LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111920\
Data File : BM027842.D
Acq On : 19 Nov 2020 13:47
Operator : JU/CG
Sample : L4710-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

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\SOM-EPA-BM111220MA.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	3.105	14	20	25	rBV	82490	151057	16.98%	1.002%
2	3.193	31	35	57	rVB	572839	843169	94.79%	5.593%
3	3.493	82	86	95	rBV	6477	9632	1.08%	0.064%
4	4.081	181	186	192	rVV	12919	18721	2.10%	0.124%
5	4.163	195	200	206	rVV4	3150	5644	0.63%	0.037%
6	4.222	206	210	218	rVB	5519	9130	1.03%	0.061%
7	4.322	223	227	232	rVB3	2796	4032	0.45%	0.027%
8	5.322	391	397	404	rVV4	4955	8165	0.92%	0.054%
9	5.416	409	413	420	rBV4	3035	5573	0.63%	0.037%
10	7.269	724	728	733	rBV3	4024	5470	0.61%	0.036%
11	7.463	754	761	771	rVB	152048	251977	28.33%	1.672%
12	7.640	785	791	801	rVB	107760	172456	19.39%	1.144%
13	7.851	821	827	833	rBV	152091	241164	27.11%	1.600%
14	7.910	833	837	846	rVB	12605	21242	2.39%	0.141%
15	8.334	902	909	915	rBV	222647	348487	39.18%	2.312%
16	9.034	1021	1028	1038	rBV	156126	252095	28.34%	1.672%
17	9.169	1046	1051	1056	rVB	3050	5000	0.56%	0.033%
18	9.510	1101	1109	1117	rBV	148116	243474	27.37%	1.615%
19	10.045	1196	1200	1206	rBV3	3255	4724	0.53%	0.031%
20	10.239	1222	1233	1239	rBV	123763	205608	23.11%	1.364%
21	10.775	1318	1324	1331	rVB	183897	307420	34.56%	2.039%
22	11.169	1384	1391	1398	rBV	302730	495592	55.72%	3.288%
23	11.292	1405	1412	1421	rVB	135463	224623	25.25%	1.490%
24	13.792	1827	1837	1839	rBV3	2884	5264	0.59%	0.035%
25	13.827	1839	1843	1848	rVV2	6358	9176	1.03%	0.061%
26	14.339	1924	1930	1935	rBV	306167	432311	48.60%	2.868%
27	14.386	1935	1938	1944	rVB	145150	185369	20.84%	1.230%
28	14.569	1965	1969	1975	rBV2	4318	6359	0.71%	0.042%
29	14.645	1975	1982	1992	rVV	338550	501402	56.37%	3.326%
30	14.951	2027	2034	2041	rVB	450081	640032	71.95%	4.246%
31	15.104	2054	2060	2068	rVB	157386	213363	23.99%	1.415%
32	15.263	2082	2087	2092	rVB3	2952	4135	0.46%	0.027%
33	15.710	2159	2163	2168	rBV2	3927	5854	0.66%	0.039%
34	15.886	2186	2193	2194	rBV5	2498	4027	0.45%	0.027%

LSC Area Percent Report

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

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\SOM-EPA-BM111220MA.M
Title : SVOA CALIBRATION

35	15.927	2194	2200	2206	rVV	416092	585657	65.84%	3.885%
36	16.027	2212	2217	2225	rVB	124201	172064	19.34%	1.141%
37	16.163	2237	2240	2246	rVB3	4298	5534	0.62%	0.037%
38	16.892	2359	2364	2369	rVB	10909	13577	1.53%	0.090%
39	17.033	2381	2388	2394	rVB5	3517	8135	0.91%	0.054%
40	17.386	2444	2448	2453	rBV4	5237	8858	1.00%	0.059%
41	17.521	2468	2471	2479	rBV2	22070	27834	3.13%	0.185%
42	17.592	2479	2483	2487	rVB2	7552	10114	1.14%	0.067%
43	17.662	2489	2495	2500	rBV	490385	720707	81.02%	4.781%
44	17.704	2500	2502	2507	rVV	90857	119626	13.45%	0.794%
45	17.762	2507	2512	2521	rVB	442761	630016	70.83%	4.179%
46	17.851	2521	2527	2532	rVB3	5493	8582	0.96%	0.057%
47	17.921	2535	2539	2543	rVB	2779	4136	0.46%	0.027%
48	18.057	2557	2562	2565	rVB	10459	13569	1.53%	0.090%
49	18.227	2587	2591	2598	rVB7	11378	15684	1.76%	0.104%
50	18.292	2598	2602	2607	rVB4	5361	8154	0.92%	0.054%
51	18.398	2614	2620	2624	rBV6	11752	20787	2.34%	0.138%
52	18.451	2627	2629	2634	rBV4	5597	6603	0.74%	0.044%
53	18.515	2634	2640	2646	rBV2	117047	178735	20.09%	1.186%
54	18.574	2646	2650	2658	rVB2	27345	46169	5.19%	0.306%
55	18.721	2669	2675	2678	rBV3	23266	40432	4.55%	0.268%
56	18.751	2678	2680	2685	rVB	12557	15929	1.79%	0.106%
57	18.804	2685	2689	2694	rBV7	10488	18072	2.03%	0.120%
58	18.915	2703	2708	2718	rVB10	11447	27308	3.07%	0.181%
59	19.015	2718	2725	2728	rBV2	26616	43692	4.91%	0.290%
60	19.051	2728	2731	2736	rVB	20478	28153	3.17%	0.187%
61	19.280	2763	2770	2777	rBV	80111	113549	12.77%	0.753%
62	19.362	2779	2784	2787	rVV3	15746	21042	2.37%	0.140%
63	19.421	2790	2794	2799	rBV3	22050	32767	3.68%	0.217%
64	19.509	2806	2809	2814	rVB	15755	20494	2.30%	0.136%
65	19.562	2814	2818	2823	rVB2	16514	25208	2.83%	0.167%
66	19.615	2824	2827	2829	rBV4	7367	8394	0.94%	0.056%
67	19.686	2833	2839	2844	rVB	441672	602567	67.74%	3.997%
68	19.762	2848	2852	2859	rVB3	34518	64648	7.27%	0.429%
69	19.821	2859	2862	2866	rBV5	32108	36537	4.11%	0.242%
70	19.862	2866	2869	2872	rBV4	10122	13583	1.53%	0.090%
71	19.904	2872	2876	2878	rBV2	13231	18573	2.09%	0.123%

LSC Area Percent Report

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Sample : L4710-09
Misc :
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Instrument : BNA_M
ClientSampleId : C0BE9

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
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Title : SVOA CALIBRATION

72	20.015	2886	2895	2897	rBV2	515906	828461	93.14%	5.496%
73	20.039	2897	2899	2906	rVB	366687	467153	52.52%	3.099%
74	20.103	2906	2910	2913	rBV2	23921	32528	3.66%	0.216%
75	20.209	2925	2928	2933	rVB	28114	37516	4.22%	0.249%
76	20.351	2947	2952	2959	rBV4	30670	73936	8.31%	0.490%
77	20.480	2969	2974	2976	rBV5	29998	48319	5.43%	0.321%
78	20.515	2977	2980	2985	rVB	65135	99679	11.21%	0.661%
79	20.615	2993	2997	3001	rBV	39829	58069	6.53%	0.385%
80	20.674	3001	3007	3011	rVV2	36639	72046	8.10%	0.478%
81	20.715	3011	3014	3017	rBV2	18619	25045	2.82%	0.166%
82	20.815	3028	3031	3034	rBV3	24833	30133	3.39%	0.200%
83	20.862	3036	3039	3041	rVV2	22653	28348	3.19%	0.188%
84	20.892	3041	3044	3047	rVB2	19009	22397	2.52%	0.149%
85	21.062	3069	3073	3075	rBV4	30299	38544	4.33%	0.256%
86	21.250	3101	3105	3111	rBV	54760	74921	8.42%	0.497%
87	21.421	3131	3134	3135	rBV	27495	30342	3.41%	0.201%
88	21.445	3135	3138	3143	rVV2	195119	240136	27.00%	1.593%
89	21.497	3144	3147	3150	rVV2	46781	70379	7.91%	0.467%
90	21.539	3152	3154	3163	rVB2	73569	103942	11.69%	0.690%
91	21.650	3169	3173	3177	rVB2	120127	141025	15.85%	0.936%
92	21.768	3186	3193	3197	rBV2	462028	889509	100.00%	5.901%
93	21.809	3197	3200	3205	rVB	231258	296736	33.36%	1.968%
94	21.933	3219	3221	3225	rVB2	39835	40359	4.54%	0.268%
95	22.350	3289	3292	3298	rVB3	47703	83960	9.44%	0.557%
96	23.450	3474	3479	3485	rBV	231102	501097	56.33%	3.324%
97	23.980	3565	3569	3573	rBV	94076	160461	18.04%	1.064%
98	24.033	3574	3578	3583	rVV	192594	367352	41.30%	2.437%
99	24.086	3584	3587	3595	rVB	144051	255213	28.69%	1.693%
100	24.191	3599	3605	3611	rBV2	190927	379924	42.71%	2.520%

Sum of corrected areas: 15074766

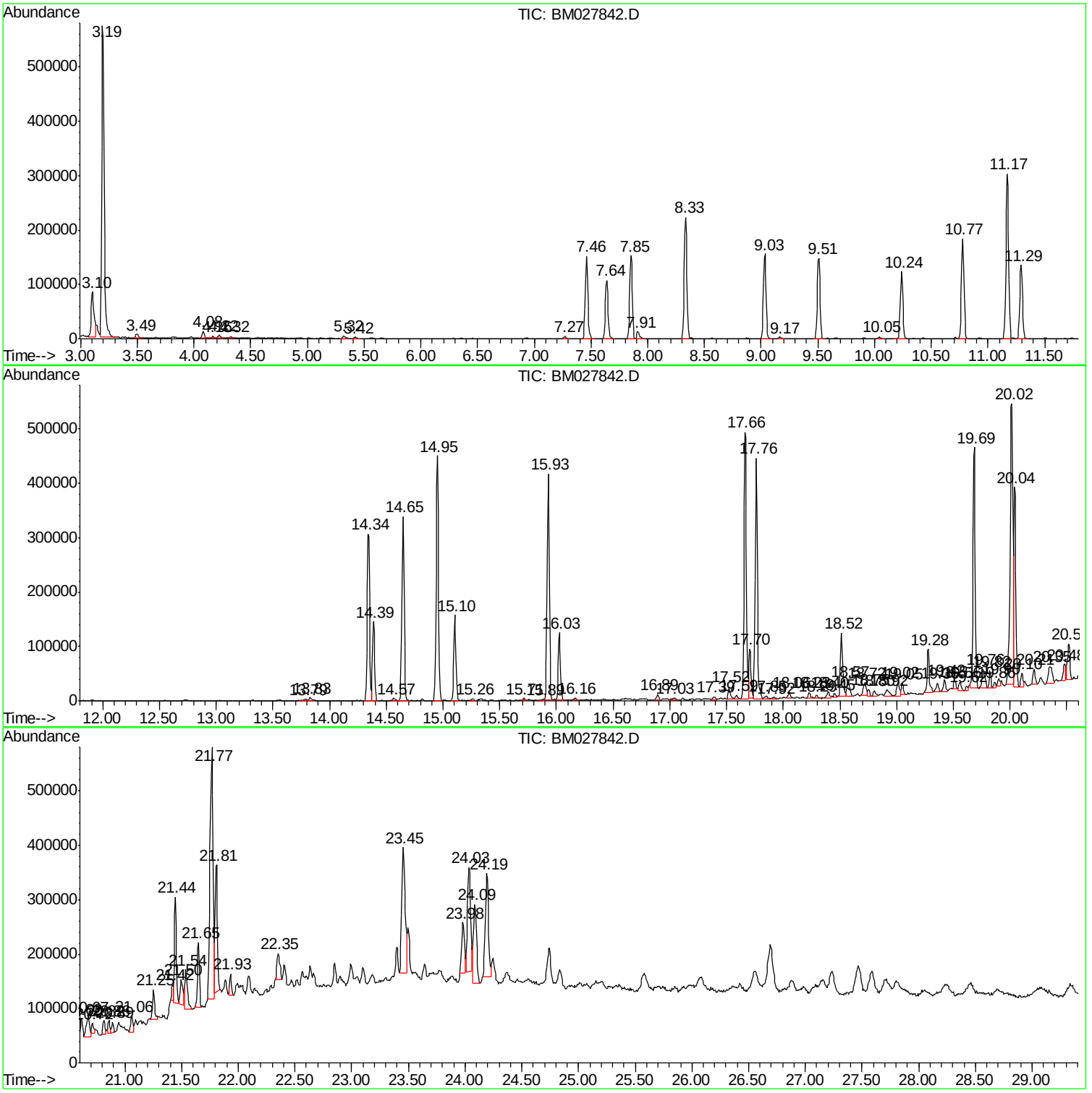
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111920\
Data File : BM027842.D
Acq On : 19 Nov 2020 13:47
Operator : JU/CG
Sample : L4710-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111920\
Data File : BM027842.D
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

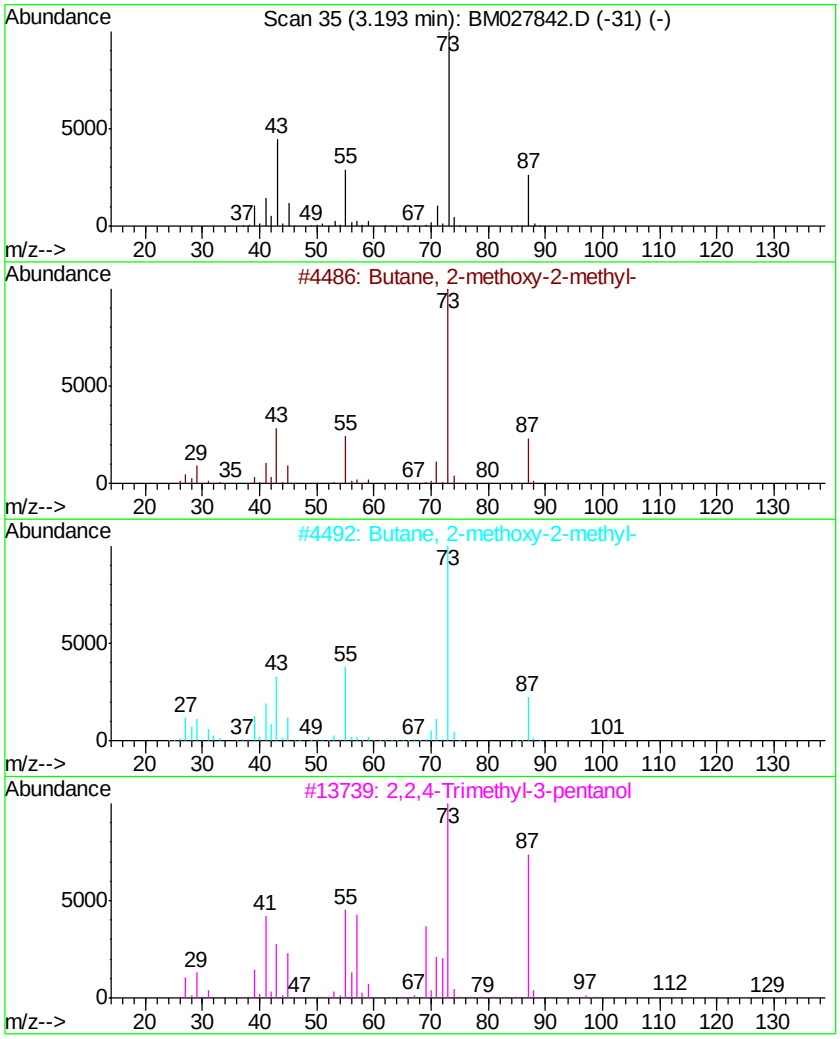
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

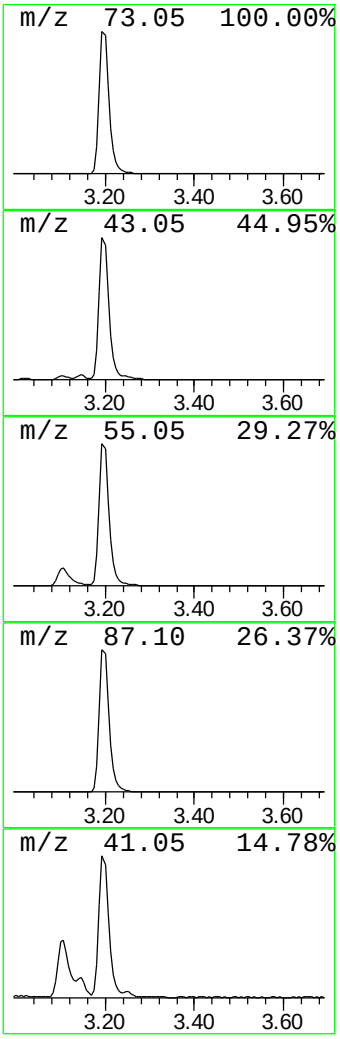
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	48.39 ng/ul	843169	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111920\
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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

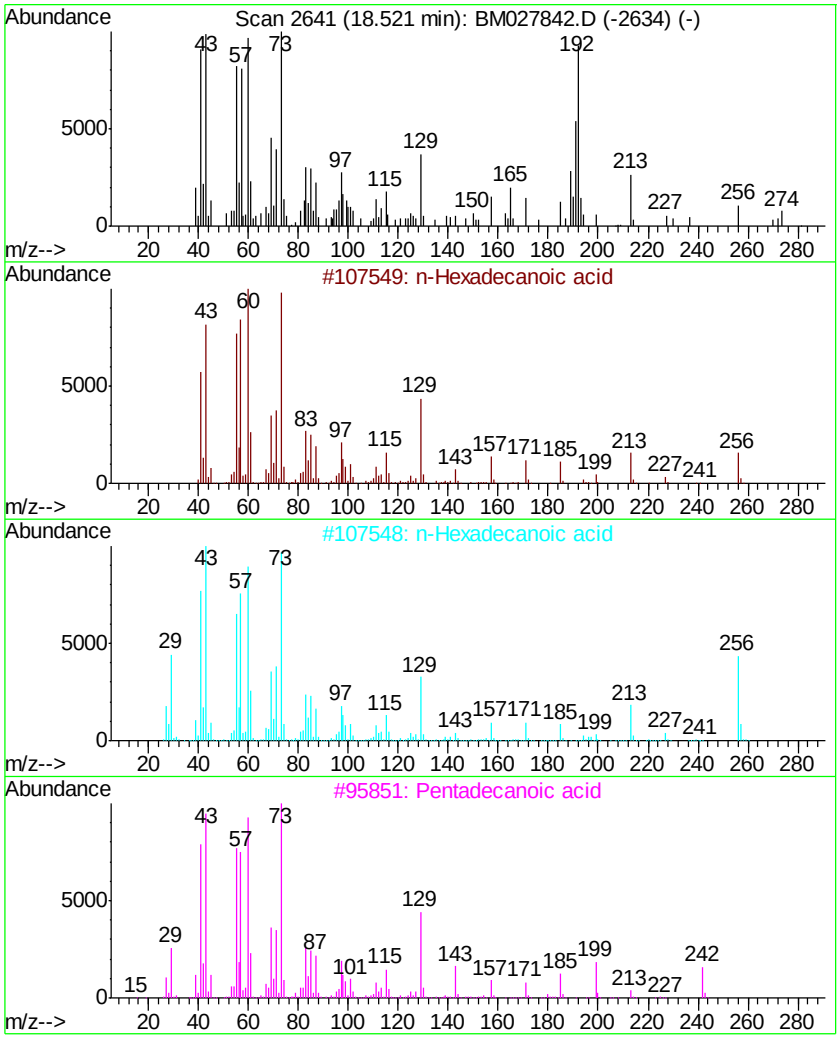
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

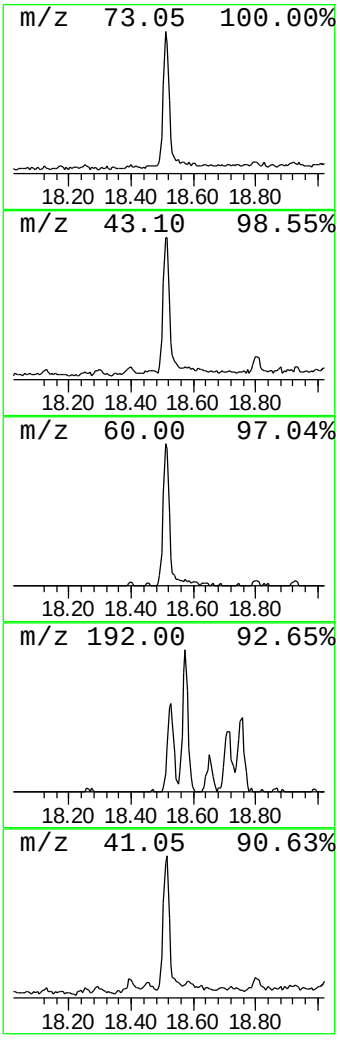
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	4.96 ng/ul	178735	Phenanthrene-d10	17.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	59





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

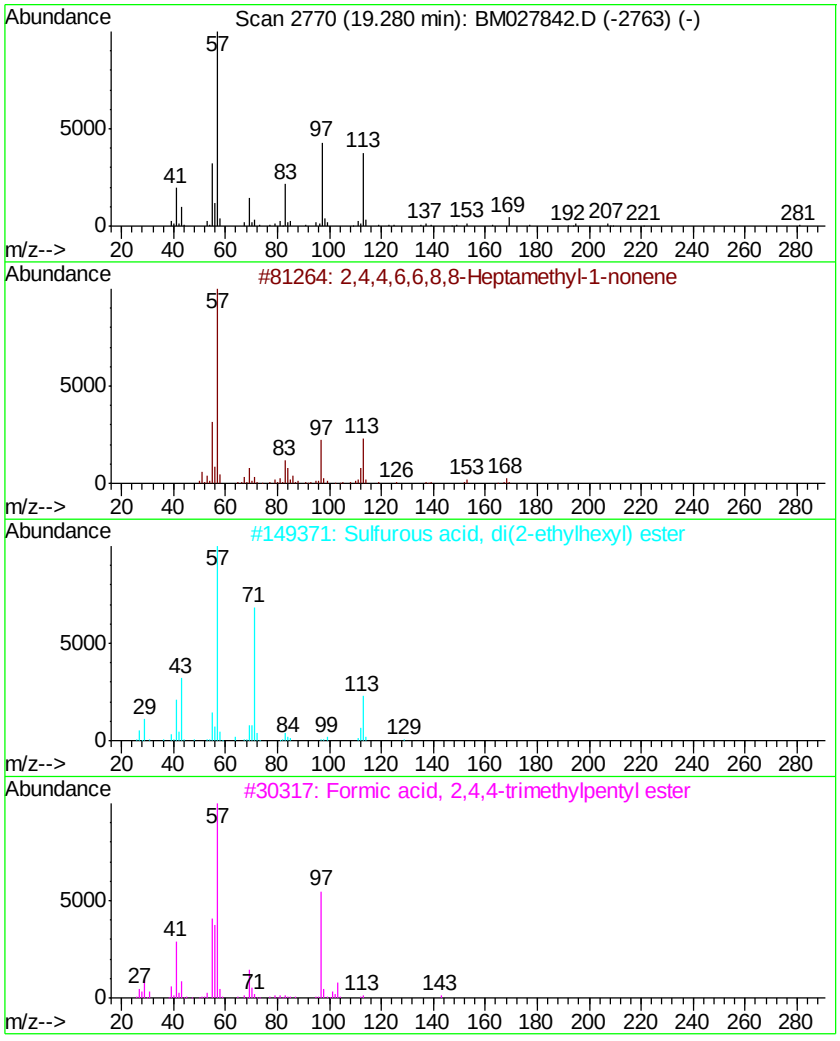
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

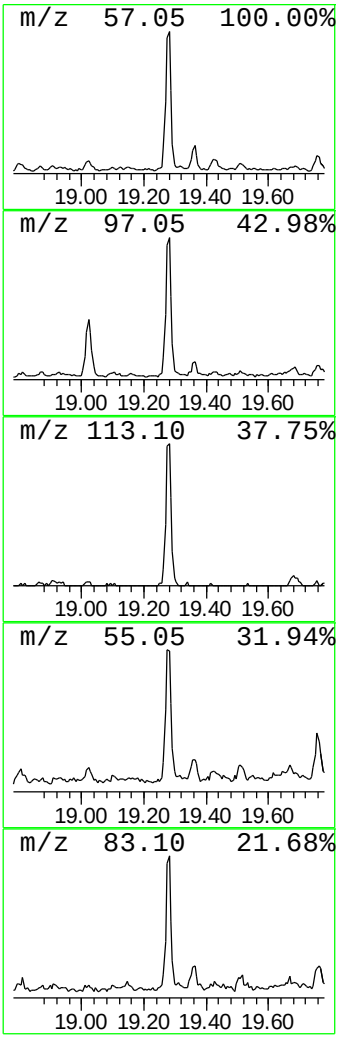
****

Peak Number 4 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.15 ng/ul	113549	Phenanthrene-d10	17.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	42
2	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	38
3	Formic acid, 2,4,4-trimethylpent...	158	C9H18O2	1000368-95-2	37
4	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1000365-01-4	37
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	35





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Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

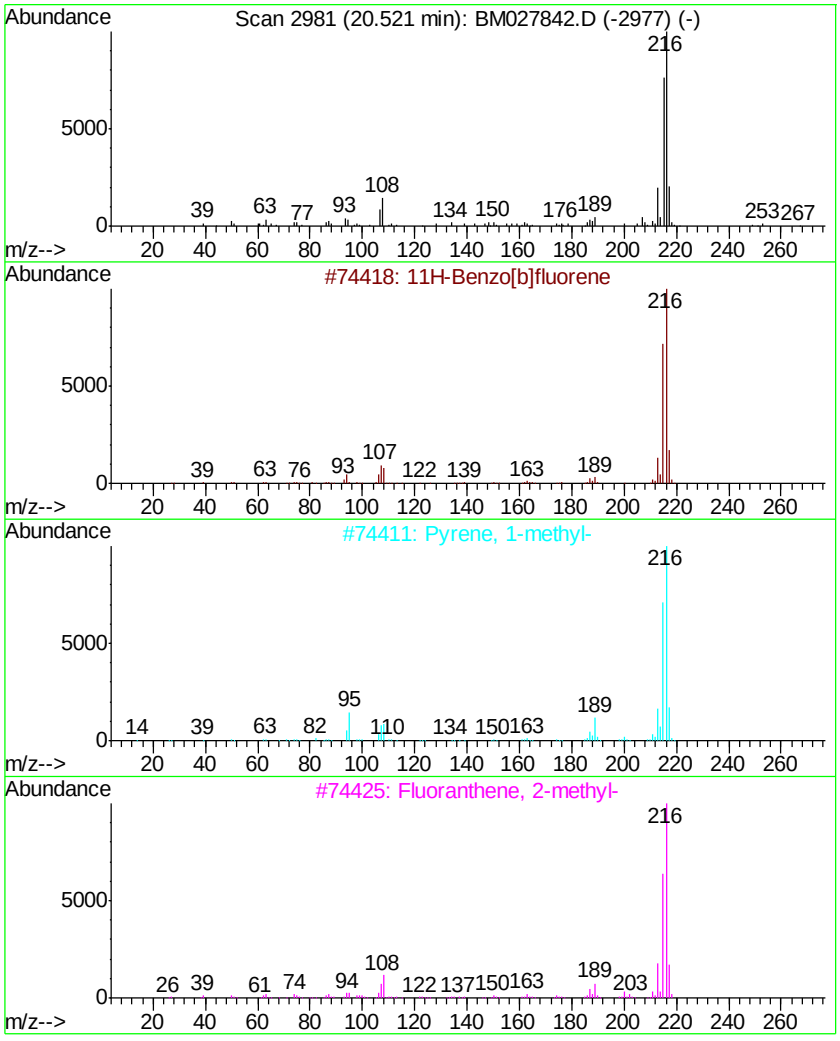
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

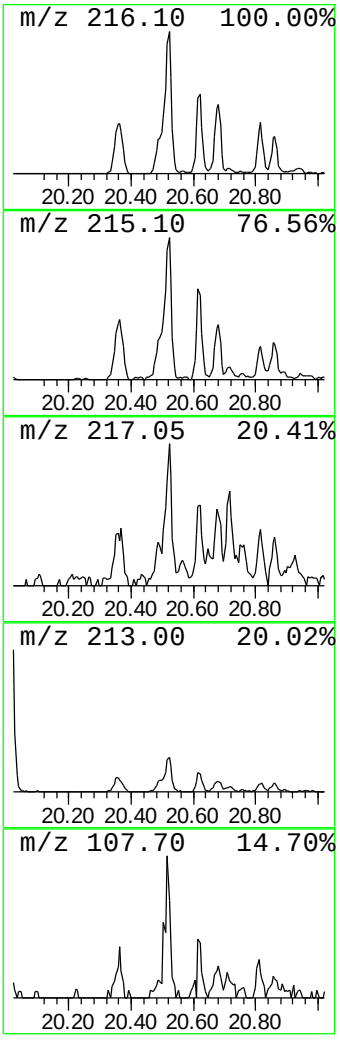
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.24 ng/ul	99679	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : L4710-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

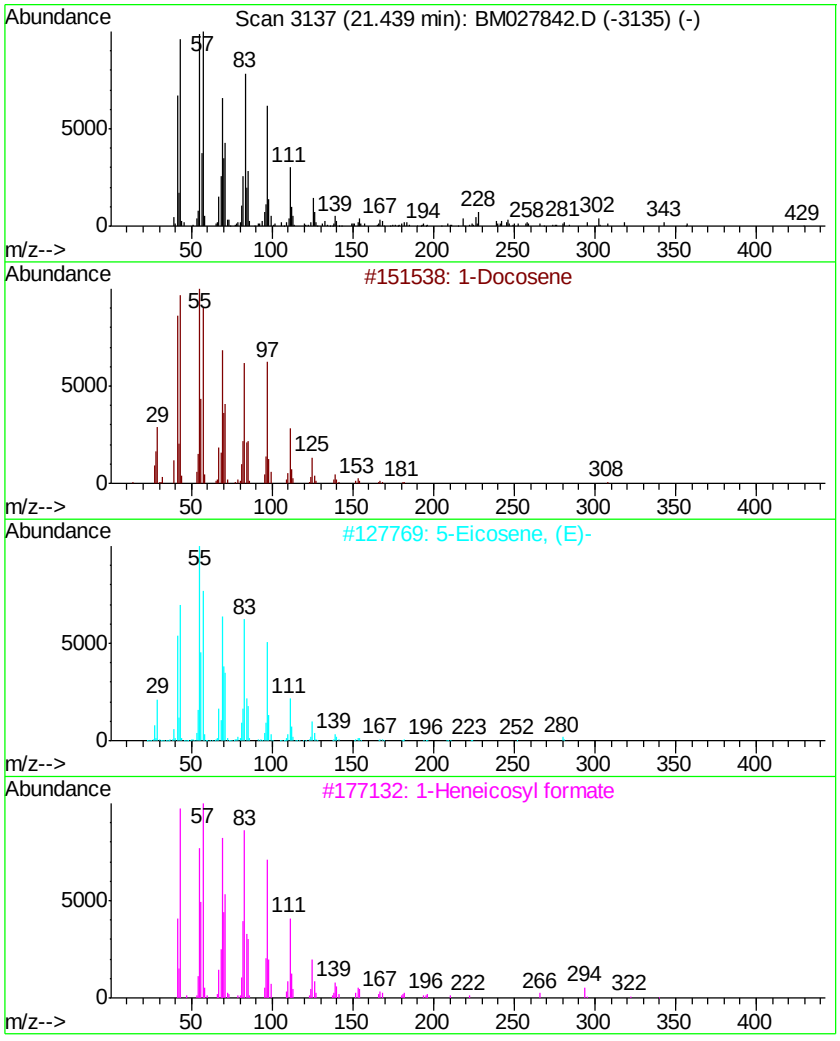
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

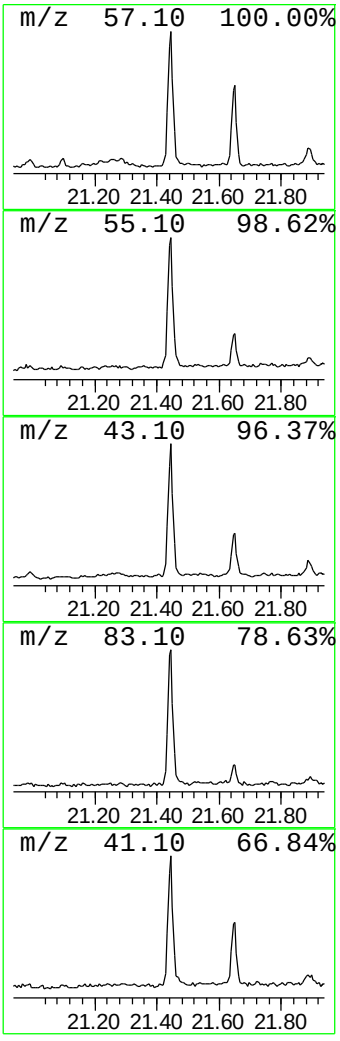
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	5.40 ng/ul	240136	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	93
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90





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Acq On : 19 Nov 2020 13:47
Operator : JU/CG
Sample : L4710-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

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

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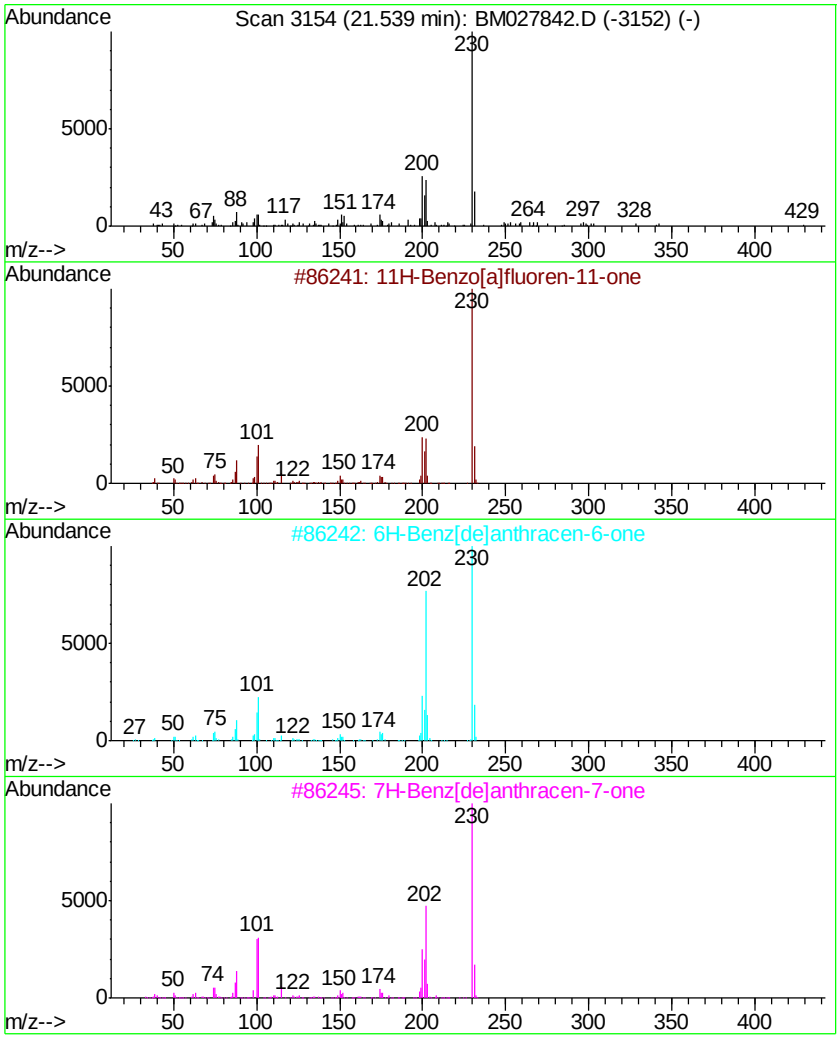
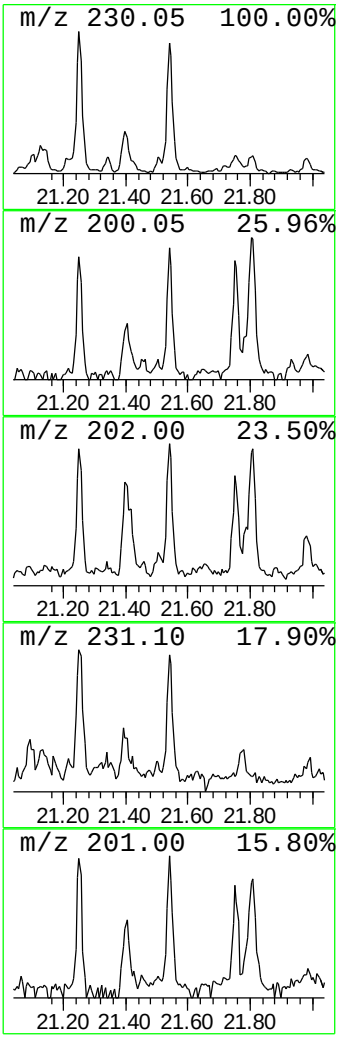
Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	2.34 ng/ul	103942	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	80
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111920\
Data File : BM027842.D
Acq On : 19 Nov 2020 13:47
Operator : JU/CG
Sample : L4710-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.M
Quant Title : SVOA CALIBRATION

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

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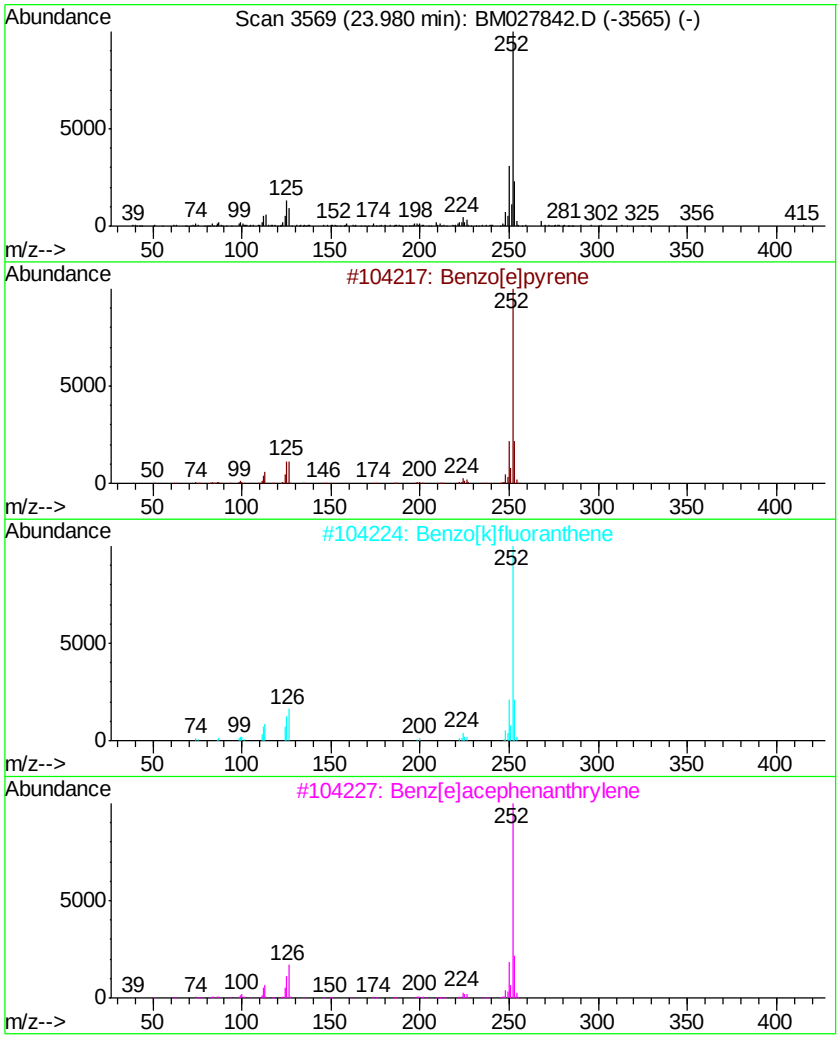
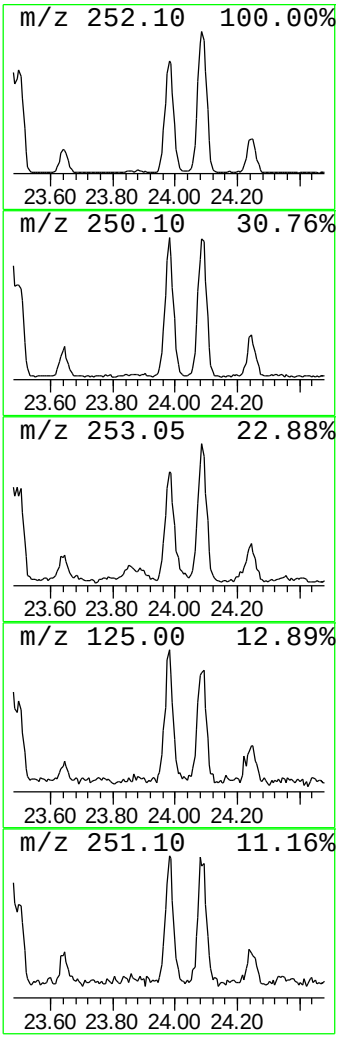
Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	8.45 ng/ul	160461	Perylene-d12	24.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111920\
Data File : BM027842.D
Acq On : 19 Nov 2020 13:47
Operator : JU/CG
Sample : L4710-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111220MA.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
Butane, 2-methoxy...	3.19	48.4	ng/ul	843169	1	8.33	348487	20.0
n-Hexadecanoic acid	18.52	5.0	ng/ul	178735	4	17.66	720707	20.0
unknown-01	19.28	3.1	ng/ul	113549	4	17.66	720707	20.0
11H-Benzo[b]fluorene	20.52	2.2	ng/ul	99679	5	21.77	889509	20.0
(DEL) Alkane: Str...	21.44	5.4	ng/ul	240136	5	21.77	889509	20.0
11H-Benzo[a]fluor...	21.54	2.3	ng/ul	103942	5	21.77	889509	20.0
Benzo[e]pyrene	23.98	8.4	ng/ul	160461	6	24.19	379924	20.0