LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081021\
Data File : BG049775.D
Acq On : 11 Aug 2021 4:06
Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SFAM-EPA-BG080421.M
Title : SVOA CALIBRATION

Signal : TIC: BG049775.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.139	13	17	31	rVB	331505	553939	100.00%	8.061%
2	3.850	135	138	146	rBV2	20237	34087	6.15%	0.496%
3	3.950	152	155	161	rVB2	16414	22496	4.06%	0.327%
4	4.737	286	289	292	rVB3	2606	3086	0.56%	0.045%
5	5.201	365	368	372	rBV2	4312	5486	0.99%	0.080%
6	5.448	406	410	411	rBV3	1795	2030	0.37%	0.030%
7	5.653	441	445	453	rBV3	5540	12157	2.19%	0.177%
8	5.777	465	466	469	rBV2	1703	1424	0.26%	0.021%
9	5.959	495	497	499	rBV3	1658	1503	0.27%	0.022%
10	6.023	505	508	514	rBV6	4183	6428	1.16%	0.094%
11	6.770	631	635	637	rBV2	1556	1663	0.30%	0.024%
12	7.198	698	708	721	rBV	80640	159235	28.75%	2.317%
13	7.357	729	735	742	rBV	55757	100533	18.15%	1.463%
14	7.563	765	770	779	rVB	84931	145665	26.30%	2.120%
15	8.033	844	850	860	rVB	118560	214881	38.79%	3.127%
16	8.150	867	870	871	rBV	1955	2124	0.38%	0.031%
17	8.749	966	972	979	rBV	67025	117473	21.21%	1.710%
18	8.861	989	991	997	rVB3	2652	3856	0.70%	0.056%
19	9.202	1041	1049	1056	rBV2	89577	162941	29.41%	2.371%
20	9.548	1106	1108	1112	rBV	1214	1368	0.25%	0.020%
21	9.930	1164	1173	1183	rBV2	78919	153476	27.71%	2.233%
22	10.094	1200	1201	1205	rVB3	1952	1725	0.31%	0.025%
23	10.188	1212	1217	1220	rBV2	2349	3881	0.70%	0.056%
24	10.265	1229	1230	1237	rVB2	2216	2772	0.50%	0.040%
25	10.482	1260	1267	1275	rBV	105385	199039	35.93%	2.897%
26	10.617	1285	1290	1296	rBV3	19397	34914	6.30%	0.508%
27	10.811	1320	1323	1325	rBV3	9742	11612	2.10%	0.169%
28	10.858	1325	1331	1337	rVV	168637	285244	51.49%	4.151%
29	10.993	1346	1354	1362	rBV2	49981	102289	18.47%	1.489%
30	11.869	1498	1503	1507	rBV2	6782	10180	1.84%	0.148%
31	11.945	1515	1516	1521	rVB2	1854	1540	0.28%	0.022%
32	12.262	1566	1570	1574	rVB3	12659	16589	2.99%	0.241%
33	12.333	1580	1582	1587	rBV3	1809	2761	0.50%	0.040%
34	12.391	1590	1592	1597	rVB	1879	2158	0.39%	0.031%
35	12.515	1608	1613	1619	rVB	21506	36108	6.52%	0.525%
36	12.732	1646	1650	1656	rVB2	13295	19878	3.59%	0.289%

LSC Area Percent Report

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Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SFAM-EPA-BG080421.M
Title : SVOA CALIBRATION

37	12.803	1659	1662	1664	rBV2	3168	3324	0.60%	0.048%
38	12.838	1664	1668	1670	rBV5	5619	7638	1.38%	0.111%
39	13.073	1706	1708	1711	rVB2	3762	3401	0.61%	0.049%
40	13.208	1728	1731	1738	rVB5	4094	7473	1.35%	0.109%
41	13.496	1775	1780	1788	rBV4	15895	31430	5.67%	0.457%
42	13.572	1789	1793	1798	rVB4	9931	16695	3.01%	0.243%
43	13.789	1827	1830	1832	rBV4	1903	2912	0.53%	0.042%
44	13.866	1835	1843	1850	rVV6	10527	29167	5.27%	0.424%
45	13.960	1854	1859	1861	rVV2	1998	2616	0.47%	0.038%
46	14.007	1861	1867	1872	rVV2	16773	27185	4.91%	0.396%
47	14.083	1872	1880	1889	rVV	210276	324400	58.56%	4.721%
48	14.148	1889	1891	1896	rVB2	5398	6720	1.21%	0.098%
49	14.189	1896	1898	1899	rBV	2304	1415	0.26%	0.021%
50	14.248	1904	1908	1910	rBV3	5443	8471	1.53%	0.123%
51	14.324	1918	1921	1922	rBV2	2432	2929	0.53%	0.043%
52	14.383	1924	1931	1942	rVB	212459	354733	64.04%	5.162%
53	14.518	1949	1954	1957	rBV2	2328	3434	0.62%	0.050%
54	14.571	1958	1963	1969	rVB3	17415	22975	4.15%	0.334%
55	14.688	1972	1983	1989	rBV	261923	429196	77.48%	6.246%
56	14.900	2013	2019	2027	rBV2	67060	125946	22.74%	1.833%
57	15.041	2039	2043	2046	rBV5	6516	8955	1.62%	0.130%
58	15.082	2047	2050	2056	rVB2	17841	26226	4.73%	0.382%
59	15.158	2060	2063	2067	rBV3	8113	12964	2.34%	0.189%
60	15.305	2084	2088	2092	rVB5	7906	11674	2.11%	0.170%
61	15.358	2092	2097	2103	rVB2	9316	15478	2.79%	0.225%
62	15.399	2103	2104	2106	rBV	2318	1736	0.31%	0.025%
63	15.423	2106	2108	2111	rVV2	2826	2148	0.39%	0.031%
64	15.470	2112	2116	2120	rVV5	8815	14916	2.69%	0.217%
65	15.517	2121	2124	2129	rVB3	21992	29615	5.35%	0.431%
66	15.587	2134	2136	2137	rBV	2448	1751	0.32%	0.025%
67	15.681	2146	2152	2157	rVB	285122	411064	74.21%	5.982%
68	15.804	2167	2173	2181	rVV	90753	137780	24.87%	2.005%
69	15.857	2181	2182	2186	rVB4	4529	3467	0.63%	0.050%
70	16.080	2217	2220	2222	rBV2	2409	2561	0.46%	0.037%
71	16.174	2234	2236	2243	rVB5	9915	18100	3.27%	0.263%
72	16.380	2268	2271	2282	rVB5	21236	44693	8.07%	0.650%
73	16.492	2288	2290	2294	rBV2	3373	4534	0.82%	0.066%
74	16.703	2323	2326	2327	rBV3	4238	4640	0.84%	0.068%
75	16.968	2365	2371	2375	rBV6	15490	30580	5.52%	0.445%
76	17.097	2388	2393	2400	rBV2	21658	35592	6.43%	0.518%

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Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Title : SVOA CALIBRATION

77	17.179	2401	2407	2411	rVB4	29956	46489	8.39%	0.677%
78	17.437	2446	2451	2456	rBV	295114	476556	86.03%	6.935%
79	17.484	2456	2459	2463	rVV	91715	127025	22.93%	1.849%
80	17.537	2463	2468	2478	rVB	273948	421345	76.06%	6.132%
81	18.090	2560	2562	2566	rBV2	10852	14255	2.57%	0.207%
82	18.319	2597	2601	2604	rBV	35149	47945	8.66%	0.698%
83	18.366	2605	2609	2615	rVB2	54943	89206	16.10%	1.298%
84	18.507	2629	2633	2637	rBV3	29564	47965	8.66%	0.698%
85	18.612	2648	2651	2656	rVB5	20385	30343	5.48%	0.442%
86	18.812	2681	2685	2689	rBV2	36055	50853	9.18%	0.740%
87	19.229	2752	2756	2759	rBV3	52488	80223	14.48%	1.167%
88	19.493	2796	2801	2806	rVB	153915	226215	40.84%	3.292%
89	19.828	2852	2858	2861	rBV	331563	546063	98.58%	7.947%

Sum of corrected areas: 6871558

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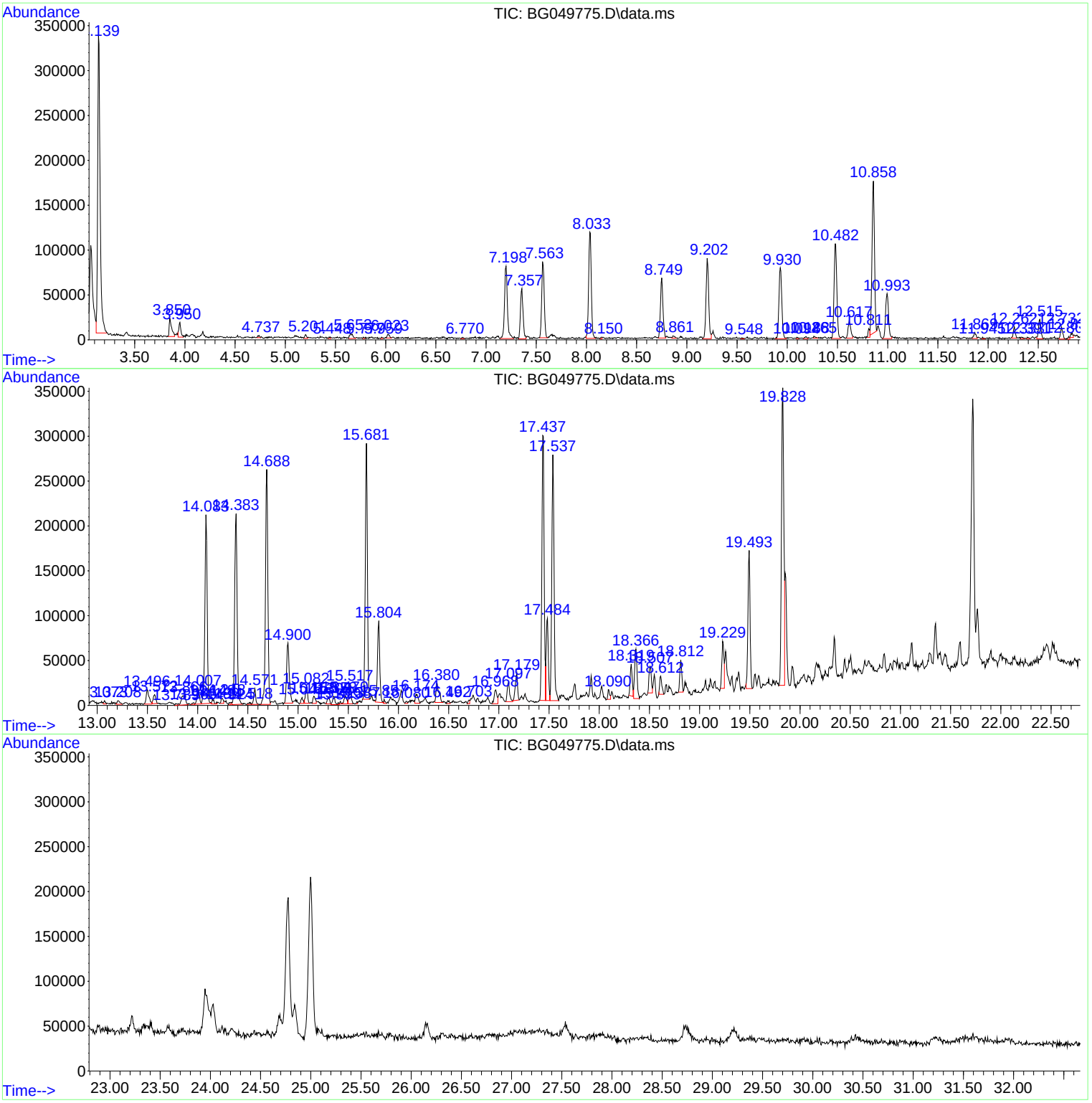
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C00C6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081021\
Data File : BG049775.D
Acq On : 11 Aug 2021 4:06
Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

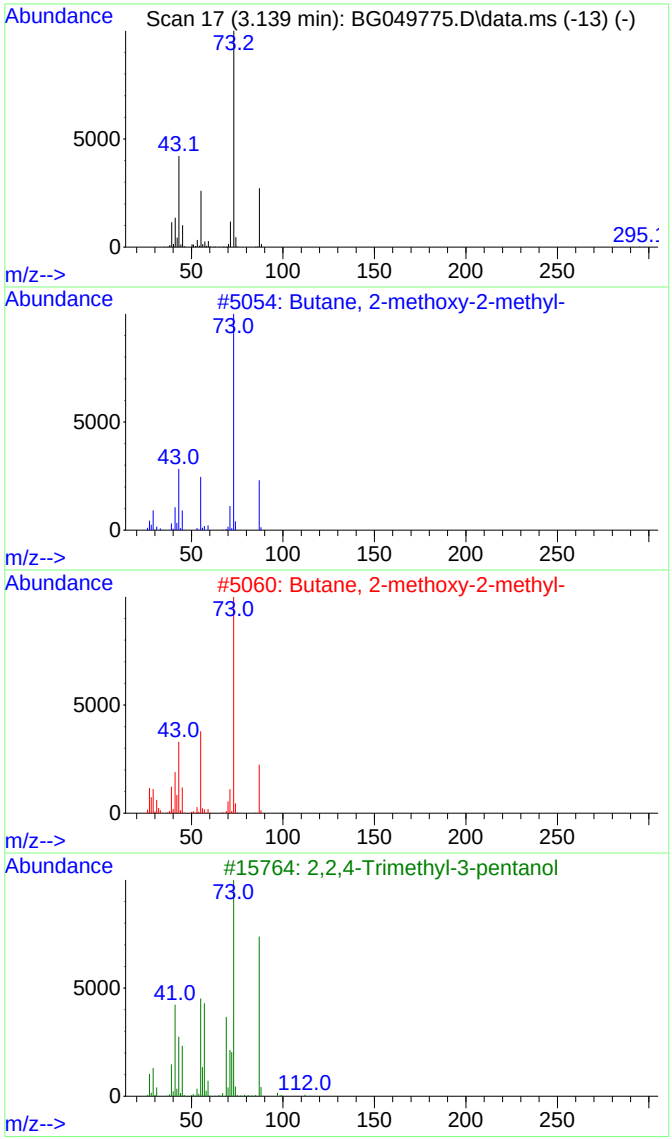
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

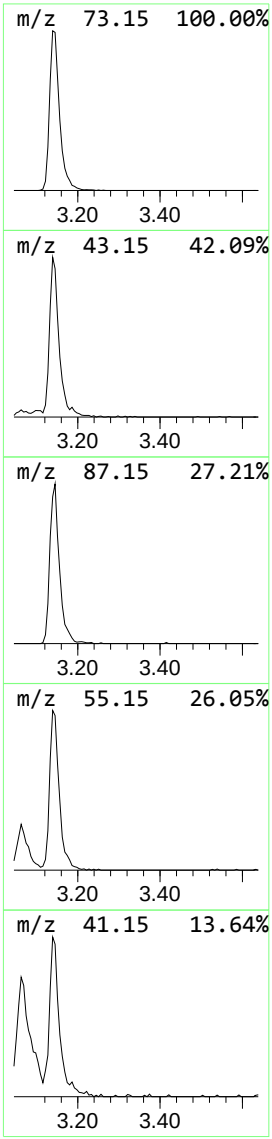
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.139	51.56 ng/ul	553939	1,4-Dichlorobenzene-d4	8.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





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Data File : BG049775.D
Acq On : 11 Aug 2021 4:06
Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

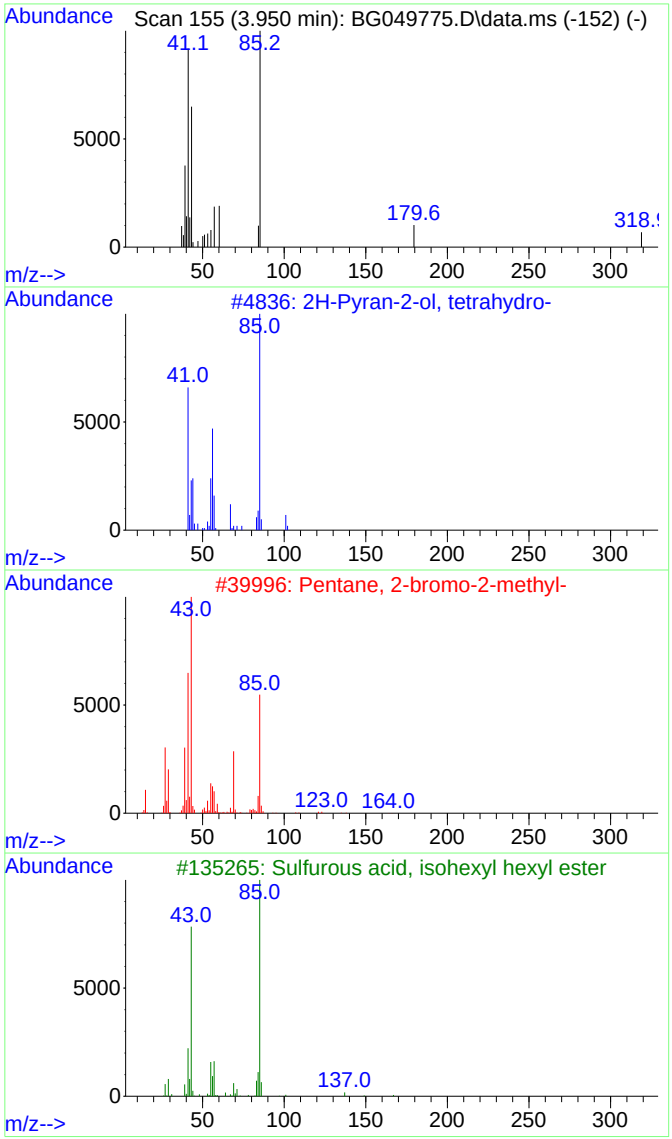
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

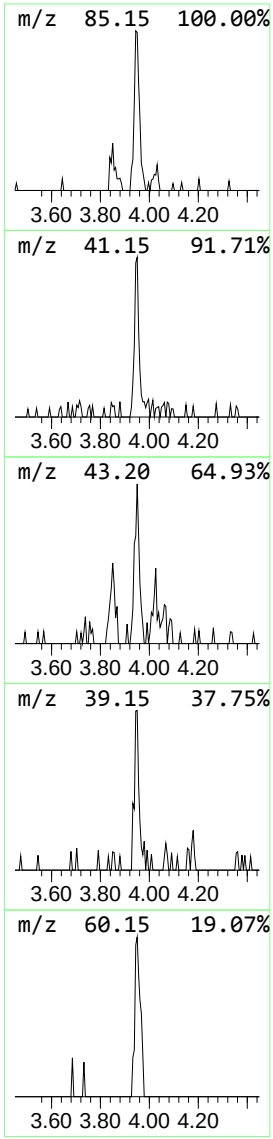
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2H-Pyran-2-ol, tetrahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.950	2.09 ng/ul	22496	1,4-Dichlorobenzene-d4	8.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-ol, tetrahydro-	102	C5H10O2	000694-54-2	64
2	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	38
3	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	32
4	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	25
5	Butane, 2-bromo-2,3-dimethyl-	164	C6H13Br	000594-52-5	23





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Sample : M3182-08
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Instrument : BNA_G
ClientSampleId : C00C6

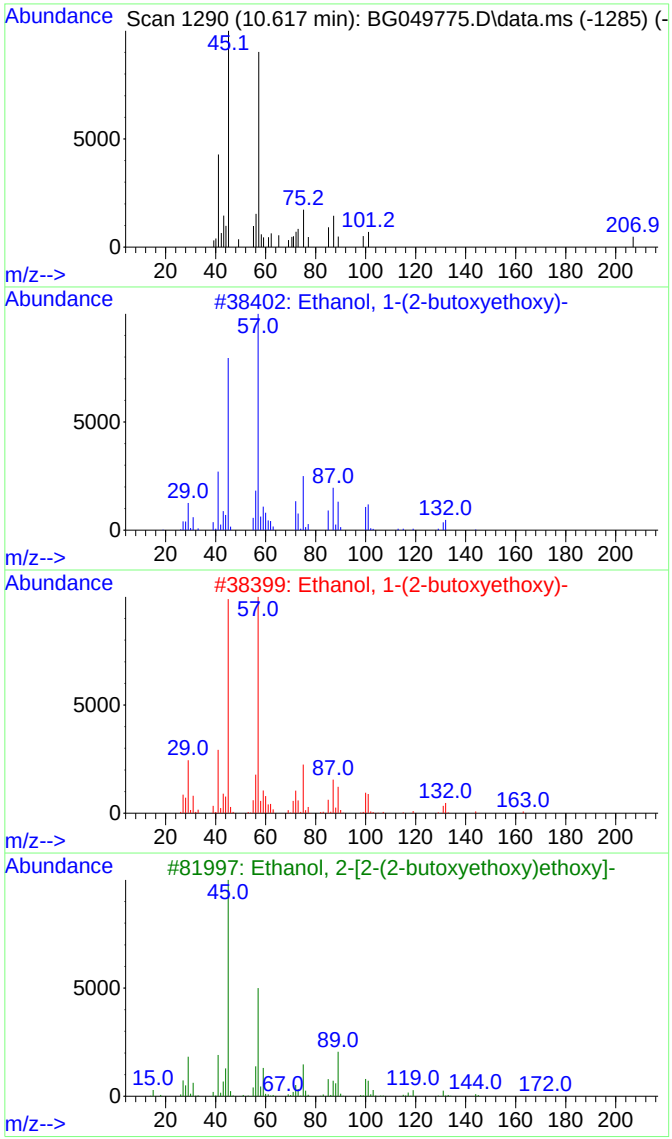
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

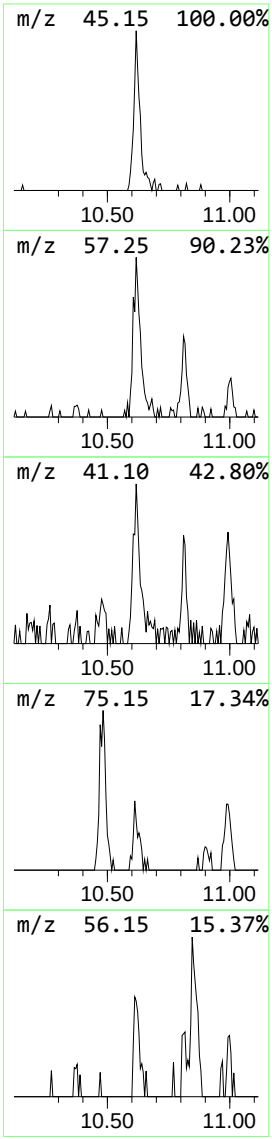
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.617	2.45 ng/ul	34914	Naphthalene-d8	10.858

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	72
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	56
3	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	50
4	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	50
5	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	50





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ClientSampleId : C00C6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

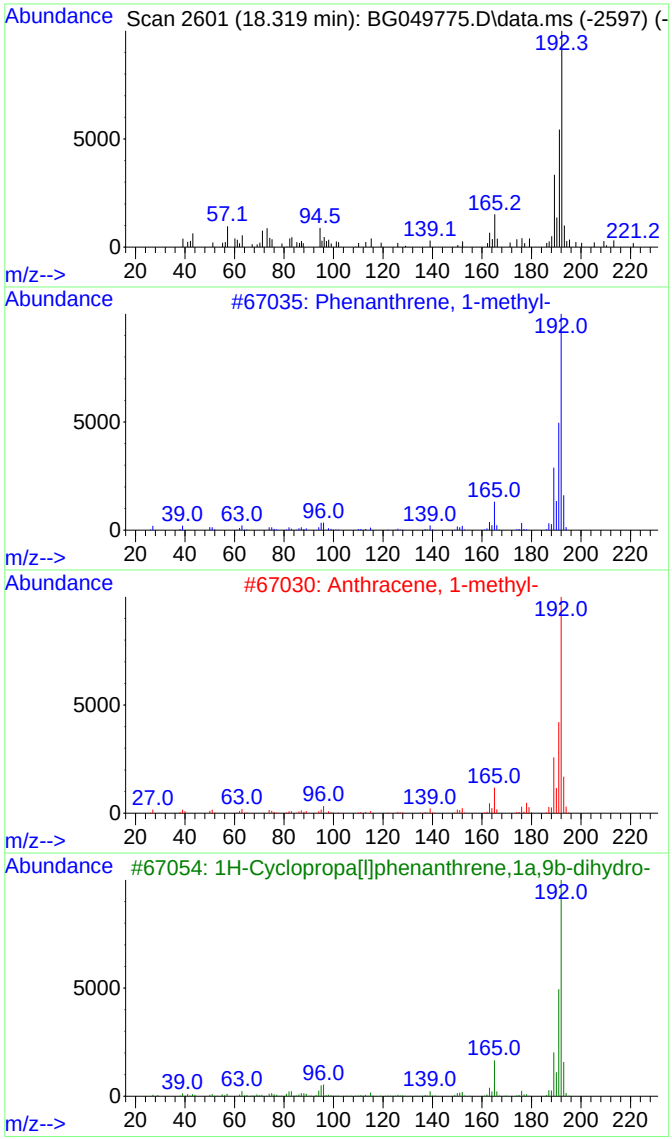
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

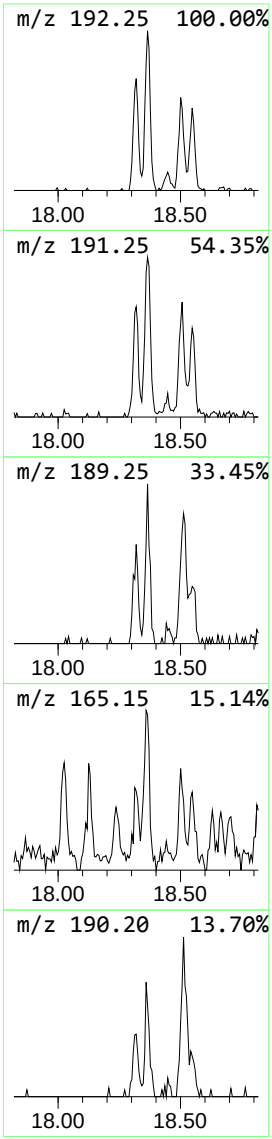
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.319	2.01 ng/ul	47945	Phenanthrene-d10	17.437

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





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Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C00C6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

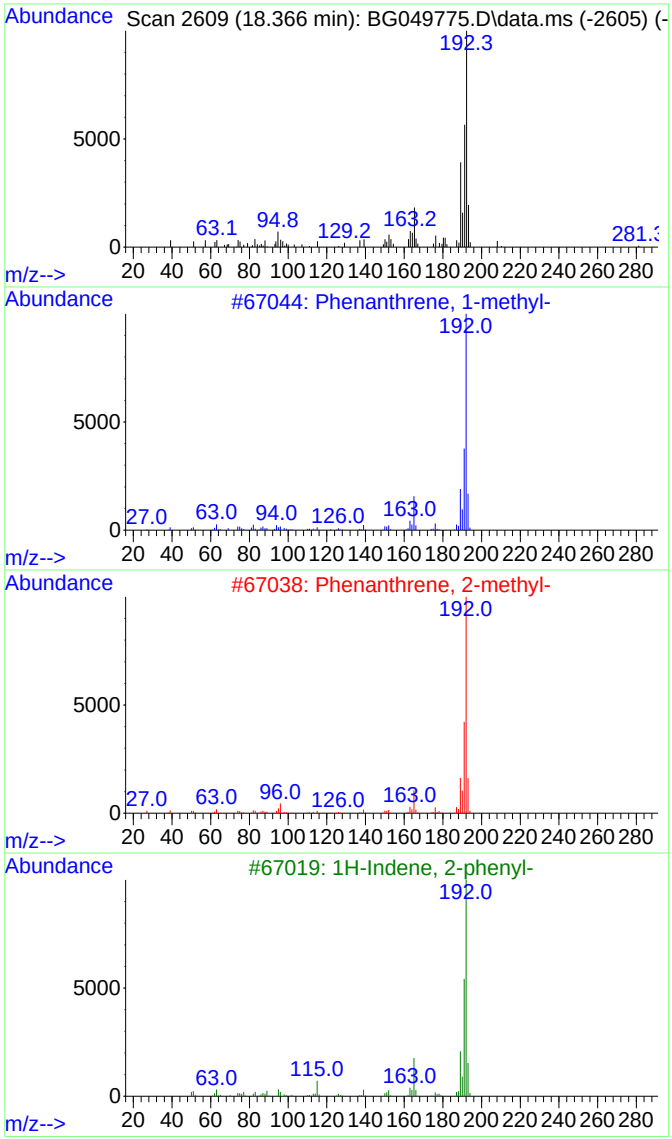
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

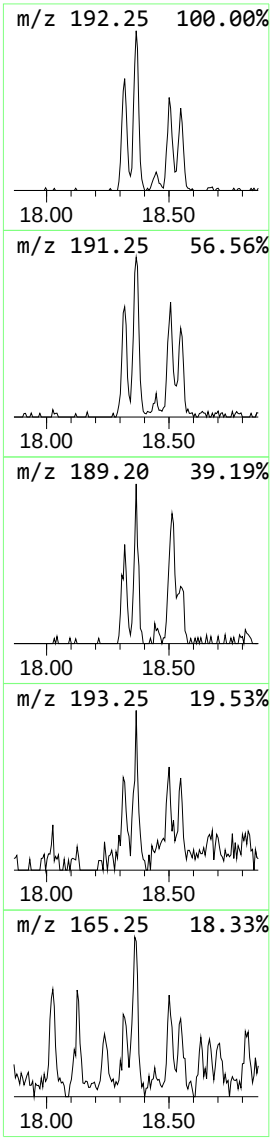
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.366	3.74 ng/ul	89206	Phenanthrene-d10	17.437

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

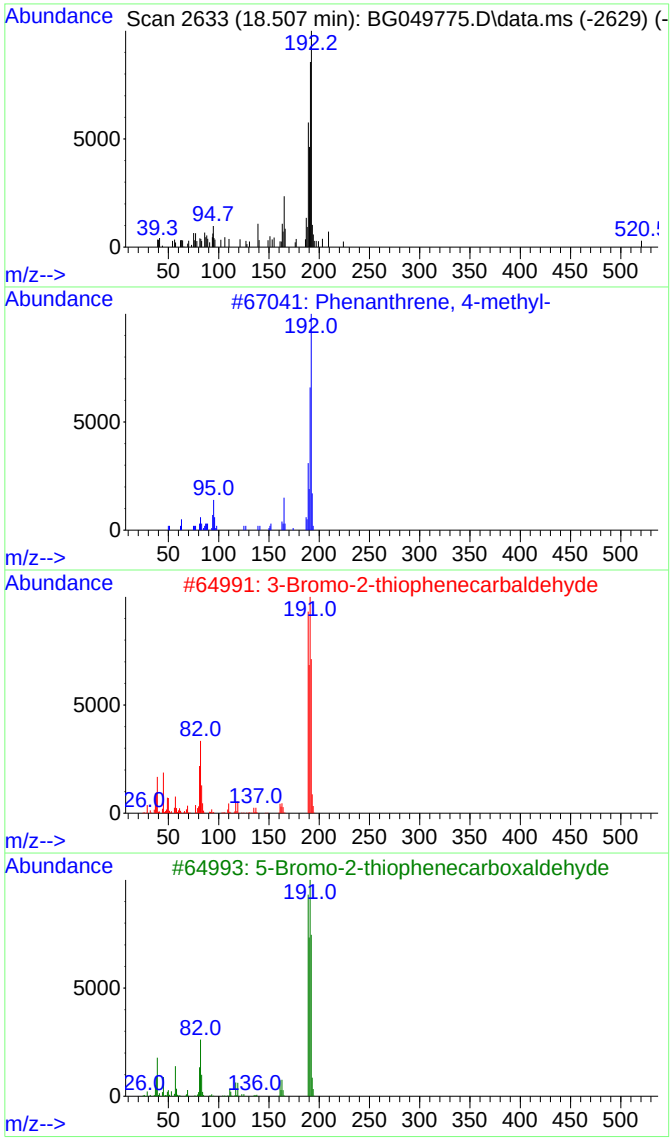
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

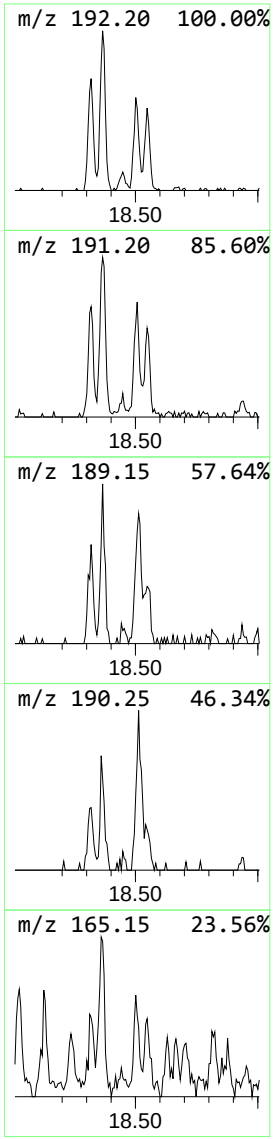
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.507	2.01 ng/ul	47965	Phenanthrene-d10	17.437

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
2	3-Bromo-2-thiophenecarbaldehyde	190	C5H3BrOS	000930-96-1	58
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	52
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	52





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Acq On : 11 Aug 2021 4:06
Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

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Quant Title : SVOA CALIBRATION

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

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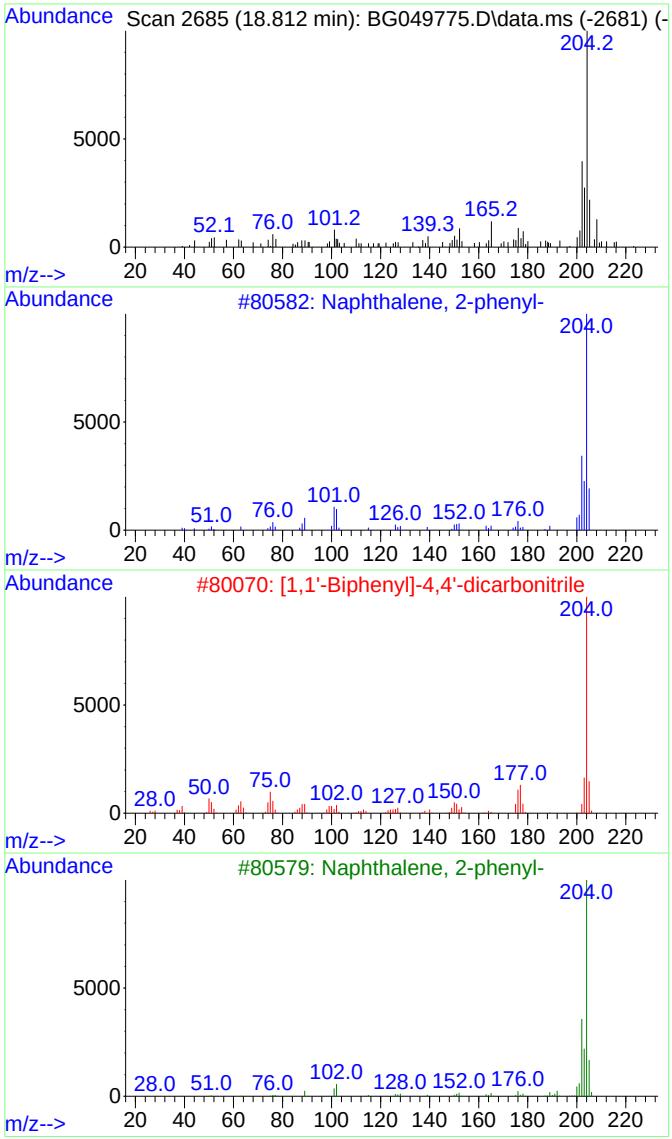
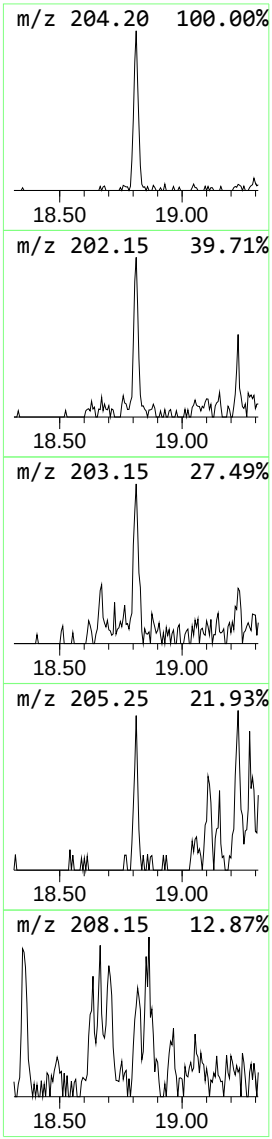
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.812	2.13 ng/ul	50853	Phenanthrene-d10	17.437

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081021\
Data File : BG049775.D
Acq On : 11 Aug 2021 4:06
Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION

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

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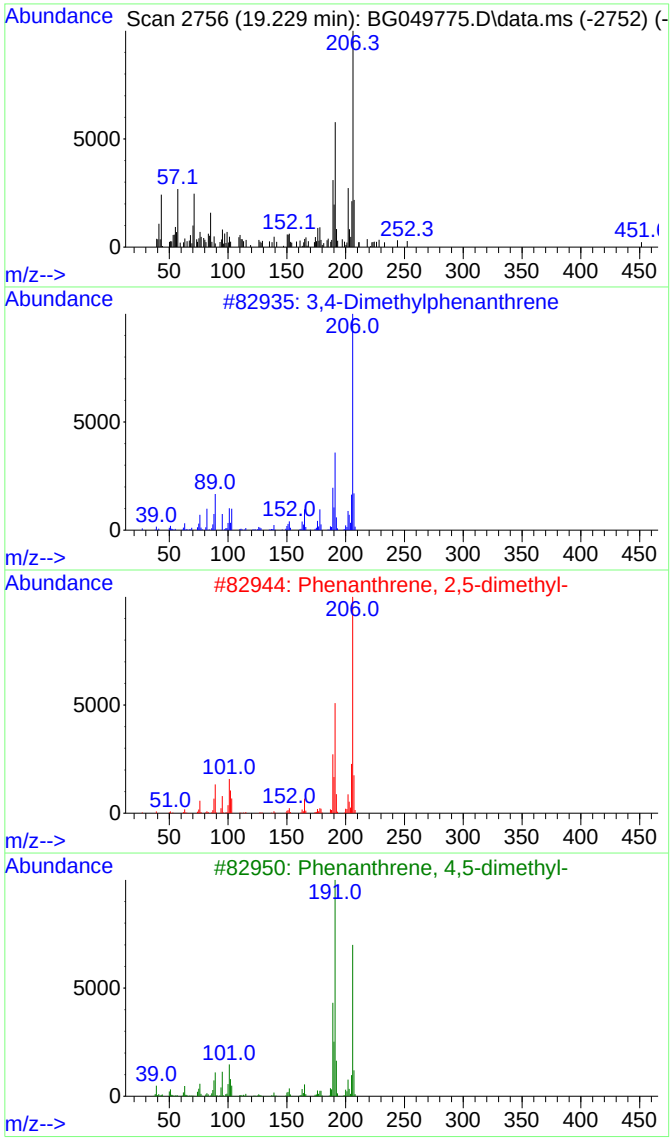
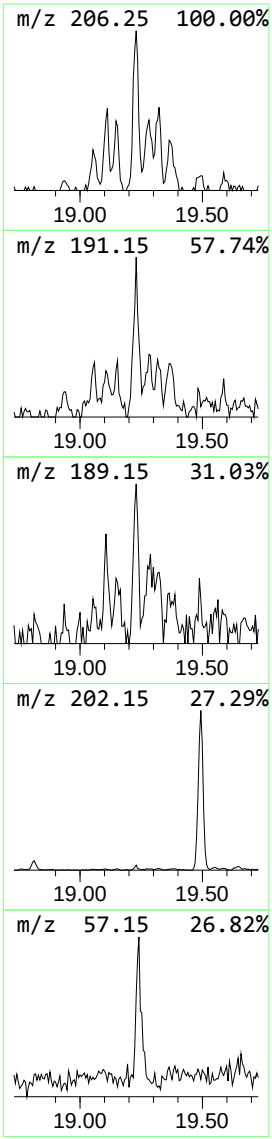
Peak Number 8 3,4-Dimethylphenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.229	3.37 ng/ul	80223	Phenanthrene-d10	17.437

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081021\
Data File : BG049775.D
Acq On : 11 Aug 2021 4:06
Operator : CG/JU
Sample : M3182-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C00C6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA 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...	3.139	51.6	ng/ul	553939	1	8.033	214881	20.0
2H-Pyran-2-ol, ...	3.950	2.1	ng/ul	22496	1	8.033	214881	20.0
Ethanol, 1-(2-b...	10.617	2.5	ng/ul	34914	2	10.858	285244	20.0
Phenanthrene, 1...	18.319	2.0	ng/ul	47945	4	17.437	476556	20.0
Phenanthrene, 2...	18.366	3.7	ng/ul	89206	4	17.437	476556	20.0
Phenanthrene, 4...	18.507	2.0	ng/ul	47965	4	17.437	476556	20.0
Naphthalene, 2-...	18.812	2.1	ng/ul	50853	4	17.437	476556	20.0
3,4-Dimethylphe...	19.229	3.4	ng/ul	80223	4	17.437	476556	20.0