LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

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-BM101419MA.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	3.175	29	32	40	rVB	75140	112122	1.03%	0.069%
2	3.681	114	118	125	rVB	131242	163150	1.49%	0.100%
3	3.816	137	141	146	rVB	39366	58994	0.54%	0.036%
4	3.899	151	155	159	rVB	44264	54433	0.50%	0.033%
5	6.834	647	654	668	rVB2	1084093	1988700	18.18%	1.220%
6	6.998	675	682	697	rBV	841356	1360096	12.44%	0.834%
7	7.198	706	716	725	rBV	1131897	1866856	17.07%	1.145%
8	7.657	788	794	803	rBV	1236142	1999825	18.28%	1.227%
9	8.369	907	915	922	rBV	1094560	1767115	16.16%	1.084%
10	8.481	928	934	940	rVB	41510	76099	0.70%	0.047%
11	8.804	977	989	997	rBV	1039902	1742412	15.93%	1.069%
12	9.292	1068	1072	1076	rVB	47955	67728	0.62%	0.042%
13	9.528	1104	1112	1121	rBV	861212	1443383	13.20%	0.885%
14	10.069	1192	1204	1214	rBV	1386303	2366276	21.64%	1.452%
15	10.439	1260	1267	1274	rBV	1646339	2772383	25.35%	1.701%
16	10.575	1283	1290	1305	rBV	827078	1503991	13.75%	0.923%
17	11.827	1497	1503	1509	rVB3	36736	66359	0.61%	0.041%
18	12.116	1545	1552	1561	rVB3	45397	96773	0.88%	0.059%
19	12.492	1610	1616	1622	rBV	54448	89085	0.81%	0.055%
20	12.686	1644	1649	1654	rVV	84412	136954	1.25%	0.084%
21	13.221	1734	1740	1747	rBV7	38447	72094	0.66%	0.044%
22	13.298	1748	1753	1758	rVV	38746	76166	0.70%	0.047%
23	13.357	1758	1763	1769	rVB2	48226	94275	0.86%	0.058%
24	13.633	1802	1810	1815	rBV3	79473	130040	1.19%	0.080%
25	13.721	1819	1825	1829	rVV	2483122	3431272	31.37%	2.105%
26	13.768	1829	1833	1839	rVV	1052388	1430244	13.08%	0.877%
27	13.998	1865	1872	1887	rVB	2903940	4573063	41.81%	2.805%
28	14.310	1917	1925	1931	rBV	2465014	3739395	34.19%	2.294%
29	14.368	1931	1935	1943	rVB2	101171	160858	1.47%	0.099%
30	14.504	1952	1958	1969	rBV	658303	1002035	9.16%	0.615%
31	14.651	1980	1983	1987	rVV3	53437	83057	0.76%	0.051%
32	14.727	1989	1996	2001	rVV4	177552	357369	3.27%	0.219%
33	14.792	2003	2007	2012	rVB	37178	57152	0.52%	0.035%
34	14.933	2025	2031	2036	rBV4	41300	93421	0.85%	0.057%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

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-BM101419MA.M
Title : SVOA CALIBRATION

35	15.104	2054	2060	2063	rBV4	35065	70093	0.64%	0.043%
36	15.192	2070	2075	2079	rBV3	42056	70313	0.64%	0.043%
37	15.304	2087	2094	2100	rBV	3734178	5339735	48.82%	3.276%
38	15.357	2100	2103	2109	rVB2	133179	181465	1.66%	0.111%
39	15.421	2109	2114	2122	rBV	663391	968639	8.86%	0.594%
40	15.657	2149	2154	2157	rBV2	46656	76671	0.70%	0.047%
41	15.798	2176	2178	2187	rVB2	52183	109399	1.00%	0.067%
42	15.886	2187	2193	2200	rBV7	56940	122510	1.12%	0.075%
43	16.039	2214	2219	2221	rBV4	39253	79397	0.73%	0.049%
44	16.086	2225	2227	2233	rVB4	59695	80174	0.73%	0.049%
45	16.180	2239	2243	2246	rBV4	42808	54635	0.50%	0.034%
46	16.368	2272	2275	2279	rVV3	59141	76895	0.70%	0.047%
47	16.409	2279	2282	2288	rVV4	67742	111311	1.02%	0.068%
48	16.709	2330	2333	2340	rVB5	64196	108625	0.99%	0.067%
49	16.792	2344	2347	2353	rBV6	57101	123231	1.13%	0.076%
50	16.939	2369	2372	2375	rBV2	47658	53618	0.49%	0.033%
51	16.974	2376	2378	2383	rVB5	65259	72409	0.66%	0.044%
52	17.051	2385	2391	2395	rBV2	3007759	4345250	39.73%	2.666%
53	17.092	2395	2398	2403	rVB	1802747	2275204	20.80%	1.396%
54	17.151	2403	2408	2412	rBV	4051347	5645689	51.62%	3.463%
55	17.245	2419	2424	2430	rBV4	139883	293243	2.68%	0.180%
56	17.451	2456	2459	2464	rVB	130562	174386	1.59%	0.107%
57	17.509	2466	2469	2472	rBV2	97694	111421	1.02%	0.068%
58	17.639	2487	2491	2500	rVB3	169162	387652	3.54%	0.238%
59	17.774	2511	2514	2520	rVB2	108554	168055	1.54%	0.103%
60	17.927	2536	2540	2544	rBV	465206	671742	6.14%	0.412%
61	17.974	2544	2548	2555	rVB	716631	1001720	9.16%	0.615%
62	18.045	2555	2560	2567	rBV2	343101	740555	6.77%	0.454%
63	18.127	2568	2574	2578	rBV3	1068765	2146439	19.63%	1.317%
64	18.192	2583	2585	2588	rVB	272162	269609	2.47%	0.165%
65	18.233	2589	2592	2596	rBV5	186731	261443	2.39%	0.160%
66	18.433	2620	2626	2629	rBV3	341579	647504	5.92%	0.397%
67	18.468	2629	2632	2643	rVB4	370790	618414	5.65%	0.379%
68	18.686	2666	2669	2672	rVB	229876	273626	2.50%	0.168%
69	18.733	2674	2677	2680	rBV	192027	240700	2.20%	0.148%
70	18.856	2693	2698	2702	rBV	664485	1058630	9.68%	0.649%
71	18.915	2703	2708	2711	rVV3	445366	844752	7.72%	0.518%

LSC Area Percent Report

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Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

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-BM101419MA.M
Title : SVOA CALIBRATION

72	18.950	2712	2714	2717	rVV2	359609	452692	4.14%	0.278%
73	18.986	2717	2720	2729	rVB4	747397	1265814	11.57%	0.777%
74	19.115	2737	2742	2747	rVB	4879408	6354441	58.10%	3.898%
75	19.186	2751	2754	2757	rBV2	351703	496178	4.54%	0.304%
76	19.268	2764	2768	2772	rBV2	724730	1030541	9.42%	0.632%
77	19.450	2794	2799	2801	rBV	5659011	7927765	72.49%	4.863%
78	19.480	2801	2804	2811	rVB	4916094	6482258	59.27%	3.977%
79	19.656	2832	2834	2837	rVB2	298157	290614	2.66%	0.178%
80	19.715	2841	2844	2850	rVB2	852251	1126390	10.30%	0.691%
81	19.980	2886	2889	2894	rVB2	1346564	1680257	15.36%	1.031%
82	20.033	2895	2898	2902	rVB2	572002	652507	5.97%	0.400%
83	20.080	2902	2906	2910	rBV	769489	1002879	9.17%	0.615%
84	20.139	2912	2916	2919	rVV2	731814	955005	8.73%	0.586%
85	20.274	2935	2939	2943	rVB	557689	806845	7.38%	0.495%
86	20.321	2943	2947	2953	rBV2	727383	1204306	11.01%	0.739%
87	20.927	3048	3050	3053	rVB	480541	489559	4.48%	0.300%
88	20.986	3054	3060	3064	rBV5	1923203	2990965	27.35%	1.835%
89	21.192	3090	3095	3098	rBV	9221966	10284330	94.03%	6.309%
90	21.239	3098	3103	3107	rVV2	5441410	10937027	100.00%	6.709%
91	21.280	3107	3110	3119	rVB	3635278	5049468	46.17%	3.098%
92	22.797	3364	3368	3372	rBV	2577576	5096173	46.60%	3.126%
93	22.838	3373	3375	3380	rVB2	2841848	3437378	31.43%	2.109%
94	23.268	3444	3448	3452	rBV	1542823	2513640	22.98%	1.542%
95	23.321	3452	3457	3461	rVV	3693580	6732194	61.55%	4.130%
96	23.362	3461	3464	3468	rVV	2642478	3937076	36.00%	2.415%
97	23.409	3469	3472	3475	rVV	1371895	1926966	17.62%	1.182%
98	23.456	3476	3480	3485	rVB	2617771	4324994	39.54%	2.653%
99	24.056	3578	3582	3588	rVB	1502452	2645037	24.18%	1.623%
100	25.679	3852	3858	3870	rVB2	2218852	6011206	54.96%	3.688%

Sum of corrected areas: 163012834

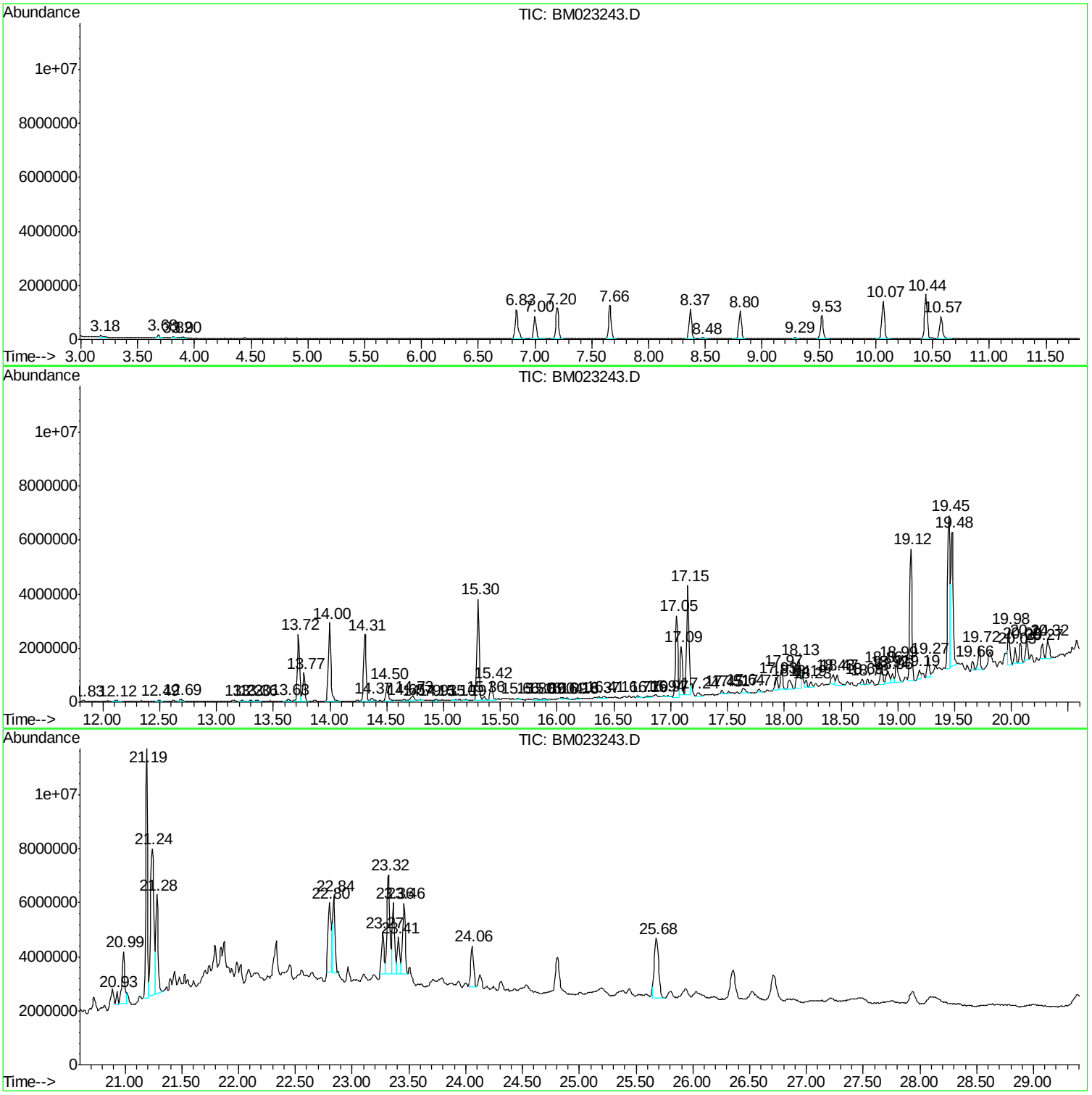
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
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Sample : K5235-14
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

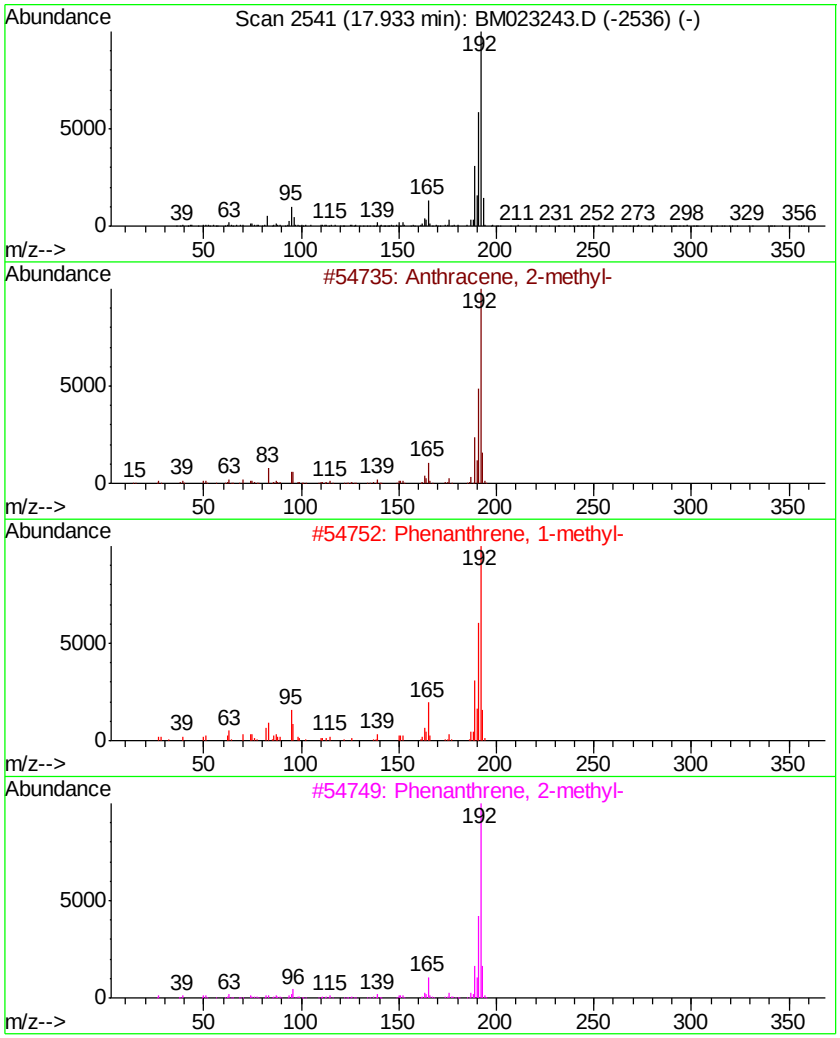
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

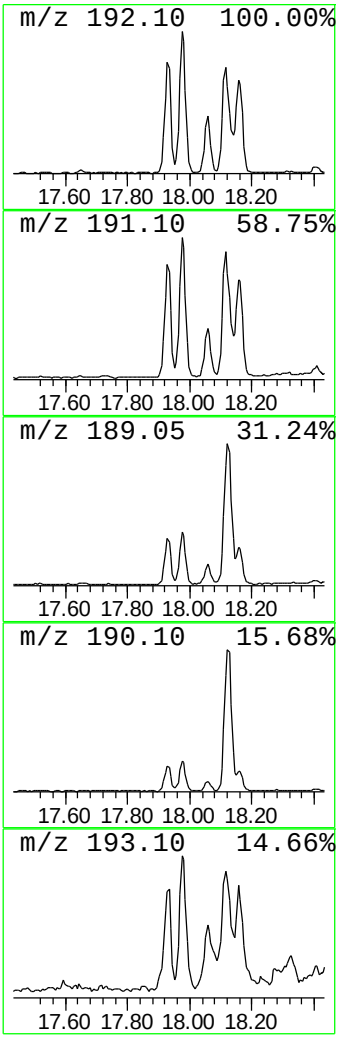
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.09 ng/ul	671742	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

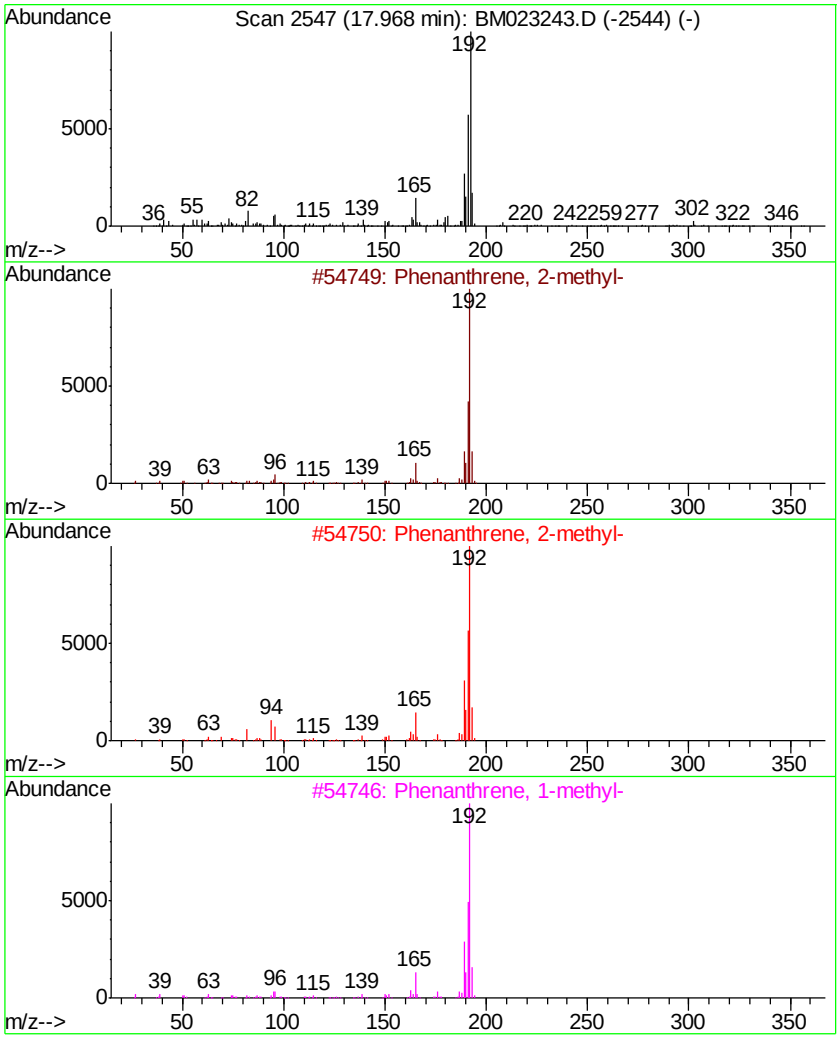
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

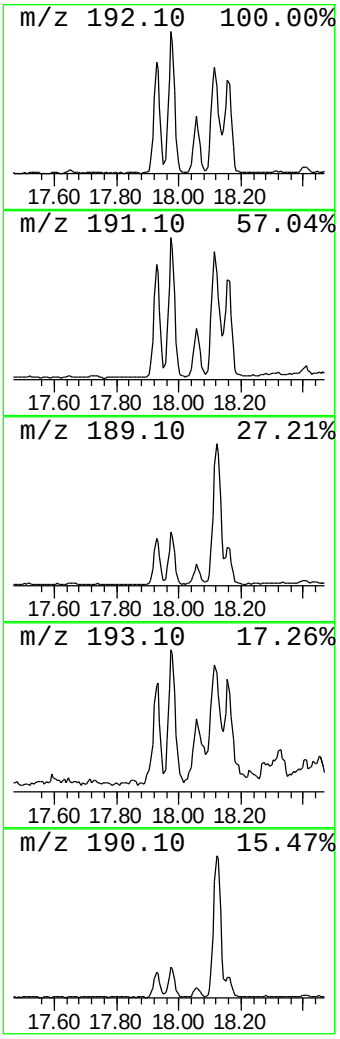
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.61 ng/ul	1001720	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
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Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

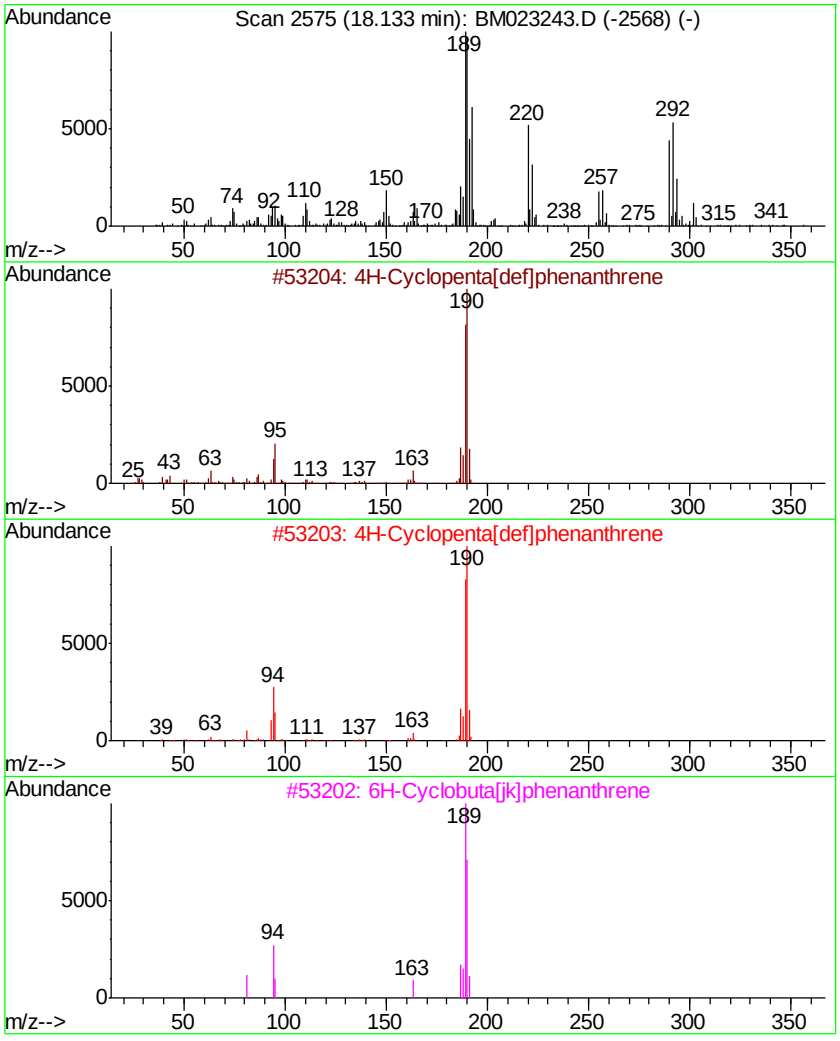
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

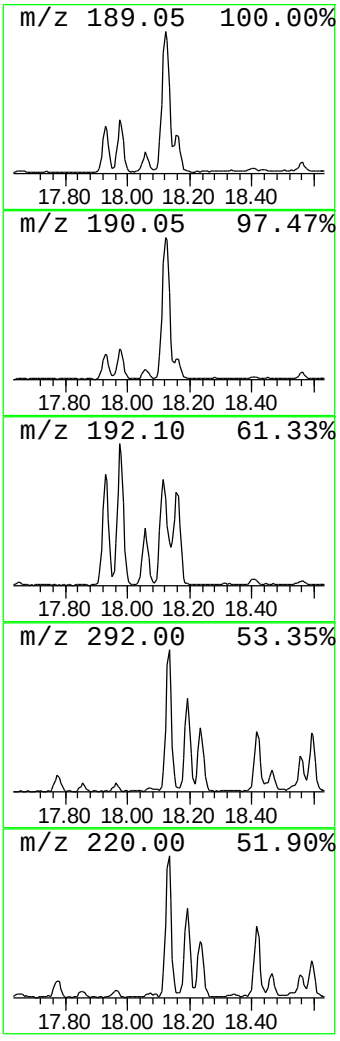
****

Peak Number 3 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	9.88 ng/ul	2146440	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	45
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

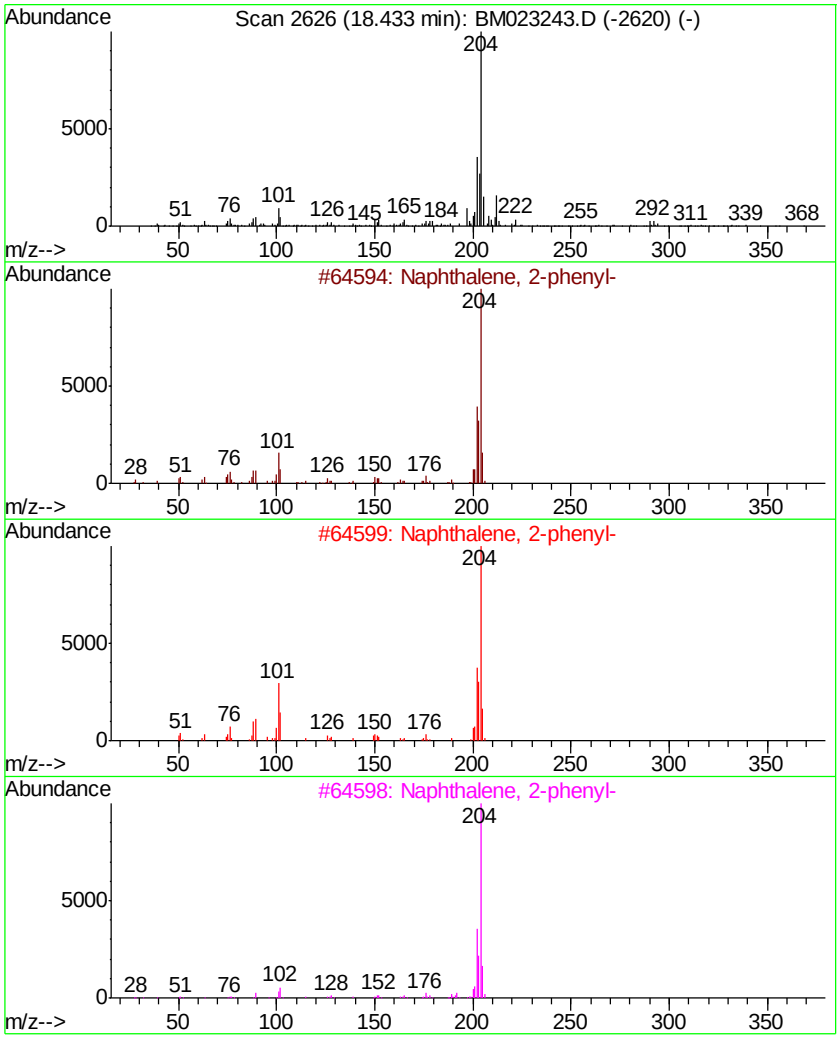
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

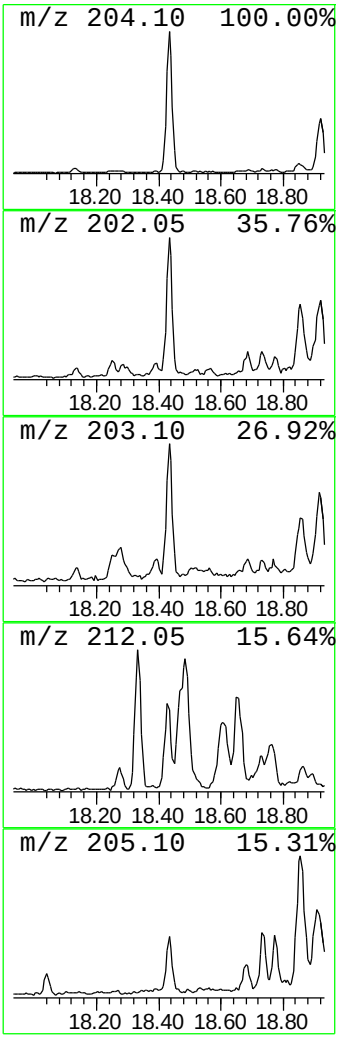
****

Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.98 ng/ul	647504	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

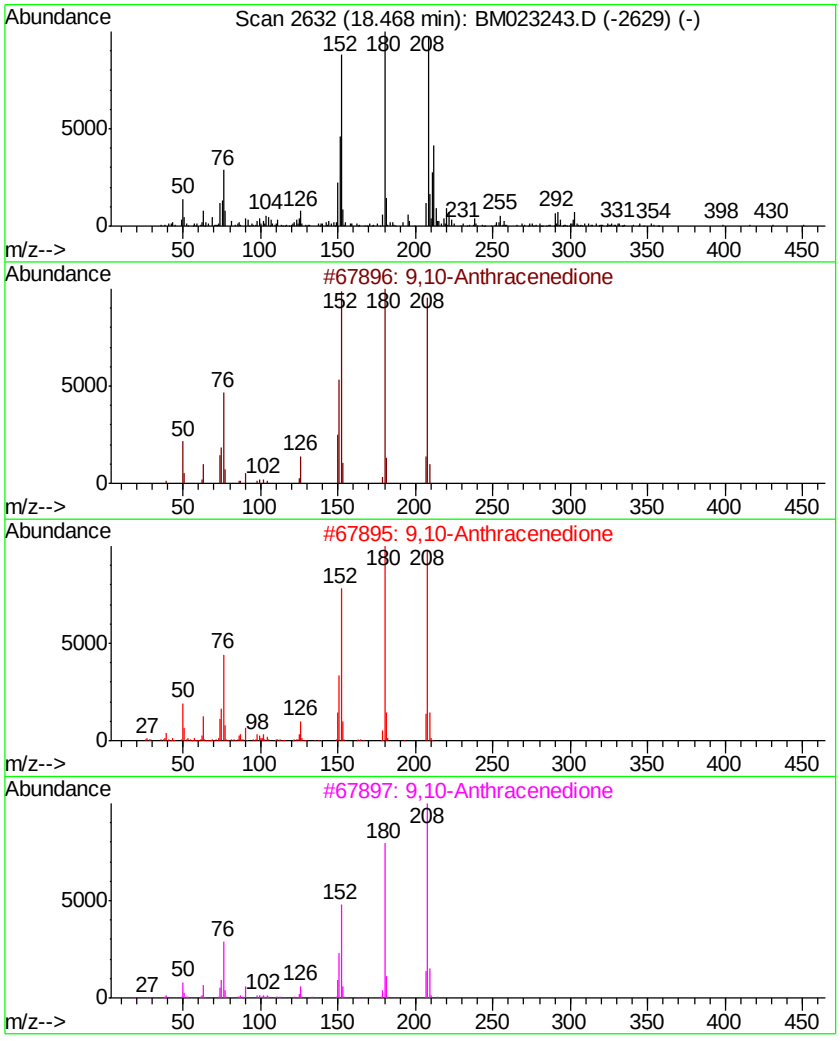
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

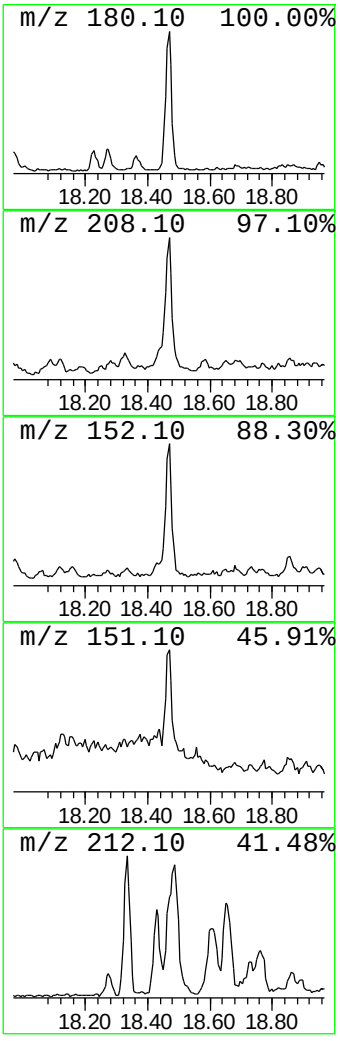
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.85 ng/ul	618414	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

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Quant Title : SVOA CALIBRATION

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

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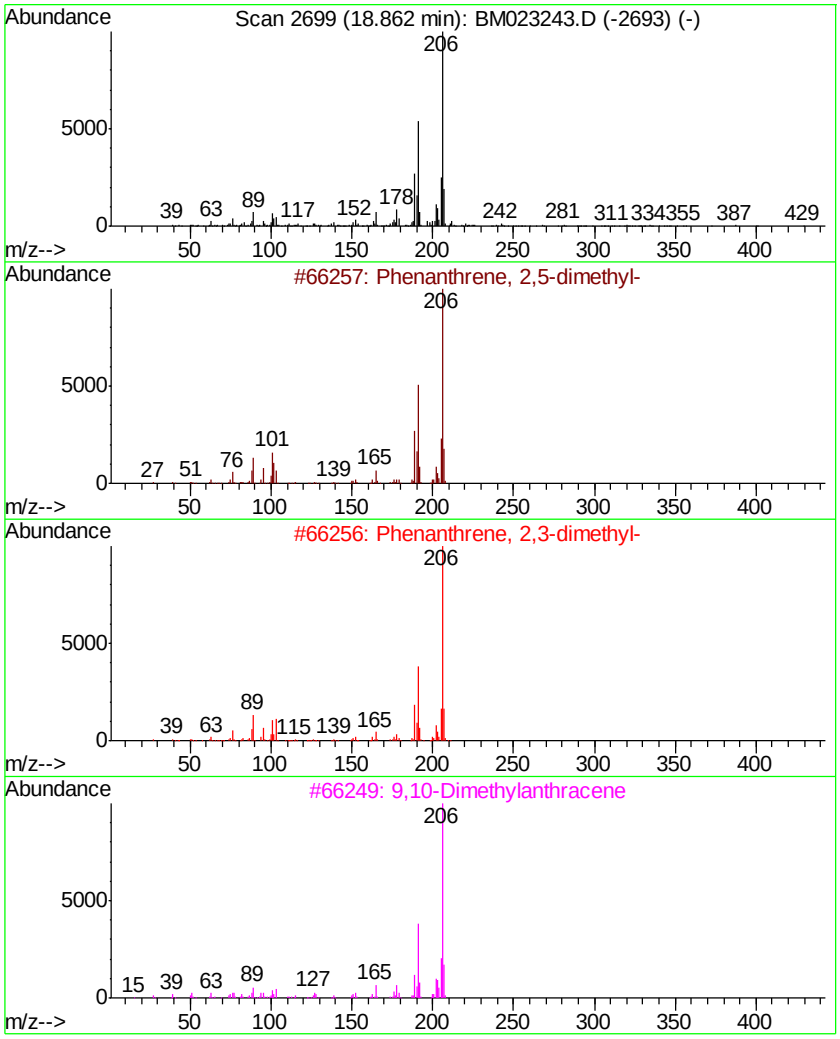
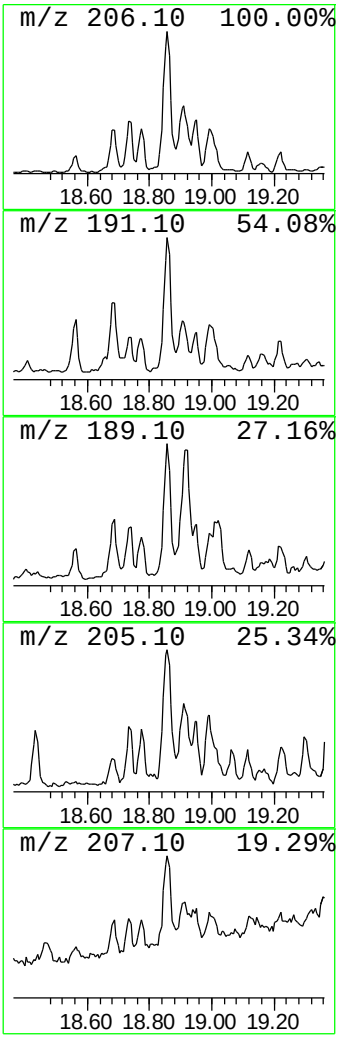
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.87 ng/ul	1058630	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

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Quant Title : SVOA CALIBRATION

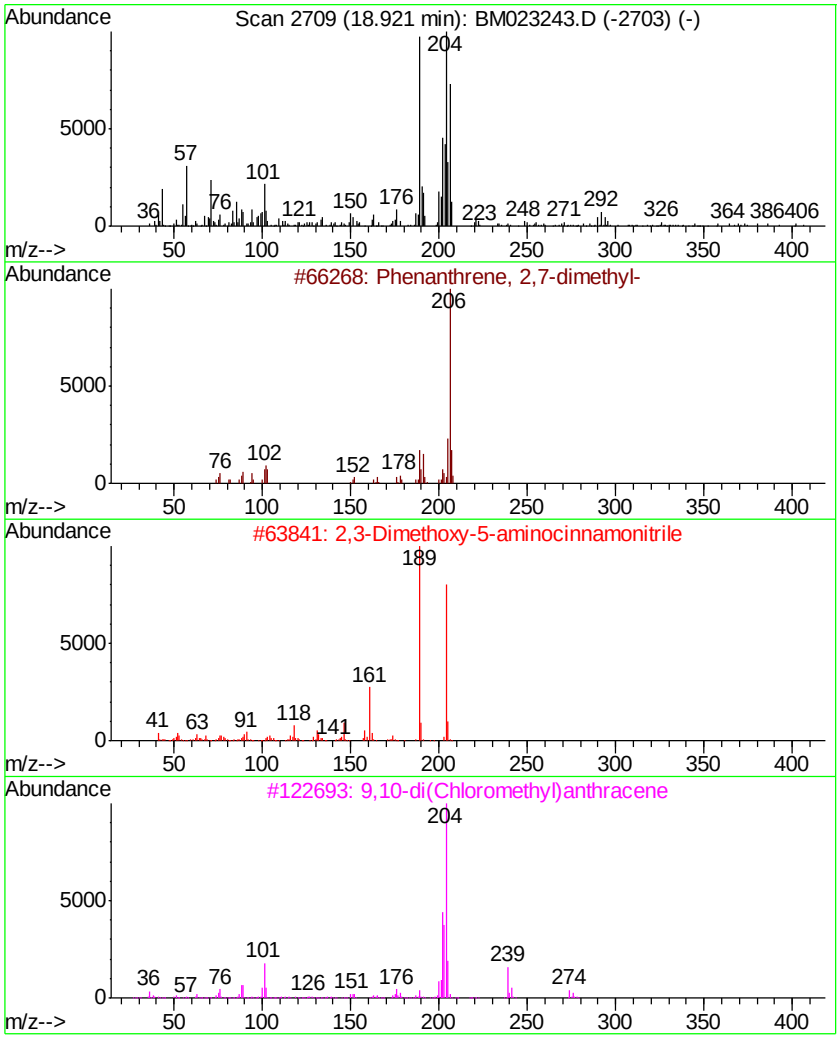
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

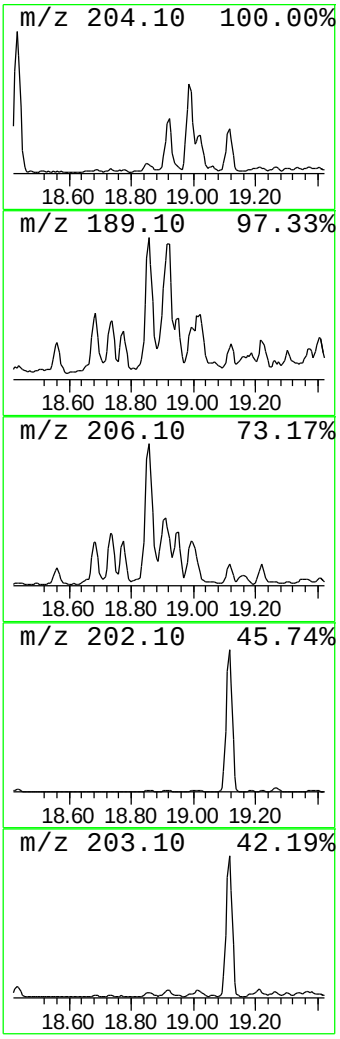
****

Peak Number 7 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	3.89 ng/ul	844752	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
2	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	30
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	20





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Operator : JU
Sample : K5235-14
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

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Quant Title : SVOA CALIBRATION

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

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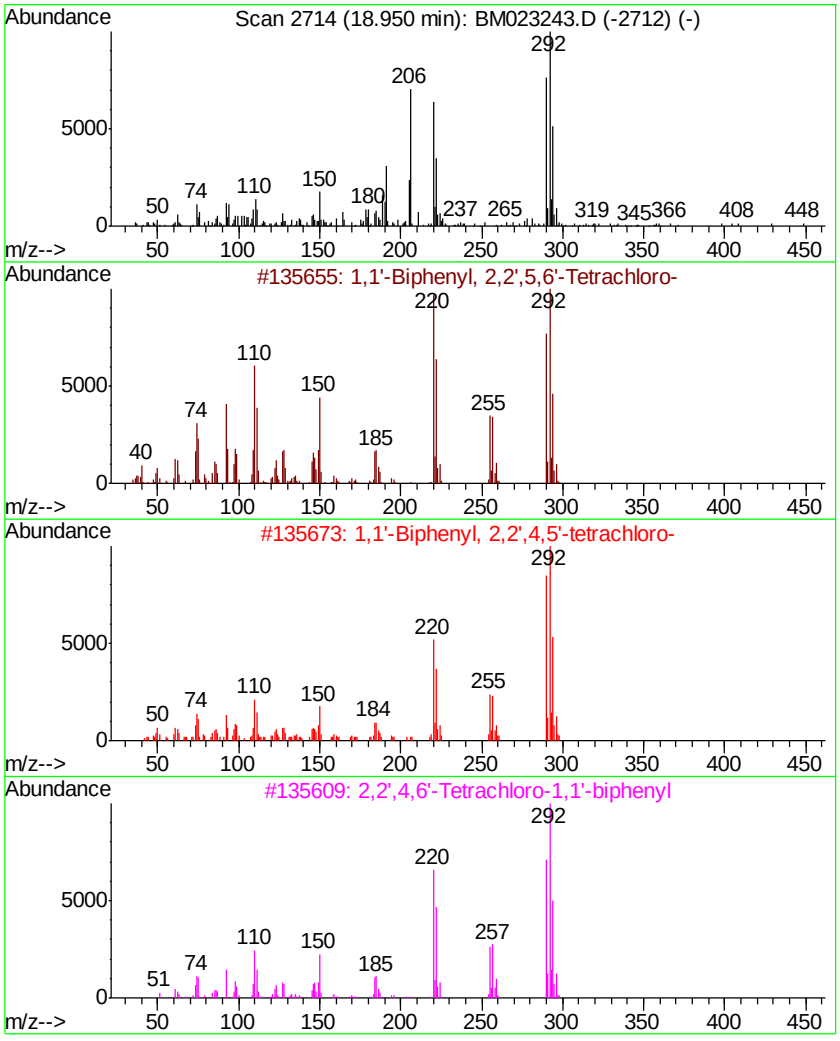
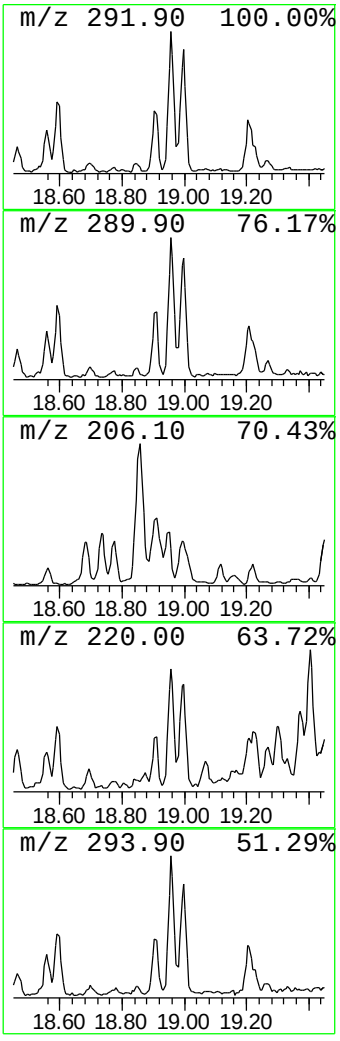
Peak Number 8 1,1'-Biphenyl, 2,2',5,6'-Te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	2.08 ng/ul	452692	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	98
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	96
4	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	96
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95





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Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

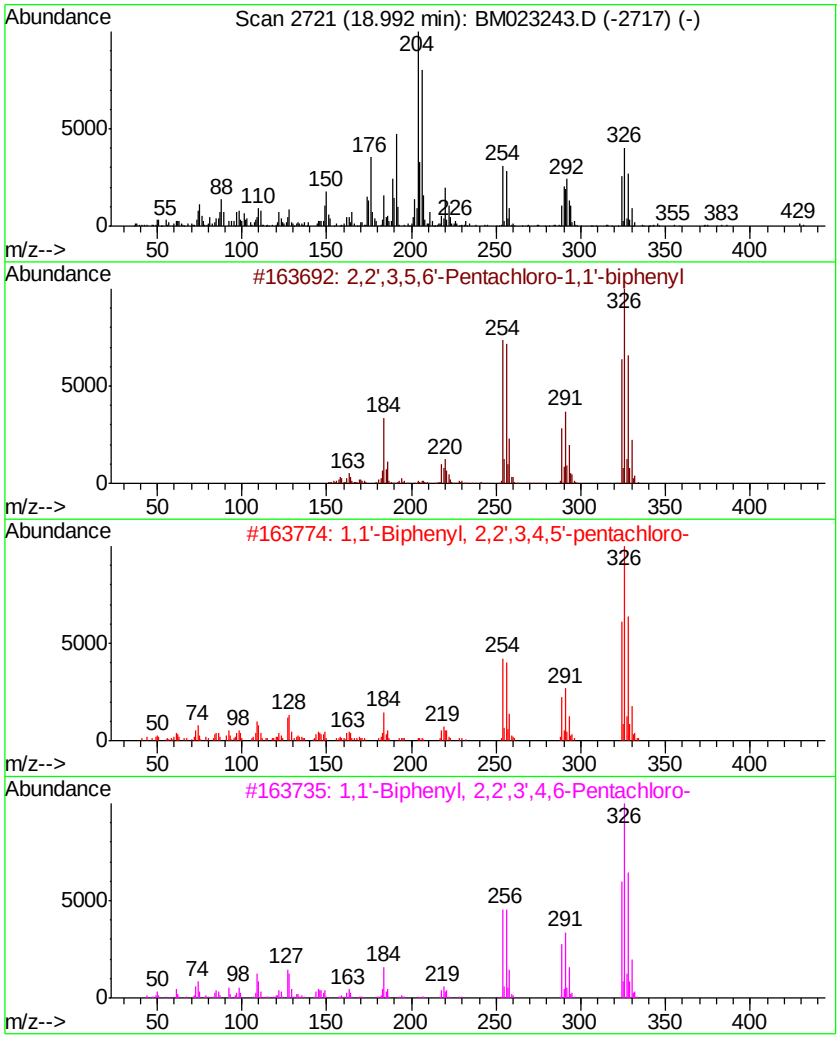
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

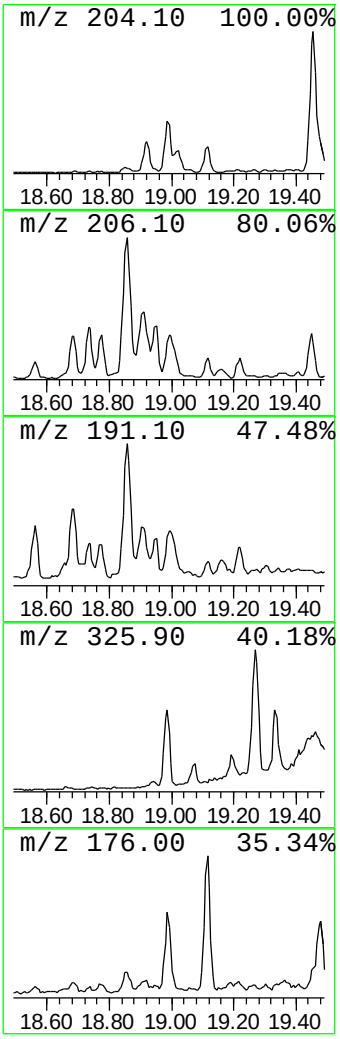
****

Peak Number 9 2,2',3,5,6'-Pentachloro-1,1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	5.83 ng/ul	1265810	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	98
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	97
3	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	97
4	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	97
5	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	97





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Instrument : BNA_M
ClientSampleId : BEPB4

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Quant Title : SVOA CALIBRATION

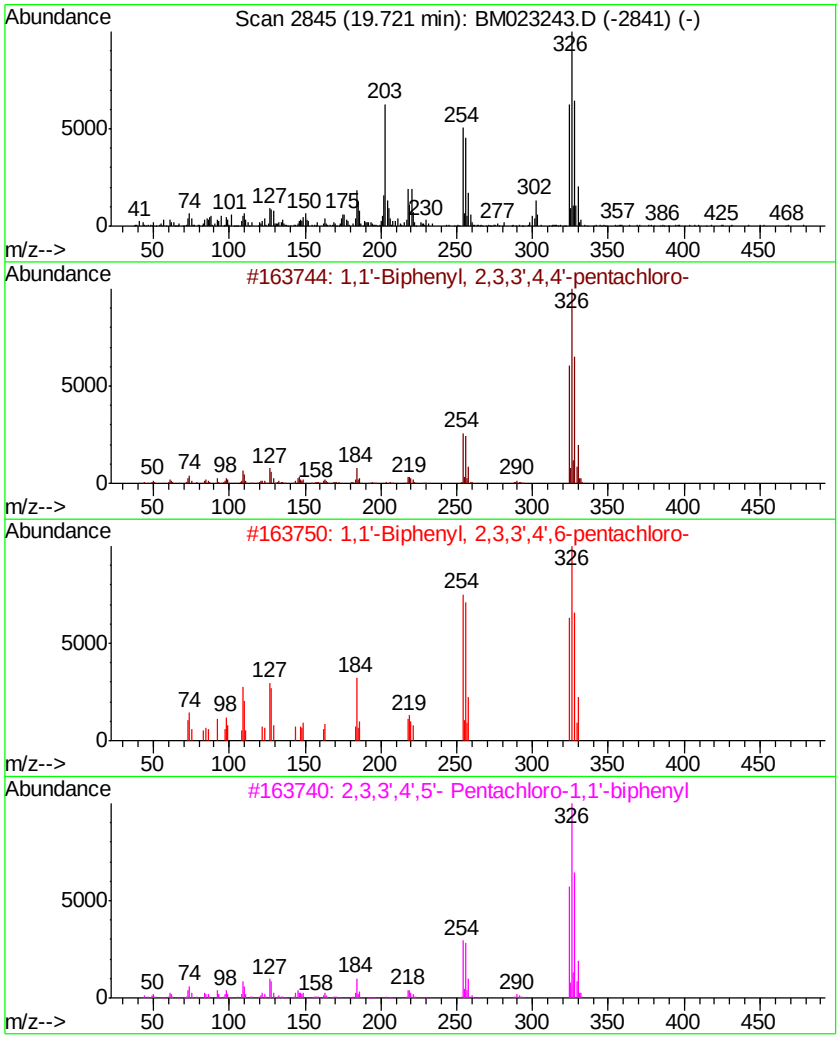
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

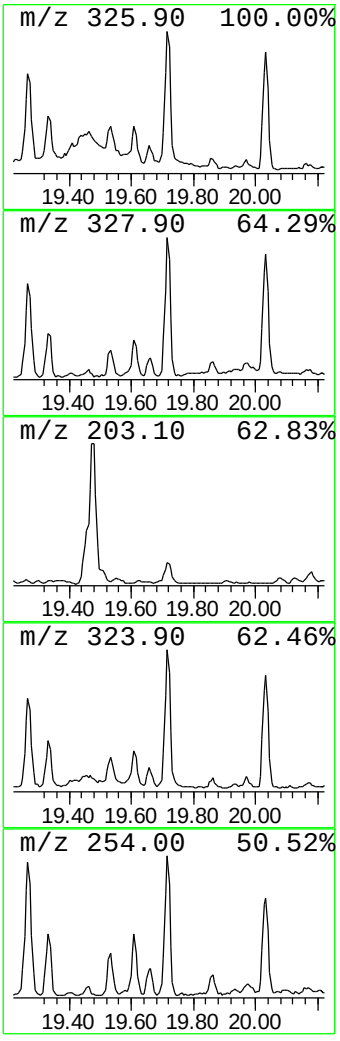
****

Peak Number 10 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.06 ng/ul	1126390	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
5	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	98





Library Search Compound Report

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Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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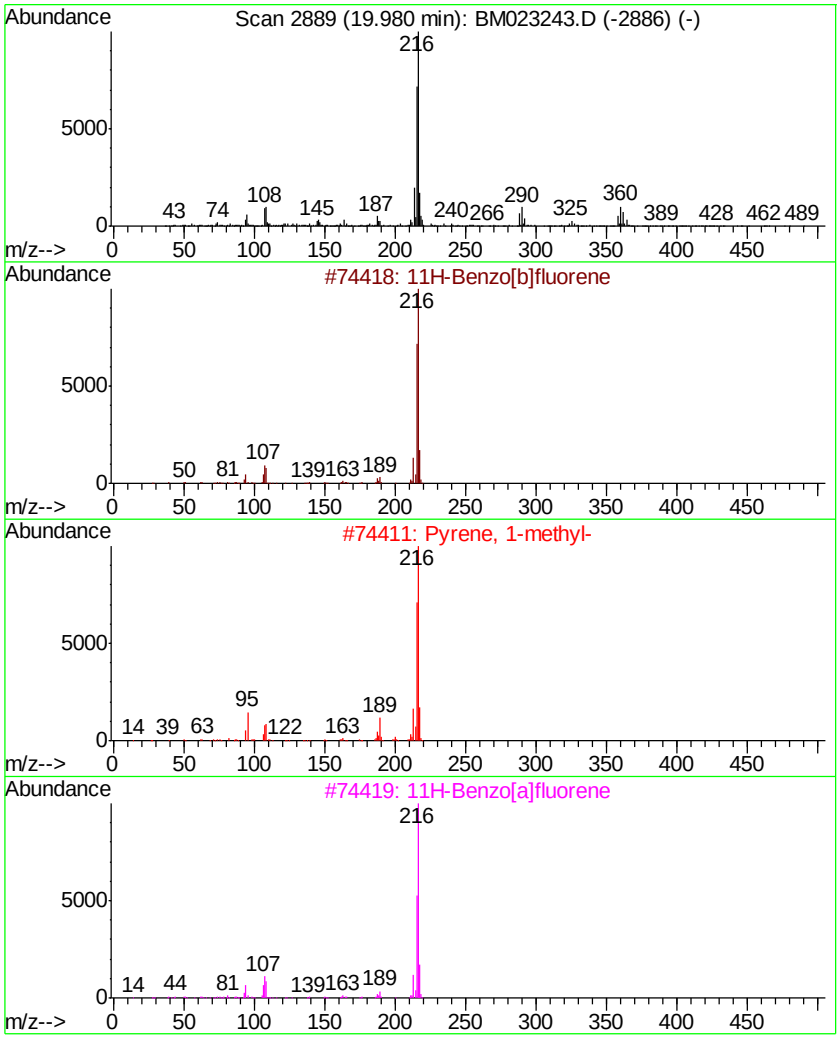
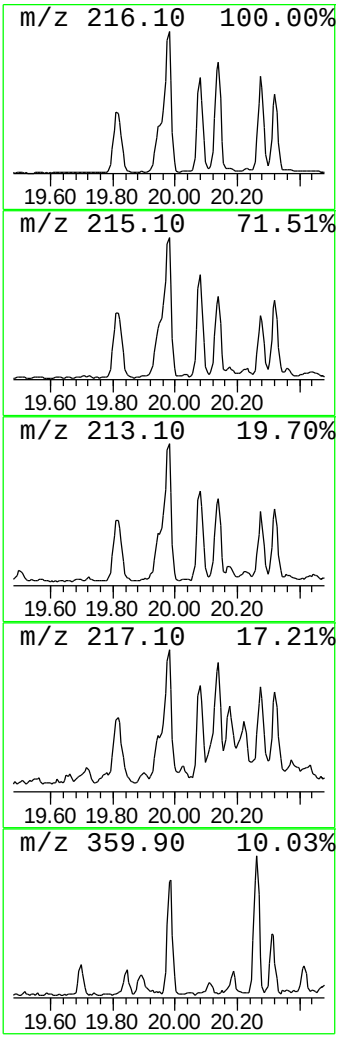
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	3.07 ng/ul	1680260	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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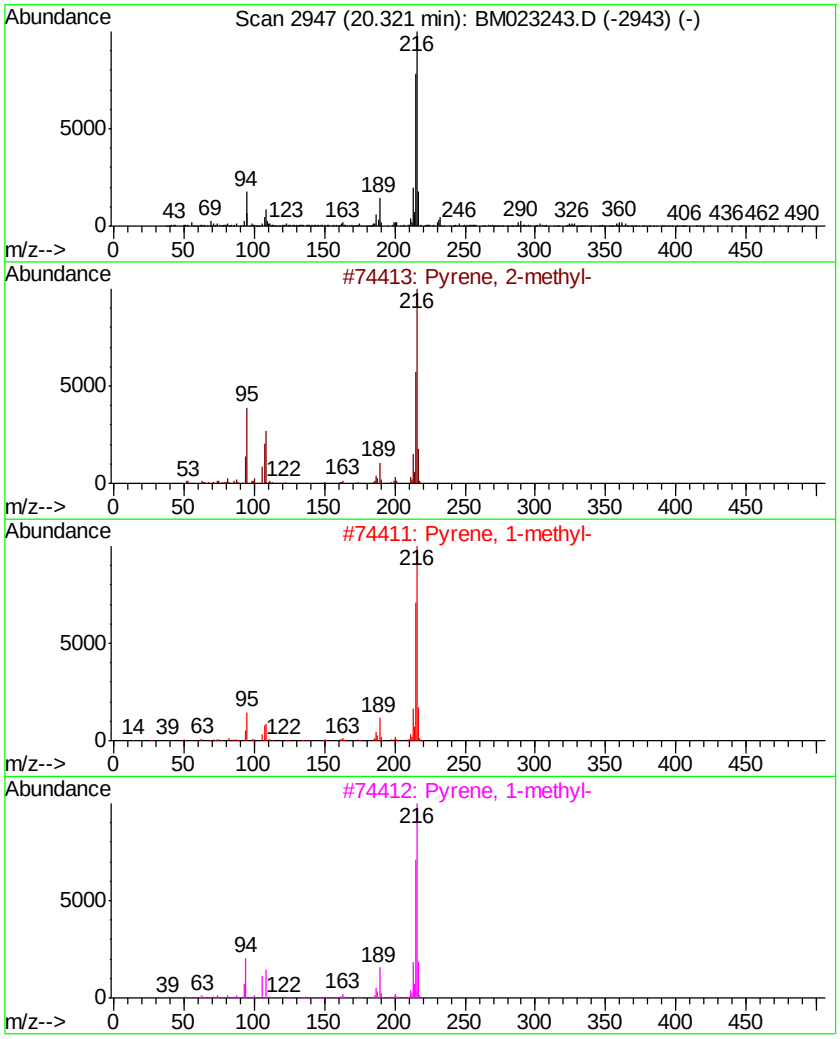
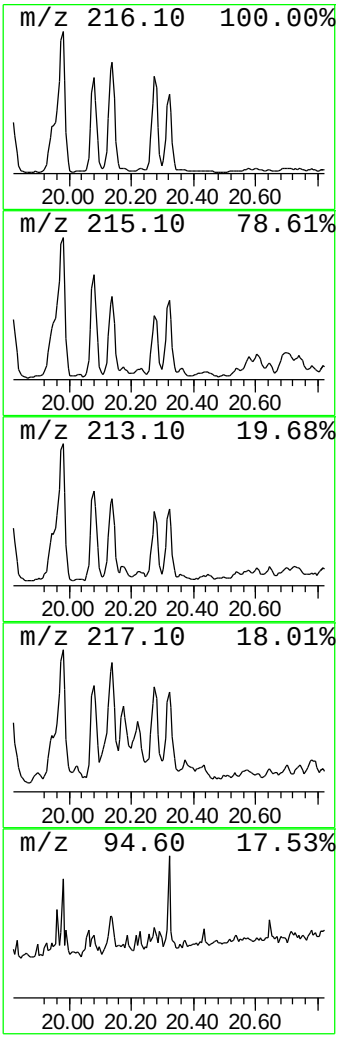
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.20 ng/ul	1204310	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

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Operator : JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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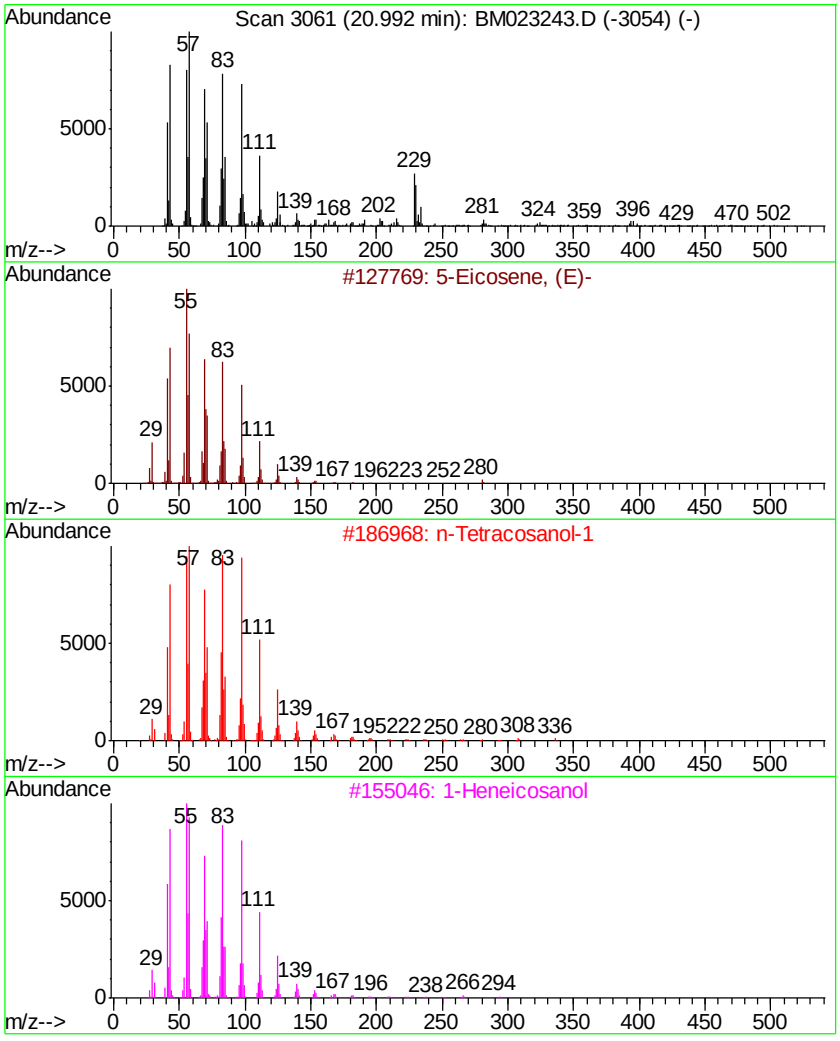
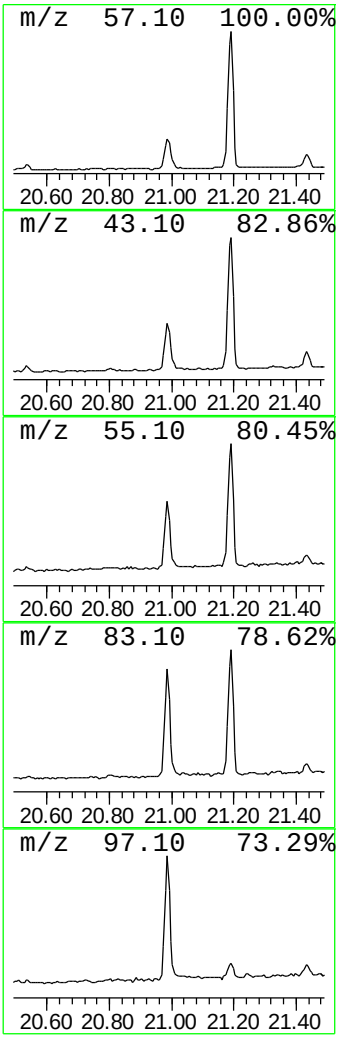
Peak Number 13 (DEL) Alkane: Cyclic20.99 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	5.47 ng/ul	2990970	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	Behenic alcohol	326	C22H46O	000661-19-8	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91





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Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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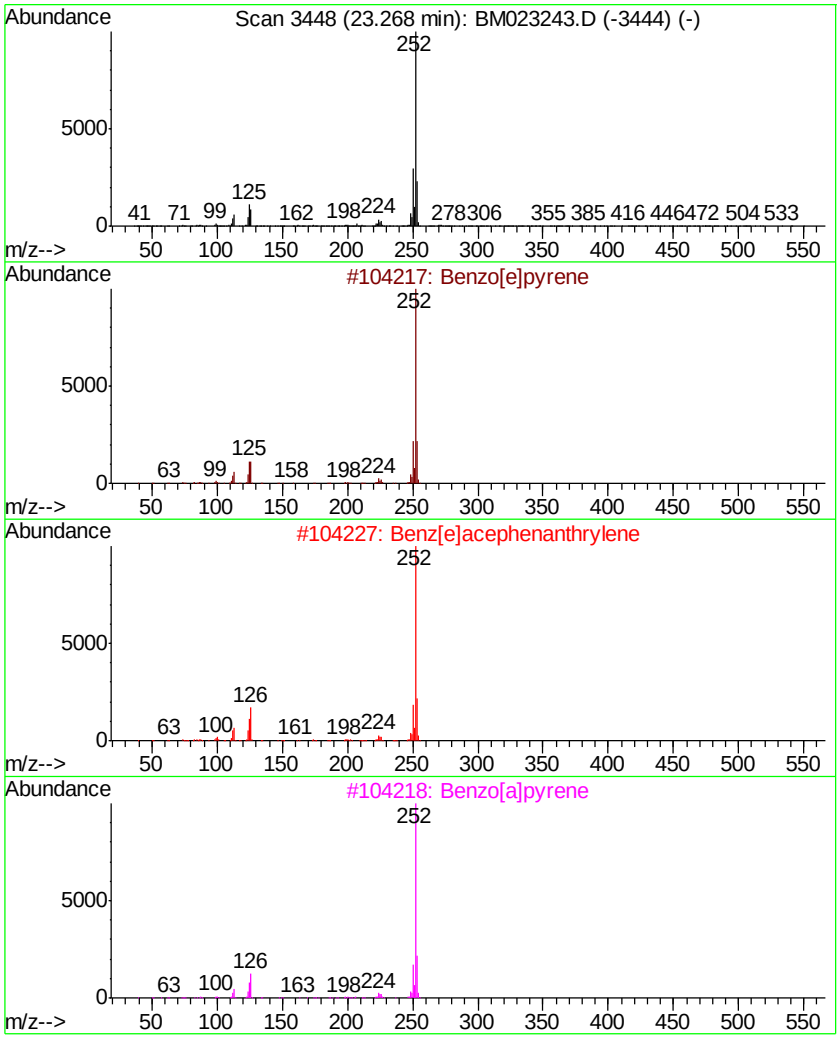
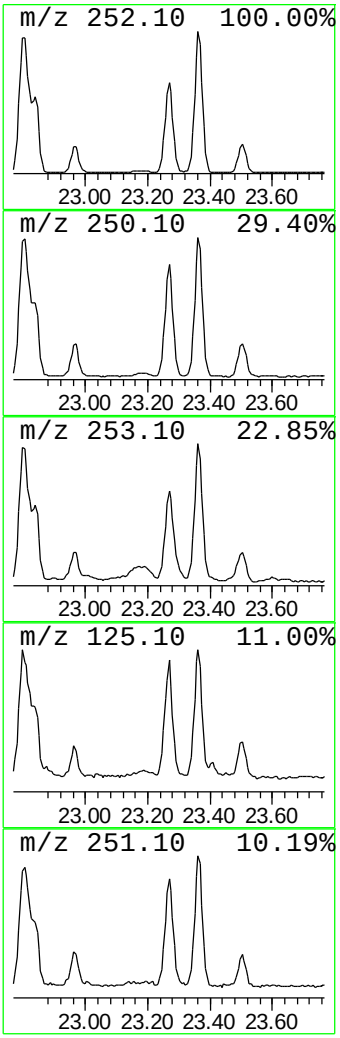
Peak Number 14 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	11.62 ng/ul	2513640	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Library Search Compound Report

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Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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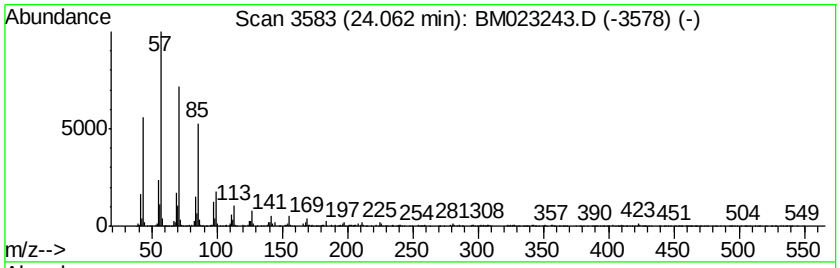
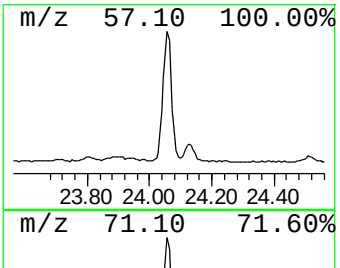
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	12.23 ng/ul	2645040	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8,8-dipentyl-	380	C27H56	055282-28-5	95
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	95
3	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	94
4	Octacosane	394	C28H58	000630-02-4	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





Tentatively Identified Compound (LSC) summary

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Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPB4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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
Anthracene, 2-met...	17.93	3.1	ng/ul	671742	4	17.05	4345250	20.0
Phenanthrene, 2-m...	17.97	4.6	ng/ul	1001720	4	17.05	4345250	20.0
unknown-01	18.13	9.9	ng/ul	2146440	4	17.05	4345250	20.0
Naphthalene, 2-ph...	18.43	3.0	ng/ul	647504	4	17.05	4345250	20.0
9,10-Anthracenedione	18.47	2.9	ng/ul	618414	4	17.05	4345250	20.0
Phenanthrene, 2,5...	18.86	4.9	ng/ul	1058630	4	17.05	4345250	20.0
unknown-02	18.92	3.9	ng/ul	844752	4	17.05	4345250	20.0
1,1'-Biphenyl, 2,...	18.95	2.1	ng/ul	452692	4	17.05	4345250	20.0
2,2',3,5,6'-Penta...	18.99	5.8	ng/ul	1265810	4	17.05	4345250	20.0
1,1'-Biphenyl, 2,...	19.72	2.1	ng/ul	1126390	5	21.24	10937000	20.0
11H-Benzo[b]fluorene	19.98	3.1	ng/ul	1680260	5	21.24	10937000	20.0
Pyrene, 2-methyl-	20.32	2.2	ng/ul	1204310	5	21.24	10937000	20.0
(DEL) Alkane: Cyc...	20.99	5.5	ng/ul	2990970	5	21.24	10937000	20.0
Benzo[e]pyrene	23.27	11.6	ng/ul	2513640	6	23.46	4324990	20.0
(DEL) Alkane: Str...	24.06	12.2	ng/ul	2645040	6	23.46	4324990	20.0