LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029435.D
Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

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-BM040721MA.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	2.934	3	8	14	rBV	4055657	4917247	99.75%	9.219%
2	3.705	135	139	147	rVB	54729	75085	1.52%	0.141%
3	3.828	155	160	165	rVB	32026	50055	1.02%	0.094%
4	3.916	171	175	180	rVB	29653	37510	0.76%	0.070%
5	4.434	258	263	267	rBV	33752	53218	1.08%	0.100%
6	4.822	325	329	341	rVB2	28478	64895	1.32%	0.122%
7	6.857	667	675	687	rBV	347047	617137	12.52%	1.157%
8	7.028	698	704	713	rBV	242794	385107	7.81%	0.722%
9	7.222	731	737	746	rVV	355962	564219	11.45%	1.058%
10	7.316	749	753	762	rVB9	11544	22387	0.45%	0.042%
11	7.687	809	816	824	rBV	407329	641442	13.01%	1.203%
12	8.392	927	936	943	rBV	367174	603415	12.24%	1.131%
13	8.510	951	956	961	rVB	33276	52335	1.06%	0.098%
14	8.840	1005	1012	1021	rVV	297499	494882	10.04%	0.928%
15	9.557	1127	1134	1141	rBV	236608	395413	8.02%	0.741%
16	10.092	1218	1225	1235	rVB	356242	608838	12.35%	1.141%
17	10.469	1282	1289	1295	rBV	498374	837220	16.98%	1.570%
18	10.516	1295	1297	1303	rVB	16255	22734	0.46%	0.043%
19	10.604	1305	1312	1330	rBV	228601	453819	9.21%	0.851%
20	13.157	1739	1746	1752	rBV2	27337	43673	0.89%	0.082%
21	13.222	1752	1757	1764	rBV9	9630	22103	0.45%	0.041%
22	13.486	1796	1802	1804	rBV7	12558	23119	0.47%	0.043%
23	13.645	1823	1829	1834	rVV	31372	53927	1.09%	0.101%
24	13.698	1834	1838	1839	rVV3	19326	22569	0.46%	0.042%
25	13.733	1839	1844	1849	rVV	548963	788468	15.99%	1.478%
26	13.780	1849	1852	1857	rVV	54056	78867	1.60%	0.148%
27	13.880	1862	1869	1877	rBV3	20490	43948	0.89%	0.082%
28	14.016	1883	1892	1903	rBV	655984	1074206	21.79%	2.014%
29	14.239	1925	1930	1933	rBV3	26353	35881	0.73%	0.067%
30	14.322	1935	1944	1951	rBV	659358	975675	19.79%	1.829%
31	14.386	1951	1955	1963	rVB	80476	121666	2.47%	0.228%
32	14.522	1973	1978	1989	rBV	147372	271119	5.50%	0.508%
33	14.616	1989	1994	2000	rBV5	13563	23773	0.48%	0.045%
34	14.721	2008	2012	2021	rVB	77868	150634	3.06%	0.282%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029435.D
Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

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-BM040721MA.M
Title : SVOA CALIBRATION

35	14.804	2021	2026	2030	rVB2	24420	36596	0.74%	0.069%
36	14.857	2032	2035	2042	rVB8	10948	22108	0.45%	0.041%
37	14.945	2042	2050	2055	rBV4	28565	66117	1.34%	0.124%
38	14.998	2055	2059	2062	rVB2	22522	29028	0.59%	0.054%
39	15.116	2072	2079	2082	rBV5	30403	61979	1.26%	0.116%
40	15.192	2088	2092	2096	rVB3	30508	38585	0.78%	0.072%
41	15.316	2099	2113	2118	rBV	822921	1173547	23.81%	2.200%
42	15.368	2118	2122	2128	rVV2	160901	226643	4.60%	0.425%
43	15.433	2129	2133	2141	rVB2	57754	85200	1.73%	0.160%
44	15.533	2147	2150	2156	rBV6	20866	40069	0.81%	0.075%
45	15.663	2168	2172	2182	rVB	61028	108117	2.19%	0.203%
46	15.816	2193	2198	2205	rVB	66439	139531	2.83%	0.262%
47	15.992	2222	2228	2232	rBV8	14513	32660	0.66%	0.061%
48	16.051	2233	2238	2247	rVV3	63573	142981	2.90%	0.268%
49	16.157	2252	2256	2259	rBV	29481	46590	0.95%	0.087%
50	16.221	2263	2267	2271	rVV3	24142	41799	0.85%	0.078%
51	16.280	2272	2277	2281	rVV4	29106	42920	0.87%	0.080%
52	16.374	2287	2293	2298	rVV3	50687	104235	2.11%	0.195%
53	16.421	2298	2301	2306	rVB3	36394	49193	1.00%	0.092%
54	16.474	2306	2310	2314	rBV5	37625	57452	1.17%	0.108%
55	16.610	2329	2333	2336	rBV4	42516	71613	1.45%	0.134%
56	16.721	2348	2352	2359	rVB3	52219	91385	1.85%	0.171%
57	16.798	2361	2365	2370	rVV	57493	109628	2.22%	0.206%
58	16.839	2370	2372	2375	rVV2	34844	46909	0.95%	0.088%
59	16.880	2375	2379	2388	rVB	173988	289523	5.87%	0.543%
60	17.063	2405	2410	2413	rBV	671926	986644	20.02%	1.850%
61	17.104	2413	2417	2422	rVV	2162955	3052930	61.93%	5.724%
62	17.163	2422	2427	2430	rVV	841385	1171297	23.76%	2.196%
63	17.198	2430	2433	2438	rVB	449524	575906	11.68%	1.080%
64	17.257	2438	2443	2449	rBV2	73717	125456	2.54%	0.235%
65	17.339	2454	2457	2461	rVV2	17522	24643	0.50%	0.046%
66	17.468	2472	2479	2483	rBV2	103233	175433	3.56%	0.329%
67	17.580	2494	2498	2505	rBV2	58658	94545	1.92%	0.177%
68	17.645	2506	2509	2515	rVV6	37960	56689	1.15%	0.106%
69	17.939	2554	2559	2561	rBV2	177830	252242	5.12%	0.473%
70	17.986	2561	2567	2575	rVB	273244	507007	10.29%	0.951%
71	18.062	2576	2580	2586	rVV	119843	175081	3.55%	0.328%

LSC Area Percent Report

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Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

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-BM040721MA.M
Title : SVOA CALIBRATION

72	18.133	2586	2592	2596	rVV3	390197	686605	13.93%	1.287%
73	18.168	2596	2598	2606	rVB2	143273	183537	3.72%	0.344%
74	18.439	2640	2644	2647	rBV	198488	252810	5.13%	0.474%
75	18.480	2647	2651	2657	rVB	195704	269541	5.47%	0.505%
76	18.539	2658	2661	2668	rBV4	91742	129678	2.63%	0.243%
77	18.857	2712	2715	2720	rBV2	77376	112684	2.29%	0.211%
78	18.998	2735	2739	2747	rVB3	83729	171152	3.47%	0.321%
79	19.127	2755	2761	2767	rVB	3637484	4929514	100.00%	9.242%
80	19.274	2782	2786	2789	rBV	147882	187140	3.80%	0.351%
81	19.362	2798	2801	2805	rVB	137787	167764	3.40%	0.315%
82	19.456	2812	2817	2819	rBV2	1367531	1987186	40.31%	3.726%
83	19.486	2819	2822	2830	rVV	2985969	3799223	77.07%	7.123%
84	19.562	2831	2835	2841	rVB3	133304	232106	4.71%	0.435%
85	19.662	2849	2852	2856	rBV	160491	185664	3.77%	0.348%
86	19.804	2872	2876	2883	rBV3	125474	305202	6.19%	0.572%
87	19.980	2902	2906	2910	rVB2	424732	537779	10.91%	1.008%
88	20.080	2919	2923	2927	rVB2	352534	417156	8.46%	0.782%
89	20.892	3058	3061	3064	rVB	193706	209634	4.25%	0.393%
90	20.927	3065	3067	3070	rVB	182301	165907	3.37%	0.311%
91	20.968	3070	3074	3079	rBV3	321616	449573	9.12%	0.843%
92	21.233	3114	3119	3124	rBV3	1661862	3170678	64.32%	5.945%
93	21.280	3124	3127	3136	rVB	1374744	1755387	35.61%	3.291%
94	21.398	3144	3147	3151	rBV2	235270	304839	6.18%	0.572%
95	22.792	3379	3384	3389	rBV	1069645	2232776	45.29%	4.186%
96	23.262	3460	3464	3468	rBV	456677	751746	15.25%	1.409%
97	23.315	3469	3473	3476	rVV	560986	945118	19.17%	1.772%
98	23.356	3476	3480	3489	rVB	983555	1757333	35.65%	3.295%
99	23.456	3492	3497	3502	rBV	513914	880997	17.87%	1.652%
100	25.674	3868	3874	3883	rVB2	448831	1179584	23.93%	2.212%

Sum of corrected areas: 53337180

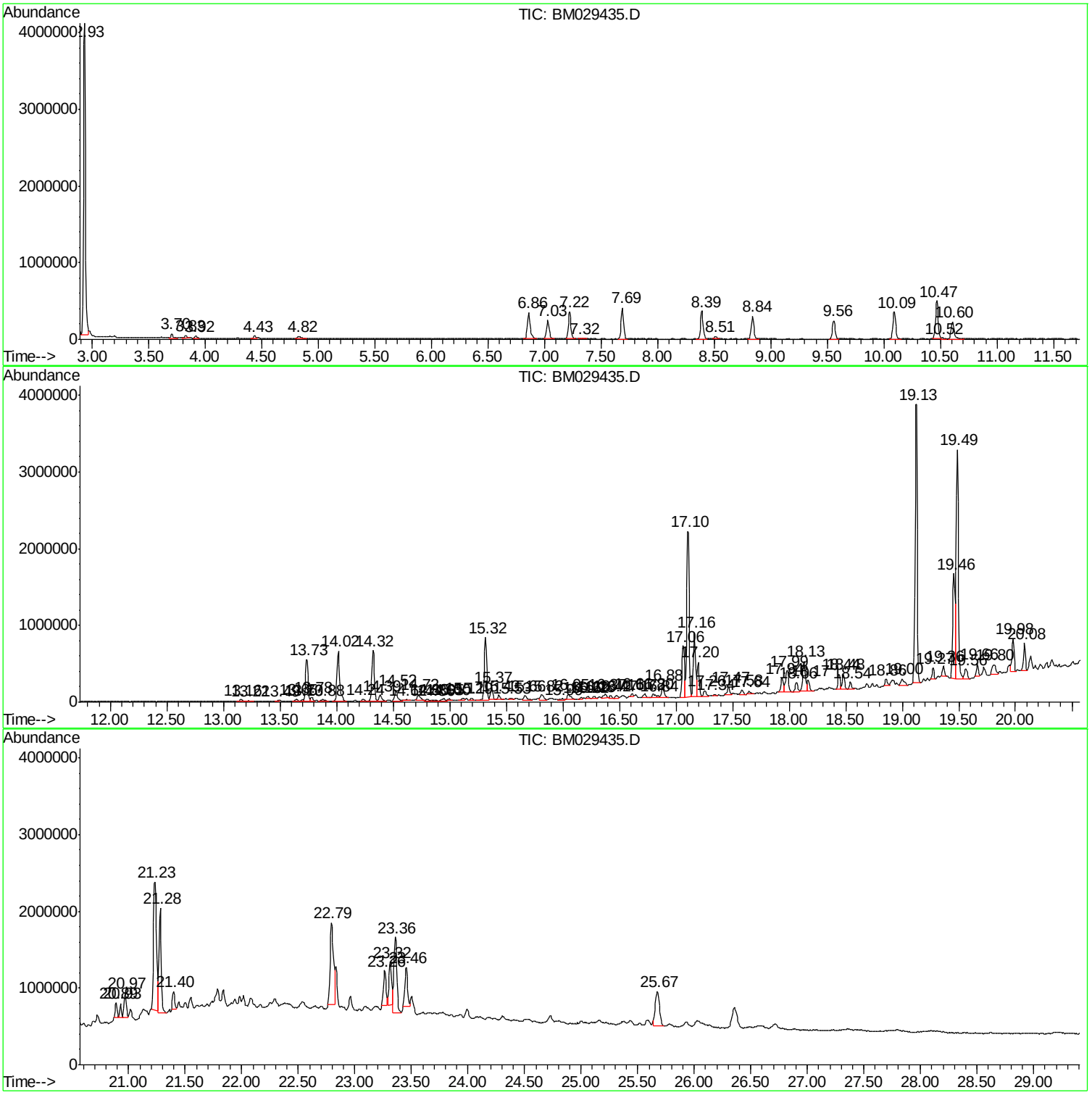
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029435.D
Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.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\BM040921\
Data File : BM029435.D
Acq On : 09 Apr 2021 17:23
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Misc :
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Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

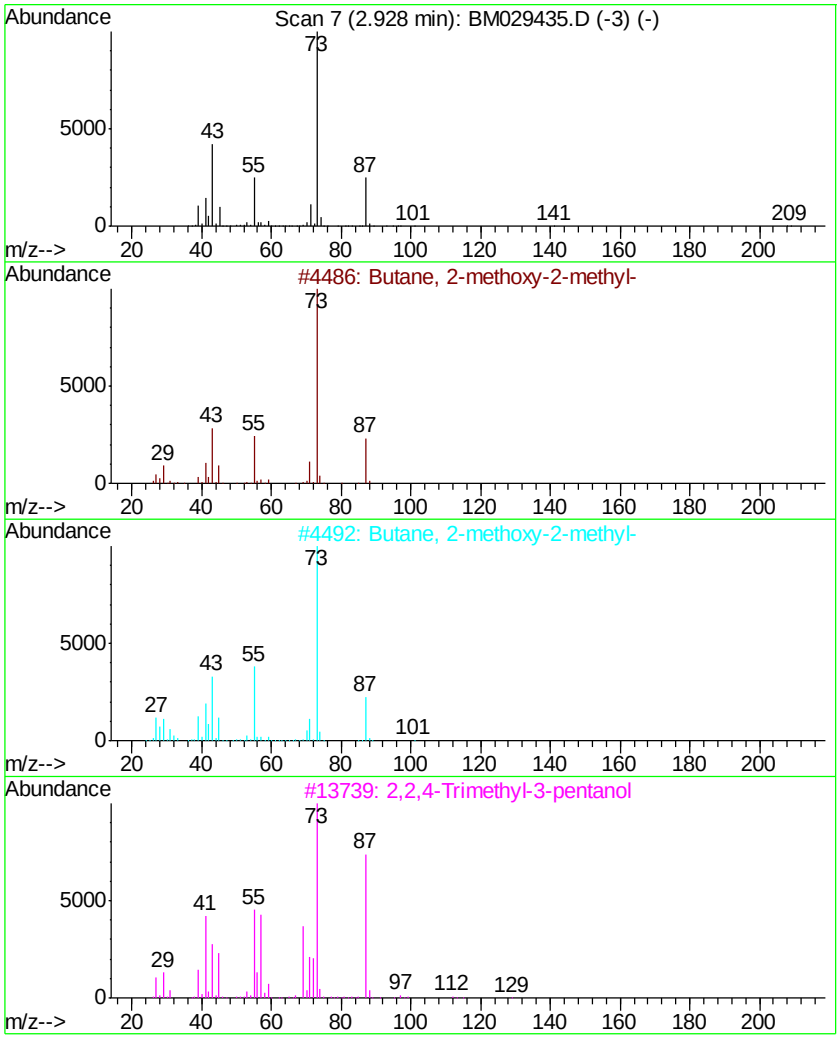
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

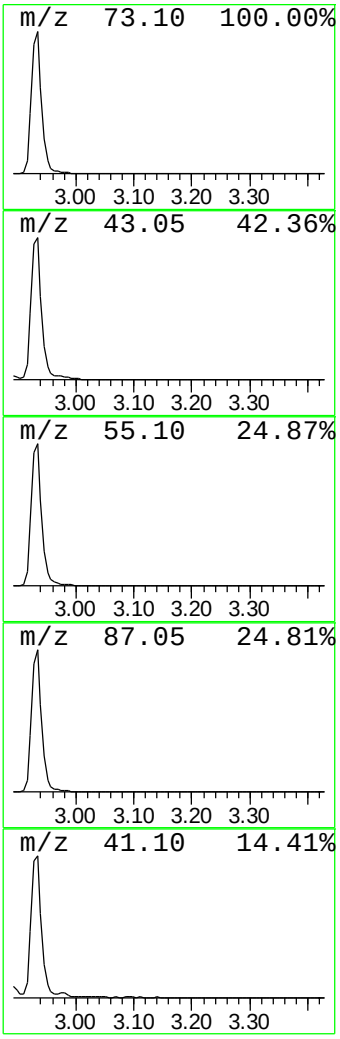
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	153.32 ng/ul	4917250	1,4-Dichlorobenzene-d4	7.69

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	56
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029435.D
Acq On : 09 Apr 2021 17:23
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Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

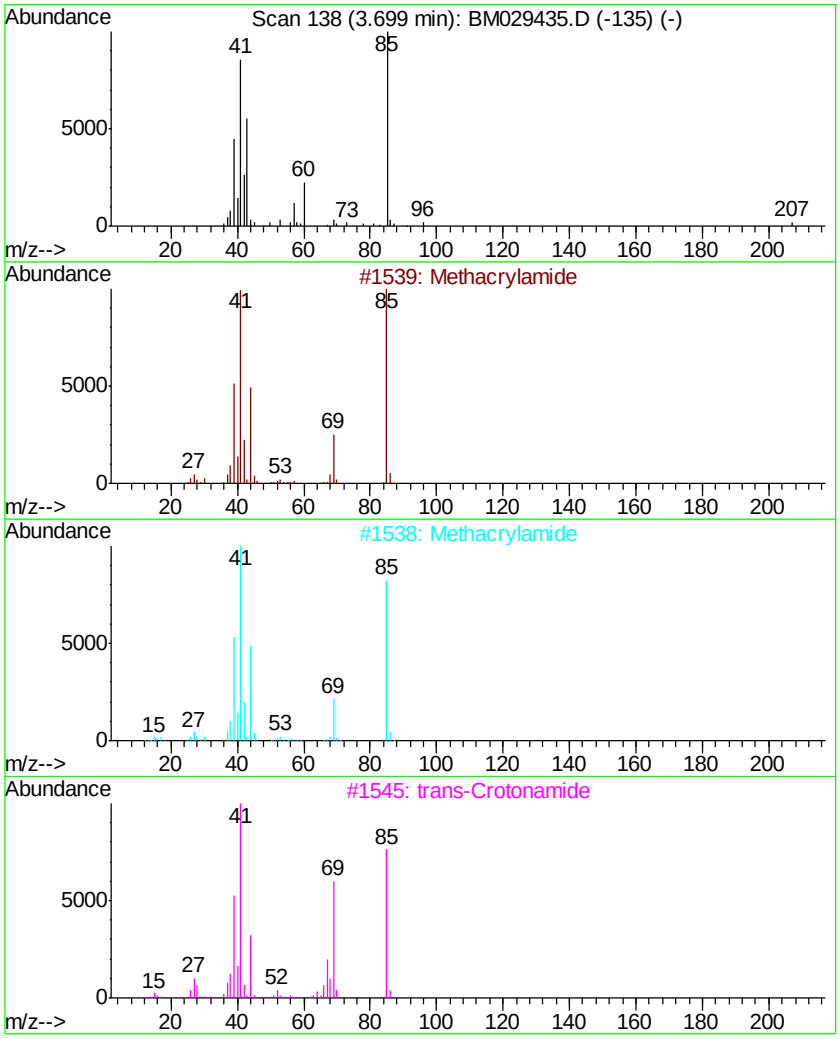
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

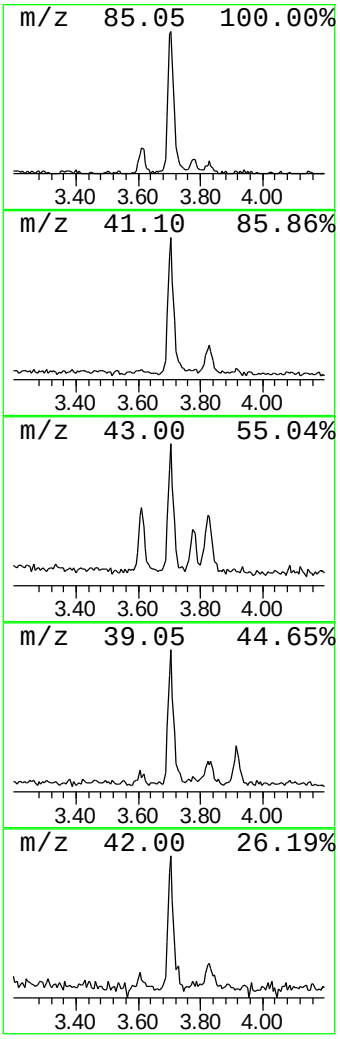
****

Peak Number 2 Methacrylamide Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	2.34 ng/ul	75085	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	64
2	Methacrylamide	85	C4H7NO	000079-39-0	64
3	trans-Crotonamide	85	C4H7NO	000625-37-6	59
4	Methacrylamide	85	C4H7NO	000079-39-0	45
5	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
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Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

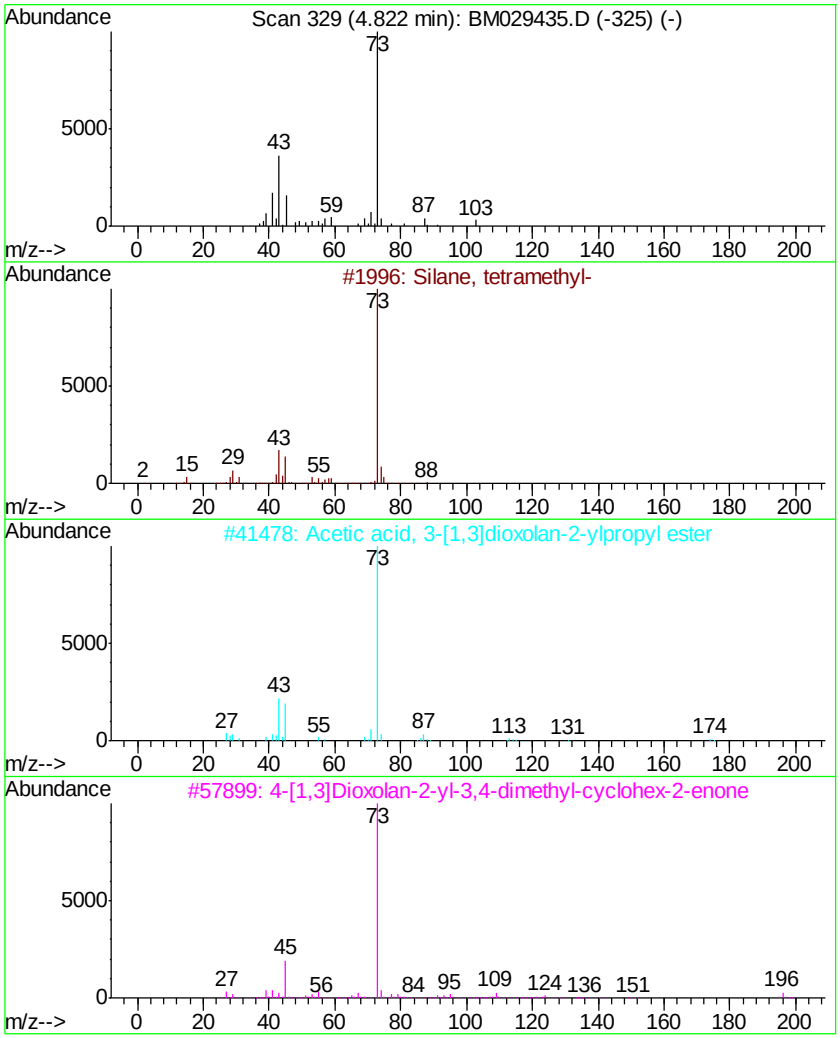
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

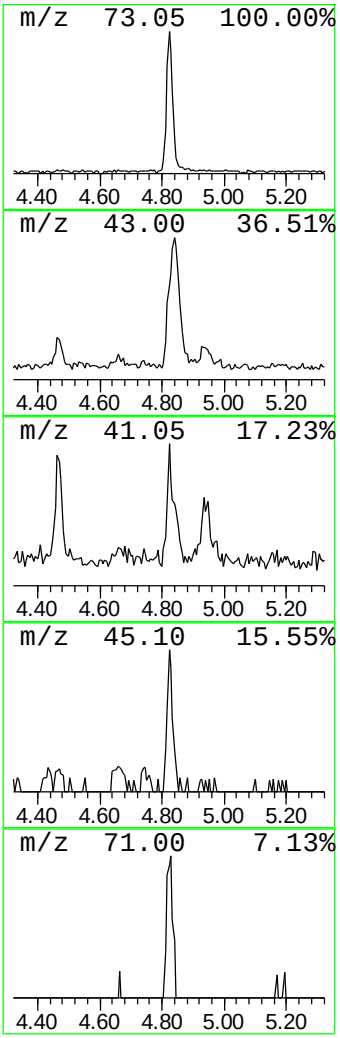
****

Peak Number 3 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	2.02 ng/ul	64895	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	49
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	37
3	4-[1,3]Dioxolan-2-yl-3,4-dimethy...	196	C11H16O3	054710-16-6	25
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	25
5	o-2-Pentylhydroxylamine	103	C5H13NO	1000322-43-4	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
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Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

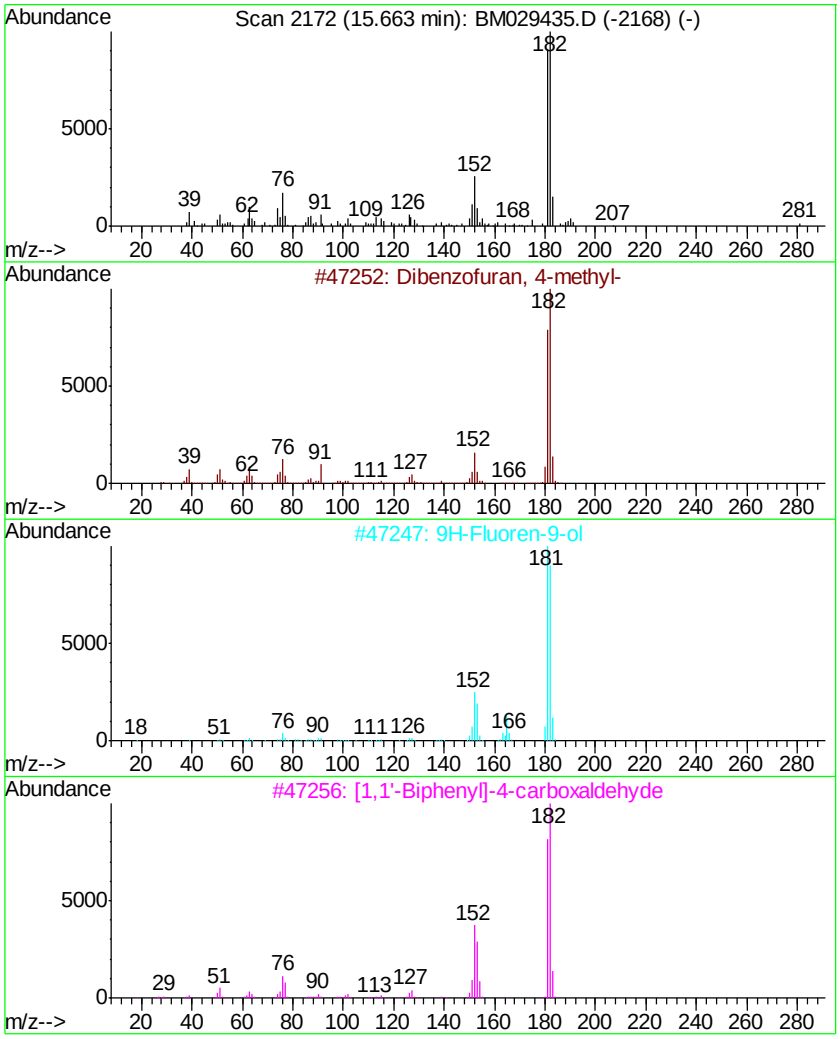
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

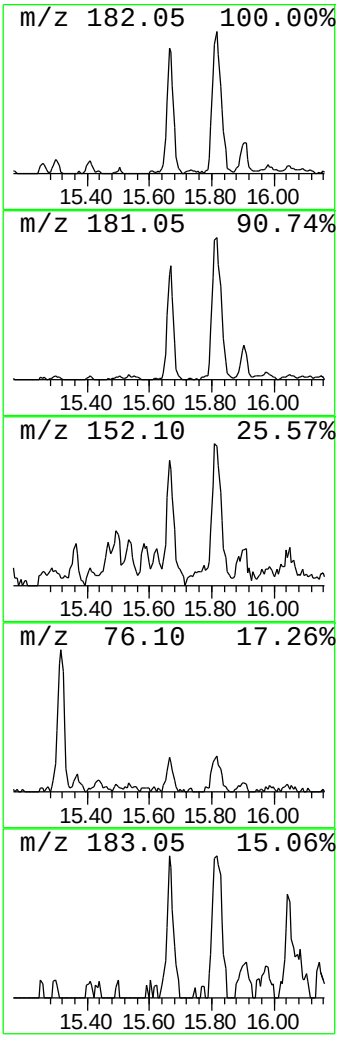
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.22 ng/ul	108117	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029435.D
Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

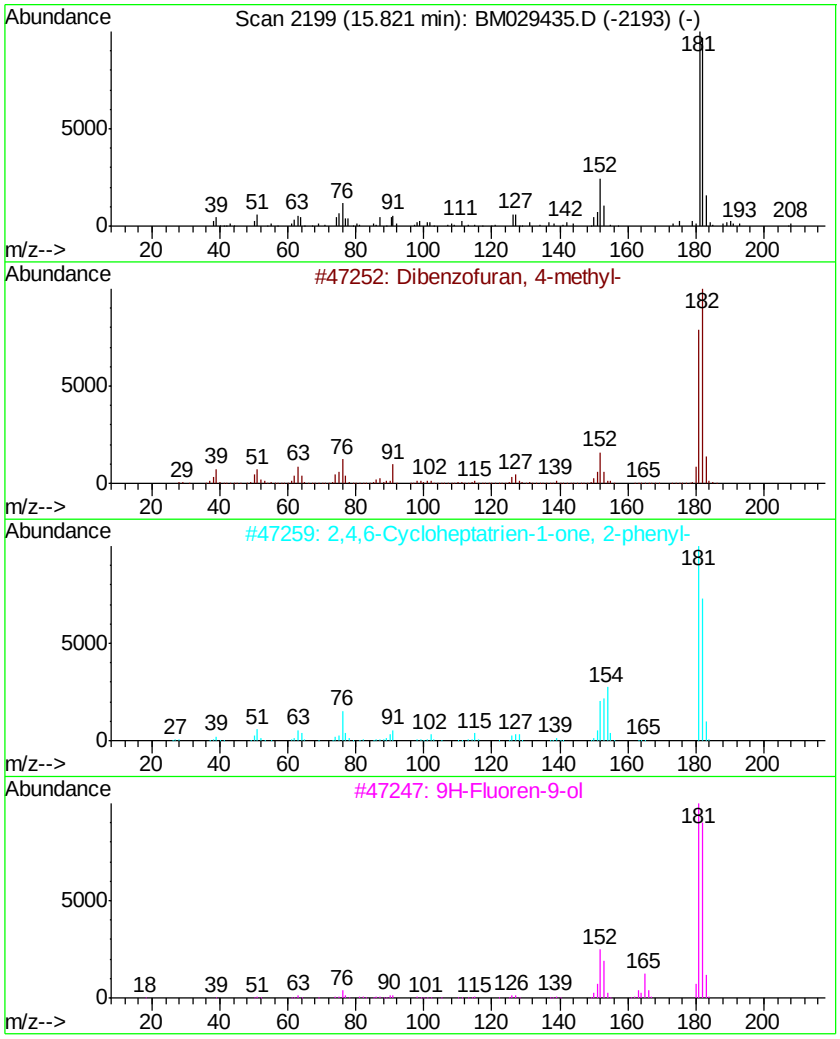
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

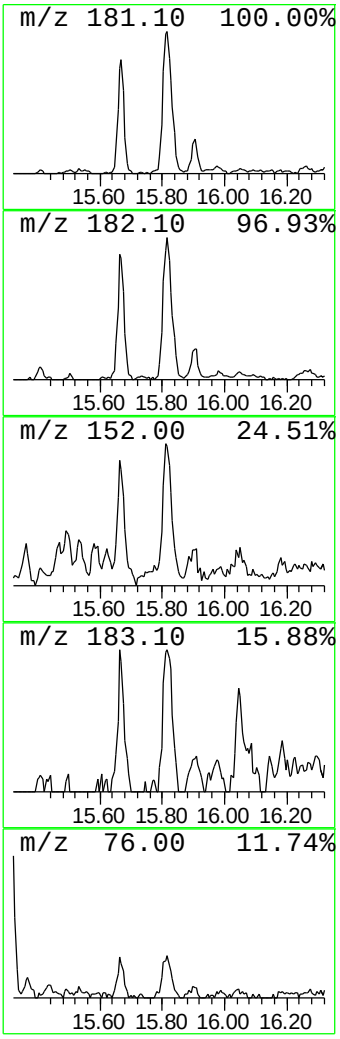
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.83 ng/ul	139531	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
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Instrument : BNA_M
ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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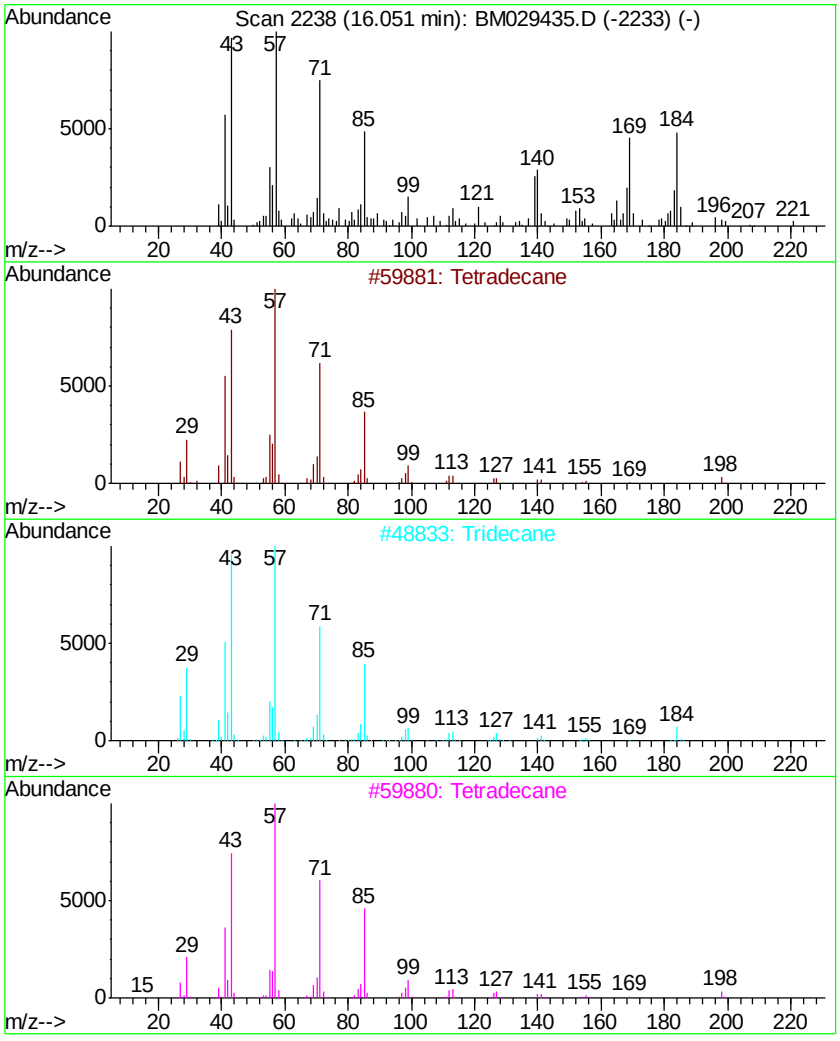
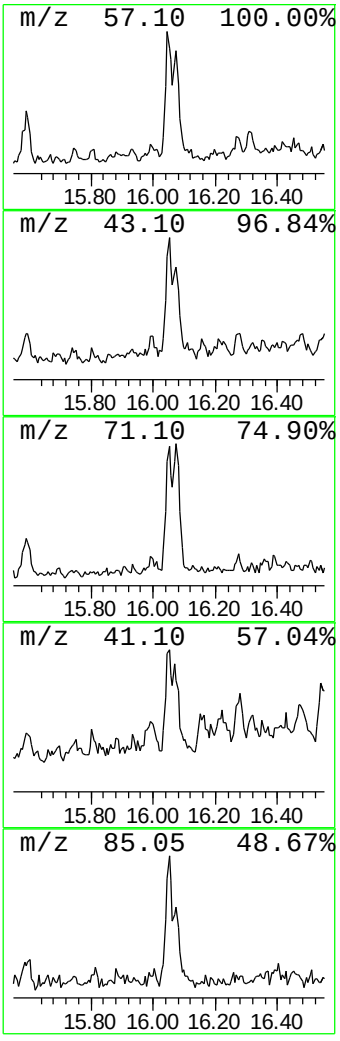
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.90 ng/ul	142981	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	60
2	Tridecane	184	C13H28	000629-50-5	46
3	Tetradecane	198	C14H30	000629-59-4	46
4	S-(2-Methyl-3-furyl)-2-methylpro...	184	C9H12O2S	1000360-32-7	43
5	Dodecane	170	C12H26	000112-40-3	42





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ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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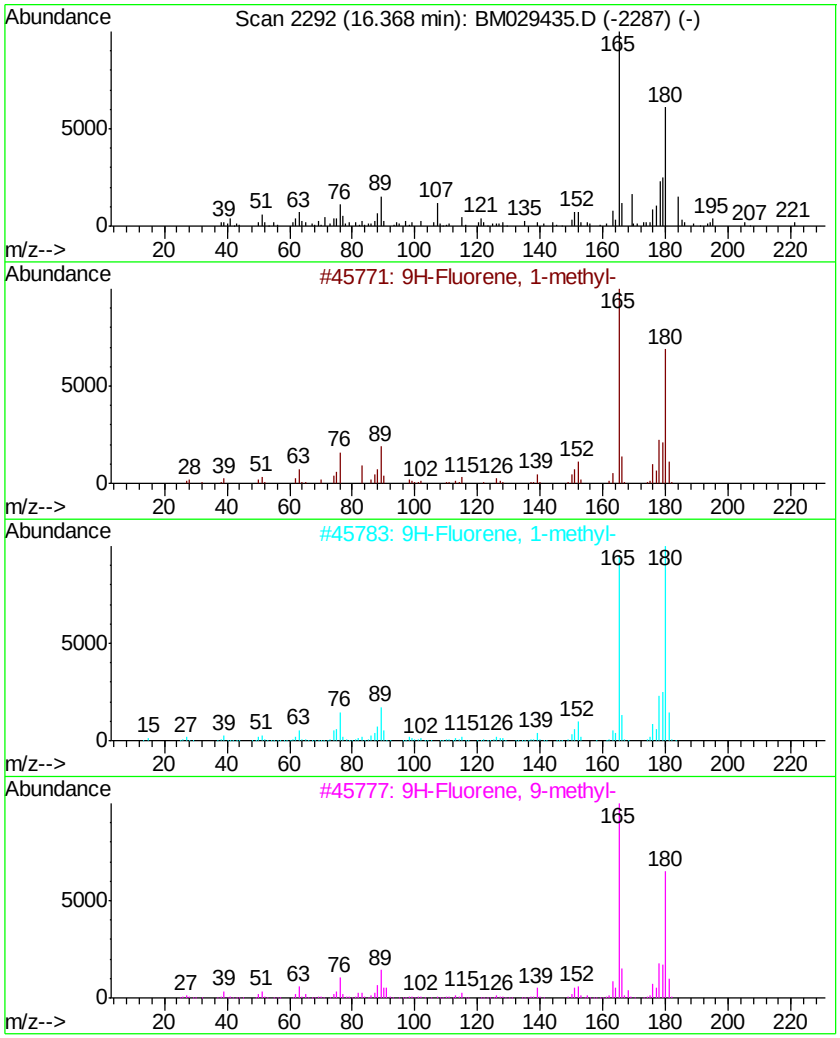
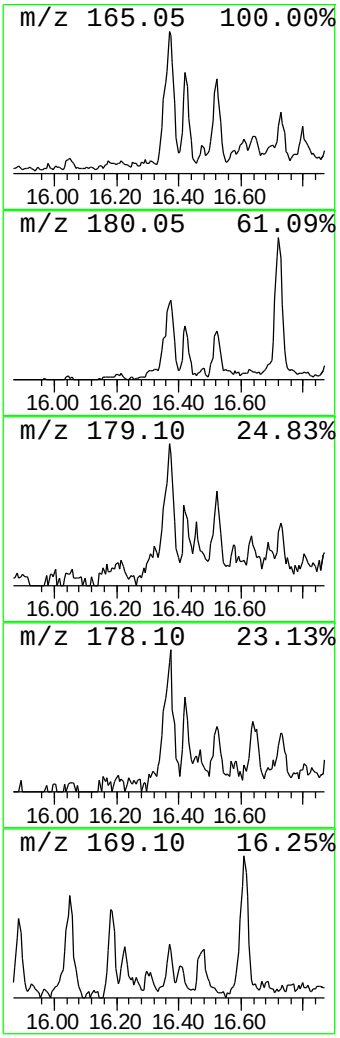
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	2.11 ng/ul	104235	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64





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Quant Title : SVOA CALIBRATION

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

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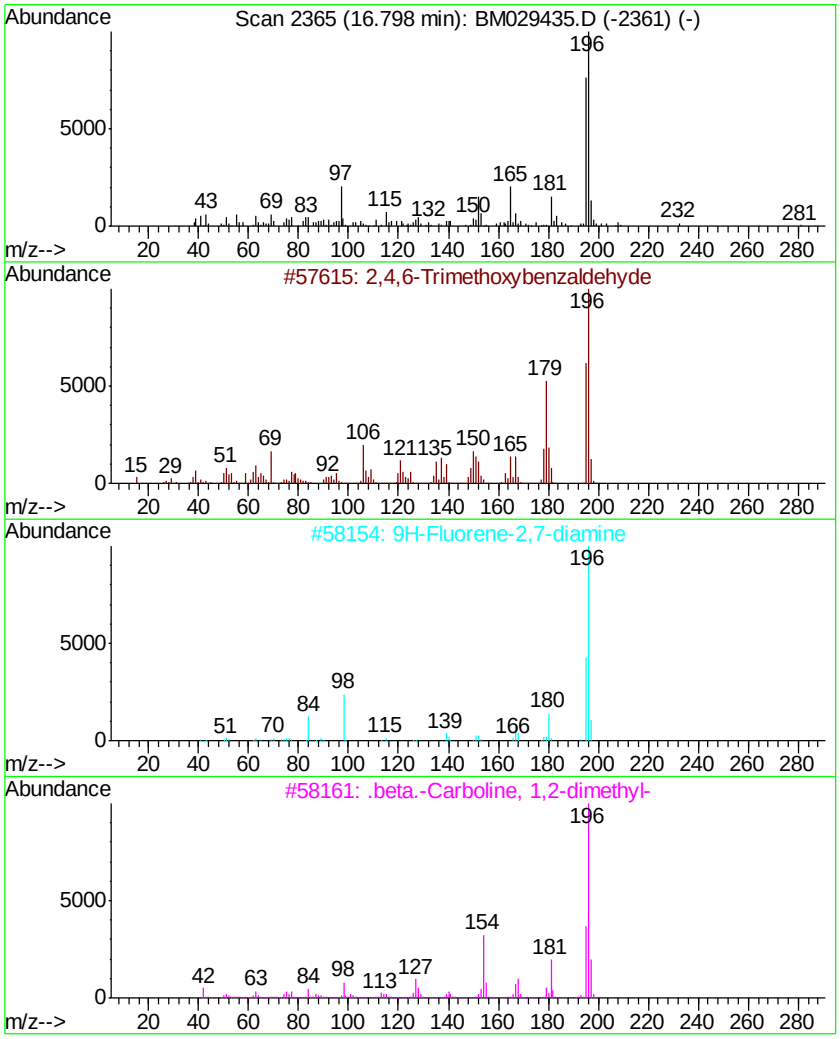
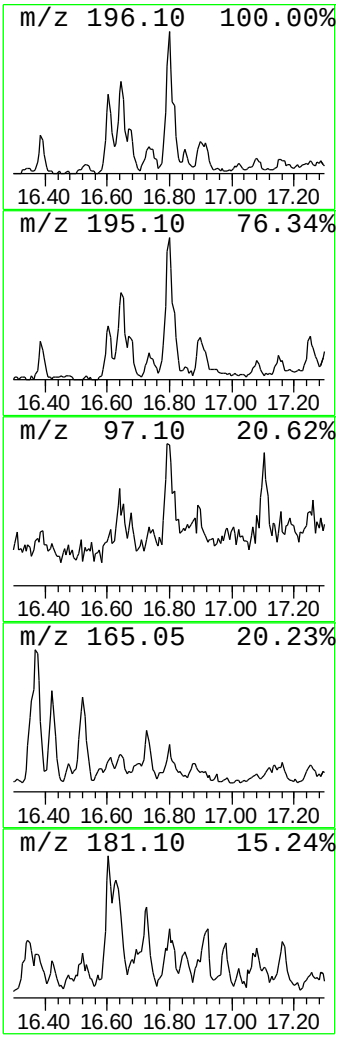
Peak Number 8 2,4,6-Trimethoxybenzaldehyde Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.22 ng/ul	109628	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43
3	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	43
4	Silanetriamine, 1-chloro-N,N,N',...	195	C6H18ClN3Si	013307-05-6	38
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	38





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Quant Title : SVOA CALIBRATION

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

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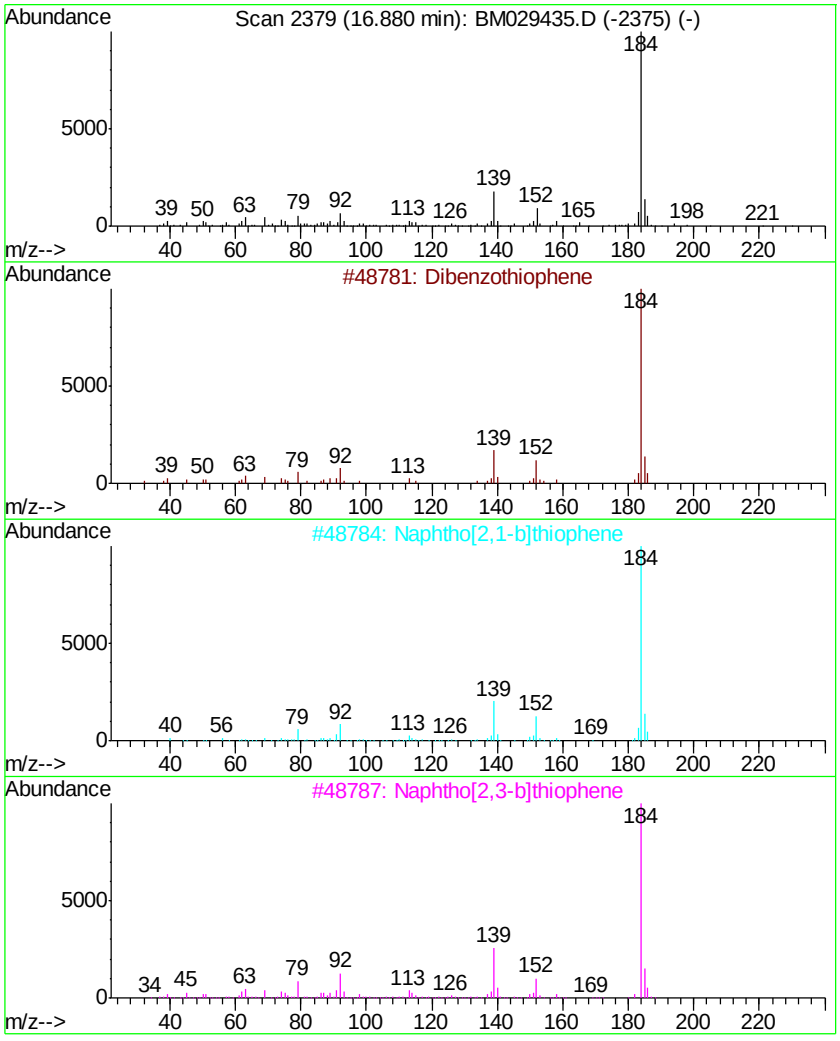
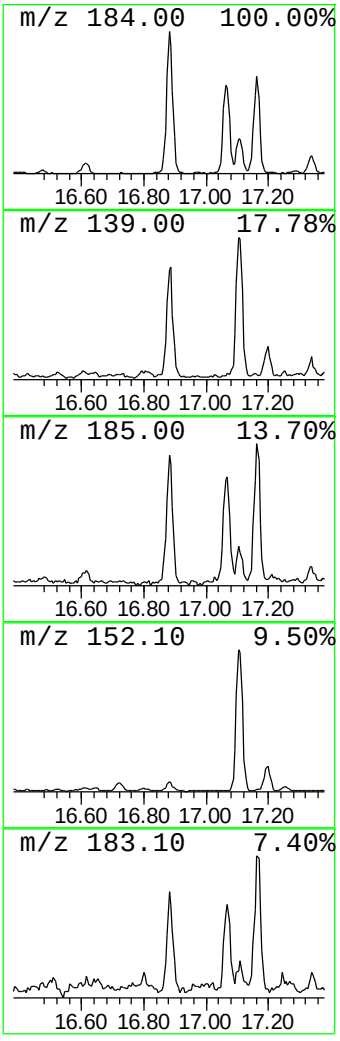
Peak Number 9 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	5.87 ng/ul	289523	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Quant Title : SVOA CALIBRATION

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

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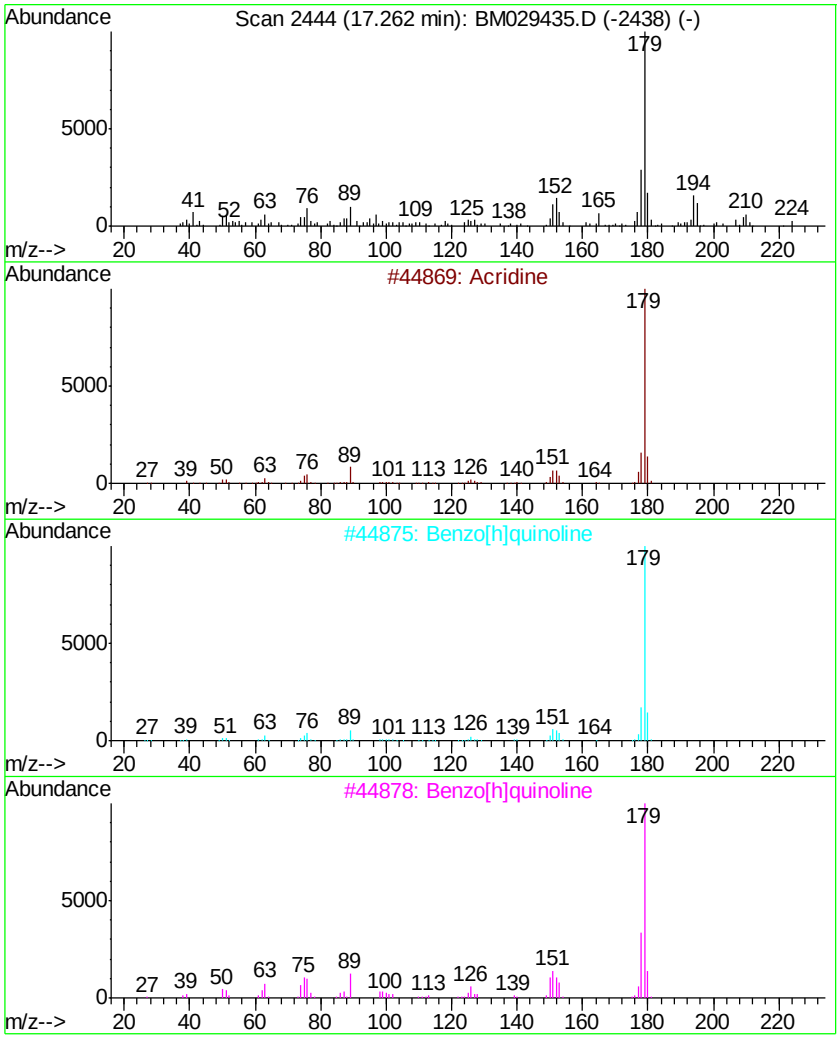
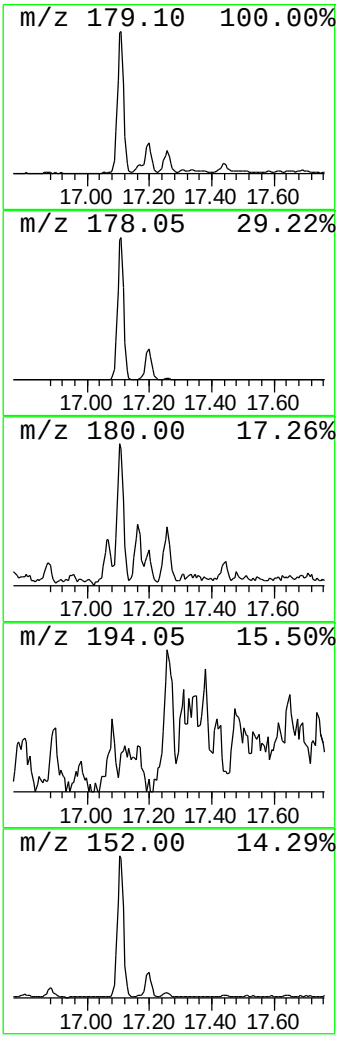
Peak Number 10 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.54 ng/ul	125456	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
4	Acridine	179	C13H9N	000260-94-6	90
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	76





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Quant Title : SVOA CALIBRATION

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

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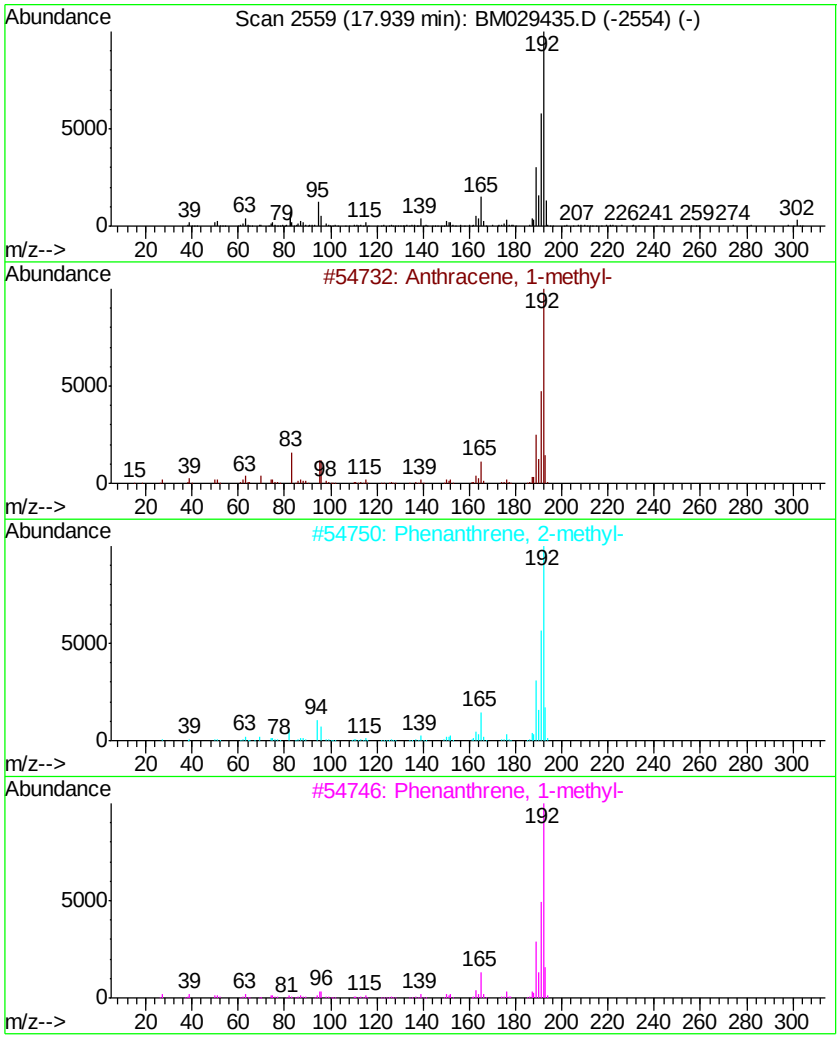
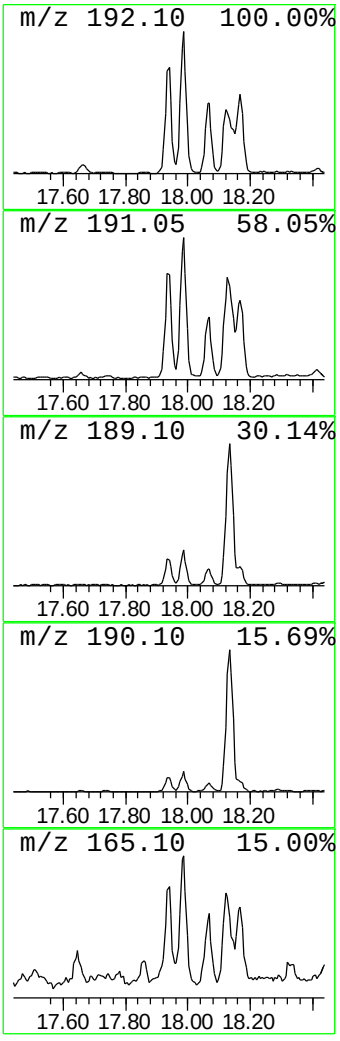
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.11 ng/ul	252242	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Quant Title : SVOA CALIBRATION

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

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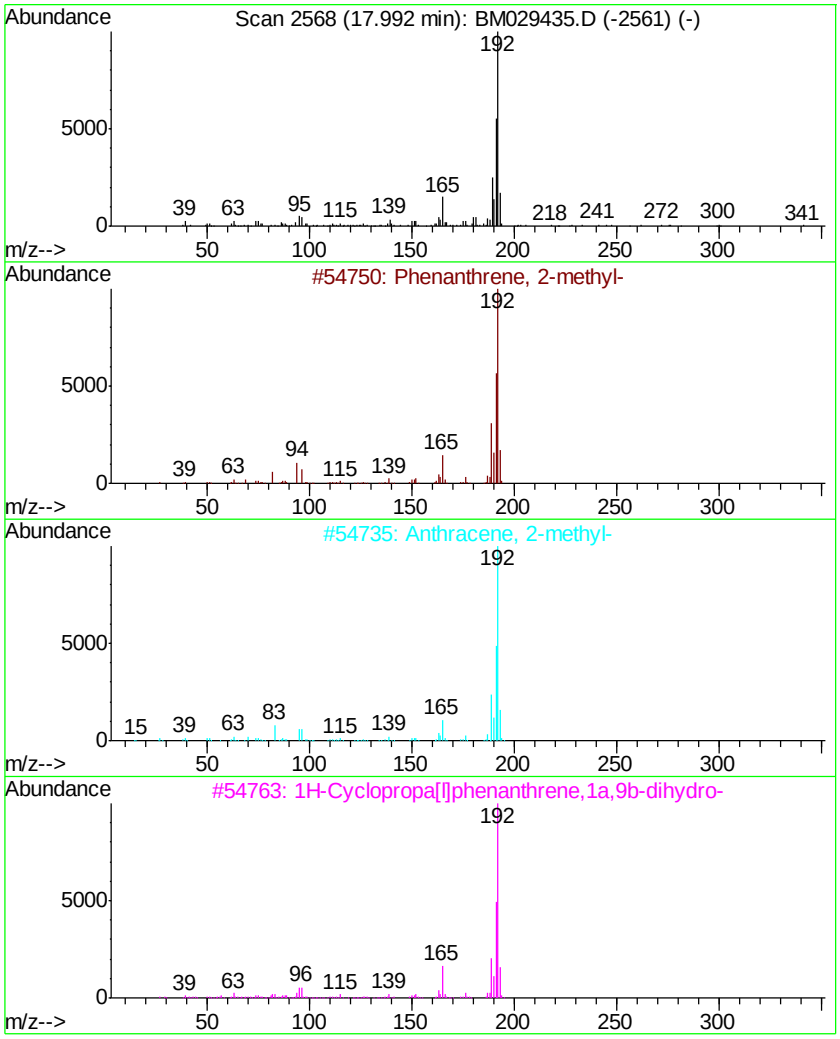
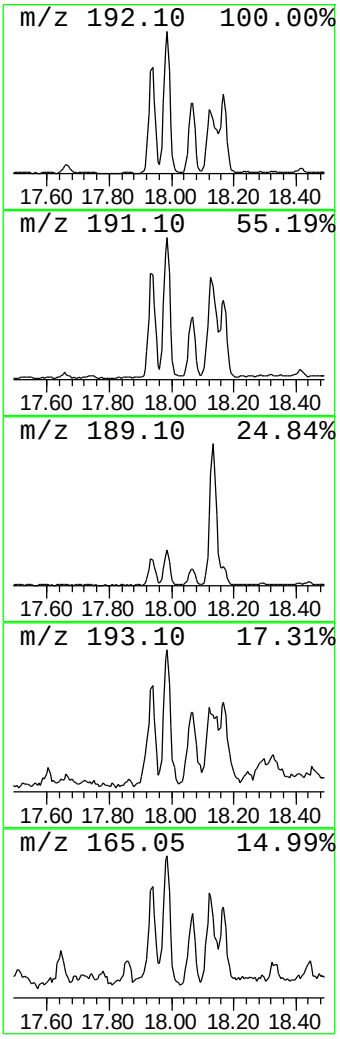
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	10.28 ng/ul	507007	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Quant Title : SVOA CALIBRATION

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

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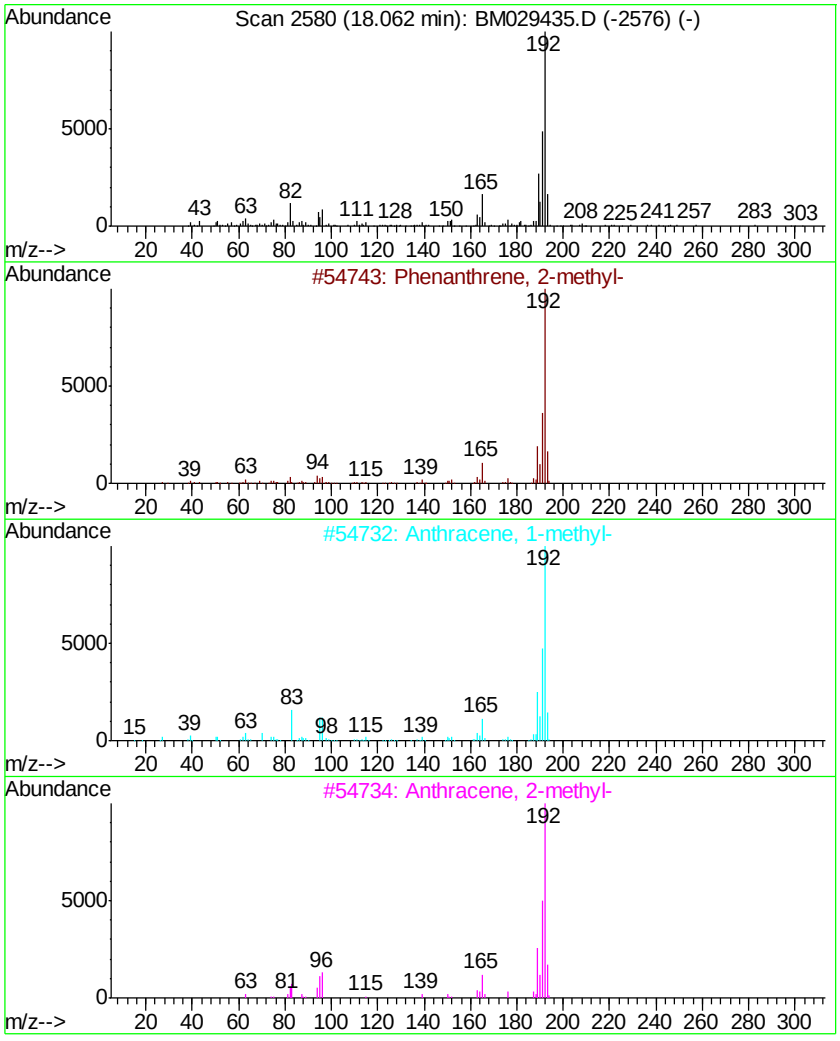
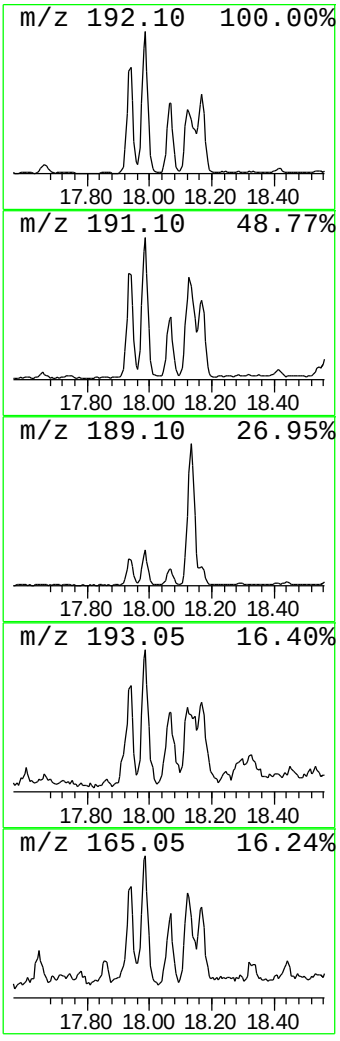
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.55 ng/ul	175081	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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

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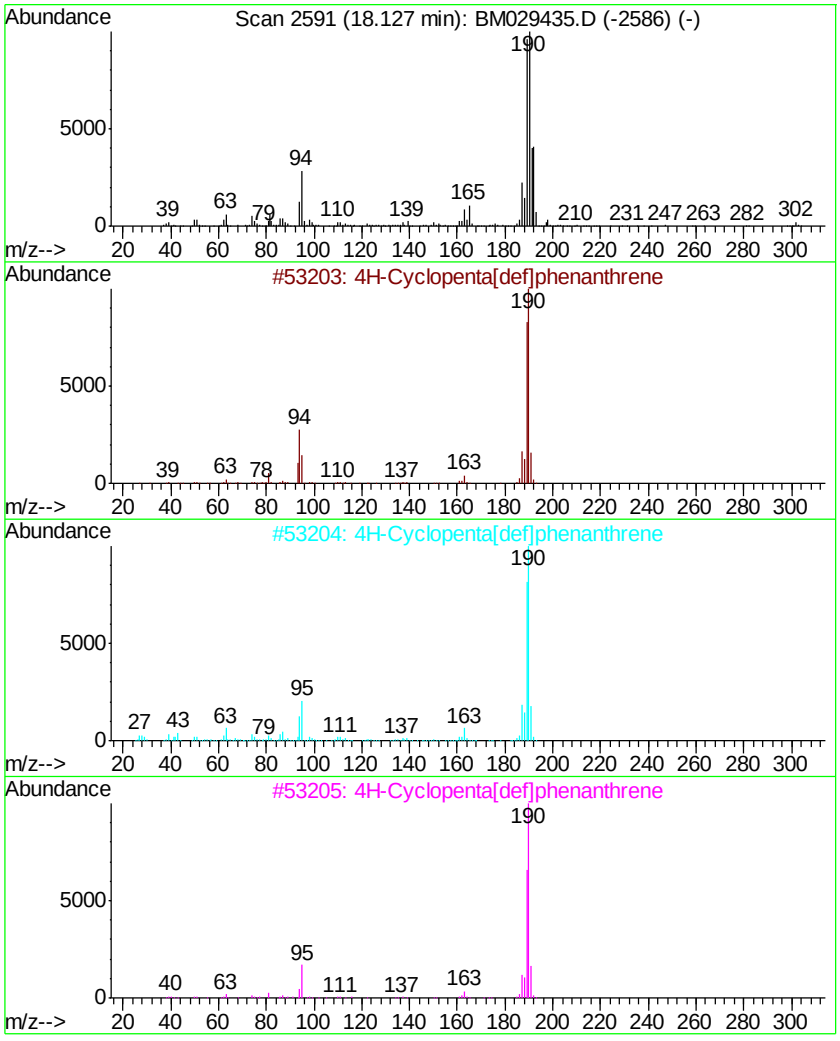
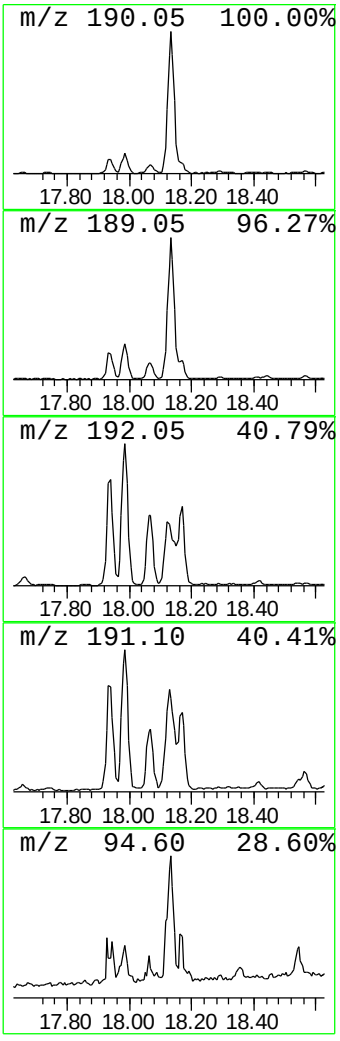
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	13.92 ng/ul	686605	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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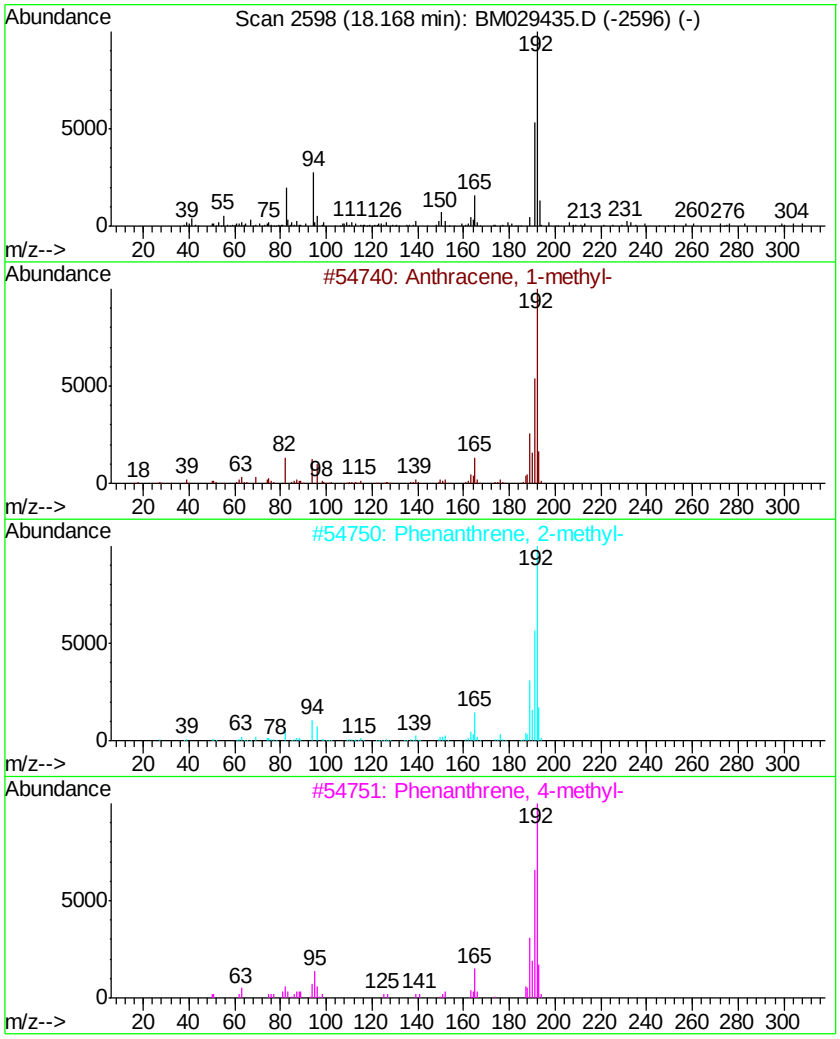
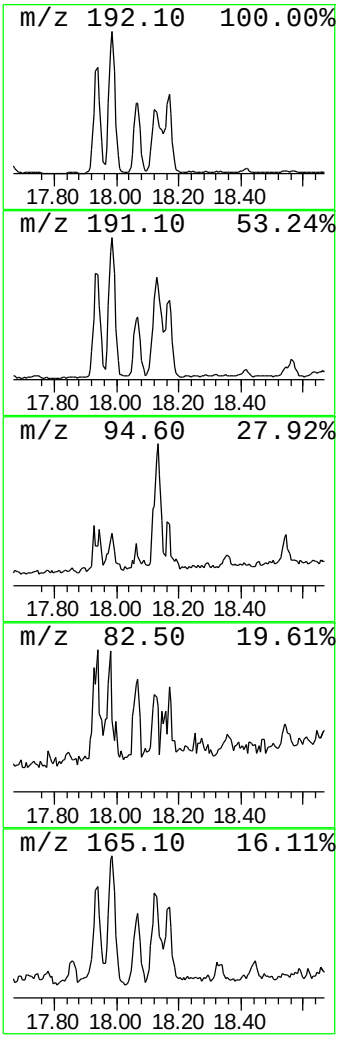
Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.72 ng/ul	183537	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	62





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

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Peak Number 16 9,10-di(Chloromethyl)anthra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	5.12 ng/ul	252810	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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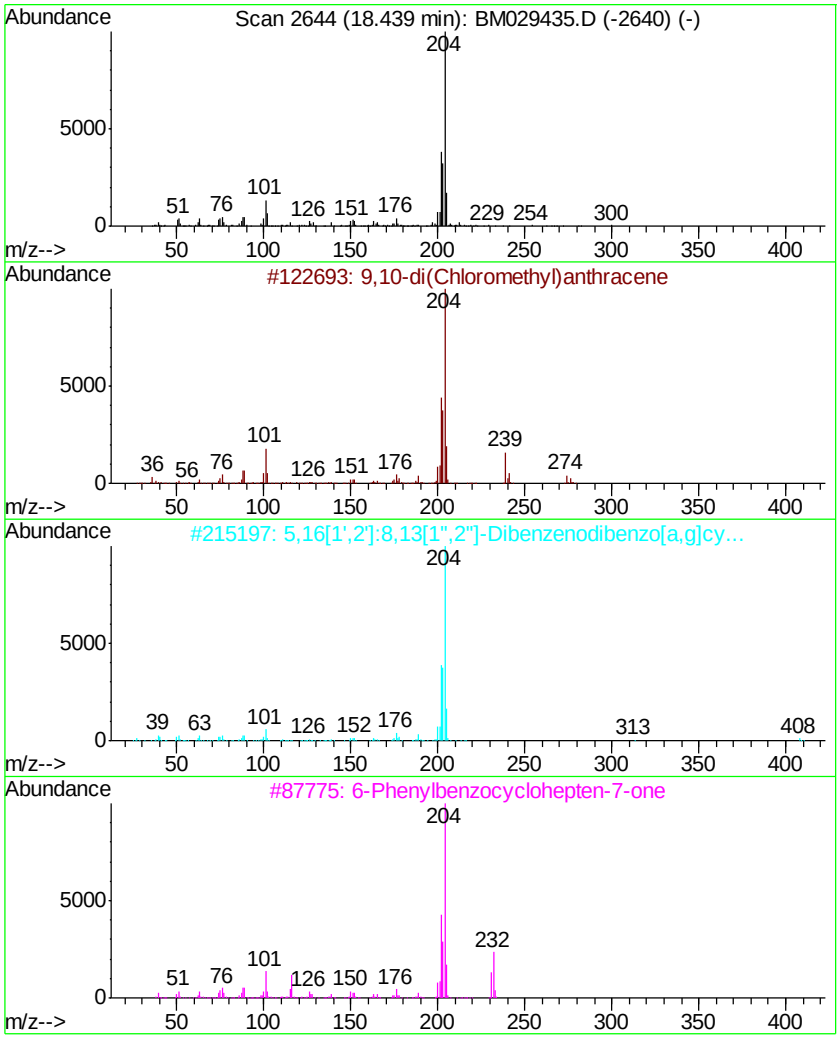

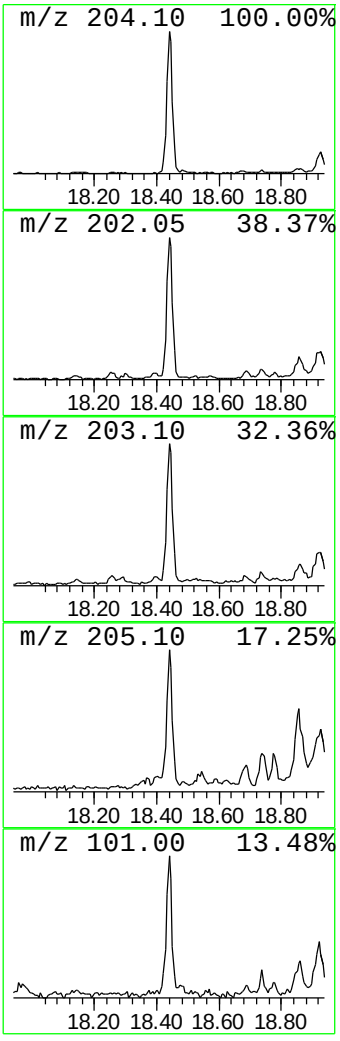

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TIC Integration Parameters: LSCINT.P

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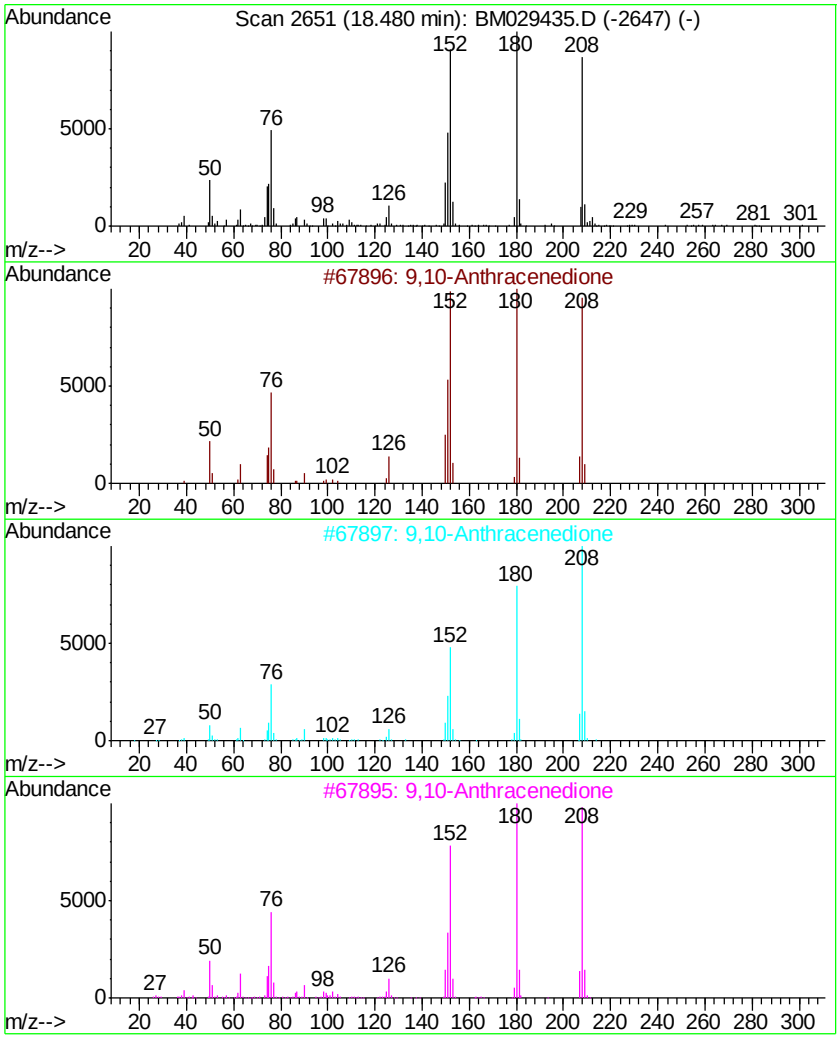
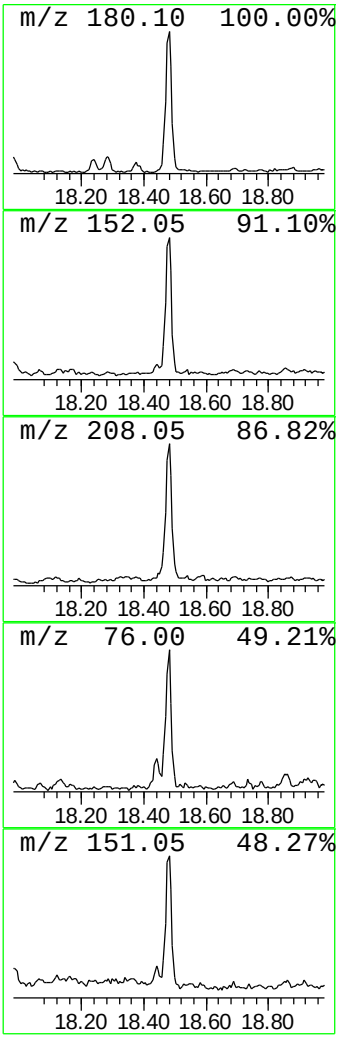
Peak Number 17 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	5.46 ng/ul	269541	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





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Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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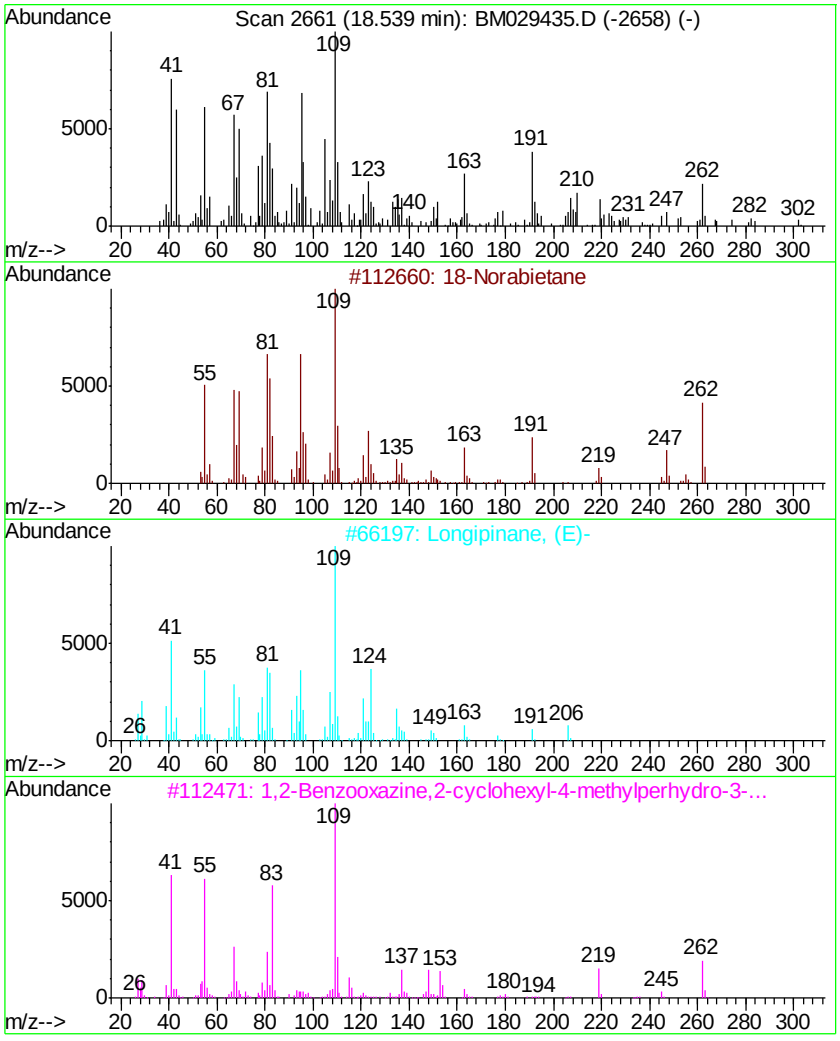
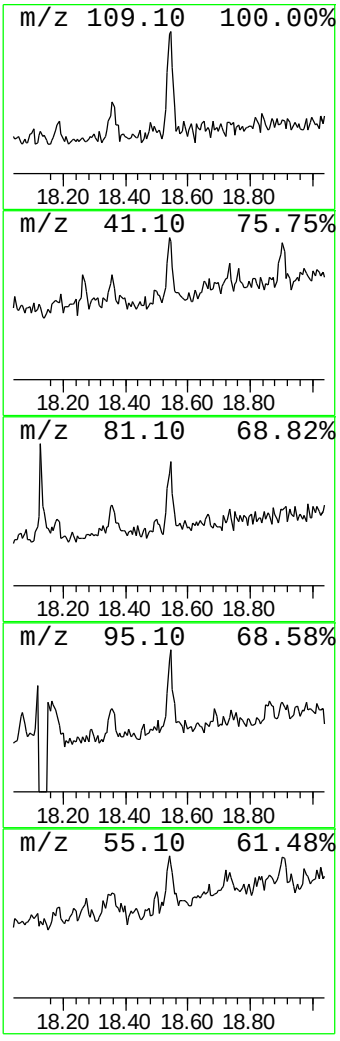
Peak Number 18 18-Norabietane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.63 ng/ul	129678	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	70
2	Longipinane, (E)-	206	C15H26	1000156-14-5	43
3	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	38
4	2H-1,2,3-Triazole-4-carboxylic a...	207	C9H6FN3O2	051306-44-6	35
5	trans-2-Caren-4-ol	152	C10H16O	004017-82-7	27





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ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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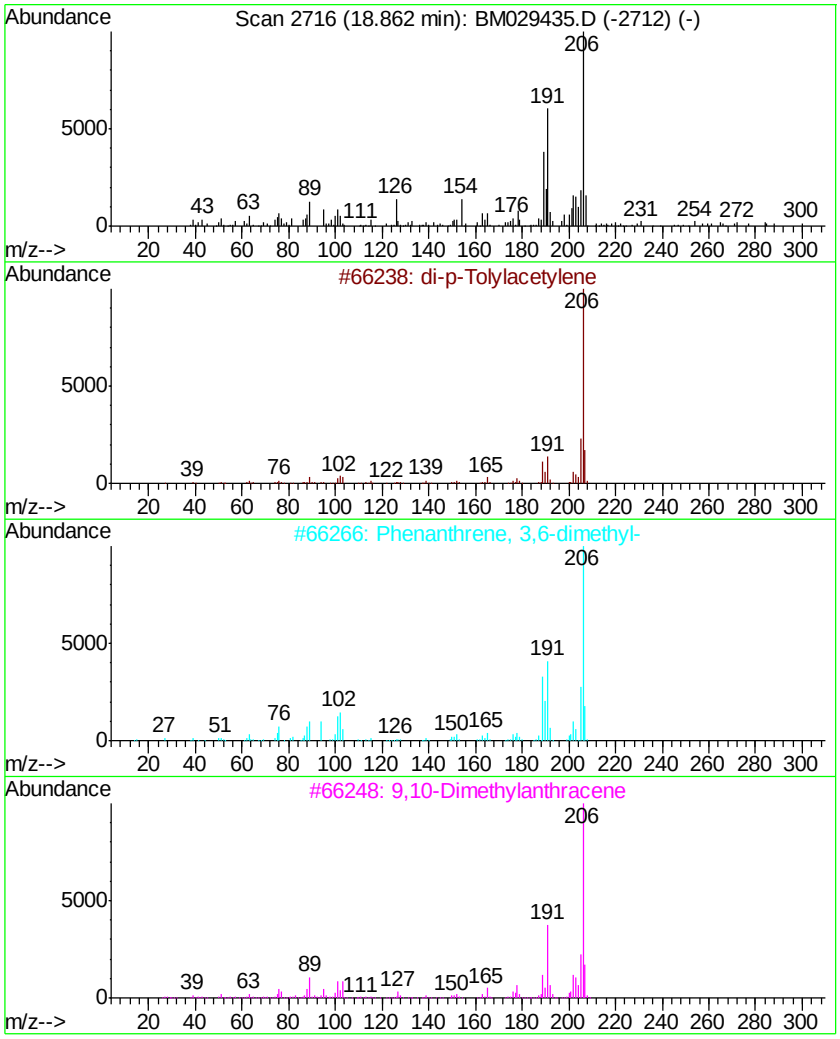
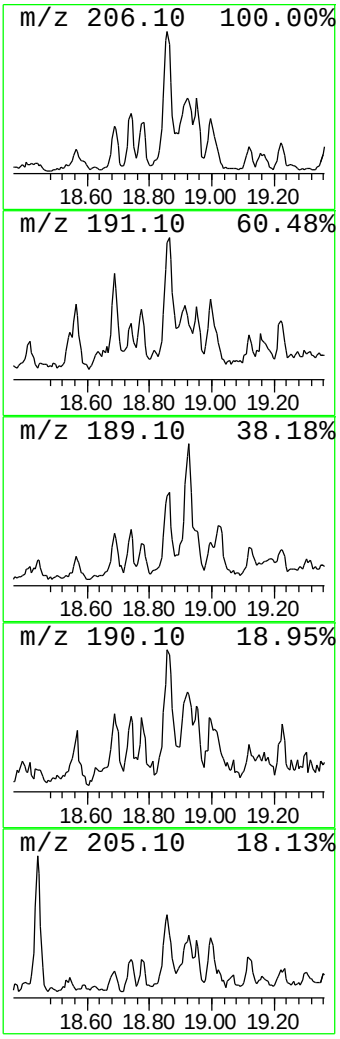
Peak Number 19 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.28 ng/ul	112684	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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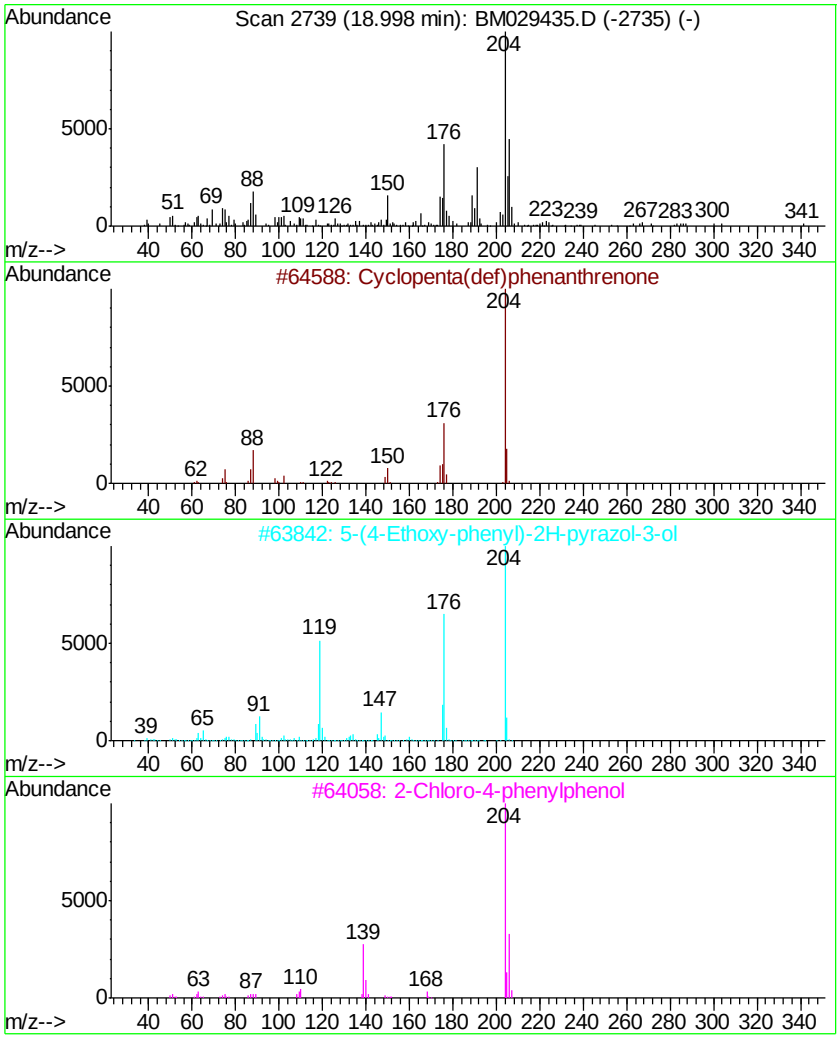
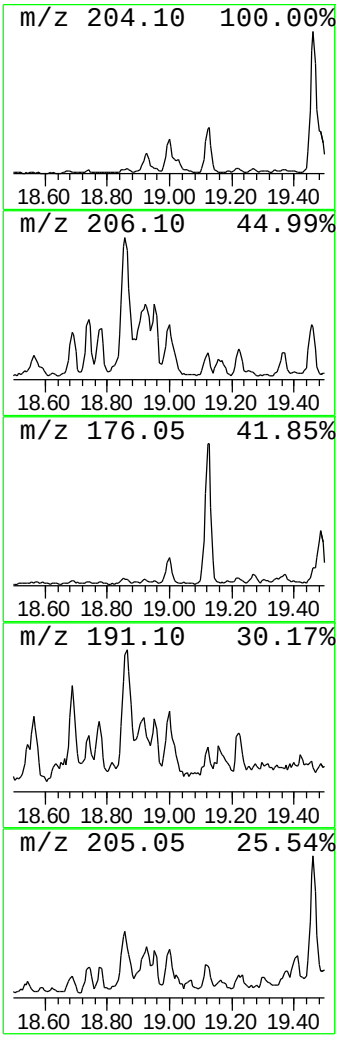
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	3.47 ng/ul	171152	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	46
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38
5	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	37





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Operator : CG/JU
Sample : M1881-12
Misc :
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Instrument : BNA_M
ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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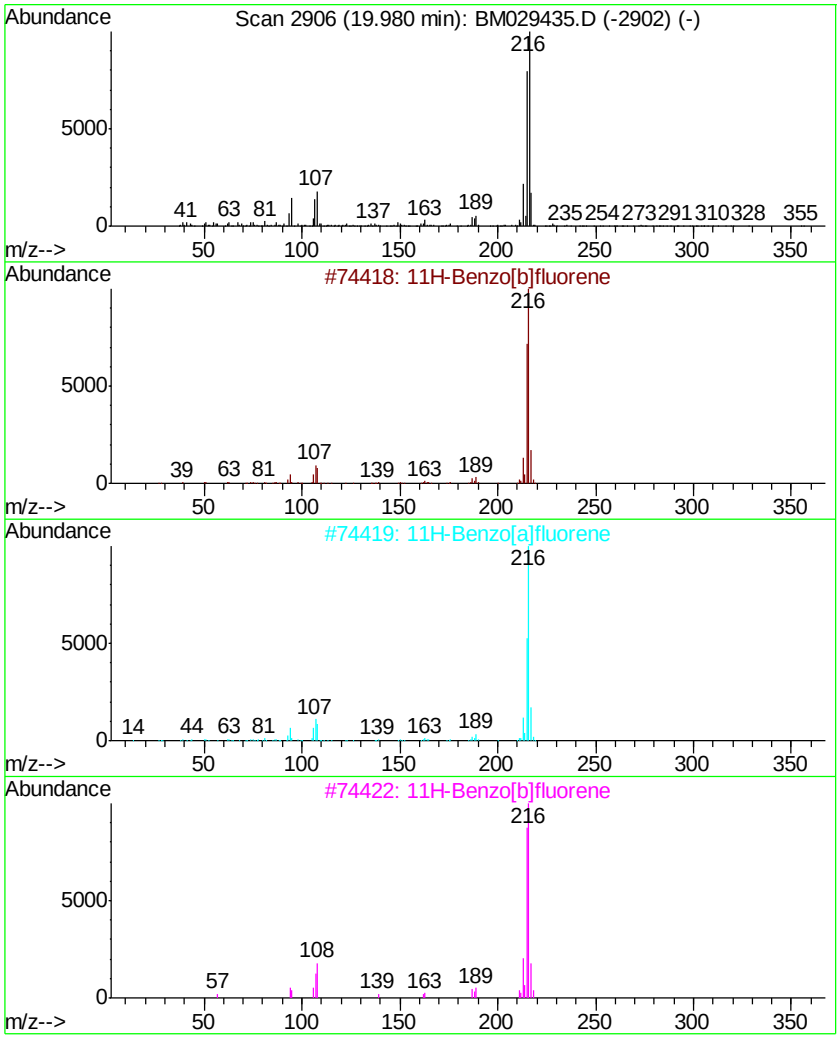
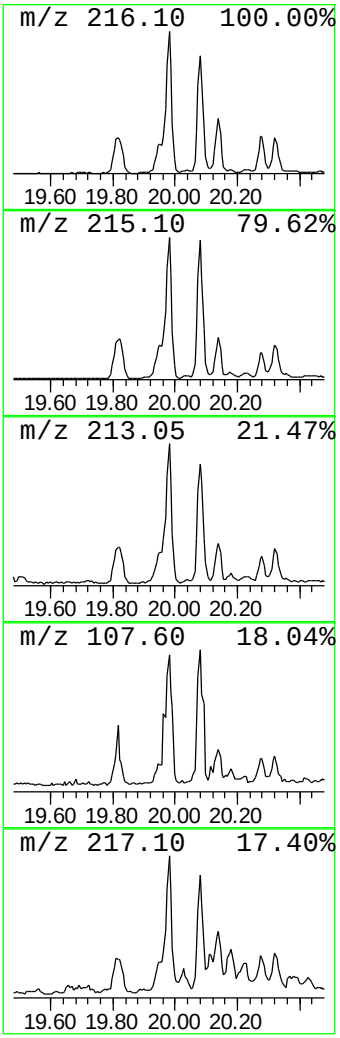
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	3.39 ng/ul	537779	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

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Quant Title : SVOA CALIBRATION

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

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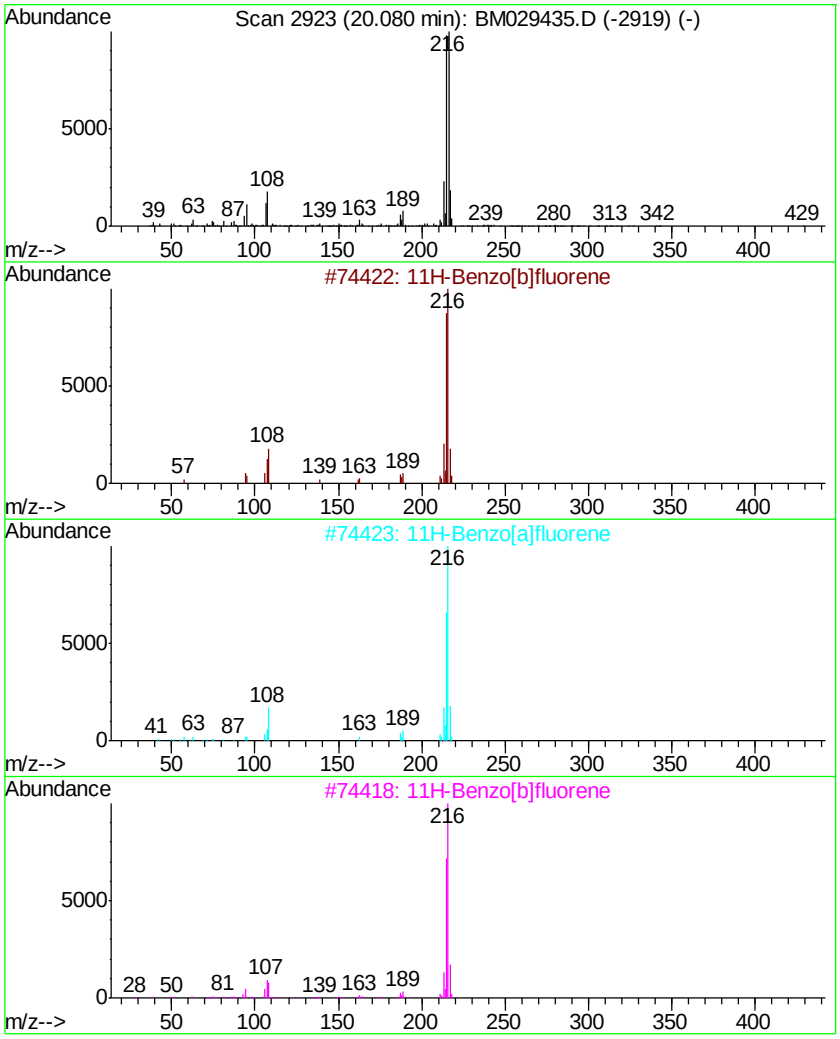
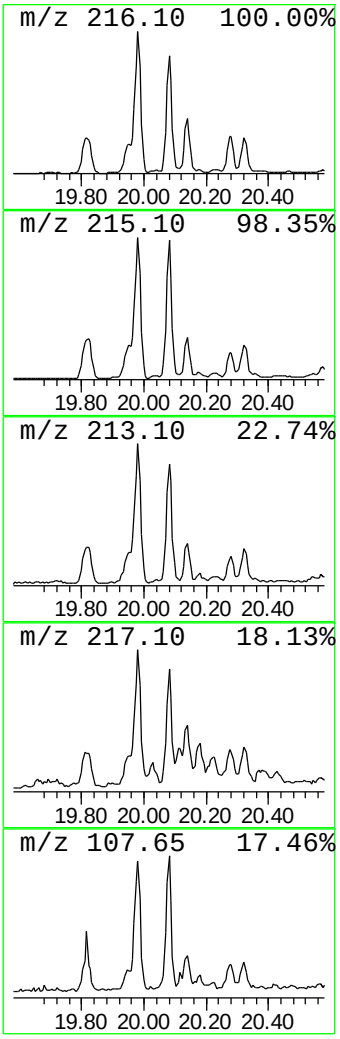
Peak Number 22 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.63 ng/ul	417156	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Library Search Compound Report

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Acq On : 09 Apr 2021 17:23
Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

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

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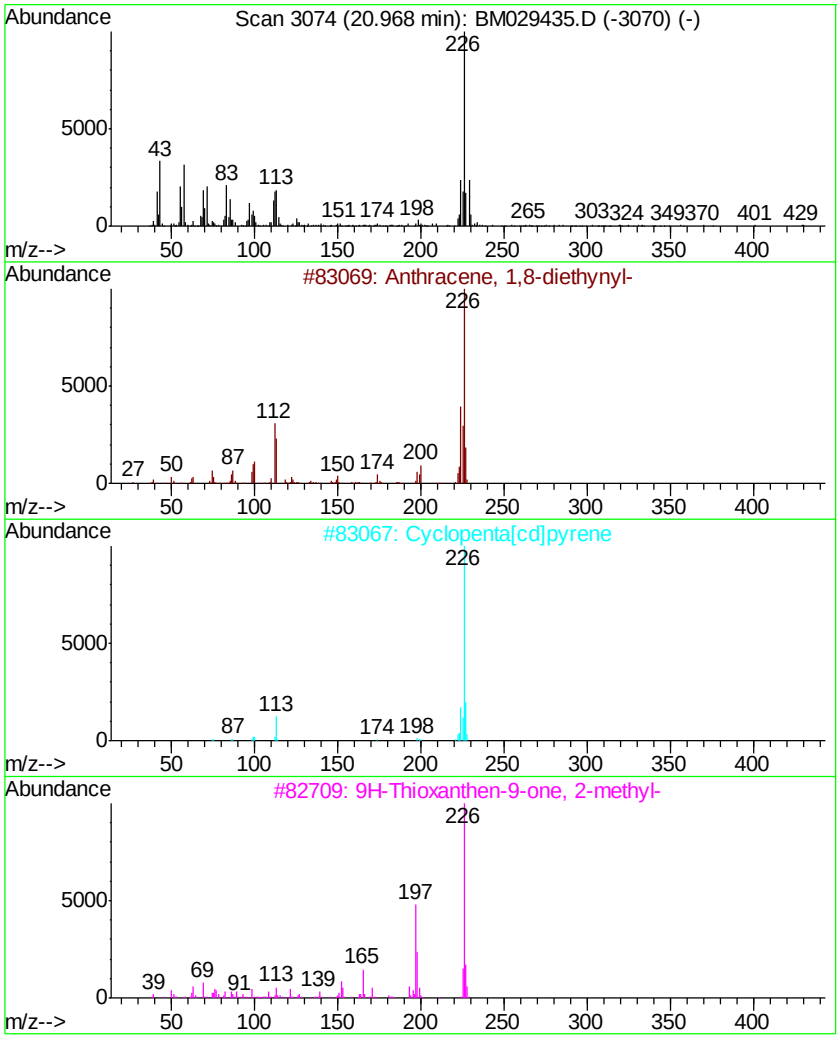
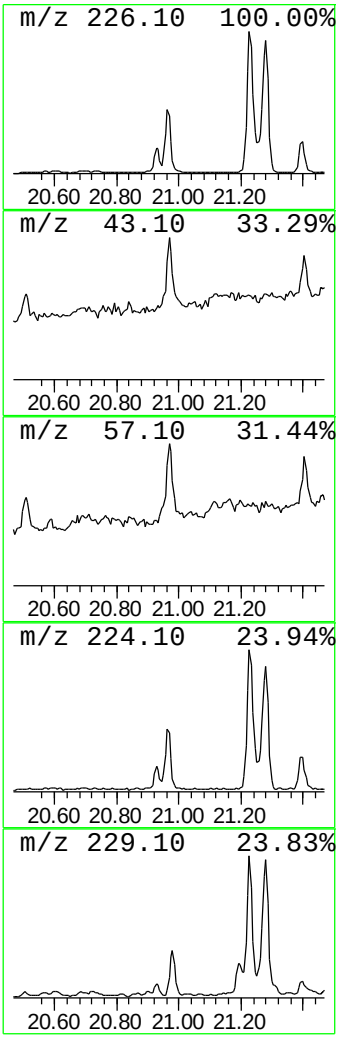
Peak Number 23 Anthracene, 1,8-diethynyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.84 ng/ul	449573	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	52
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
4	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	47
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47





Library Search Compound Report

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Sample : M1881-12
Misc :
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Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

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

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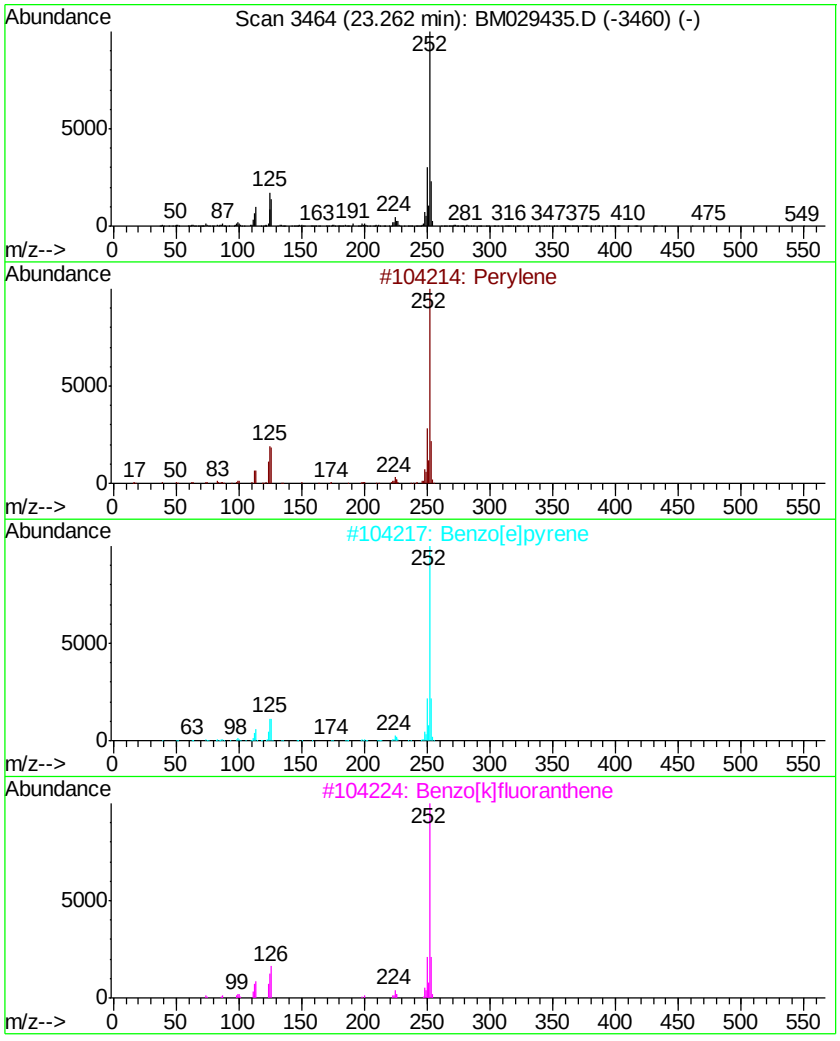
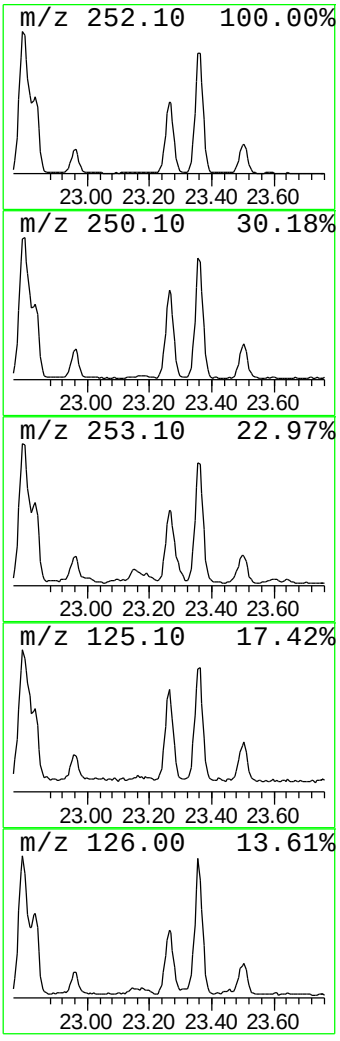
Peak Number 24 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	17.07 ng/ul	751746	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	97
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

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Operator : CG/JU
Sample : M1881-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQG9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.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...	2.93	153.3	ng/ul	4917250	1	7.69	641442	20.0
Methacrylamide	3.70	2.3	ng/ul	75085	1	7.69	641442	20.0
unknown-01	4.82	2.0	ng/ul	64895	1	7.69	641442	20.0
Dibenzofuran, 4-m...	15.66	2.2	ng/ul	108117	3	14.32	975675	20.0
2,4,6-Cycloheptat...	15.82	2.8	ng/ul	139531	4	17.06	986644	20.0
(DEL) Alkane: Str...	16.05	2.9	ng/ul	142981	4	17.06	986644	20.0
9H-Fluorene, 1-me...	16.37	2.1	ng/ul	104235	4	17.06	986644	20.0
2,4,6-Trimethoxyb...	16.80	2.2	ng/ul	109628	4	17.06	986644	20.0
Dibenzothiophene	16.88	5.9	ng/ul	289523	4	17.06	986644	20.0
Acridine	17.26	2.5	ng/ul	125456	4	17.06	986644	20.0
Anthracene, 1-met...	17.94	5.1	ng/ul	252242	4	17.06	986644	20.0
Phenanthrene, 2-m...	17.99	10.3	ng/ul	507007	4	17.06	986644	20.0
Anthracene, 2-met...	18.06	3.5	ng/ul	175081	4	17.06	986644	20.0
4H-Cyclopenta[def...	18.13	13.9	ng/ul	686605	4	17.06	986644	20.0
Phenanthrene, 4-m...	18.17	3.7	ng/ul	183537	4	17.06	986644	20.0
9,10-di(Chloromet...	18.44	5.1	ng/ul	252810	4	17.06	986644	20.0
9,10-Anthracenedione	18.48	5.5	ng/ul	269541	4	17.06	986644	20.0
18-Norabietane	18.54	2.6	ng/ul	129678	4	17.06	986644	20.0
di-p-Tolylacetylene	18.86	2.3	ng/ul	112684	4	17.06	986644	20.0
Cyclopenta(def)ph...	19.00	3.5	ng/ul	171152	4	17.06	986644	20.0
11H-Benzo[b]fluorene	19.98	3.4	ng/ul	537779	5	21.24	3170680	20.0
11H-Benzo[a]fluorene	20.08	2.6	ng/ul	417156	5	21.24	3170680	20.0
Anthracene, 1,8-d...	20.97	2.8	ng/ul	449573	5	21.24	3170680	20.0
Perylene	23.26	17.1	ng/ul	751746	6	23.46	880997	20.0