LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

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_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.057	26	29	39	rVB	32629	51934	1.52%	0.113%
2	3.463	96	98	100	rBV2	7442	7262	0.21%	0.016%
3	3.487	100	102	112	rVV	145074	340130	9.94%	0.742%
4	3.563	112	115	124	rVB2	54747	101720	2.97%	0.222%
5	3.681	130	135	142	rVB	60715	101020	2.95%	0.220%
6	3.769	146	150	161	rVB	156691	225496	6.59%	0.492%
7	3.875	165	168	174	rVV3	19122	27838	0.81%	0.061%
8	3.934	176	178	182	rBV4	5390	7545	0.22%	0.016%
9	4.157	213	216	220	rVB4	7355	9759	0.29%	0.021%
10	4.328	241	245	250	rVB5	8266	13595	0.40%	0.030%
11	4.681	300	305	314	rBV	52285	85707	2.50%	0.187%
12	5.287	403	408	410	rBV4	5212	8745	0.26%	0.019%
13	5.569	454	456	461	rVB6	4479	6408	0.19%	0.014%
14	5.951	517	521	527	rBV2	14936	21927	0.64%	0.048%
15	6.287	574	578	583	rVB8	2343	4182	0.12%	0.009%
16	6.422	596	601	608	rVB8	4038	7917	0.23%	0.017%
17	6.687	641	646	647	rBV5	3135	4246	0.12%	0.009%
18	6.728	647	653	675	rVV	469440	927467	27.10%	2.022%
19	6.887	675	680	693	rBV	355677	650927	19.02%	1.419%
20	7.075	706	712	725	rBV	539211	936547	27.36%	2.042%
21	7.375	761	763	767	rBV4	3743	5237	0.15%	0.011%
22	7.540	784	791	803	rBV	465204	781704	22.84%	1.704%
23	8.075	878	882	886	rBV7	4594	7093	0.21%	0.015%
24	8.257	907	913	930	rBV	539063	1008640	29.47%	2.199%
25	8.698	980	988	1006	rBV	465521	883593	25.82%	1.926%
26	8.828	1008	1010	1013	rVB4	3699	3469	0.10%	0.008%
27	9.110	1054	1058	1066	rVB2	8138	13971	0.41%	0.030%
28	9.416	1102	1110	1124	rBV	377718	725628	21.20%	1.582%
29	9.951	1195	1201	1225	rBV	506643	1096407	32.04%	2.390%
30	10.316	1255	1263	1269	rBV	665707	1149315	33.58%	2.506%
31	10.469	1281	1289	1308	rBV	281321	757449	22.13%	1.651%
32	10.986	1375	1377	1382	rBV5	2380	4623	0.14%	0.010%
33	11.598	1476	1481	1484	rBV5	3552	5400	0.16%	0.012%
34	11.928	1532	1537	1545	rVV7	9888	21977	0.64%	0.048%

LSC Area Percent Report

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Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

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_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

35	11.998	1545	1549	1553	rVV3	11271	19950	0.58%	0.043%
36	12.216	1578	1586	1596	rBV2	15632	32592	0.95%	0.071%
37	12.533	1636	1640	1647	rVV8	7675	14710	0.43%	0.032%
38	12.604	1647	1652	1656	rVB8	5049	7984	0.23%	0.017%
39	12.669	1656	1663	1667	rBV10	3368	7470	0.22%	0.016%
40	12.798	1681	1685	1690	rVB5	6681	10226	0.30%	0.022%
41	12.898	1699	1702	1705	rBV4	2955	3967	0.12%	0.009%
42	12.957	1705	1712	1716	rVV5	14982	24559	0.72%	0.054%
43	13.022	1719	1723	1730	rBV9	7941	18715	0.55%	0.041%
44	13.092	1730	1735	1743	rVB	21221	37039	1.08%	0.081%
45	13.163	1743	1747	1749	rBV5	5000	7484	0.22%	0.016%
46	13.369	1775	1782	1788	rBV7	8037	23995	0.70%	0.052%
47	13.510	1800	1806	1812	rBV4	24235	52374	1.53%	0.114%
48	13.563	1812	1815	1817	rVV3	7347	9808	0.29%	0.021%
49	13.610	1817	1823	1828	rVV	1139427	1594378	46.59%	3.476%
50	13.657	1828	1831	1839	rVB	86409	135556	3.96%	0.296%
51	13.833	1857	1861	1862	rBV4	9438	11696	0.34%	0.026%
52	13.880	1862	1869	1882	rVV	1322117	2034717	59.45%	4.436%
53	13.974	1882	1885	1889	rVV4	25560	41985	1.23%	0.092%
54	14.016	1889	1892	1896	rVB6	10345	13994	0.41%	0.031%
55	14.098	1902	1906	1910	rBV6	8961	12783	0.37%	0.028%
56	14.145	1910	1914	1916	rBV3	22986	34008	0.99%	0.074%
57	14.186	1916	1921	1928	rVV	988431	1466553	42.85%	3.197%
58	14.251	1928	1932	1942	rVB	123445	212261	6.20%	0.463%
59	14.439	1958	1964	1973	rBV2	114275	323478	9.45%	0.705%
60	14.598	1987	1991	1995	rBV	35989	51310	1.50%	0.112%
61	14.821	2023	2029	2030	rBV5	20231	34543	1.01%	0.075%
62	14.974	2050	2055	2060	rBV4	35130	70414	2.06%	0.154%
63	15.068	2067	2071	2079	rVB10	18231	42315	1.24%	0.092%
64	15.186	2085	2091	2097	rBV	1716379	2379168	69.52%	5.187%
65	15.245	2097	2101	2106	rVV	99180	162689	4.75%	0.355%
66	15.327	2110	2115	2126	rBV	354168	582409	17.02%	1.270%
67	15.539	2148	2151	2158	rVB	27772	50593	1.48%	0.110%
68	15.692	2173	2177	2185	rVB3	22919	52372	1.53%	0.114%
69	15.927	2213	2217	2223	rBV9	26669	46206	1.35%	0.101%
70	16.680	2341	2345	2349	rBV6	39293	71759	2.10%	0.156%
71	16.757	2355	2358	2366	rVB	59406	99699	2.91%	0.217%

LSC Area Percent Report

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Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

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_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

72	16.933	2383	2388	2392	rBV	1047724	1559477	45.57%	3.400%
73	16.974	2392	2395	2400	rVB	1081393	1447135	42.28%	3.155%
74	17.033	2400	2405	2410	rBV	1647263	2323945	67.90%	5.067%
75	17.351	2456	2459	2468	rVB	69148	132382	3.87%	0.289%
76	17.809	2534	2537	2540	rBV	106729	139100	4.06%	0.303%
77	17.851	2540	2544	2553	rVB2	245897	501436	14.65%	1.093%
78	18.004	2565	2570	2574	rBV2	189941	325763	9.52%	0.710%
79	18.321	2620	2624	2628	rBV	87637	130095	3.80%	0.284%
80	18.368	2628	2632	2637	rVV2	74190	115754	3.38%	0.252%
81	18.998	2734	2739	2747	rVB	1890047	2470614	72.19%	5.387%
82	19.333	2791	2796	2799	rBV2	2335371	3422462	100.00%	7.462%
83	19.362	2799	2801	2810	rVB	1703148	1909469	55.79%	4.163%
84	19.962	2900	2903	2907	rVB	126350	152344	4.45%	0.332%
85	20.809	3045	3047	3050	rBV	106357	98820	2.89%	0.215%
86	20.850	3050	3054	3061	rBV2	810429	1215234	35.51%	2.650%
87	21.121	3094	3100	3104	rBV2	1565794	2943135	85.99%	6.417%
88	21.162	3104	3107	3117	rVB	802333	1080977	31.58%	2.357%
89	21.274	3124	3126	3132	rBV2	133106	167762	4.90%	0.366%
90	22.639	3353	3358	3362	rBV	737965	1443581	42.18%	3.147%
91	23.091	3431	3435	3438	rBV	367506	576867	16.86%	1.258%
92	23.144	3439	3444	3448	rBV	1364820	2337399	68.30%	5.096%
93	23.274	3461	3466	3471	rBV2	901573	1571628	45.92%	3.427%

Sum of corrected areas: 45866016

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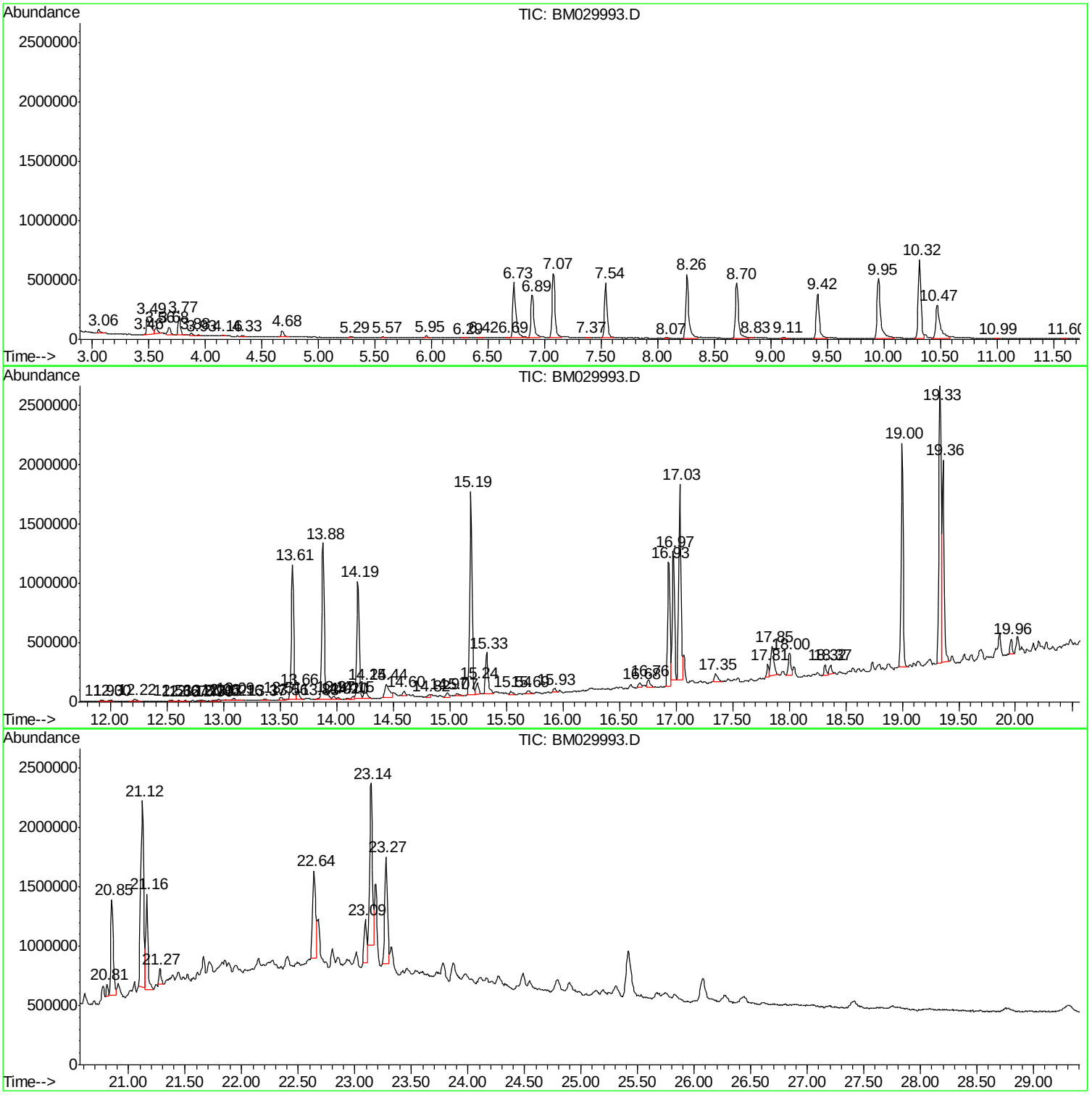
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

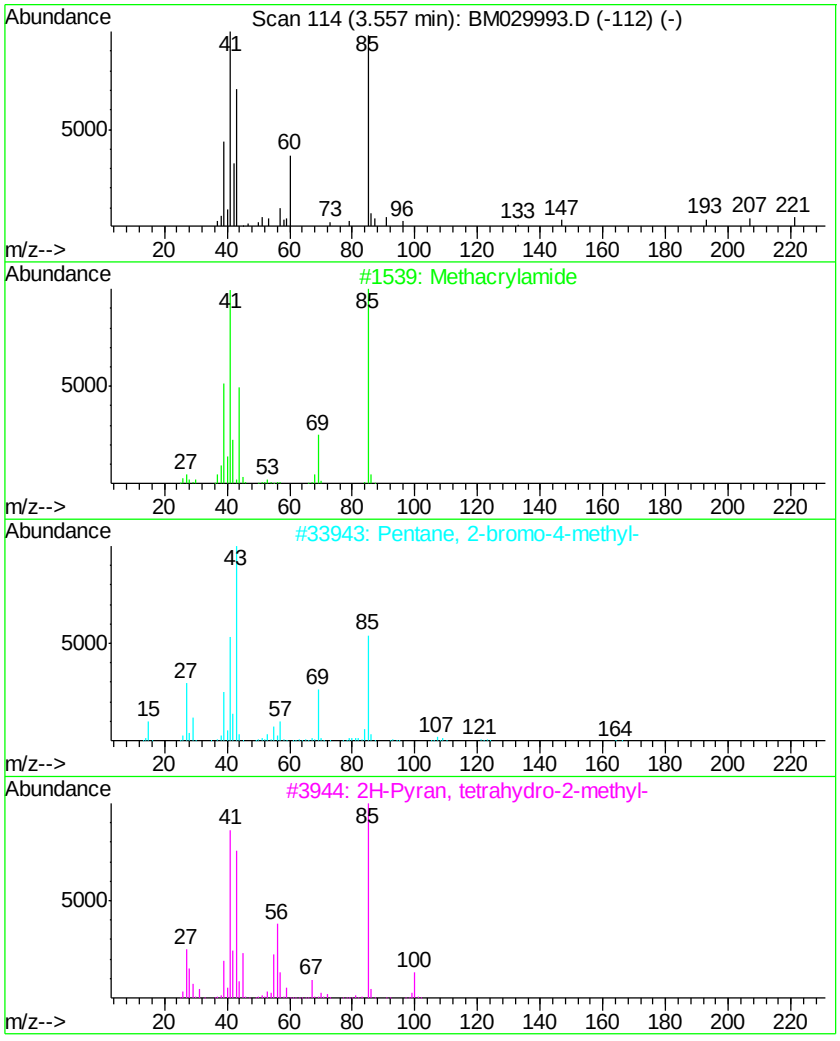
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

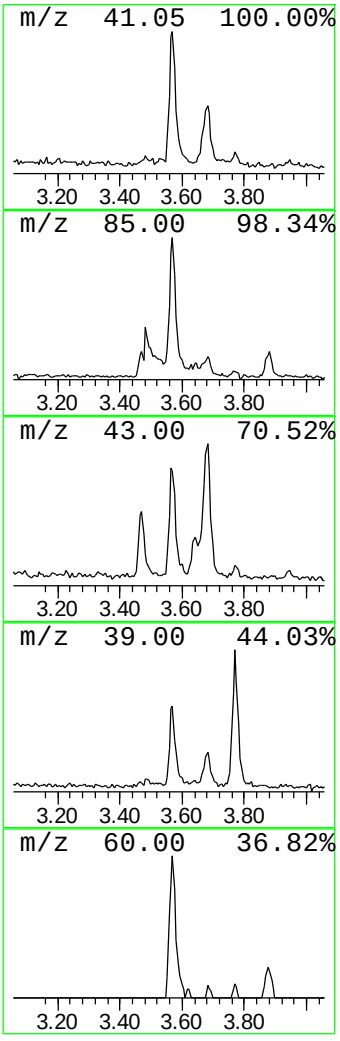
****

Peak Number 1 Methacrylamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	2.60 ng/ul	101720	1,4-Dichlorobenzene-d4	7.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	64
2	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	33
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	33
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	33
5	2H-Pyran, 2-(4-chlorobutoxy)tetr...	192	C9H17ClO2	041302-05-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

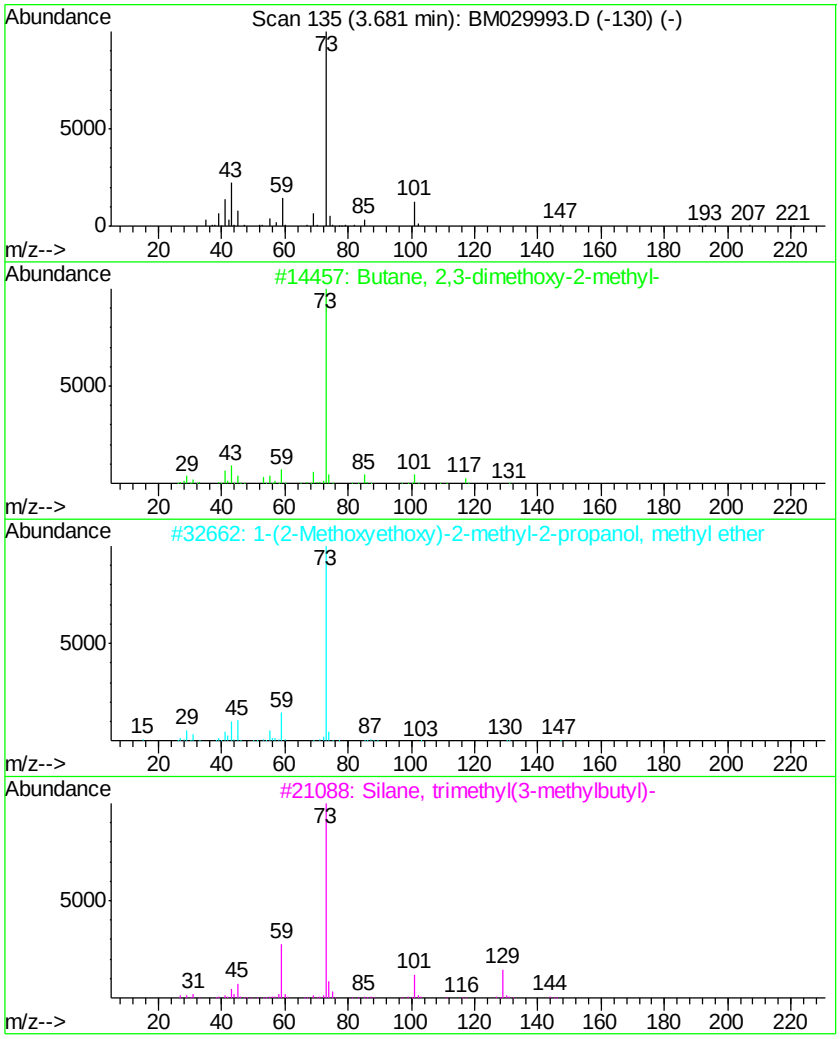
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

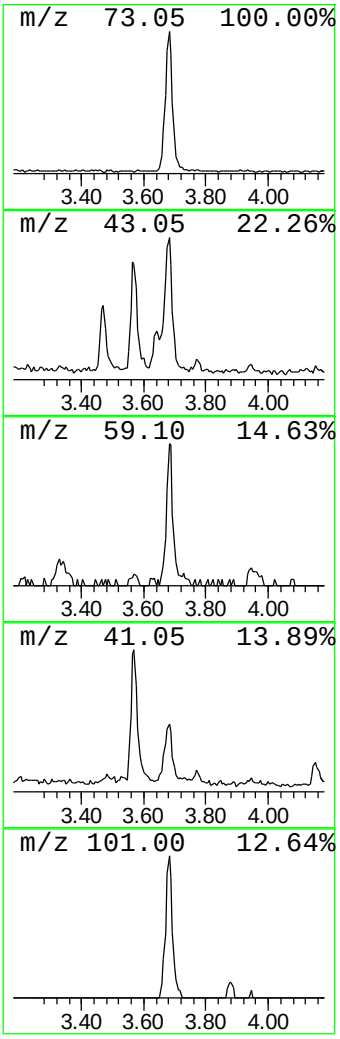
****

Peak Number 2 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.68	2.58 ng/ul	101020	1,4-Dichlorobenzene-d4	7.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethoxy-2-methyl-	132	C7H16O2	074421-00-4	38
2	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	38
3	Silane, trimethyl(3-methylbutyl)-	144	C8H20Si	018291-15-1	25
4	Valproic Acid	144	C8H16O2	000099-66-1	9
5	Valproic Acid	144	C8H16O2	000099-66-1	9





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Sample : M2232-02
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Instrument : BNA_M
ClientSampleId : BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

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

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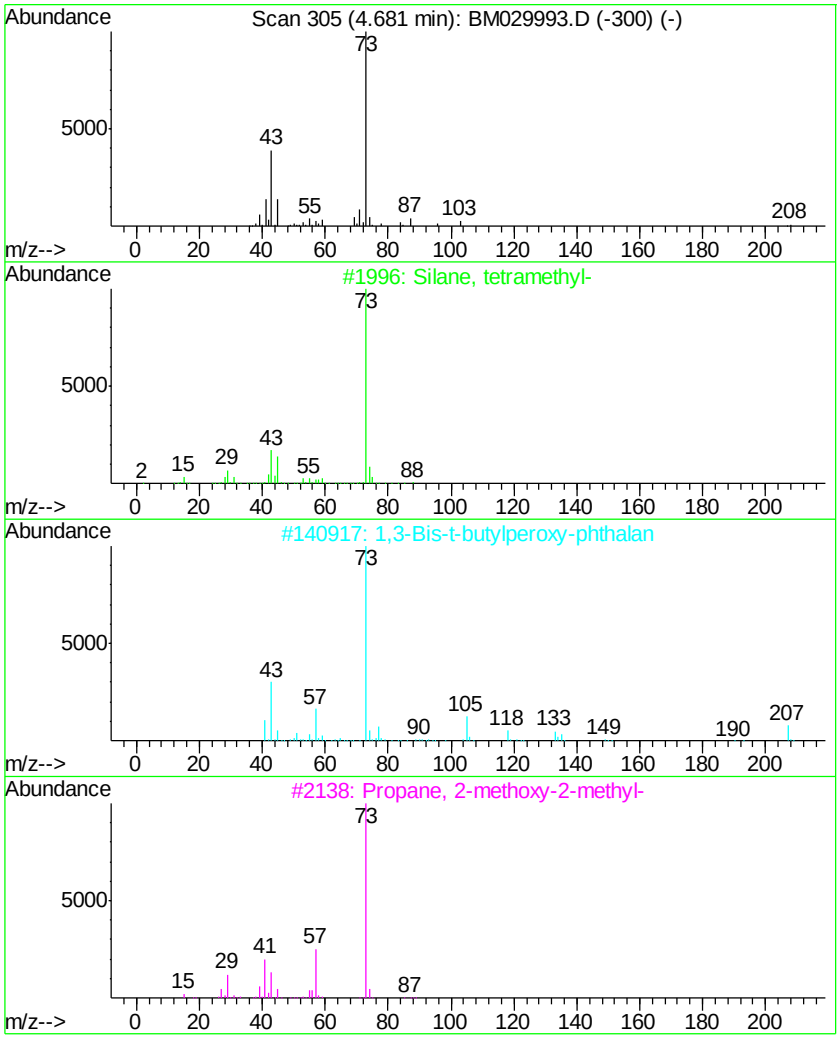
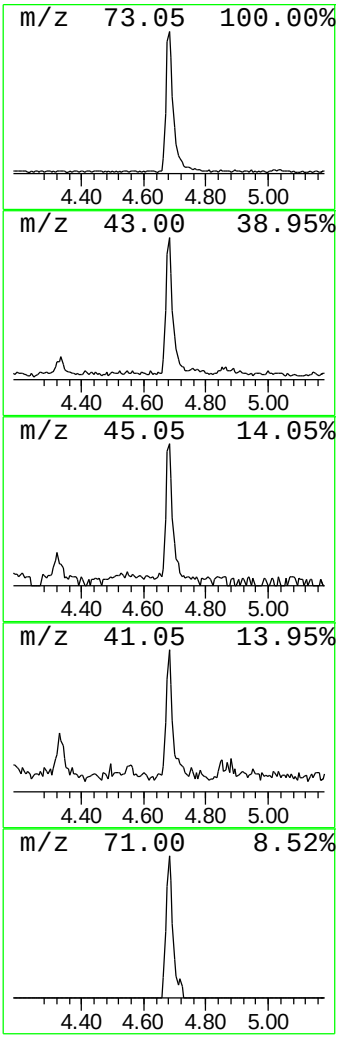
Peak Number 4 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	2.19 ng/ul	85707	1,4-Dichlorobenzene-d4	7.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	33
2	1,3-Bis-t-butylperoxy-phthalan	296	C16H24O5	097526-35-7	33
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	17
4	o-2-Pentylhydroxylamine	103	C5H13NO	1000322-43-4	10
5	4-[1,3]Dioxolan-2-yl-3,4-dimethy...	196	C11H16O3	054710-16-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
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Sample : M2232-02
Misc :
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Instrument : BNA_M
ClientSampleId : BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

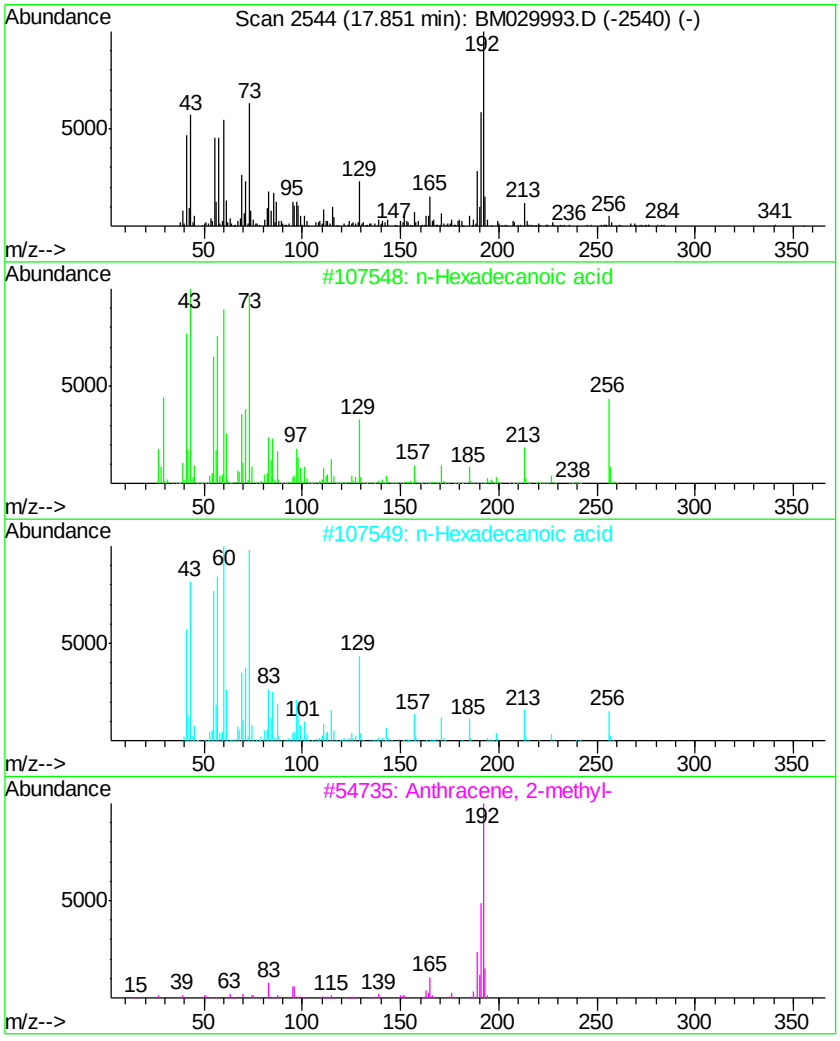
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

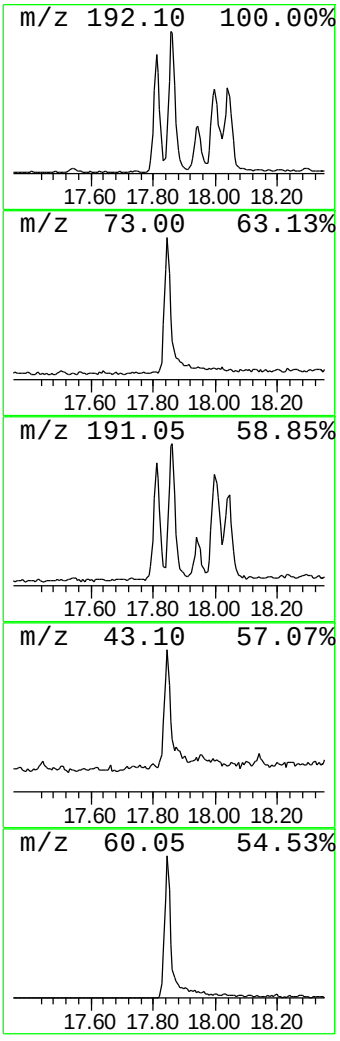
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	6.43 ng/ul	501436	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

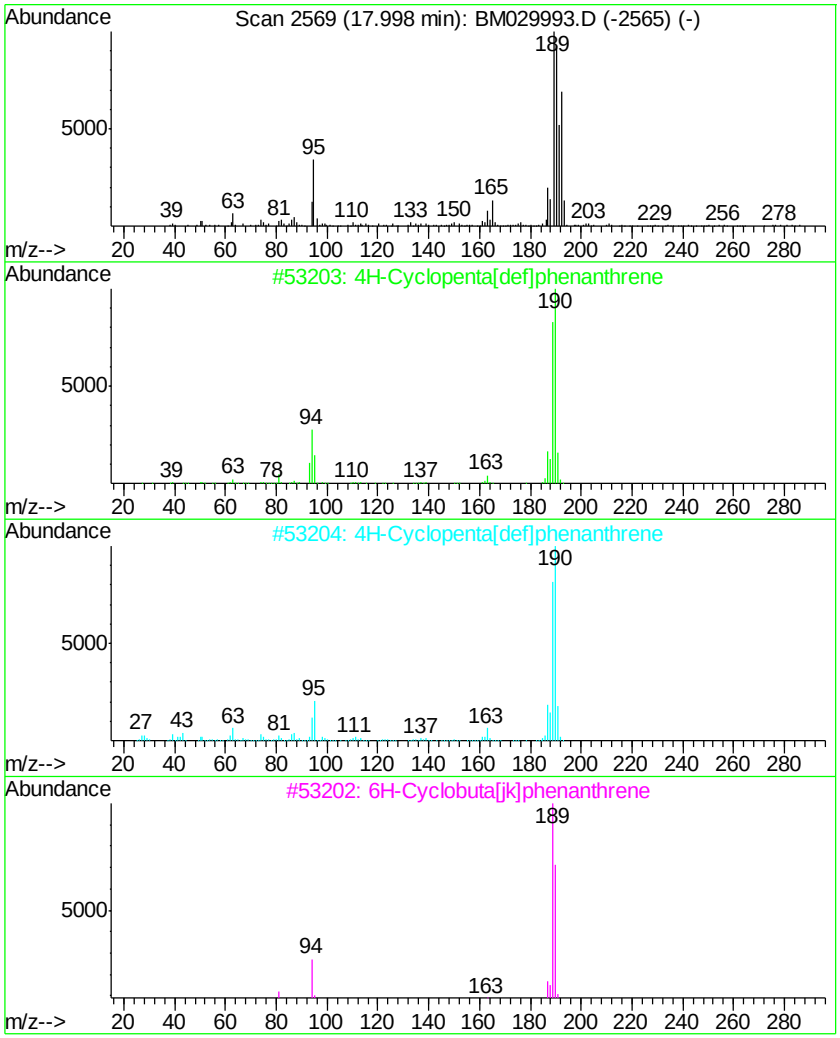
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

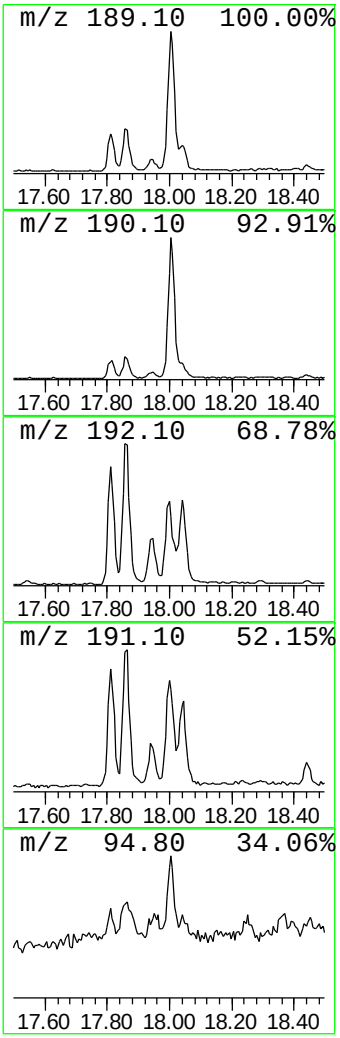
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	4.18 ng/ul	325763	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

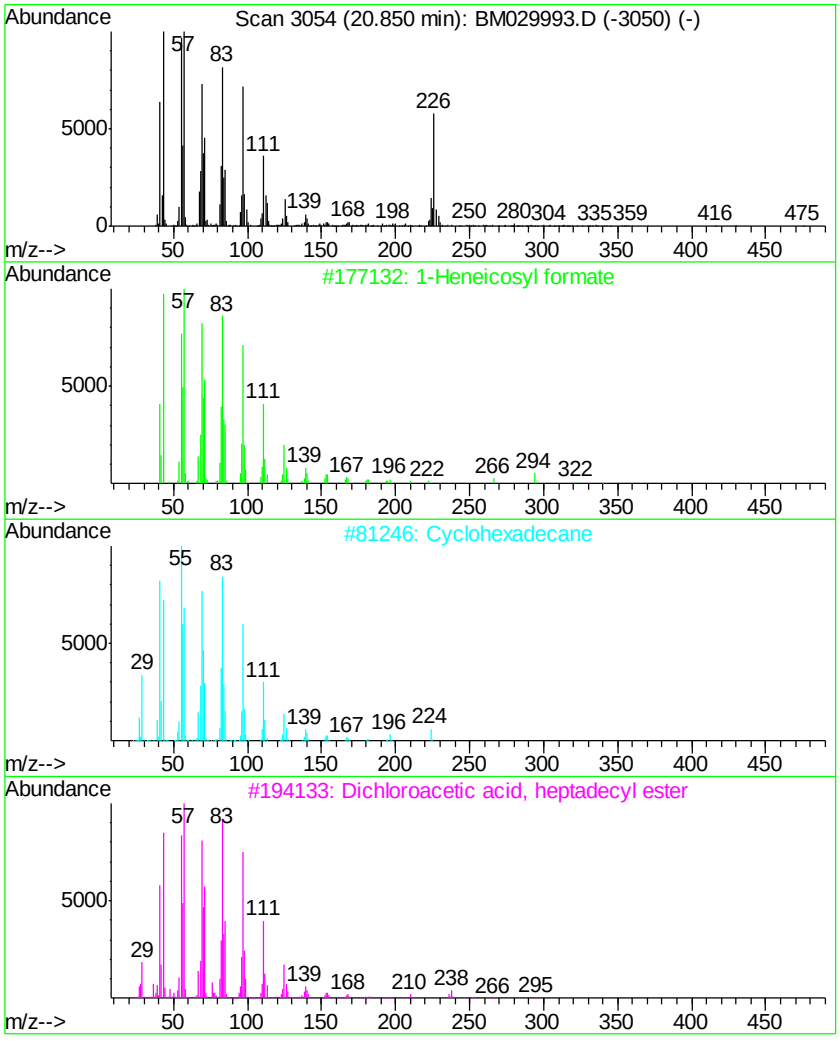
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

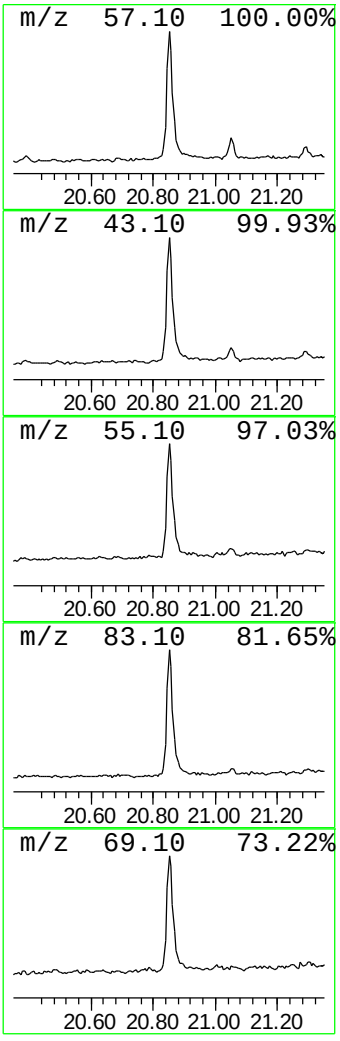
****

Peak Number 7 1-Heneicosyl formate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	8.26 ng/ul	1215230	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	87





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

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

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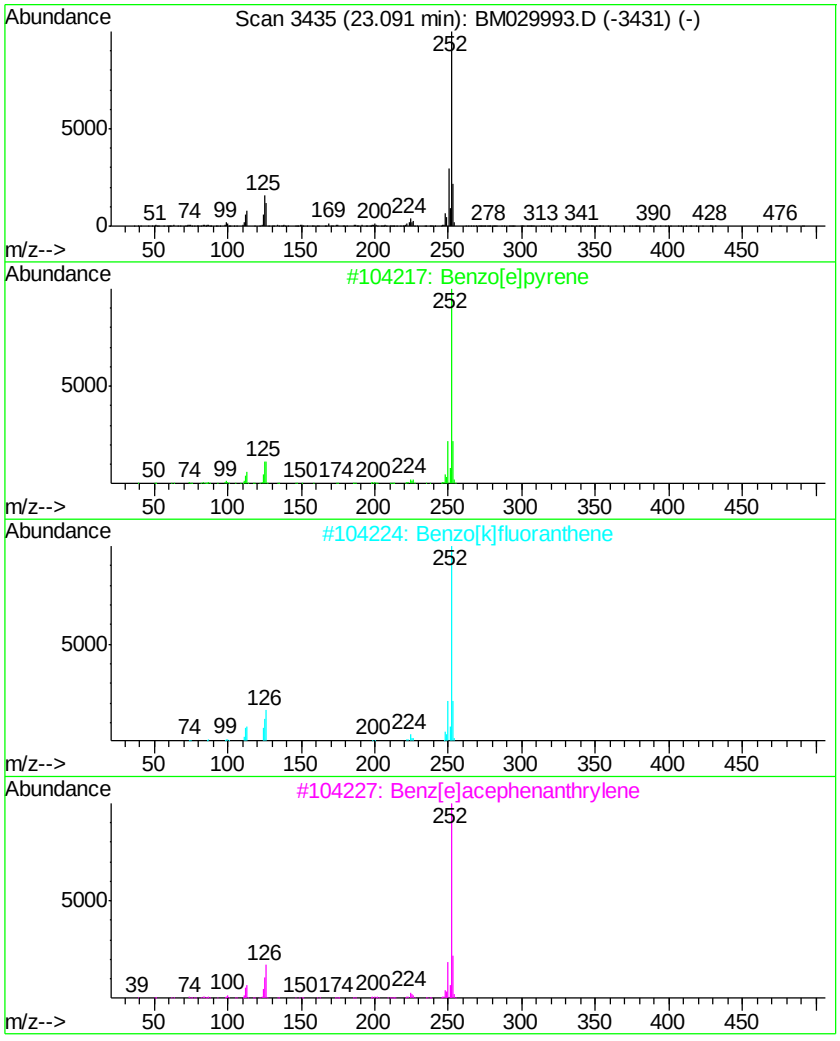
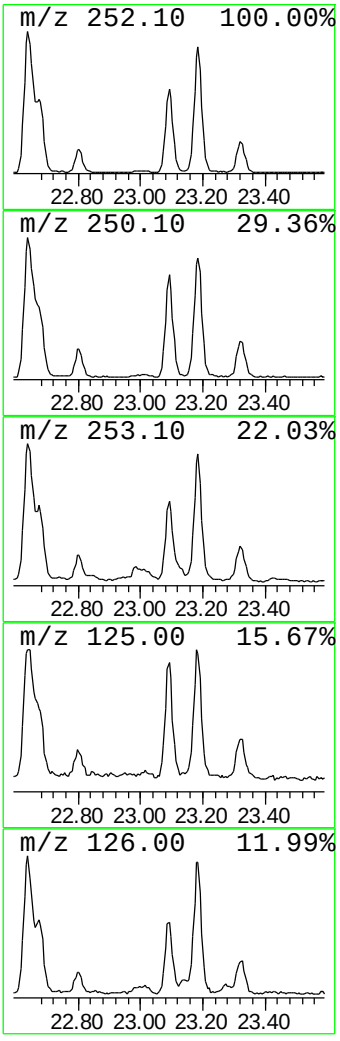
Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	7.34 ng/ul	576867	Perylene-d12	23.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Perylene	252	C20H12	000198-55-0	95
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051021\
Data File : BM029993.D
Acq On : 12 May 2021 22:12
Operator : CG/JU
Sample : M2232-02
Misc :
ALS Vial : 92 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG597

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA 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
Methacrylamide	3.56	2.6	ng/ul	101720	1	7.54	781704	20.0
unknown-01	3.68	2.6	ng/ul	101020	1	7.54	781704	20.0
unknown-02	4.68	2.2	ng/ul	85707	1	7.54	781704	20.0
n-Hexadecanoic acid	17.85	6.4	ng/ul	501436	4	16.94	1559480	20.0
4H-Cyclopenta[def...	18.00	4.2	ng/ul	325763	4	16.94	1559480	20.0
1-Heneicosyl formate	20.85	8.3	ng/ul	1215230	5	21.12	2943140	20.0
Benzo[e]pyrene	23.09	7.3	ng/ul	576867	6	23.27	1571630	20.0