LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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	2.928	3	7	14	rBV	1985677	2295676	72.02%	6.493%
2	3.193	49	52	57	rVB3	11171	16485	0.52%	0.047%
3	3.705	135	139	147	rVB	31006	44373	1.39%	0.125%
4	3.822	155	159	166	rVB	16951	29495	0.93%	0.083%
5	3.916	171	175	179	rVB	21270	28176	0.88%	0.080%
6	4.822	325	329	340	rVB2	16054	31702	0.99%	0.090%
7	5.352	413	419	421	rBV2	22764	36560	1.15%	0.103%
8	5.716	474	481	485	rBV2	16679	28844	0.90%	0.082%
9	6.857	667	675	690	rBV	206869	377058	11.83%	1.066%
10	7.028	698	704	716	rBV	138444	239677	7.52%	0.678%
11	7.222	730	737	747	rVV	208123	341818	10.72%	0.967%
12	7.334	750	756	764	rVB7	7282	16925	0.53%	0.048%
13	7.687	809	816	824	rVV	480659	739469	23.20%	2.091%
14	8.387	930	935	944	rVV	213808	349842	10.98%	0.989%
15	8.510	952	956	960	rVB2	11265	17135	0.54%	0.048%
16	8.787	993	1003	1006	rBV5	10737	21204	0.67%	0.060%
17	8.840	1006	1012	1023	rVV	169605	301051	9.44%	0.851%
18	9.028	1035	1044	1053	rVB10	11595	36982	1.16%	0.105%
19	9.163	1062	1067	1075	rVB6	6346	13505	0.42%	0.038%
20	9.269	1079	1085	1088	rBV7	9261	17960	0.56%	0.051%
21	9.310	1088	1092	1097	rVV2	18167	32831	1.03%	0.093%
22	9.369	1097	1102	1112	rVB8	13099	38035	1.19%	0.108%
23	9.557	1124	1134	1143	rBV2	146870	269826	8.47%	0.763%
24	9.657	1146	1151	1154	rVV5	8673	15228	0.48%	0.043%
25	9.869	1183	1187	1191	rBV5	10092	15966	0.50%	0.045%
26	9.945	1191	1200	1207	rVB6	15906	37062	1.16%	0.105%
27	10.086	1217	1224	1234	rVB	212765	369556	11.59%	1.045%
28	10.175	1234	1239	1243	rBV	19843	32361	1.02%	0.092%
29	10.469	1278	1289	1294	rBV	583855	1018866	31.97%	2.882%
30	10.516	1294	1297	1300	rVB	19897	25983	0.82%	0.073%
31	10.604	1306	1312	1323	rBV	94219	210291	6.60%	0.595%
32	10.686	1323	1326	1333	rVB2	14139	21924	0.69%	0.062%
33	10.963	1368	1373	1379	rVB6	9073	15562	0.49%	0.044%
34	11.145	1398	1404	1407	rVV6	8225	15189	0.48%	0.043%

LSC Area Percent Report

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Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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	11.316	1427	1433	1439	rBV10	5515	14776	0.46%	0.042%
36	11.757	1499	1508	1511	rVV8	12902	24964	0.78%	0.071%
37	11.798	1511	1515	1524	rVB5	12710	25828	0.81%	0.073%
38	11.904	1529	1533	1540	rVB9	5880	14407	0.45%	0.041%
39	11.998	1543	1549	1553	rBV4	24450	40798	1.28%	0.115%
40	12.269	1591	1595	1599	rBV3	18135	28710	0.90%	0.081%
41	12.351	1604	1609	1613	rBV6	12645	22478	0.71%	0.064%
42	12.680	1659	1665	1667	rBV6	9709	19442	0.61%	0.055%
43	12.763	1676	1679	1684	rVB6	9386	14153	0.44%	0.040%
44	13.133	1739	1742	1743	rBV2	15873	15858	0.50%	0.045%
45	13.645	1823	1829	1832	rBV7	10136	19670	0.62%	0.056%
46	13.733	1838	1844	1849	rBV	350333	491856	15.43%	1.391%
47	13.780	1849	1852	1857	rVB	27182	39171	1.23%	0.111%
48	13.863	1861	1866	1872	rBV7	15072	31775	1.00%	0.090%
49	14.010	1882	1891	1900	rBV	372092	594893	18.66%	1.683%
50	14.157	1913	1916	1924	rVB8	16836	34002	1.07%	0.096%
51	14.227	1924	1928	1935	rBV9	8201	16629	0.52%	0.047%
52	14.322	1937	1944	1951	rVV	803096	1163570	36.50%	3.291%
53	14.386	1951	1955	1960	rVB	61824	83236	2.61%	0.235%
54	14.522	1971	1978	1991	rBV2	78269	153836	4.83%	0.435%
55	14.721	2007	2012	2016	rBV	30869	48455	1.52%	0.137%
56	15.116	2074	2079	2082	rBV6	7496	13132	0.41%	0.037%
57	15.316	2107	2113	2118	rBV	473315	664938	20.86%	1.881%
58	15.368	2118	2122	2127	rVV	89720	122114	3.83%	0.345%
59	15.433	2129	2133	2137	rVV3	30362	47364	1.49%	0.134%
60	15.539	2146	2151	2156	rBV5	13707	24129	0.76%	0.068%
61	15.663	2168	2172	2180	rVB	18919	31865	1.00%	0.090%
62	15.810	2191	2197	2205	rBV4	20858	40511	1.27%	0.115%
63	16.045	2233	2237	2244	rVV8	17571	34731	1.09%	0.098%
64	16.186	2253	2261	2262	rBV8	9348	17385	0.55%	0.049%
65	16.280	2273	2277	2281	rVV7	19315	26556	0.83%	0.075%
66	16.374	2287	2293	2297	rVB4	14072	27998	0.88%	0.079%
67	16.421	2297	2301	2305	rBV4	19018	25190	0.79%	0.071%
68	16.598	2329	2331	2334	rVV4	13329	18045	0.57%	0.051%
69	16.639	2336	2338	2342	rVB4	13183	15924	0.50%	0.045%
70	16.721	2348	2352	2356	rBV	23686	32837	1.03%	0.093%
71	16.880	2375	2379	2384	rVB	60883	86064	2.70%	0.243%

LSC Area Percent Report

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Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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\SOM-EPA-BM040721MA.M
Title : SVOA CALIBRATION

72	17.063	2404	2410	2413	rBV	828337	1168303	36.65%	3.304%
73	17.104	2413	2417	2422	rVV	1265304	1716378	53.85%	4.854%
74	17.163	2422	2427	2430	rVV	468383	708169	22.22%	2.003%
75	17.192	2430	2432	2438	rVB	182270	231454	7.26%	0.655%
76	17.257	2439	2443	2448	rVV	43963	70205	2.20%	0.199%
77	17.462	2474	2478	2484	rBV	75086	118626	3.72%	0.336%
78	17.639	2506	2508	2513	rBV5	24310	30952	0.97%	0.088%
79	17.939	2555	2559	2561	rBV	86581	118019	3.70%	0.334%
80	17.980	2561	2566	2573	rVB2	142222	284629	8.93%	0.805%
81	18.133	2587	2592	2595	rBV3	189176	300963	9.44%	0.851%
82	18.439	2641	2644	2647	rBV	84483	107808	3.38%	0.305%
83	18.474	2647	2650	2657	rVB2	148549	226266	7.10%	0.640%
84	19.121	2755	2760	2765	rBV	2517539	3187431	100.00%	9.015%
85	19.456	2812	2817	2818	rBV2	859670	1127016	35.36%	3.188%
86	19.486	2818	2822	2830	rVB	1782414	2532888	79.46%	7.164%
87	19.980	2902	2906	2910	rVB2	268058	351148	11.02%	0.993%
88	20.080	2920	2923	2926	rVB	207365	242605	7.61%	0.686%
89	20.892	3058	3061	3064	rVB	133287	156834	4.92%	0.444%
90	20.962	3070	3073	3078	rBV3	175810	259762	8.15%	0.735%
91	21.233	3113	3119	3123	rBV3	1311943	2552077	80.07%	7.218%
92	21.274	3123	3126	3136	rVB	919801	1276154	40.04%	3.609%
93	21.392	3143	3146	3152	rBV	214140	275607	8.65%	0.779%
94	22.792	3378	3384	3388	rBV	885879	1777860	55.78%	5.028%
95	23.262	3459	3464	3468	rBV	373907	669744	21.01%	1.894%
96	23.309	3468	3472	3475	rVV	354452	572336	17.96%	1.619%
97	23.350	3475	3479	3488	rVB	701498	1318684	41.37%	3.730%
98	23.450	3490	3496	3501	rBV2	665230	1200441	37.66%	3.395%
99	25.668	3867	3873	3882	rVB	325498	854405	26.81%	2.416%
100	26.350	3983	3989	4003	rVB2	229214	690640	21.67%	1.953%

Sum of corrected areas: 35357311

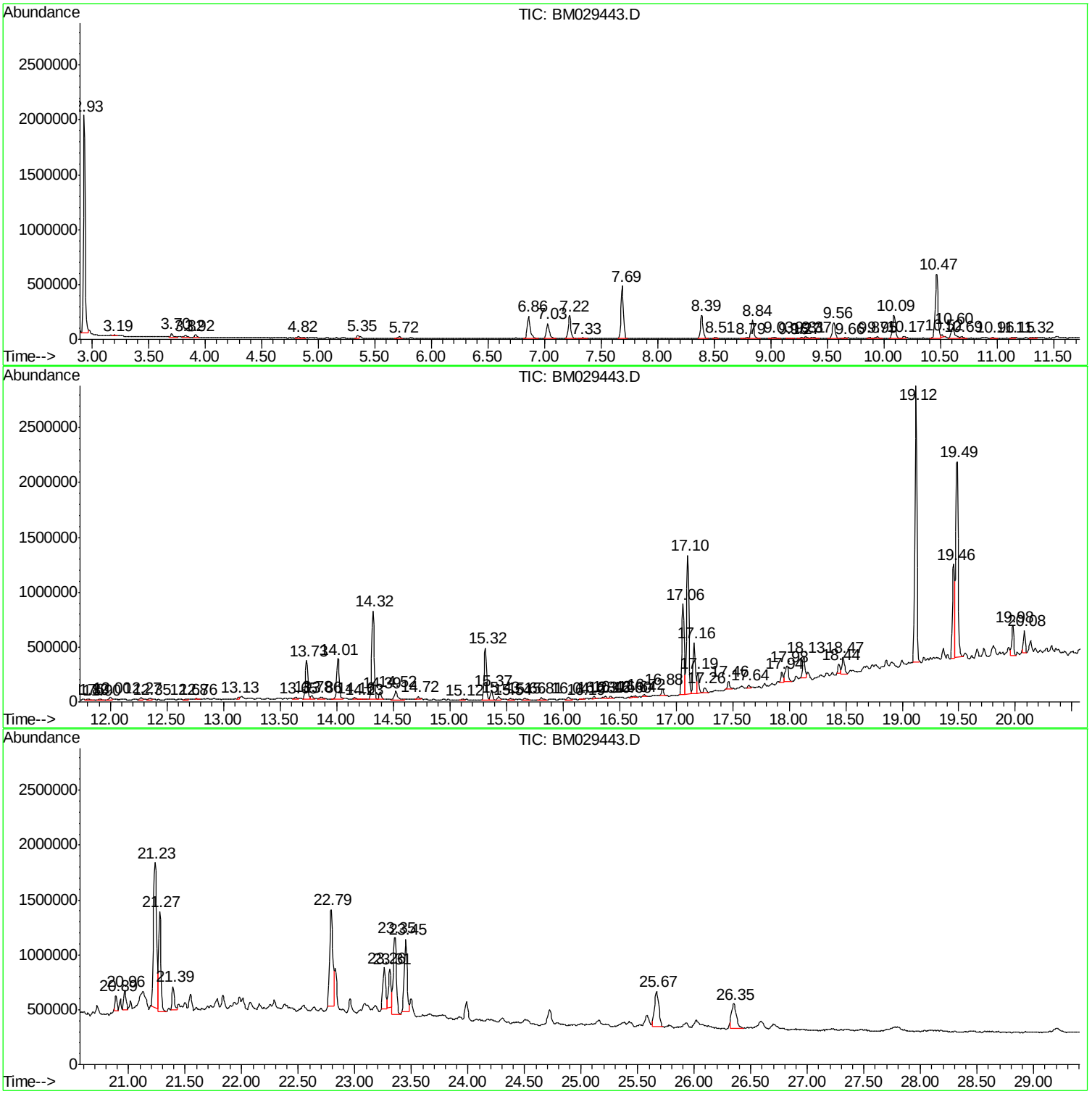
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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 : BM029443.D
Acq On : 09 Apr 2021 22:17
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

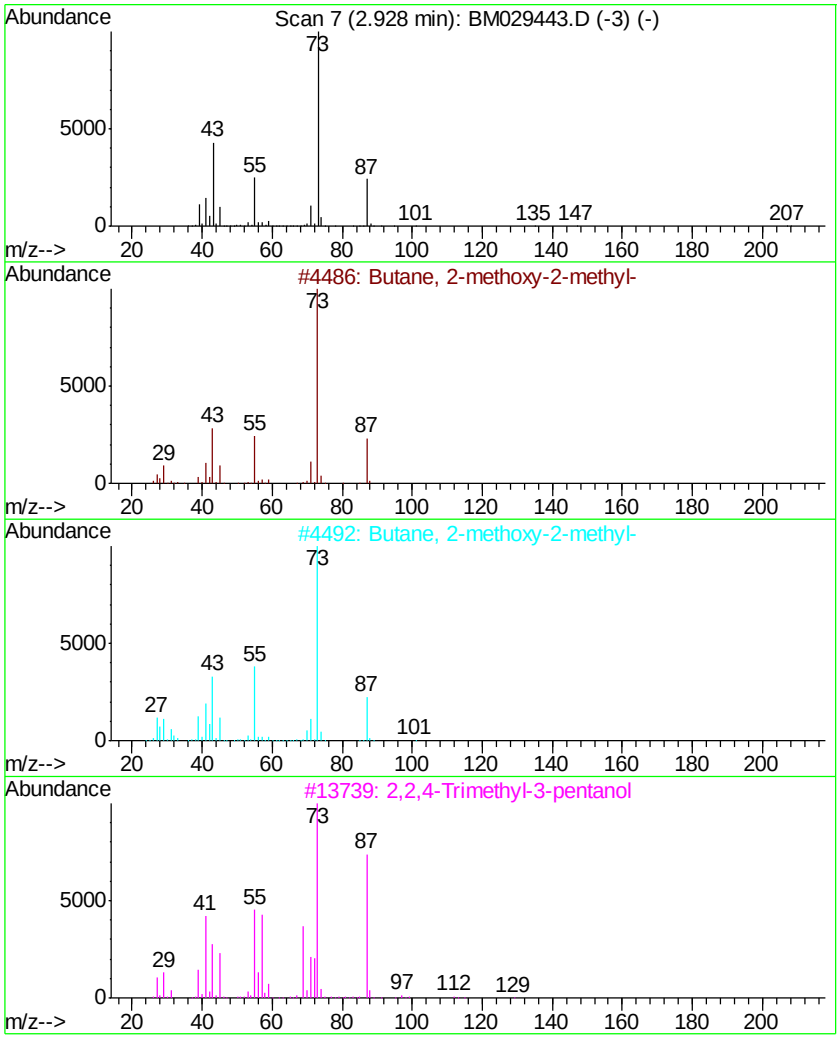
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

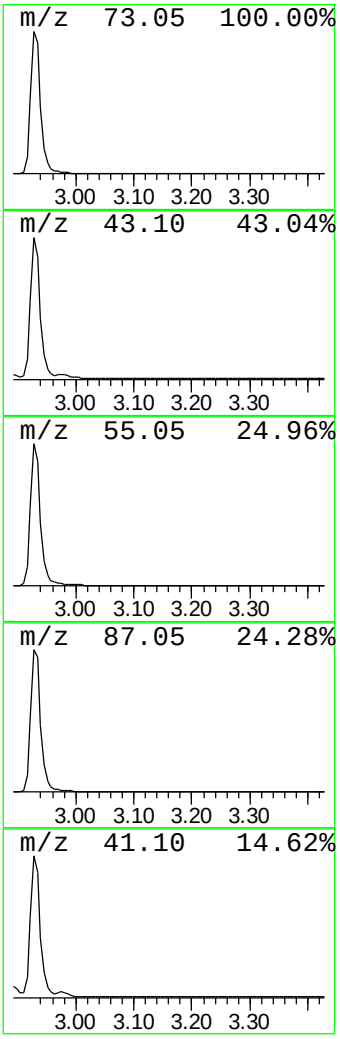
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	62.09 ng/ul	2295680	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	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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

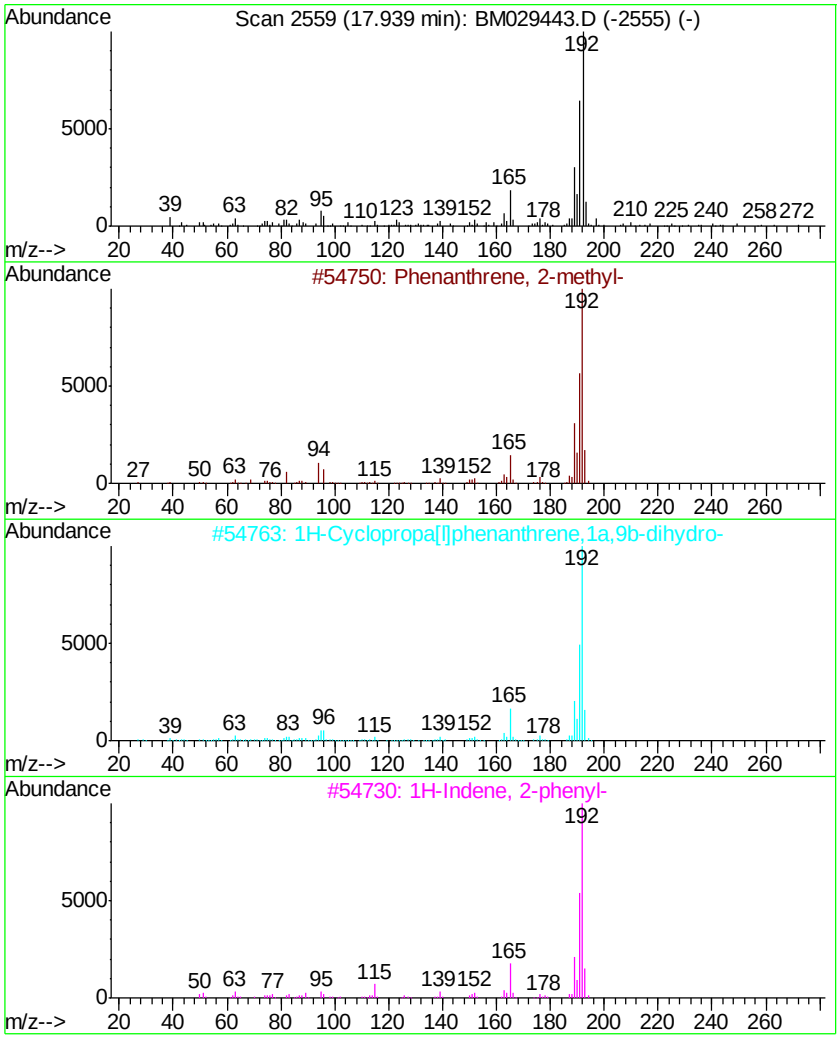
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

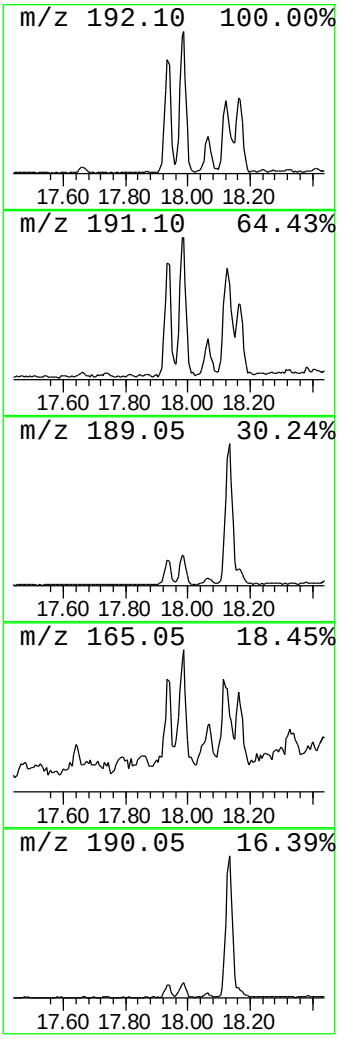
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.02 ng/ul	118019	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Instrument : BNA_M
ClientSampleId : ESQH0DL

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

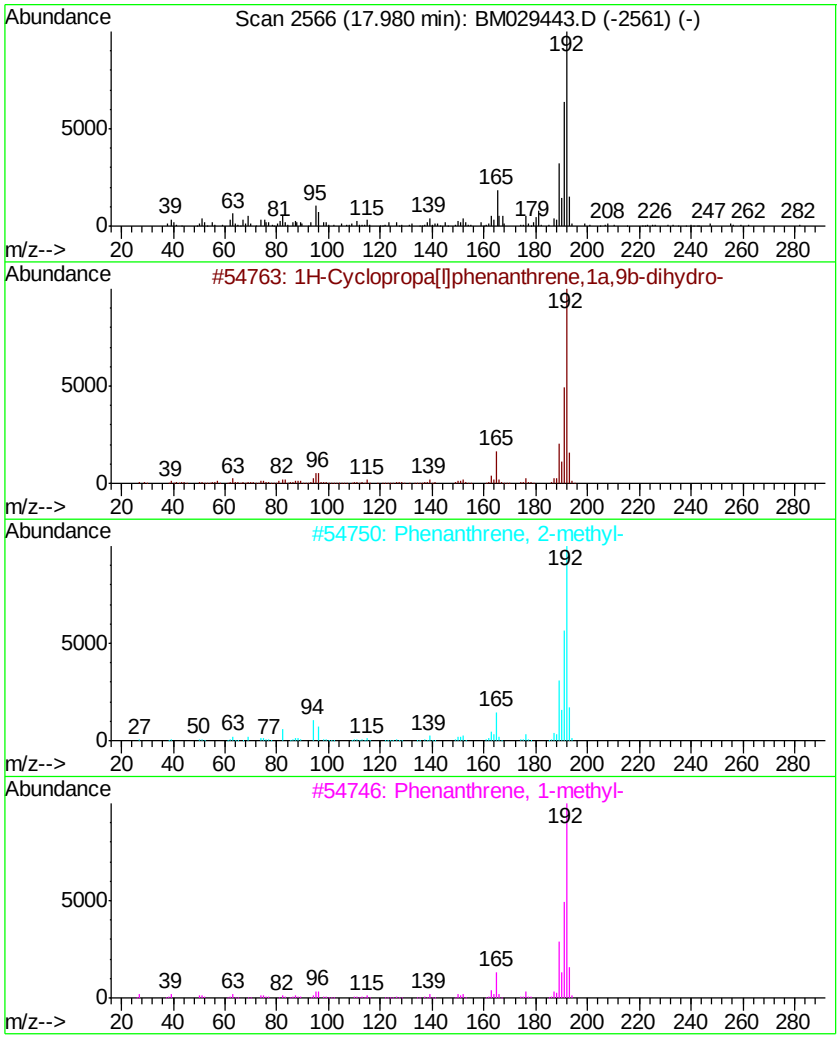
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

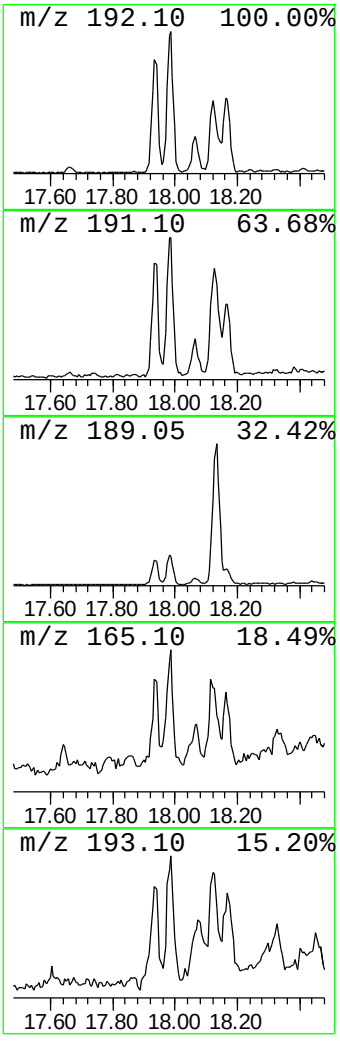
****

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	4.87 ng/ul	284629	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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

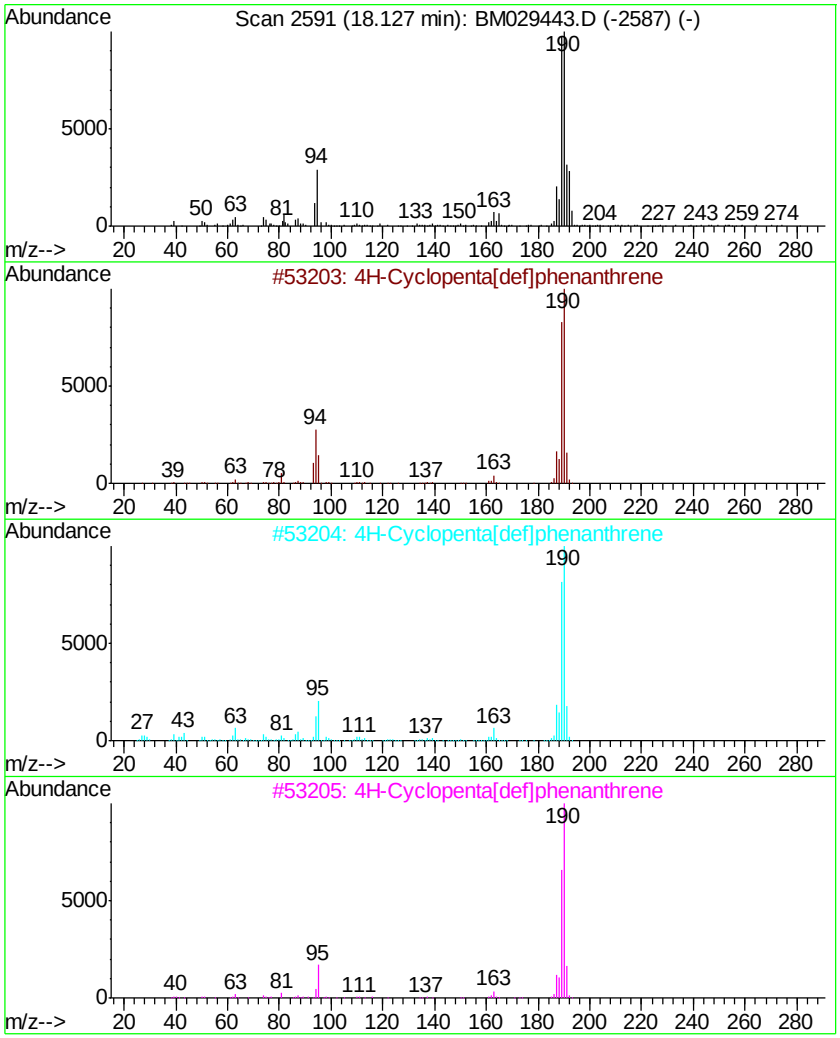
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

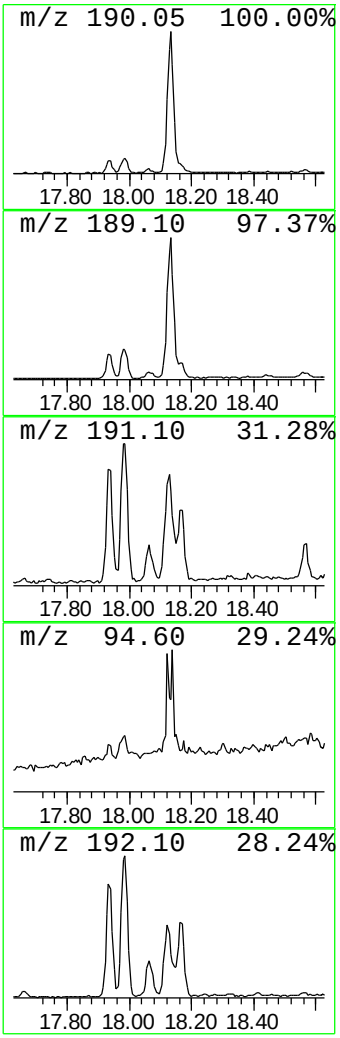
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.15 ng/ul	300963	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59





Library Search Compound Report

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Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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

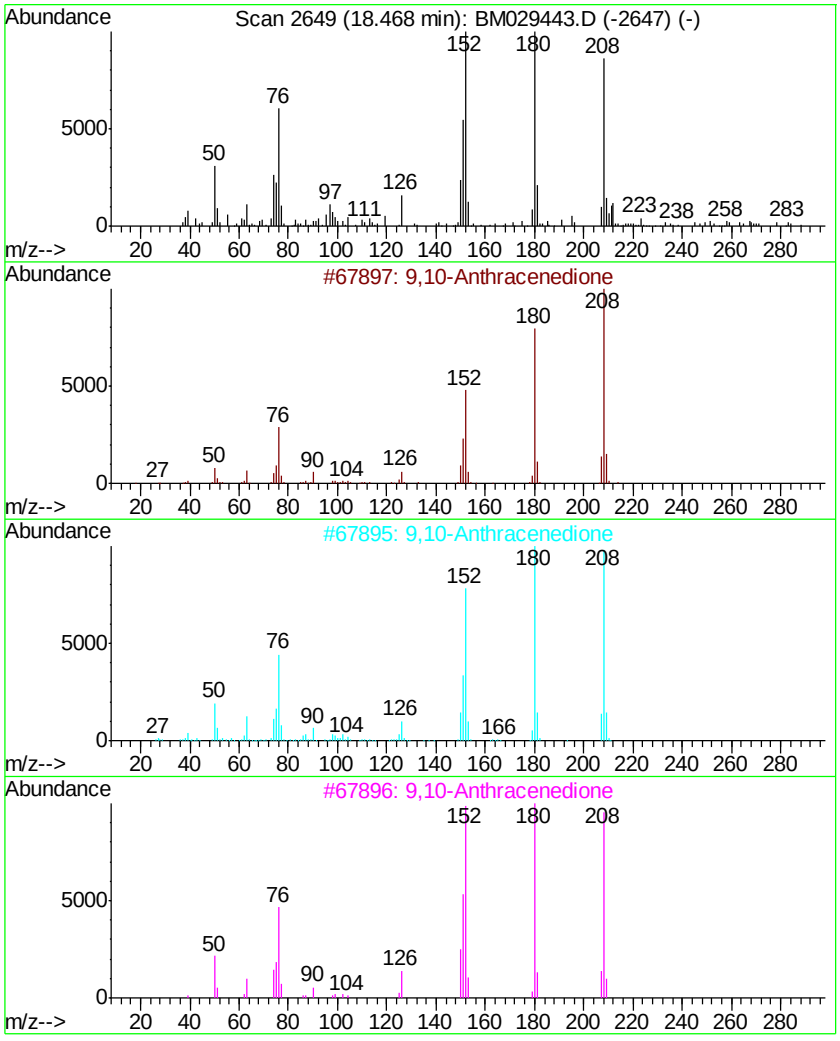
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

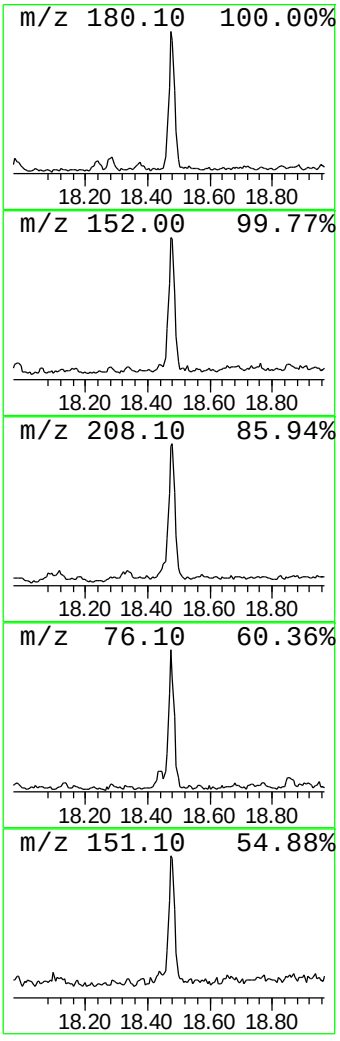
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.87 ng/ul	226266	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	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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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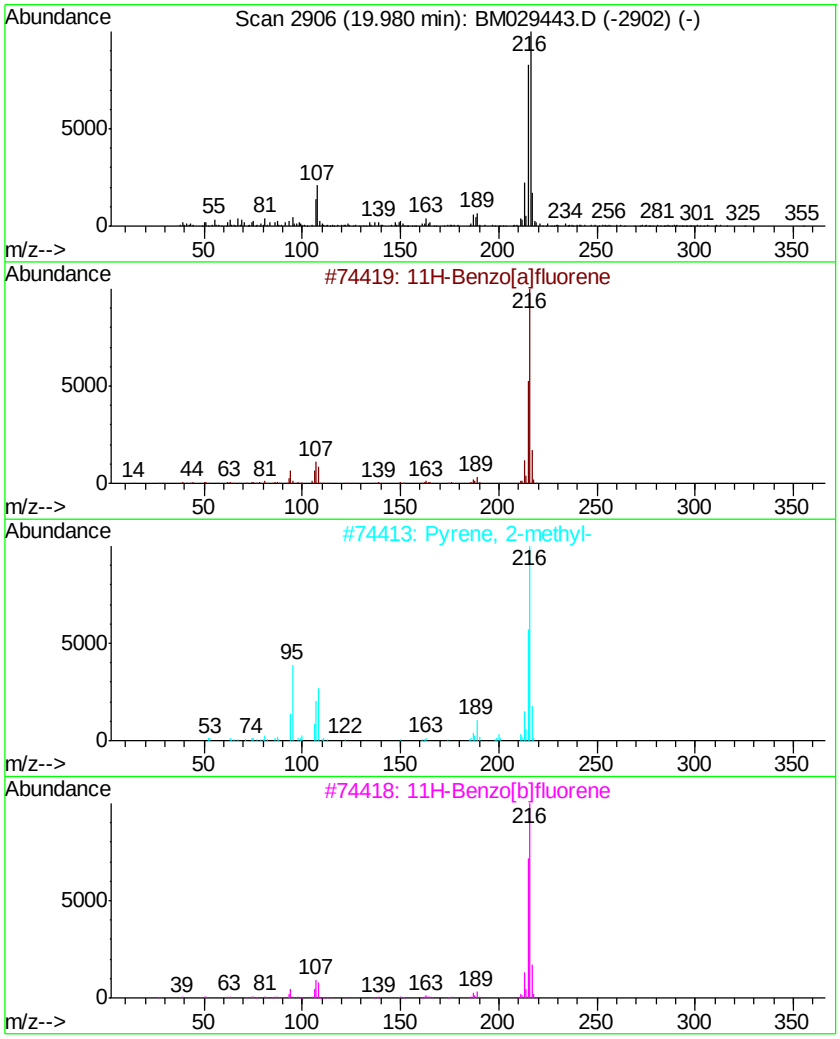
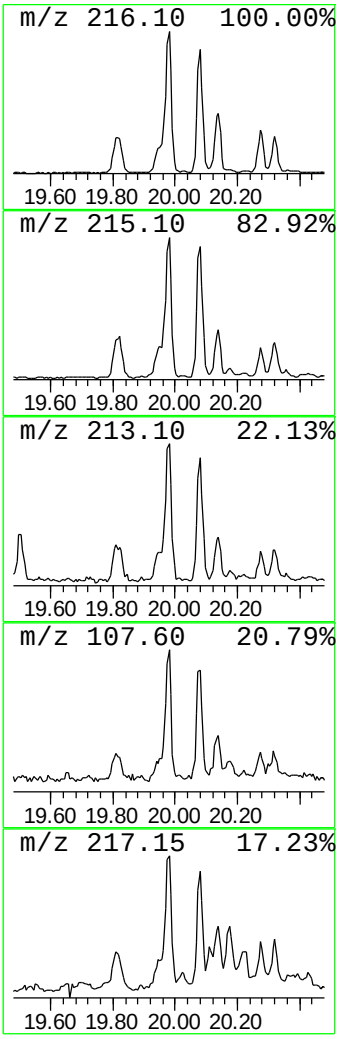
Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.75 ng/ul	351148	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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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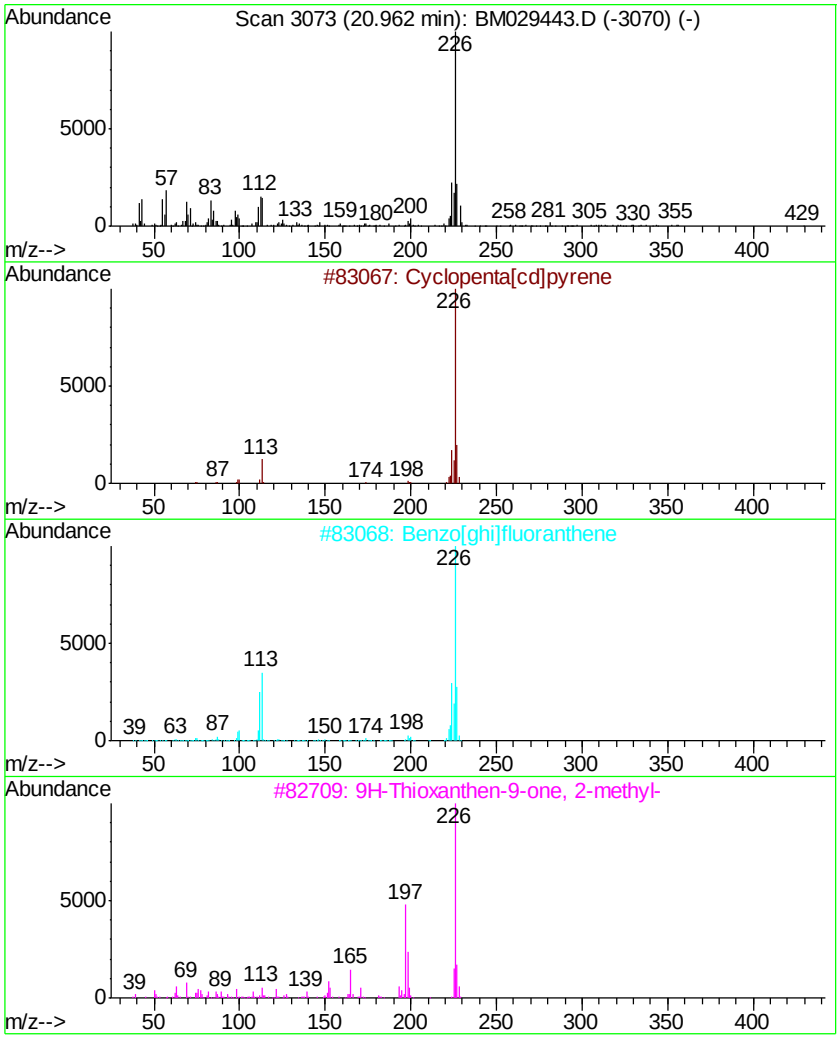
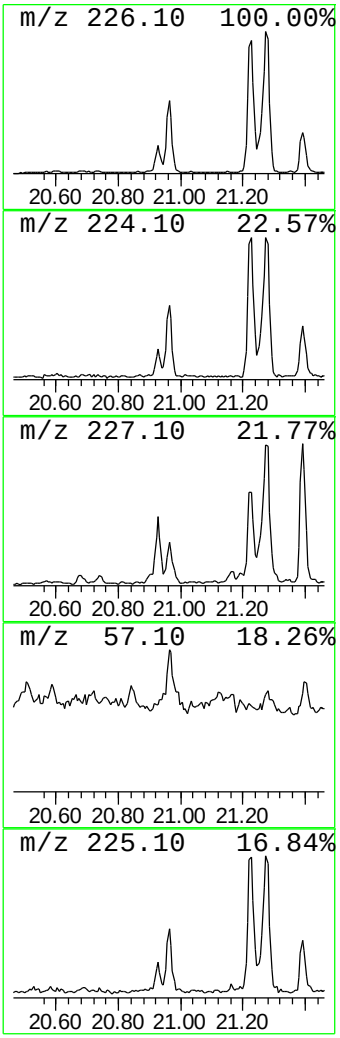
Peak Number 7 Cyclopenta[cd]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.04 ng/ul	259762	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
5	Isonipecotic acid, N-(3-methylbu...	311	C18H33NO3	1000360-99-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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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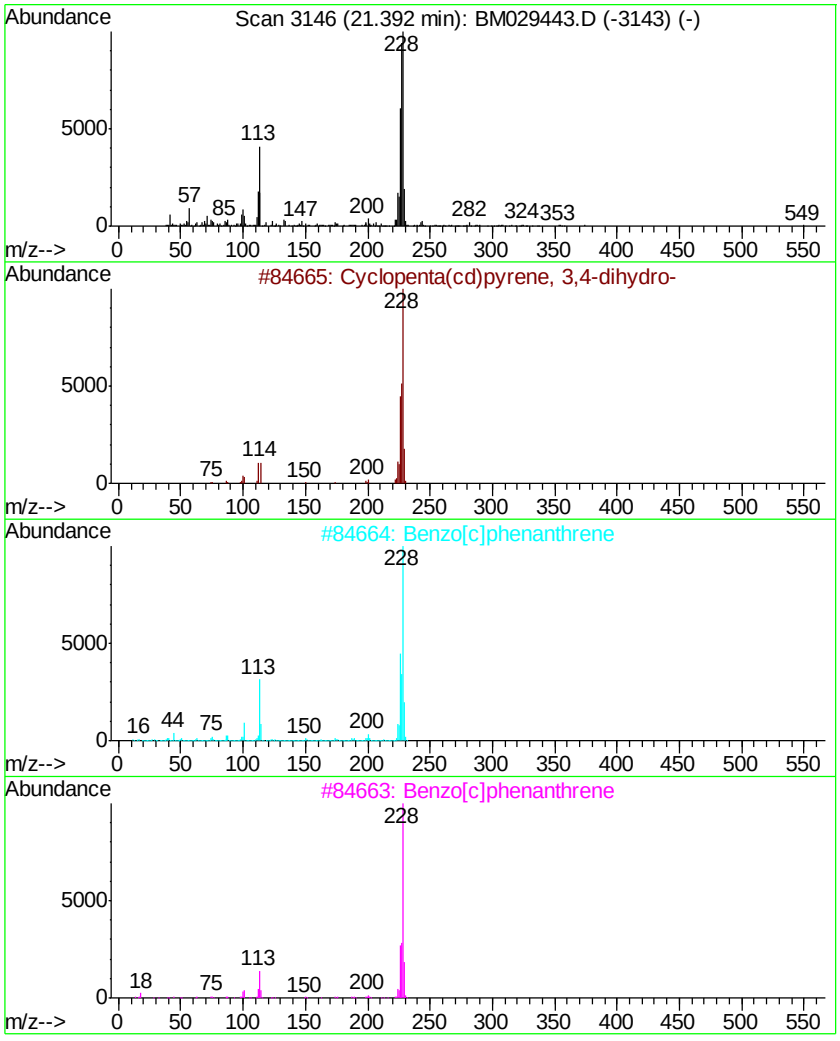
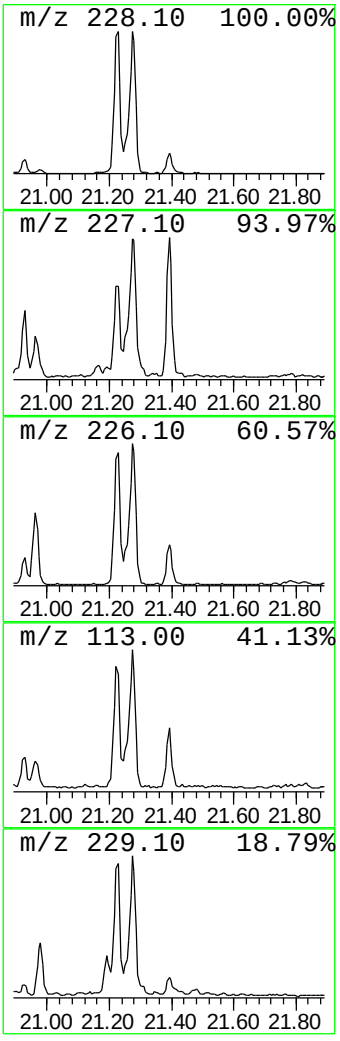
Peak Number 8 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	2.16 ng/ul	275607	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
4	Triphenylene	228	C18H12	000217-59-4	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ESQH0DL

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	62.1	ng/ul	2295680	1	7.69	739469	20.0
Phenanthrene, 2-m...	17.94	2.0	ng/ul	118019	4	17.06	1168300	20.0
1H-Cyclopropa[l]p...	17.98	4.9	ng/ul	284629	4	17.06	1168300	20.0
4H-Cyclopenta[def...	18.13	5.2	ng/ul	300963	4	17.06	1168300	20.0
9,10-Anthracenedione	18.47	3.9	ng/ul	226266	4	17.06	1168300	20.0
11H-Benzo[a]fluorene	19.98	2.8	ng/ul	351148	5	21.24	2552080	20.0
Cyclopenta[cd]pyrene	20.96	2.0	ng/ul	259762	5	21.24	2552080	20.0
Cyclopenta(cd)pyr...	21.39	2.2	ng/ul	275607	5	21.24	2552080	20.0