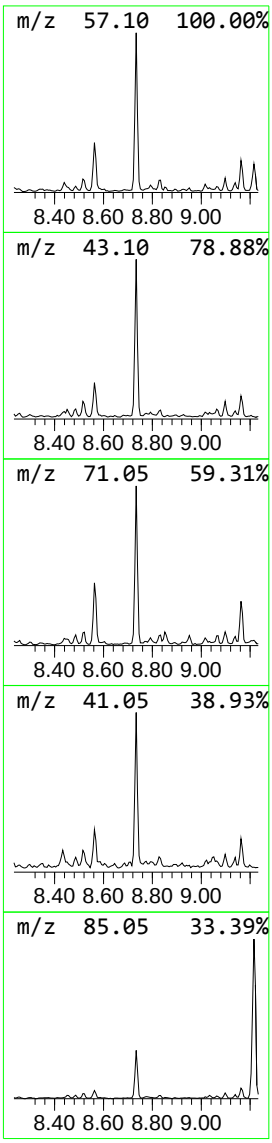
****

Peak Number 4 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.733	4.24 ng	377122	Naphthalene-d8	8.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	87
3	Hexadecane	226	C16H34	000544-76-3	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Tetradecane	198	C14H30	000629-59-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

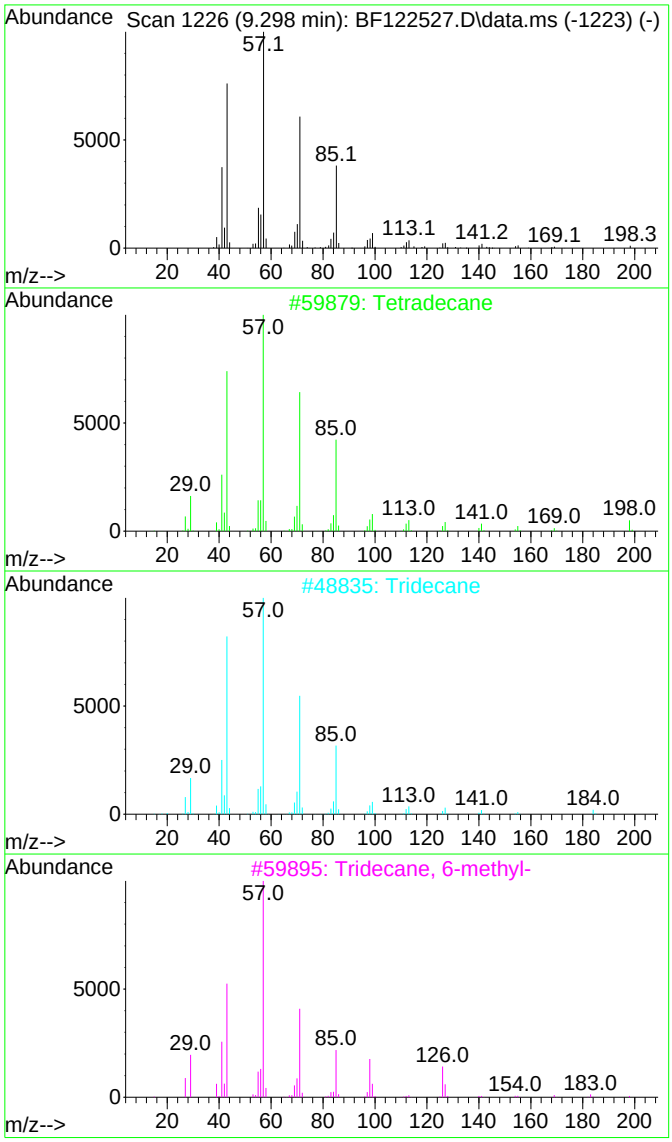
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

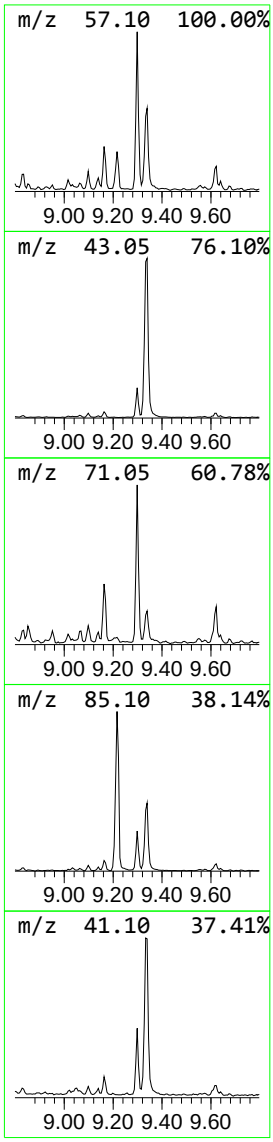
****

Peak Number 5 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.298	3.20 ng	295995	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
5	Hexadecane	226	C16H34	000544-76-3	72





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Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

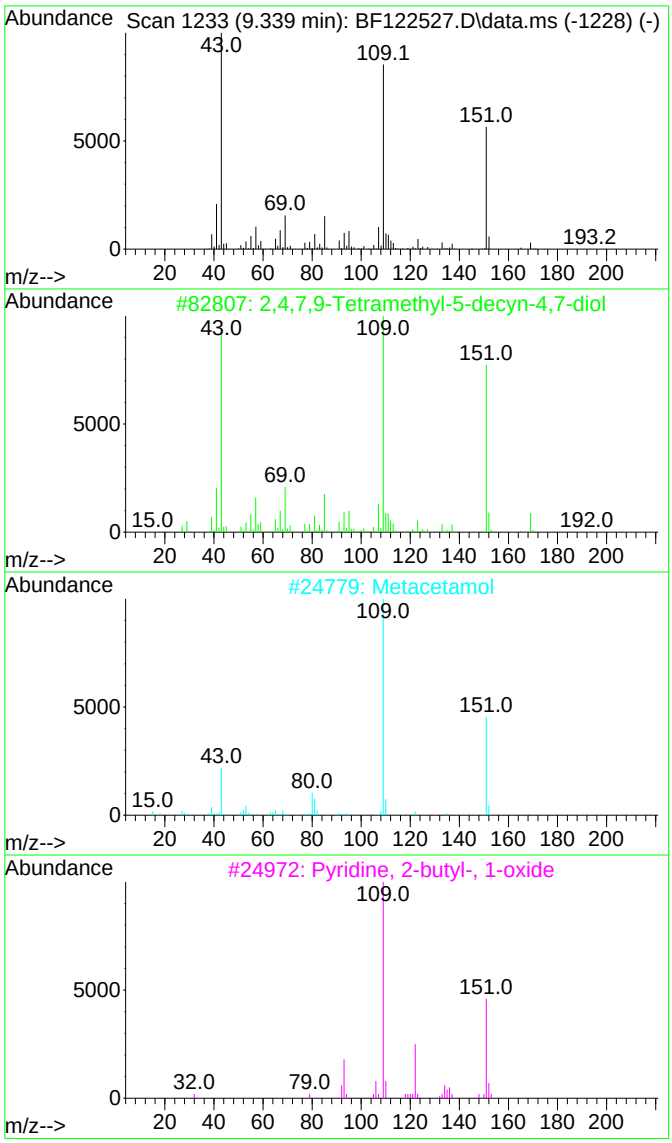
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

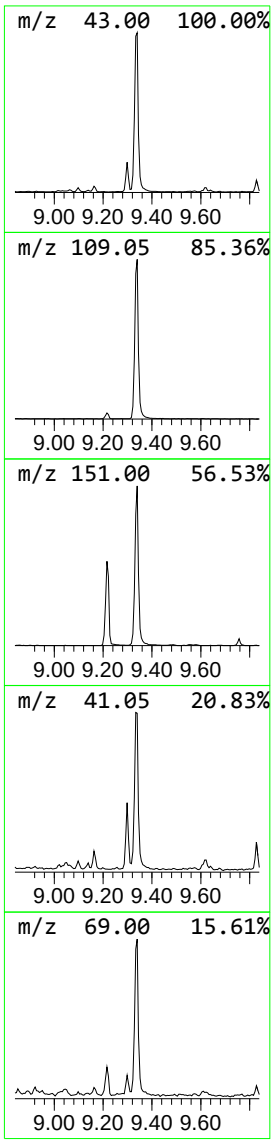
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.339	18.66 ng	1728070	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	59
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	59
4	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	59
5	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	43





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

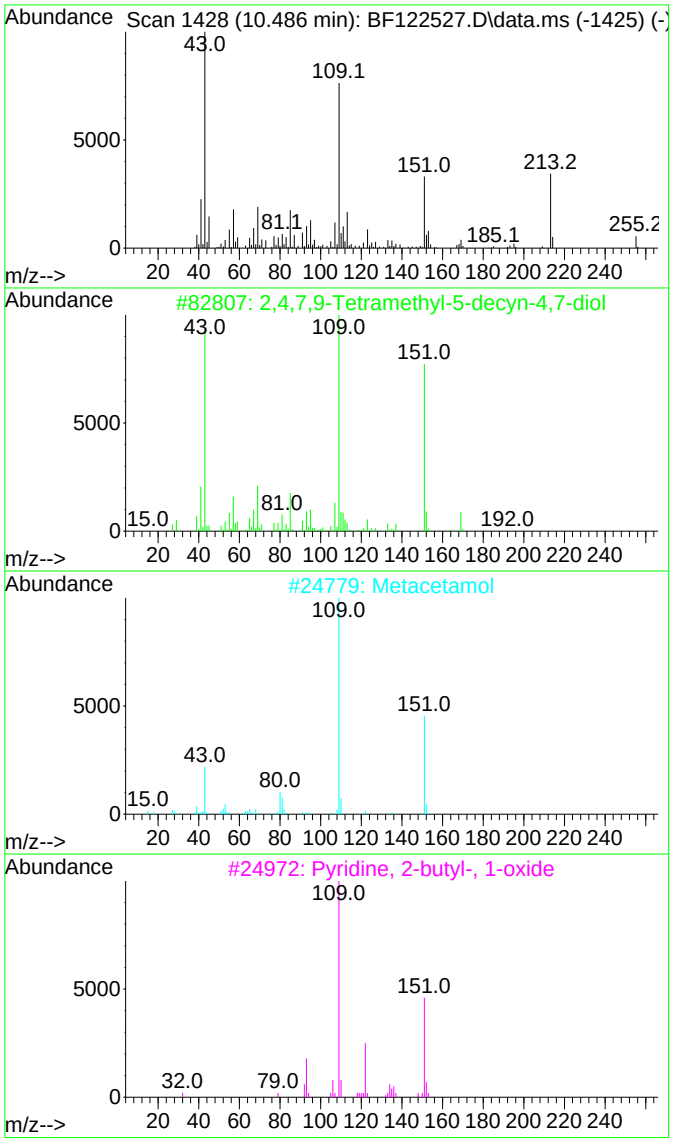
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

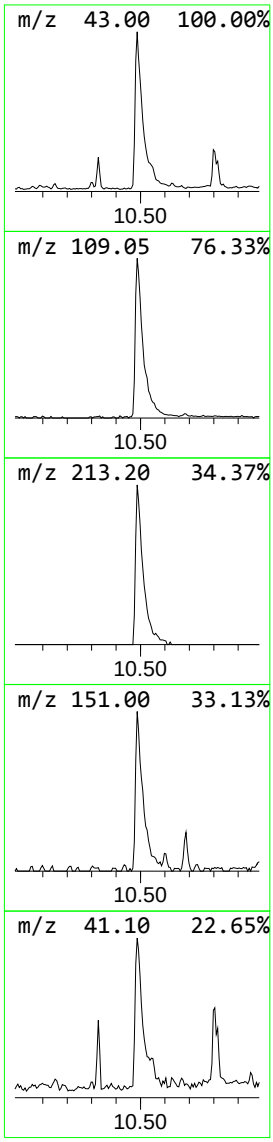
****

Peak Number 7 unknown10.486 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.486	8.13 ng	752915	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	72
2	Metacetamol	151	C8H9NO2	000621-42-1	46
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	46
4	Acetaminophen	151	C8H9NO2	000103-90-2	43
5	4-Pyridinemethanol, acetate (ester)	151	C8H9NO2	001007-48-3	43





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

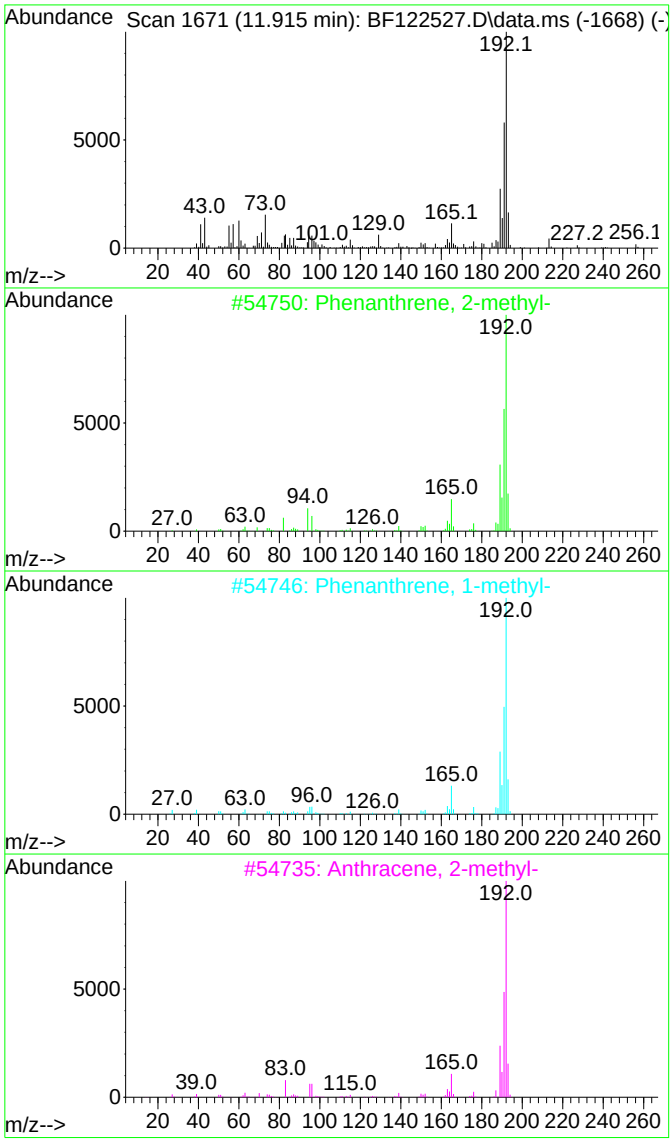
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

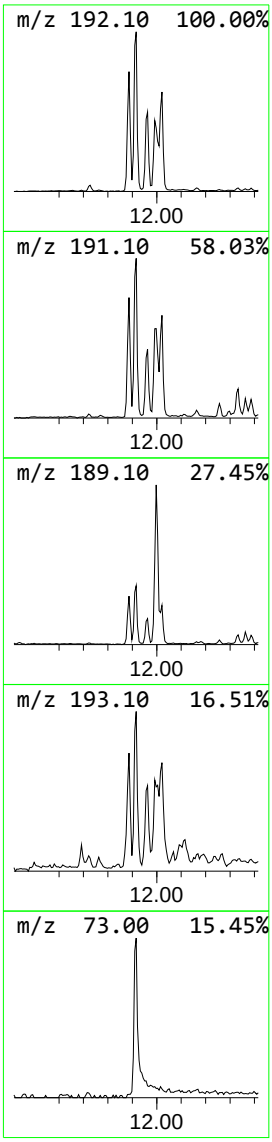
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	6.40 ng	673644	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-0-10

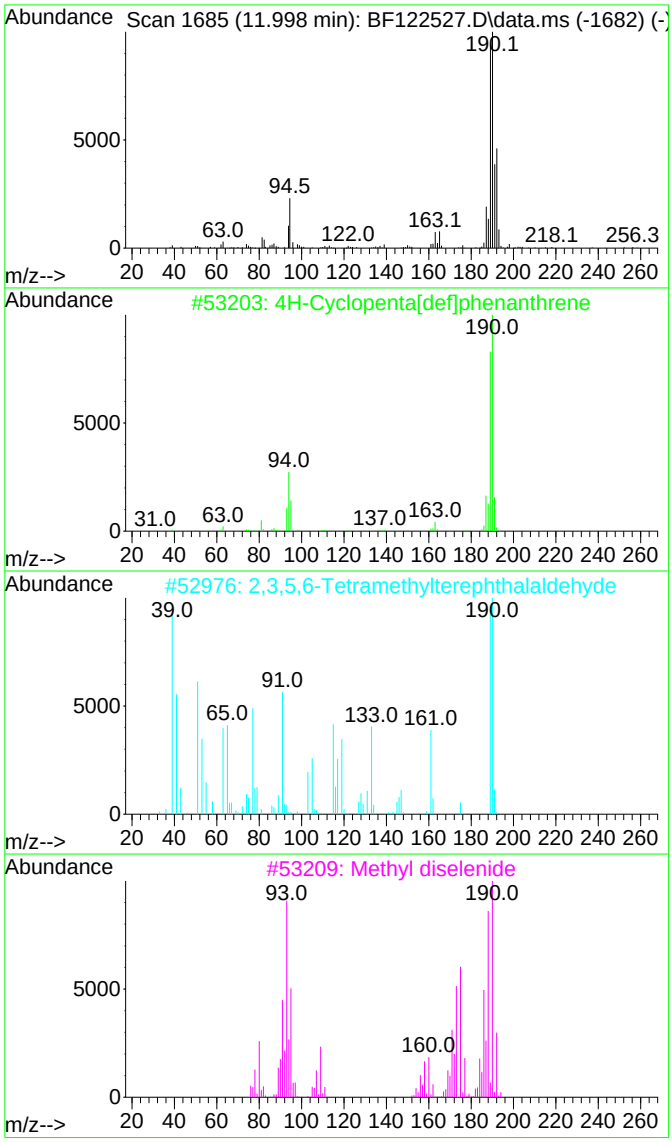
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

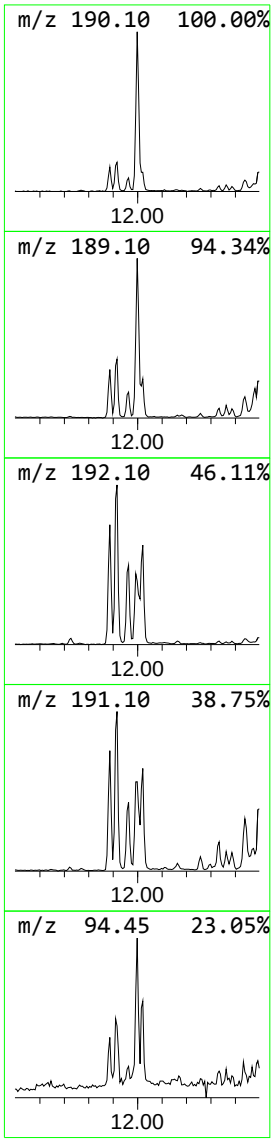
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	5.83 ng	613322	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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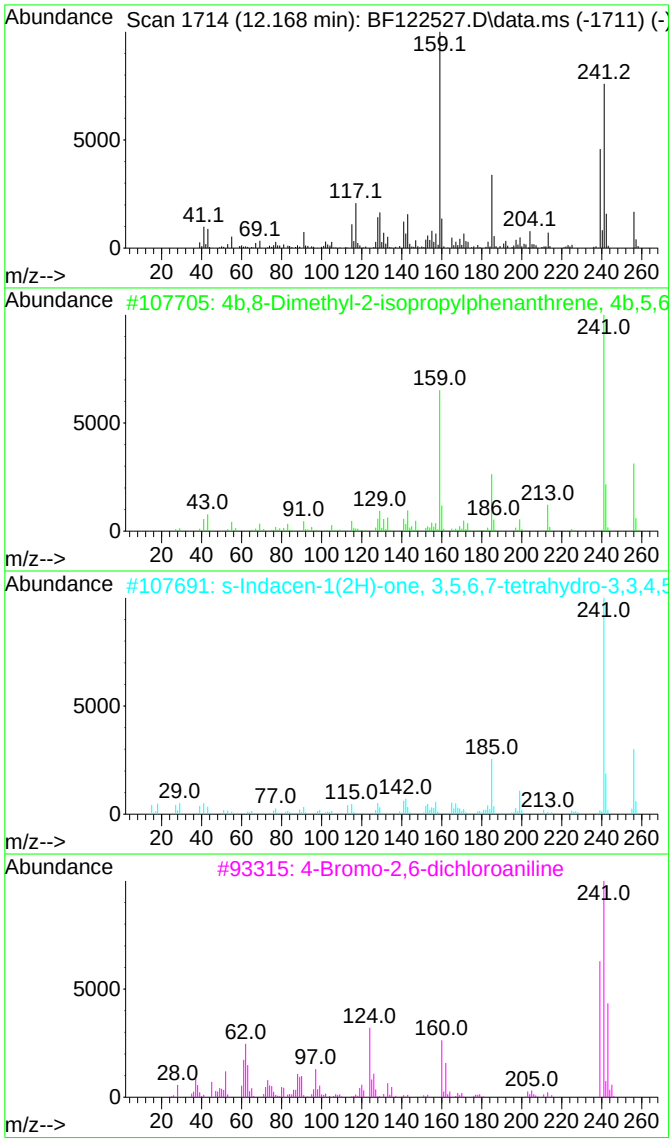
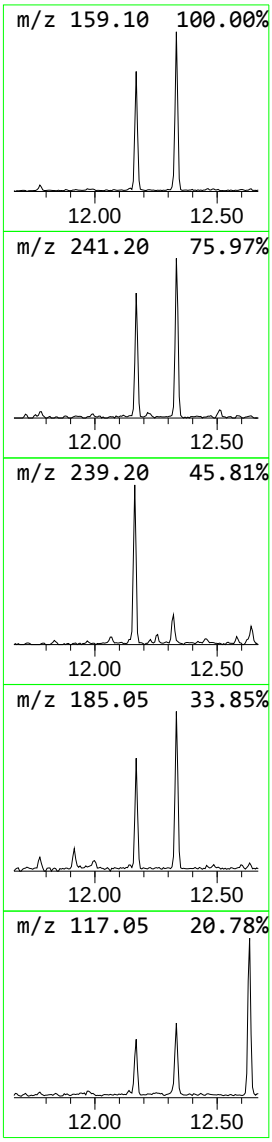
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.168	5.31 ng	558638	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	89
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	62
3	4-Bromo-2,6-dichloroaniline	239	C6H4BrCl2N	000697-86-9	35
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	30
5	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	27





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Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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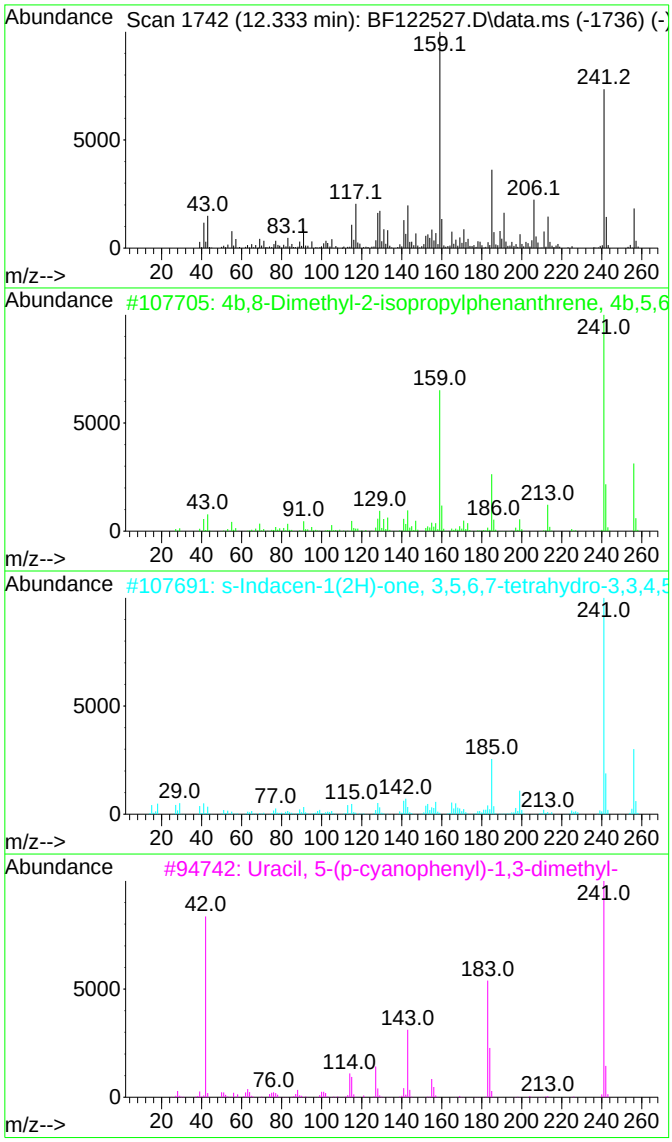
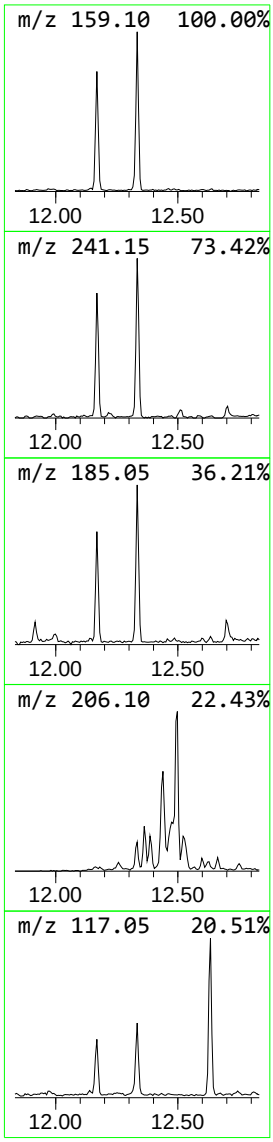
Peak Number 11 unknown12.333 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	4.97 ng	522685	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	99
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	58
3	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	30
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	27
5	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	25





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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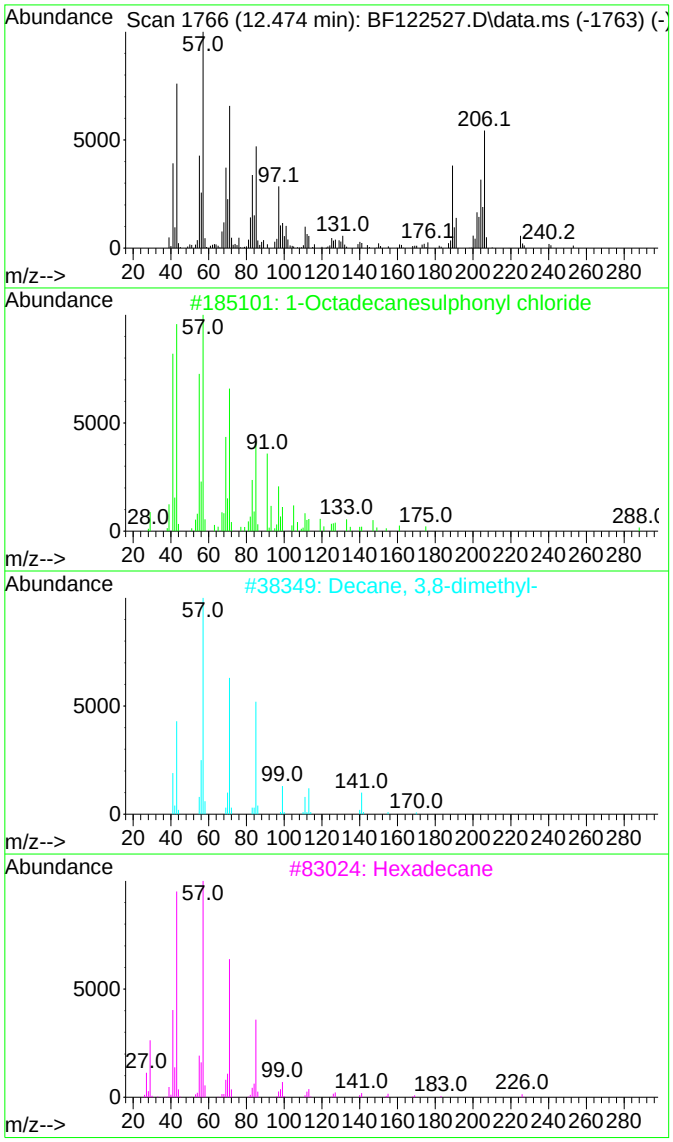
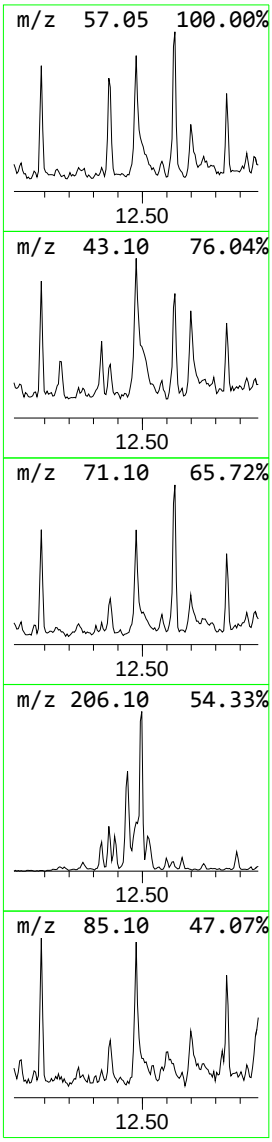
Peak Number 12 unknown12.474 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	5.07 ng	533033	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	38
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	35
3	Hexadecane	226	C16H34	000544-76-3	35
4	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	30
5	Heptadecane	240	C17H36	000629-78-7	30





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Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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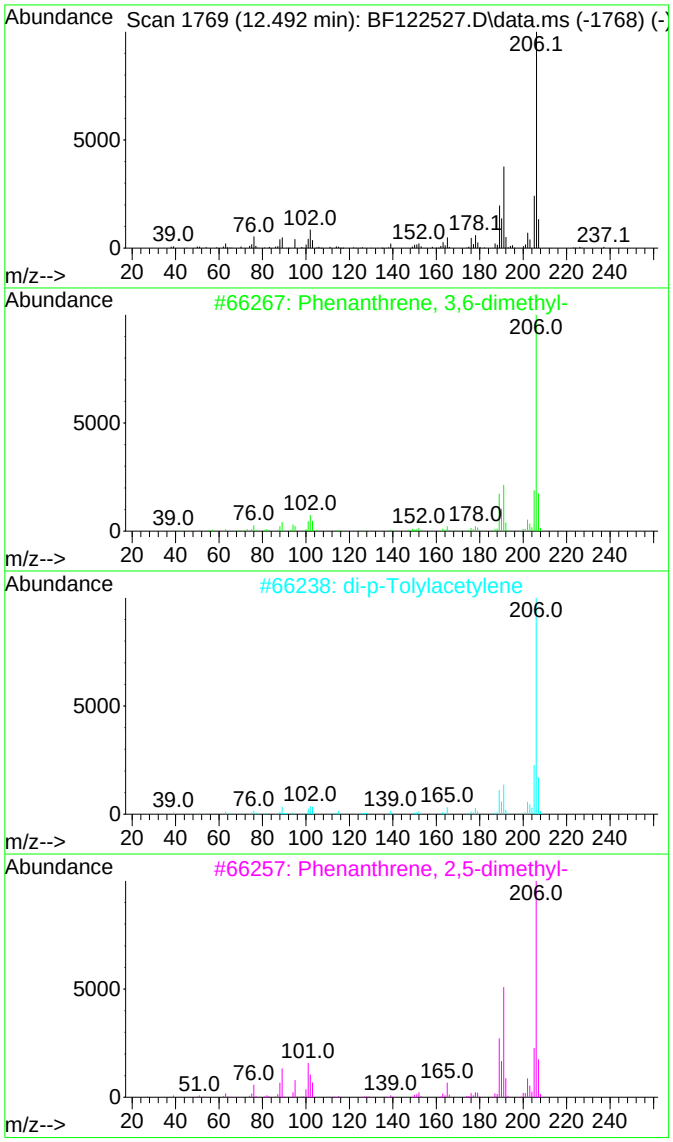
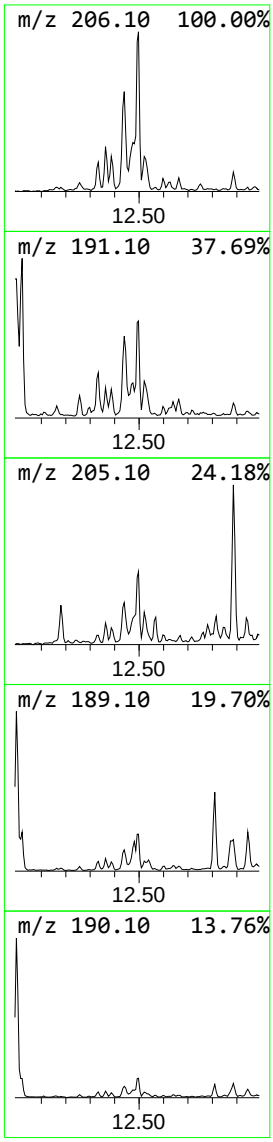
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	3.95 ng	415716	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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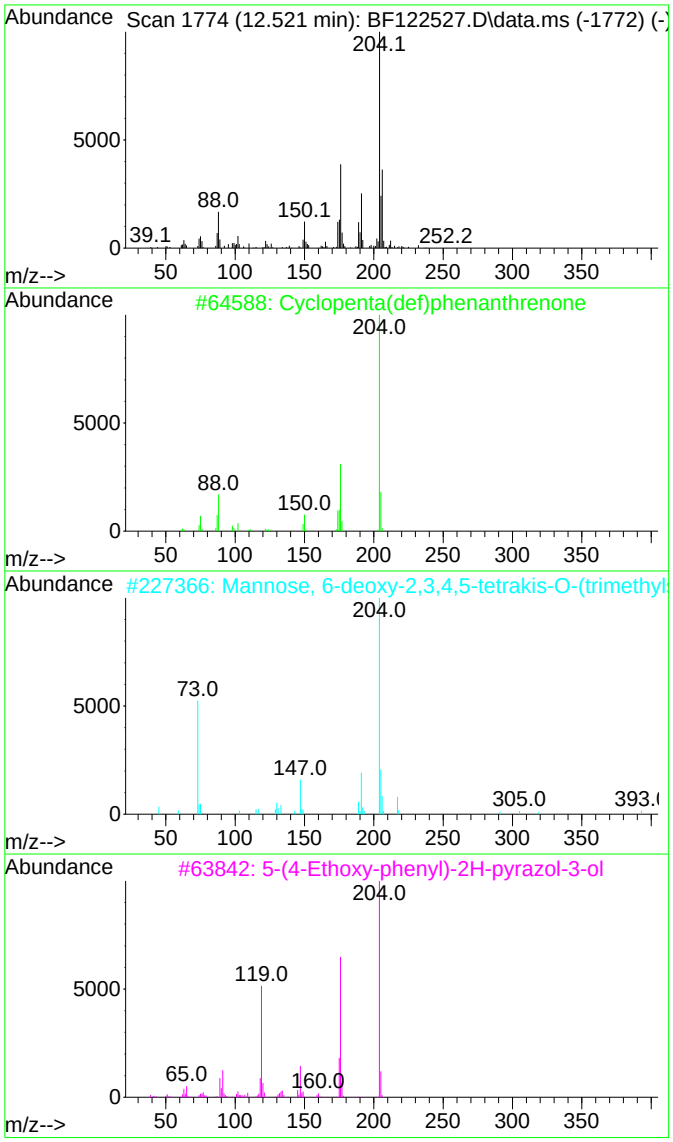
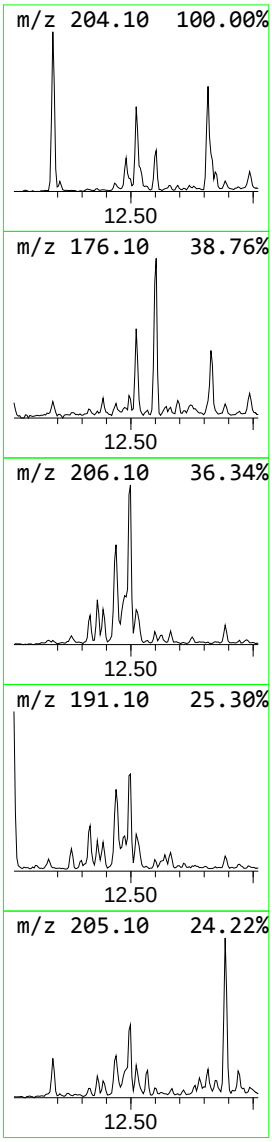
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.521	3.23 ng	340145	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	47
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46





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Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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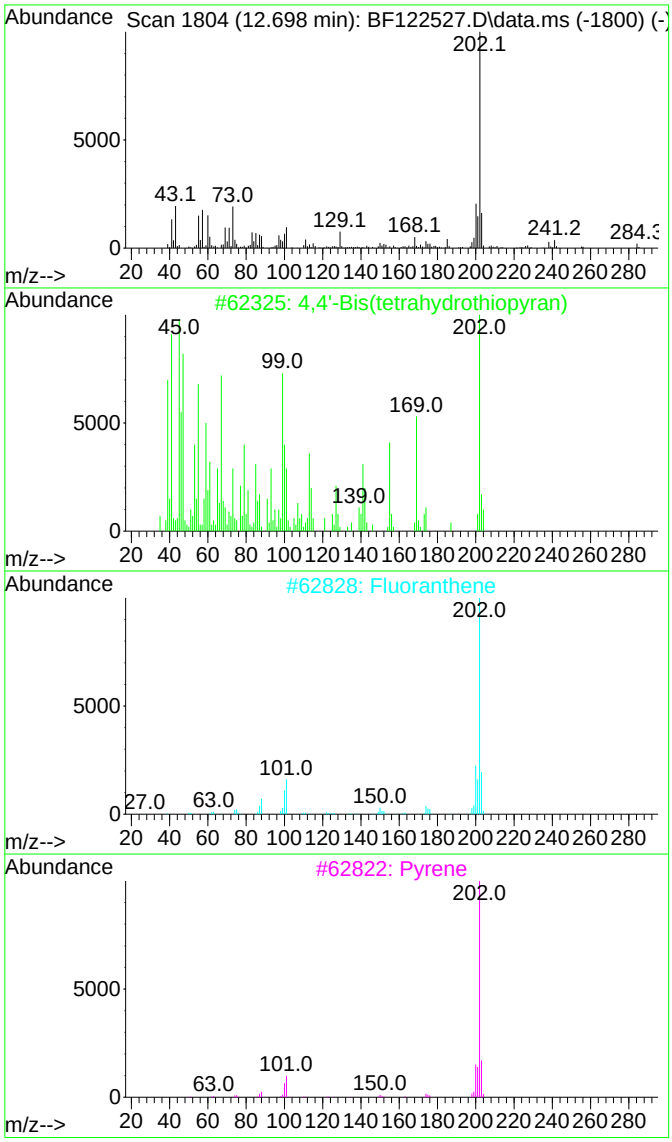
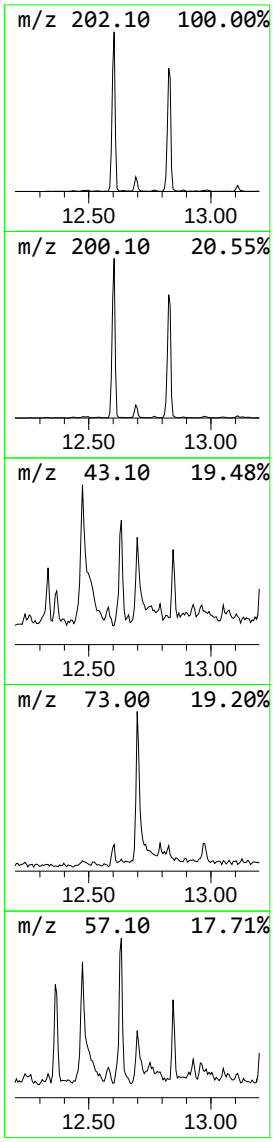
Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	5.36 ng	563800	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2	Fluoranthene	202	C16H10	000206-44-0	93
3	Pyrene	202	C16H10	000129-00-0	64
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	58
5	7H-Furo[3,2-g][1]benzopyran-7-on...	202	C11H6O4	002009-24-7	50





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Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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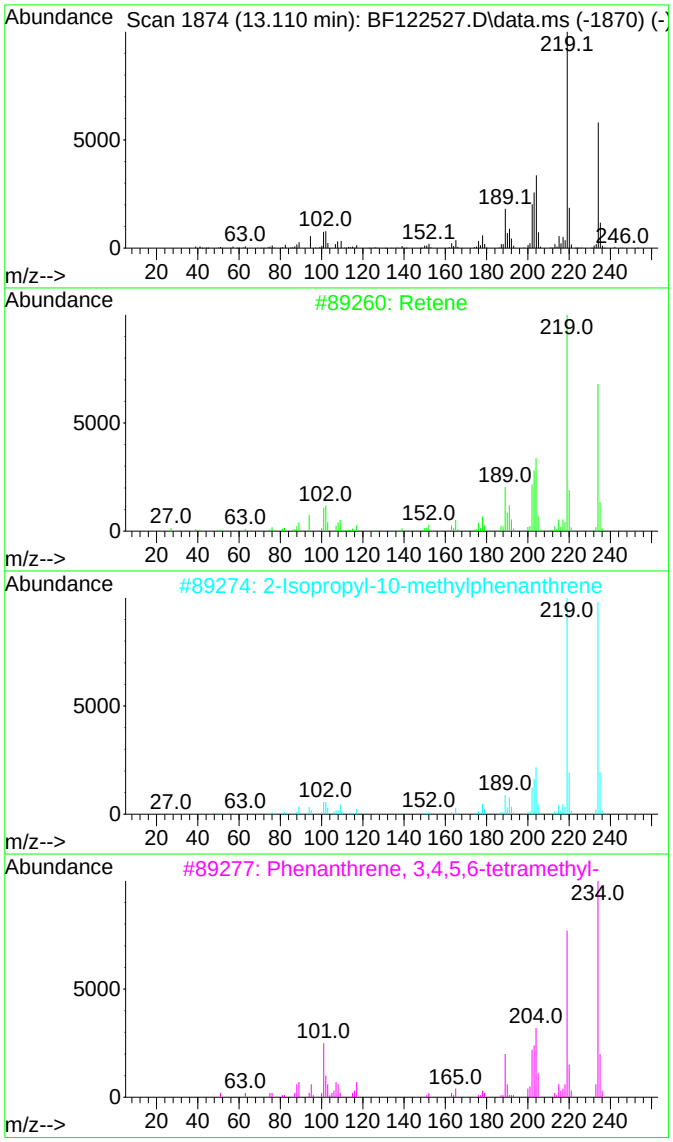
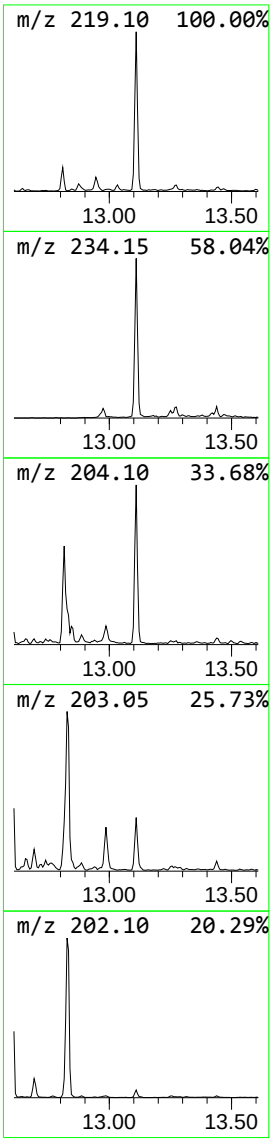
Peak Number 16 Retene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	5.22 ng	897800	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	53
4	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	52
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	52





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Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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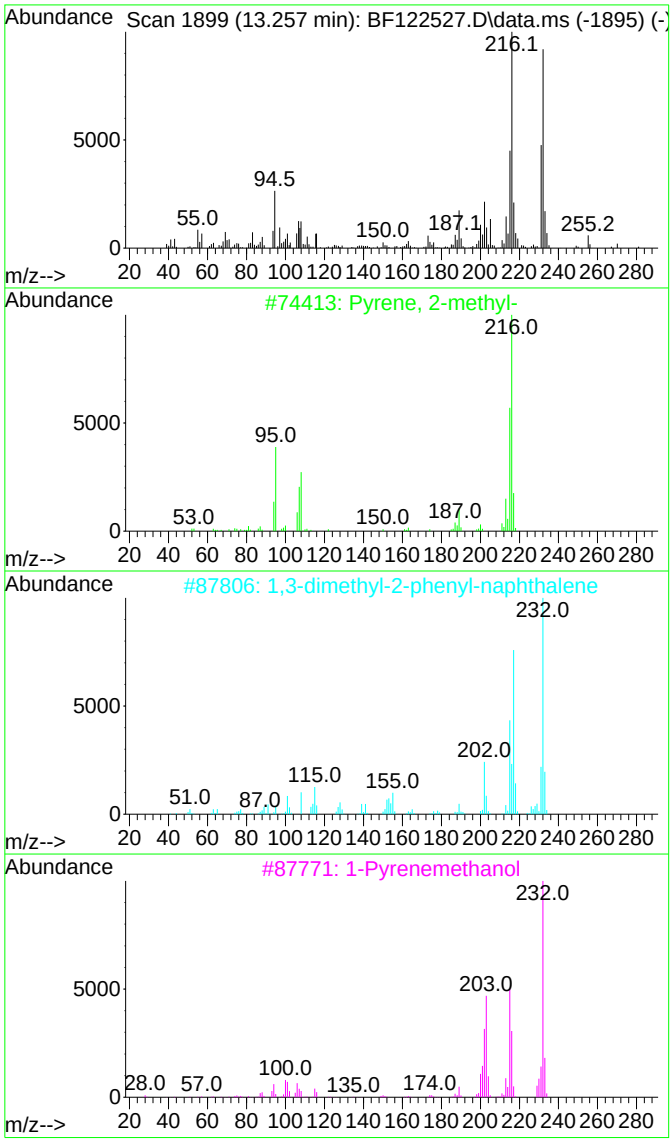
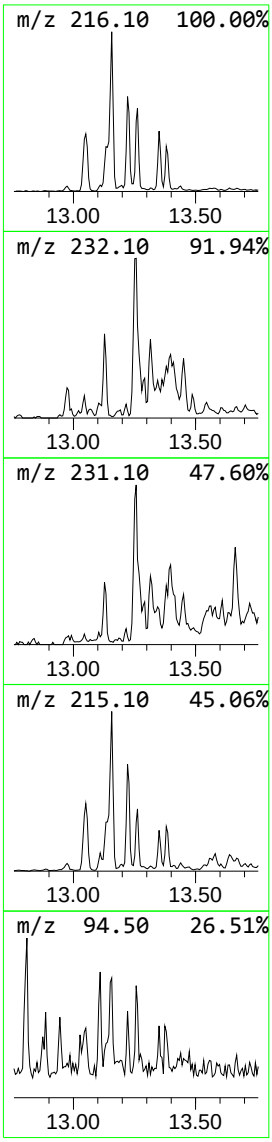
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	3.74 ng	643303	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62
2	1,3-dimethyl-2-phenyl-naphthalene	232	C18H16	1000379-93-4	46
3	1-Pyrenemethanol	232	C17H12O	024463-15-8	45
4	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	43
5	1,2,3,4-Tetrahydrobenz[a]anthracene	232	C18H16	004483-98-1	43





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Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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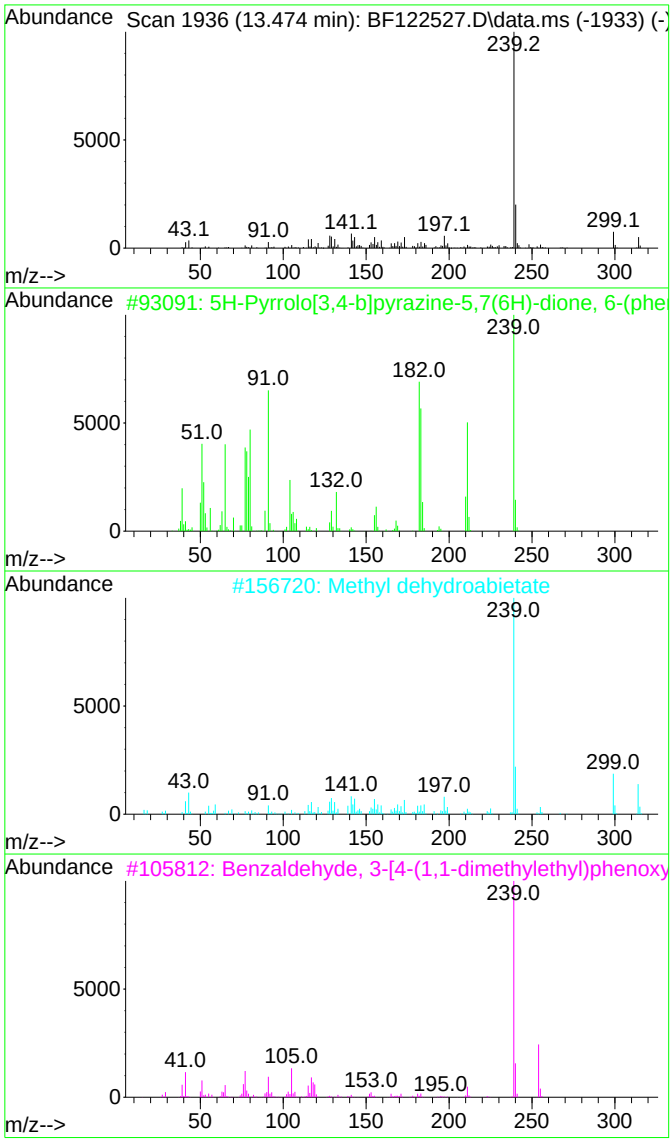
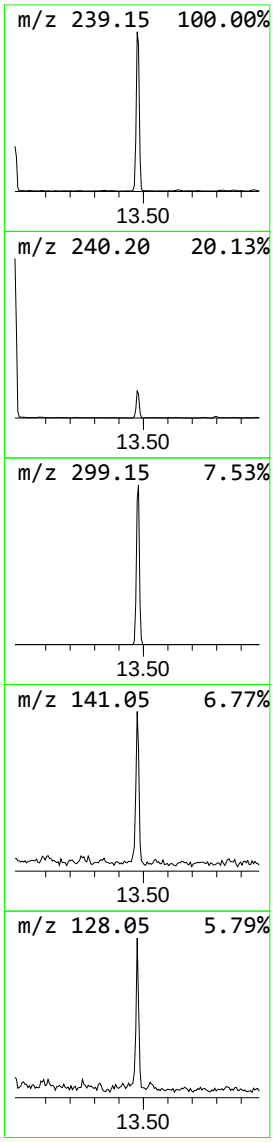
Peak Number 18 5H-Pyrrolo[3,4-b]pyrazine-5... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.474	3.50 ng	601457	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Pyrrolo[3,4-b]pyrazine-5,7(6H...	239	C13H9N3O2	1000337-19-6	76
2	Methyl dehydroabietate	314	C21H30O2	001235-74-1	74
3	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	45
4	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	45
5	4-(4-Oxo-1,2,3,4,6,7,12,12b-octa...	326	C19H22N2O3	1000137-91-1	45





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Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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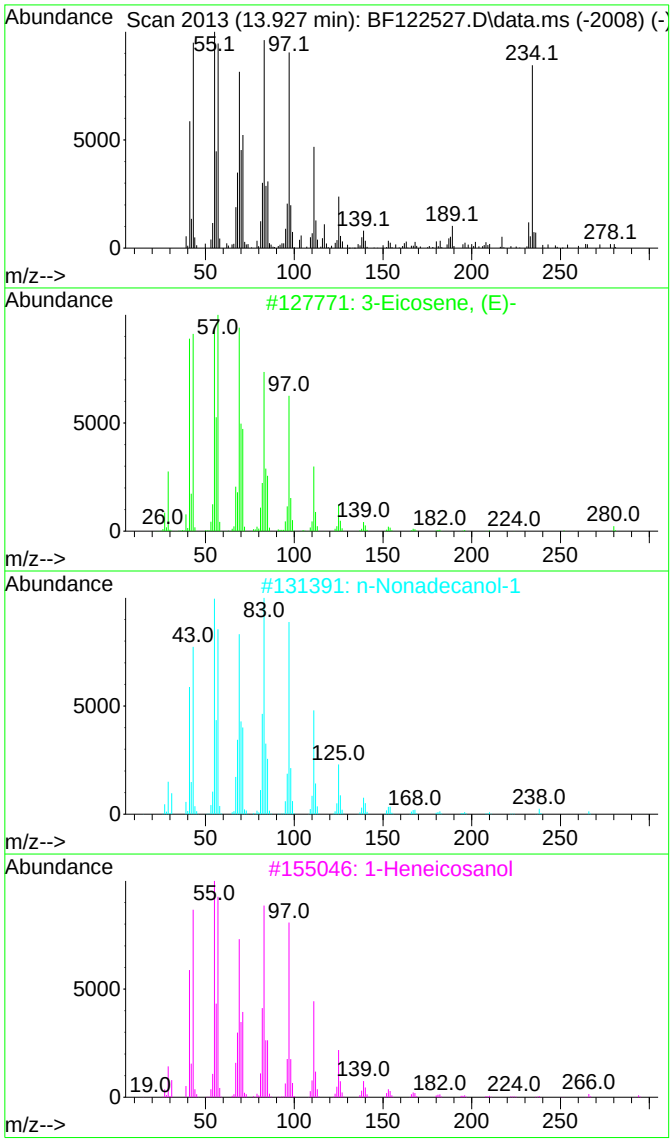
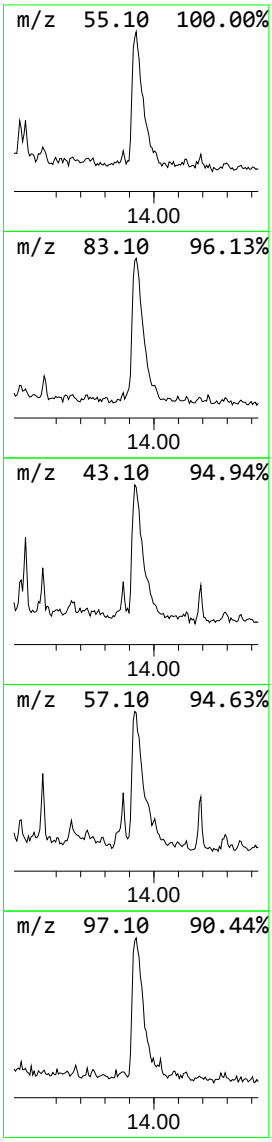
Peak Number 19 3-Eicosene, (E)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.927	4.74 ng	815375	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	90
3	1-Heneicosanol	312	C21H44O	015594-90-8	90
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	81
5	Behenic alcohol	326	C22H46O	000661-19-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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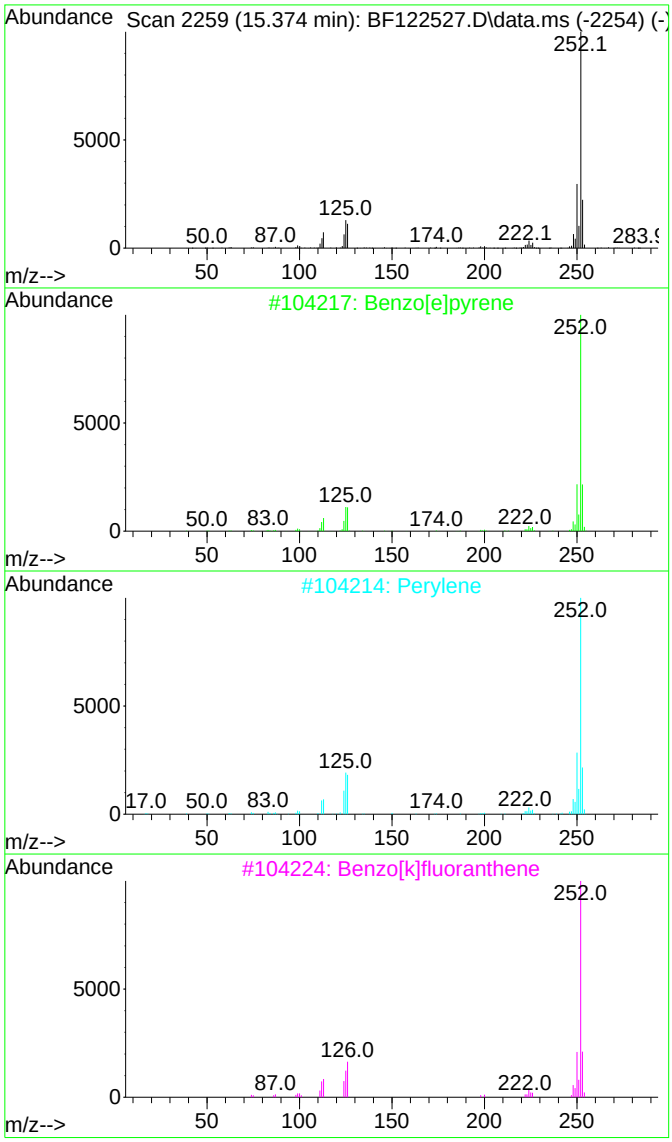
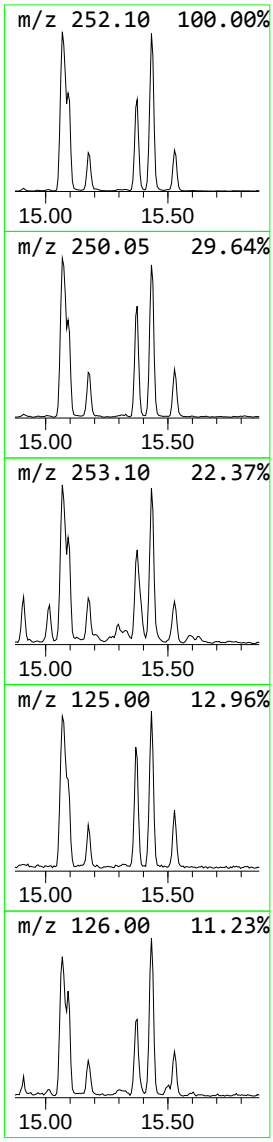
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	6.95 ng	588581	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122527.D
Acq On : 1 Dec 2020 17:59
Operator : JU/CG
Sample : L4910-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B47-113020-0-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.134	3.3	ng	188306	1	6.857	1136520	20.0
2-Pentanone, 4-...	5.069	4.0	ng	228465	1	6.857	1136520	20.0
Ethanol, 2-(2-e...	6.681	4.8	ng	274847	1	6.857	1136520	20.0
Tridecane	8.733	4.2	ng	377122	2	8.139	1778700	20.0
Tetradecane	9.298	3.2	ng	295995	3	9.898	1852630	20.0
2,4,7,9-Tetrame...	9.339	18.7	ng	1728070	3	9.898	1852630	20.0
unknown10.486	10.486	8.1	ng	752915	3	9.898	1852630	20.0
Phenanthrene, 2...	11.916	6.4	ng	673644	4	11.386	2104740	20.0
4H-Cyclopenta[d...	11.998	5.8	ng	613322	4	11.386	2104740	20.0
4b,8-Dimethyl-2...	12.168	5.3	ng	558638	4	11.386	2104740	20.0
unknown12.333	12.333	5.0	ng	522685	4	11.386	2104740	20.0
unknown12.474	12.474	5.1	ng	533033	4	11.386	2104740	20.0
Phenanthrene, 3...	12.492	4.0	ng	415716	4	11.386	2104740	20.0
Cyclopenta(def)...	12.521	3.2	ng	340145	4	11.386	2104740	20.0
4,4'-Bis(tetrah...	12.698	5.4	ng	563800	4	11.386	2104740	20.0
Retene	13.110	5.2	ng	897800	5	14.027	3441500	20.0
Pyrene, 2-methyl-	13.257	3.7	ng	643303	5	14.027	3441500	20.0
5H-Pyrrolo[3,4-...	13.474	3.5	ng	601457	5	14.027	3441500	20.0
3-Eicosene, (E)-	13.927	4.7	ng	815375	5	14.027	3441500	20.0
Benzo[e]pyrene	15.374	7.0	ng	588581	6	15.498	1694900	20.0