LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

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-BM051619MA.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	6.898	660	665	676	rBV2	34647	67942	3.64%	0.250%
2	7.257	722	726	737	rVB2	43255	74591	4.00%	0.274%
3	7.728	800	806	819	rBV	243308	403826	21.64%	1.484%
4	8.439	922	927	938	rBV4	26435	55361	2.97%	0.203%
5	8.904	999	1006	1014	rBV	30196	66567	3.57%	0.245%
6	10.145	1211	1217	1226	rBV2	32790	64792	3.47%	0.238%
7	10.522	1275	1281	1286	rVV	315721	539801	28.92%	1.984%
8	10.569	1286	1289	1296	rVV	77353	128236	6.87%	0.471%
9	11.922	1512	1519	1526	rBV	96592	150473	8.06%	0.553%
10	12.186	1558	1564	1571	rVB	484075	733158	39.28%	2.694%
11	12.410	1591	1602	1608	rBV	320133	542231	29.05%	1.993%
12	12.880	1678	1682	1688	rVB	45822	67252	3.60%	0.247%
13	13.180	1725	1733	1745	rBV	158694	263347	14.11%	0.968%
14	13.404	1766	1771	1780	rVB	61416	131150	7.03%	0.482%
15	13.533	1787	1793	1795	rBV2	202073	327005	17.52%	1.202%
16	13.692	1813	1820	1825	rVV	287814	527306	28.25%	1.938%
17	13.751	1825	1830	1833	rVV	187231	281251	15.07%	1.033%
18	13.792	1833	1837	1840	rVV	110368	173190	9.28%	0.636%
19	13.833	1840	1844	1850	rVV2	139704	231373	12.40%	0.850%
20	13.933	1856	1861	1864	rVV	134242	199478	10.69%	0.733%
21	13.963	1864	1866	1871	rVB2	51518	64190	3.44%	0.236%
22	14.074	1878	1885	1886	rBV	126233	183018	9.81%	0.673%
23	14.098	1886	1889	1898	rVB	300945	458349	24.56%	1.684%
24	14.257	1911	1916	1925	rBV	194331	262757	14.08%	0.966%
25	14.380	1925	1937	1942	rBV2	490430	785423	42.08%	2.886%
26	14.445	1942	1948	1954	rVB3	50633	106588	5.71%	0.392%
27	14.586	1966	1972	1981	rBV3	52027	129339	6.93%	0.475%
28	14.774	1997	2004	2010	rBV2	133629	238830	12.80%	0.878%
29	14.851	2013	2017	2021	rBV	87225	123256	6.60%	0.453%
30	14.986	2035	2040	2046	rVV4	78224	145020	7.77%	0.533%
31	15.045	2046	2050	2054	rVB	58733	78515	4.21%	0.289%
32	15.162	2063	2070	2073	rBV3	47011	104672	5.61%	0.385%
33	15.215	2073	2079	2082	rVV	196804	267785	14.35%	0.984%
34	15.251	2082	2085	2091	rVV	55896	80949	4.34%	0.297%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

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-BM051619MA.M
Title : SVOA CALIBRATION

35	15.315	2091	2096	2099	rVV4	26618	52283	2.80%	0.192%
36	15.374	2099	2106	2110	rVV2	206599	327959	17.57%	1.205%
37	15.427	2110	2115	2126	rVV	257039	481261	25.79%	1.768%
38	15.515	2126	2130	2133	rVV5	28236	53369	2.86%	0.196%
39	15.551	2134	2136	2140	rVV3	34118	48261	2.59%	0.177%
40	15.621	2140	2148	2158	rVV6	71729	199486	10.69%	0.733%
41	15.721	2160	2165	2171	rVV	62059	108482	5.81%	0.399%
42	15.868	2187	2190	2199	rVB	46134	76523	4.10%	0.281%
43	16.080	2221	2226	2235	rBV2	193851	428199	22.94%	1.573%
44	16.433	2278	2286	2290	rVV3	86943	212326	11.38%	0.780%
45	16.480	2290	2294	2299	rVV3	81104	129680	6.95%	0.477%
46	16.580	2307	2311	2317	rVB2	58232	86211	4.62%	0.317%
47	16.657	2317	2324	2326	rBV7	35090	69743	3.74%	0.256%
48	16.692	2326	2330	2339	rVV7	35355	98084	5.26%	0.360%
49	16.792	2342	2347	2352	rVV2	35219	65759	3.52%	0.242%
50	16.868	2354	2360	2364	rVV2	178823	239869	12.85%	0.881%
51	16.915	2364	2368	2371	rVV	57866	96198	5.15%	0.353%
52	16.951	2371	2374	2381	rVB	81859	115801	6.20%	0.426%
53	17.127	2398	2404	2408	rBV	631445	943653	50.56%	3.468%
54	17.174	2408	2412	2417	rVV	1036636	1457567	78.10%	5.356%
55	17.227	2417	2421	2424	rVV	154454	229256	12.28%	0.842%
56	17.262	2424	2427	2432	rVB	181929	242093	12.97%	0.890%
57	17.527	2467	2472	2475	rBV6	30727	55866	2.99%	0.205%
58	17.609	2481	2486	2489	rBV	136217	159109	8.53%	0.585%
59	17.709	2499	2503	2509	rVB	44993	72334	3.88%	0.266%
60	18.003	2548	2553	2557	rBV	248902	348971	18.70%	1.282%
61	18.051	2557	2561	2568	rVV	278915	378879	20.30%	1.392%
62	18.133	2570	2575	2580	rVV	70562	120099	6.44%	0.441%
63	18.198	2580	2586	2590	rVV3	257175	490877	26.30%	1.804%
64	18.239	2590	2593	2600	rVB	137765	195319	10.47%	0.718%
65	18.303	2600	2604	2611	rBV2	103048	135877	7.28%	0.499%
66	18.509	2634	2639	2643	rBV	87411	127177	6.81%	0.467%
67	18.556	2643	2647	2656	rVB5	44375	81996	4.39%	0.301%
68	18.756	2677	2681	2685	rVV3	53538	95974	5.14%	0.353%
69	18.803	2686	2689	2693	rVV2	48144	72486	3.88%	0.266%
70	18.933	2705	2711	2715	rBV2	138119	297924	15.96%	1.095%
71	18.986	2715	2720	2723	rVV3	67768	142286	7.62%	0.523%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

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-BM051619MA.M
Title : SVOA CALIBRATION

72	19.015	2723	2725	2729	rVB	57595	63442	3.40%	0.233%
73	19.068	2729	2734	2747	rBV3	105694	246753	13.22%	0.907%
74	19.192	2749	2755	2761	rBV	729359	983467	52.70%	3.614%
75	19.345	2776	2781	2786	rBV	115135	158973	8.52%	0.584%
76	19.462	2799	2801	2806	rVB2	40336	49105	2.63%	0.180%
77	19.527	2807	2812	2814	rBV2	364202	512778	27.48%	1.884%
78	19.556	2814	2817	2826	rVV	999586	1406382	75.36%	5.168%
79	19.627	2826	2829	2835	rVB3	59053	91050	4.88%	0.335%
80	19.880	2867	2872	2881	rVB4	93126	223782	11.99%	0.822%
81	20.050	2890	2901	2907	rVB2	186039	460025	24.65%	1.690%
82	20.156	2915	2919	2923	rBV	86542	122720	6.58%	0.451%
83	20.209	2923	2928	2932	rBV2	131705	190087	10.19%	0.699%
84	20.350	2948	2952	2956	rBV	105682	144749	7.76%	0.532%
85	20.397	2956	2960	2964	rVB2	105248	129648	6.95%	0.476%
86	20.556	2984	2987	2992	rBV4	44368	53262	2.85%	0.196%
87	20.809	3026	3030	3035	rVB	73776	115883	6.21%	0.426%
88	20.968	3054	3057	3060	rBV2	52863	62134	3.33%	0.228%
89	21.009	3060	3064	3068	rVV2	91607	136461	7.31%	0.501%
90	21.044	3068	3070	3075	rVB2	57426	66976	3.59%	0.246%
91	21.321	3110	3117	3121	rBV2	1022104	1866293	100.00%	6.858%
92	21.362	3121	3124	3130	rVB	379622	513666	27.52%	1.888%
93	21.880	3208	3212	3218	rBV2	88811	137684	7.38%	0.506%
94	22.080	3242	3246	3248	rBV	58414	80737	4.33%	0.297%
95	22.909	3383	3387	3393	rBV	199116	445569	23.87%	1.637%
96	23.080	3413	3416	3423	rVB	80411	130877	7.01%	0.481%
97	23.397	3465	3470	3474	rBV	143916	266492	14.28%	0.979%
98	23.450	3474	3479	3482	rVV2	192554	320054	17.15%	1.176%
99	23.491	3482	3486	3494	rVB	275540	510679	27.36%	1.877%
100	23.597	3497	3504	3510	rBV	586981	1129521	60.52%	4.151%

Sum of corrected areas: 27213507

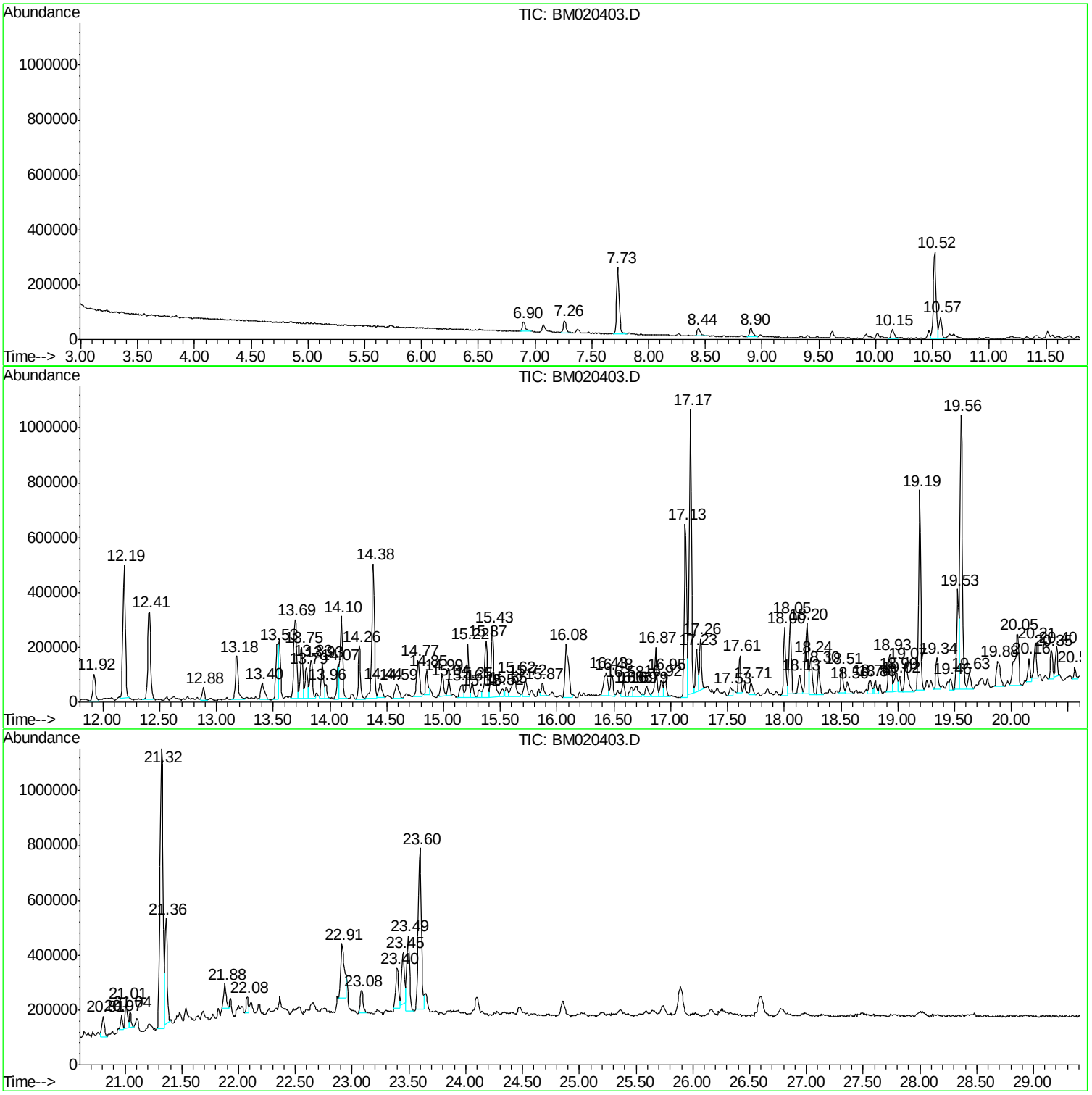
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

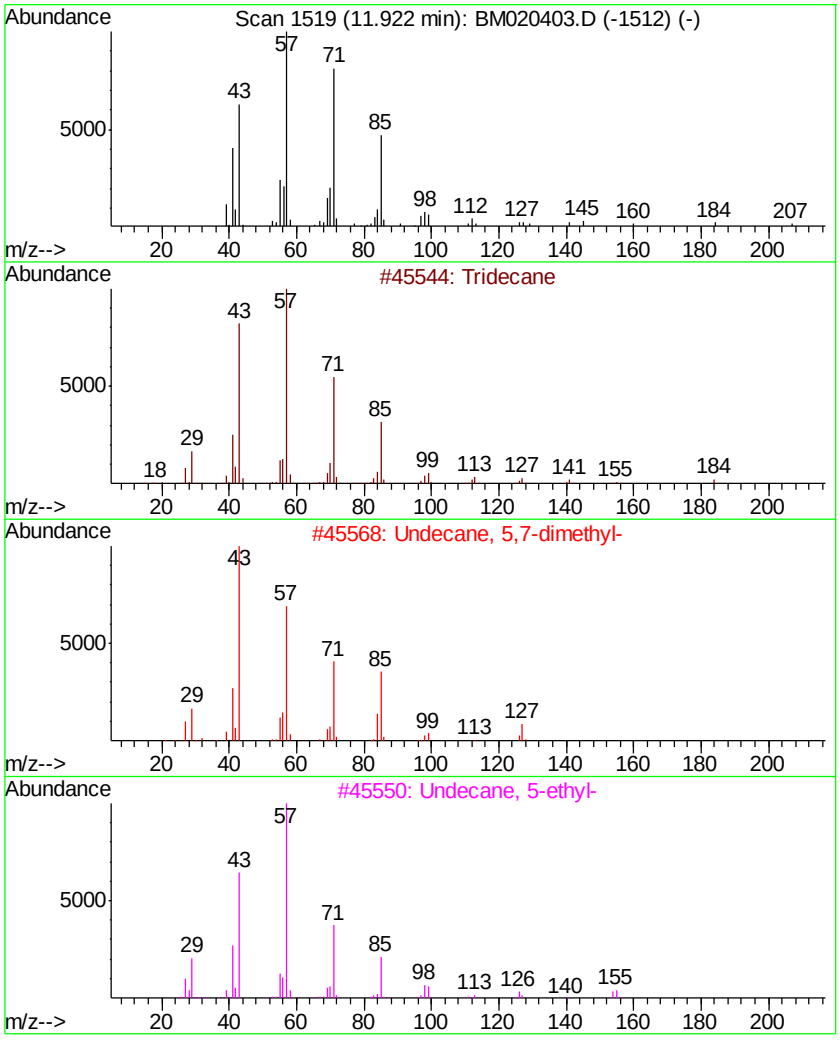
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

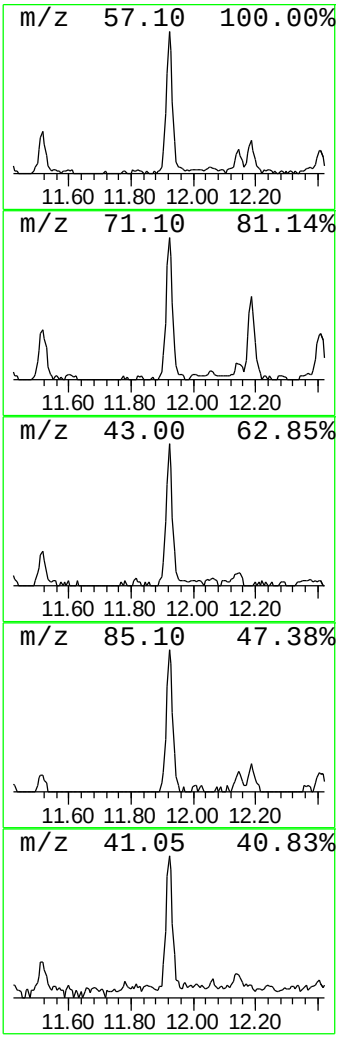
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.58 ng/ul	150473	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
3	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
5	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

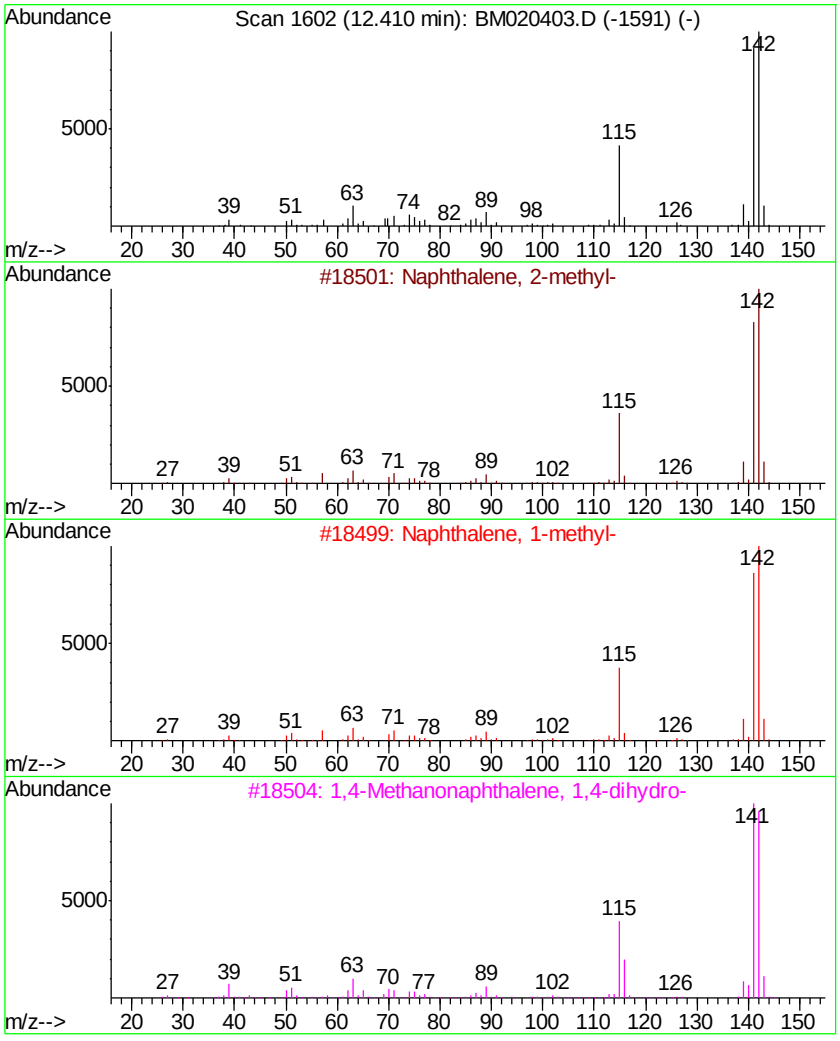
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

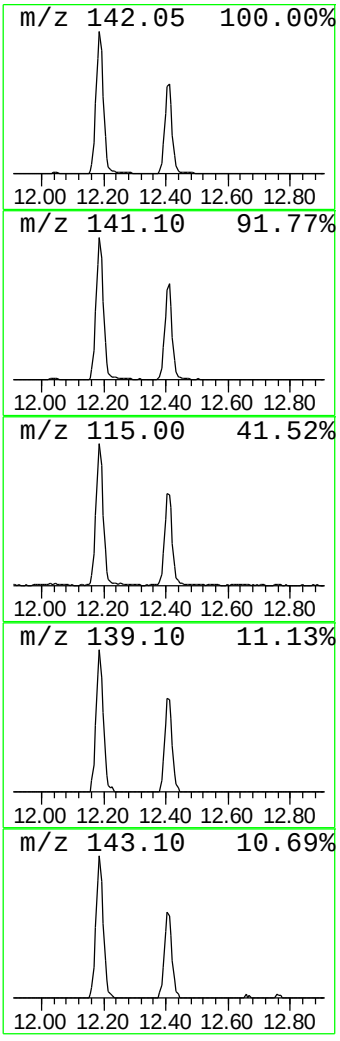
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	20.09 ng/ul	542231	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

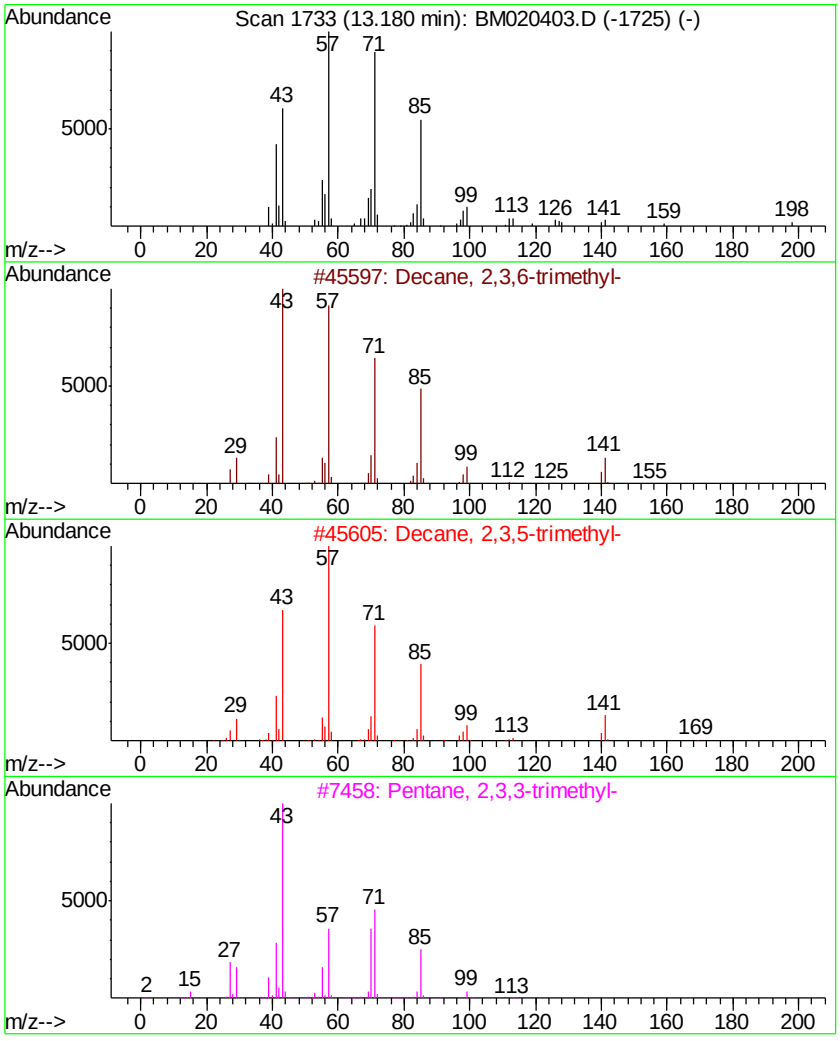
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

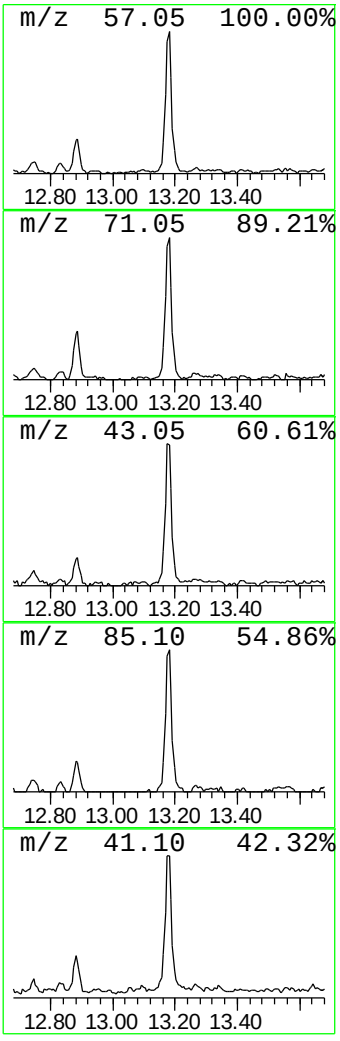
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	6.71 ng/ul	263347	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	86
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
4	Tetradecane	198	C14H30	000629-59-4	64
5	Tetradecane	198	C14H30	000629-59-4	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

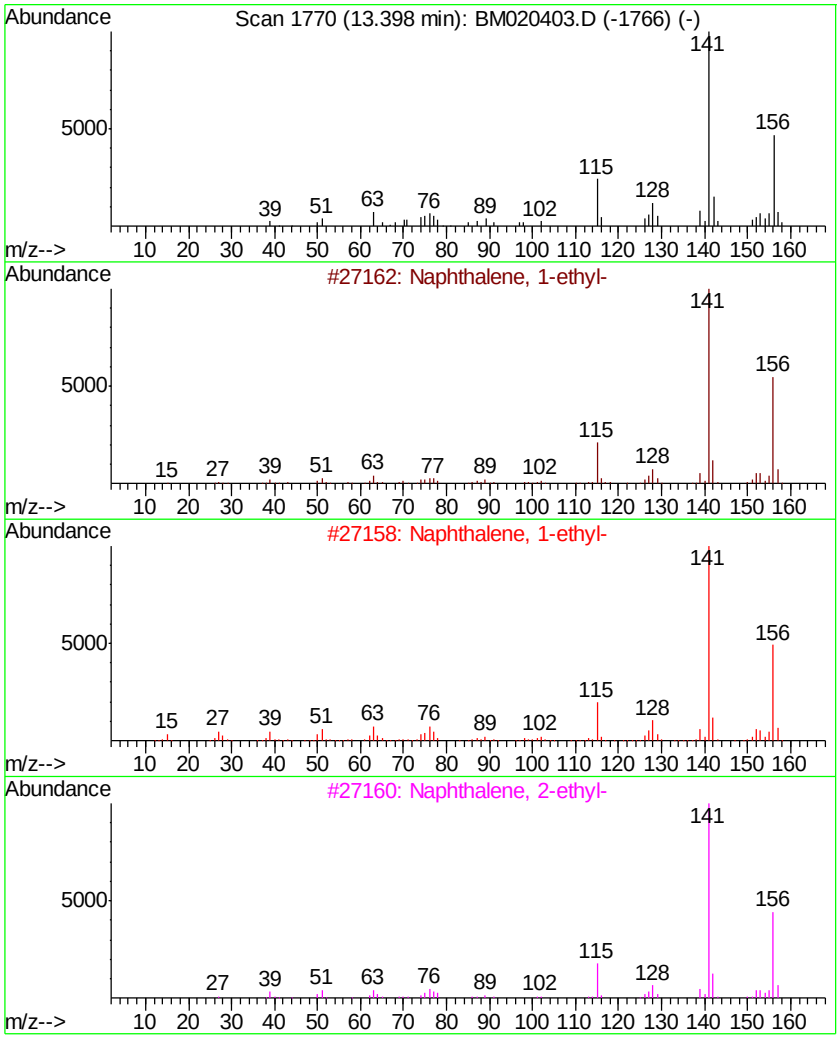
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

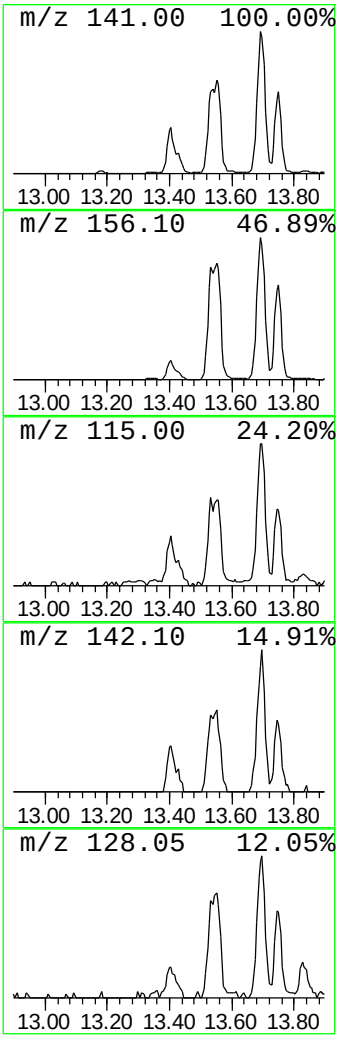
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	3.34 ng/ul	131150	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

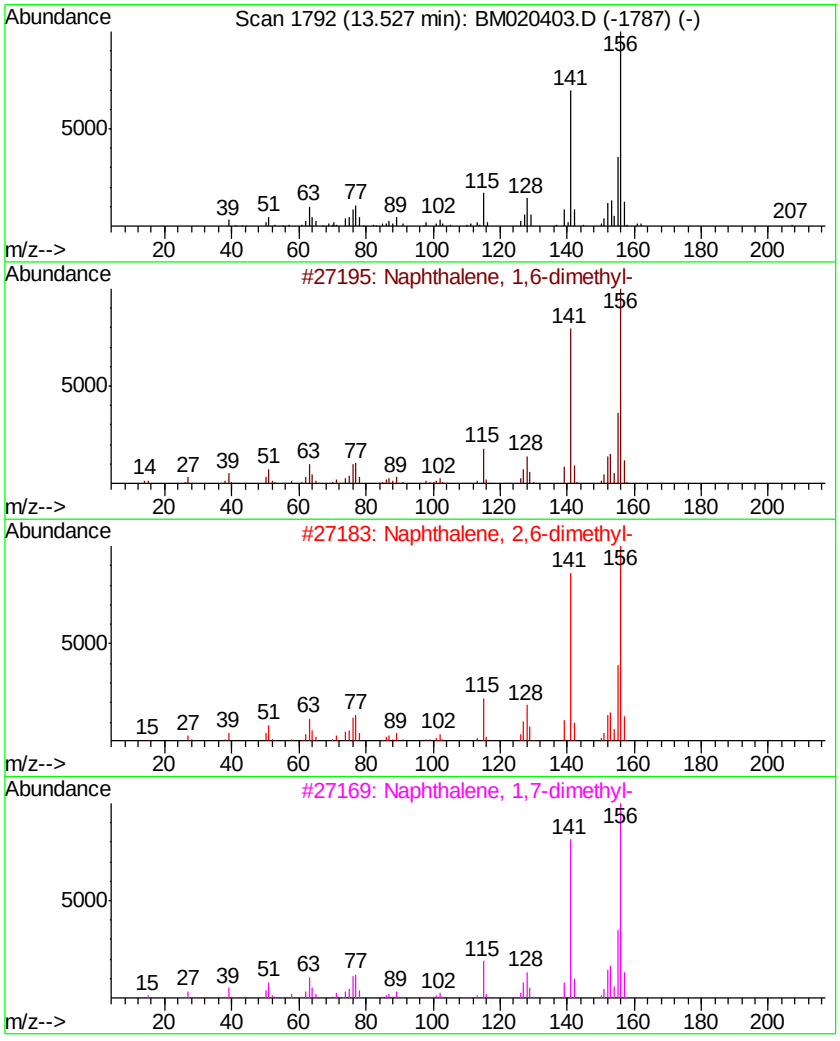
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

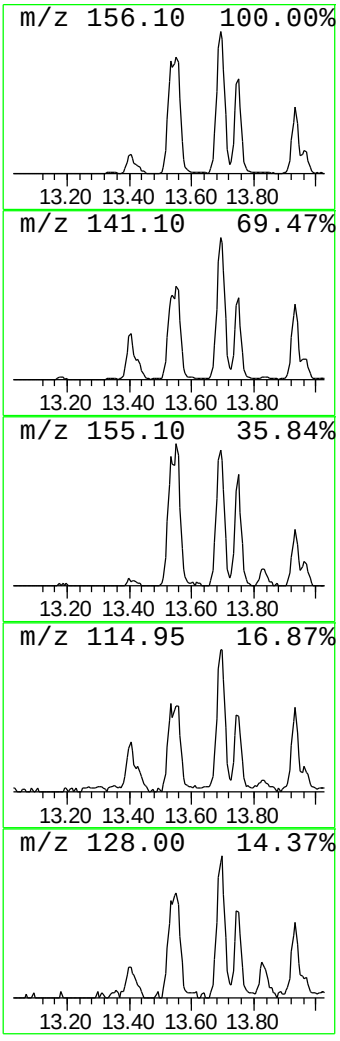
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	8.33 ng/ul	327005	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

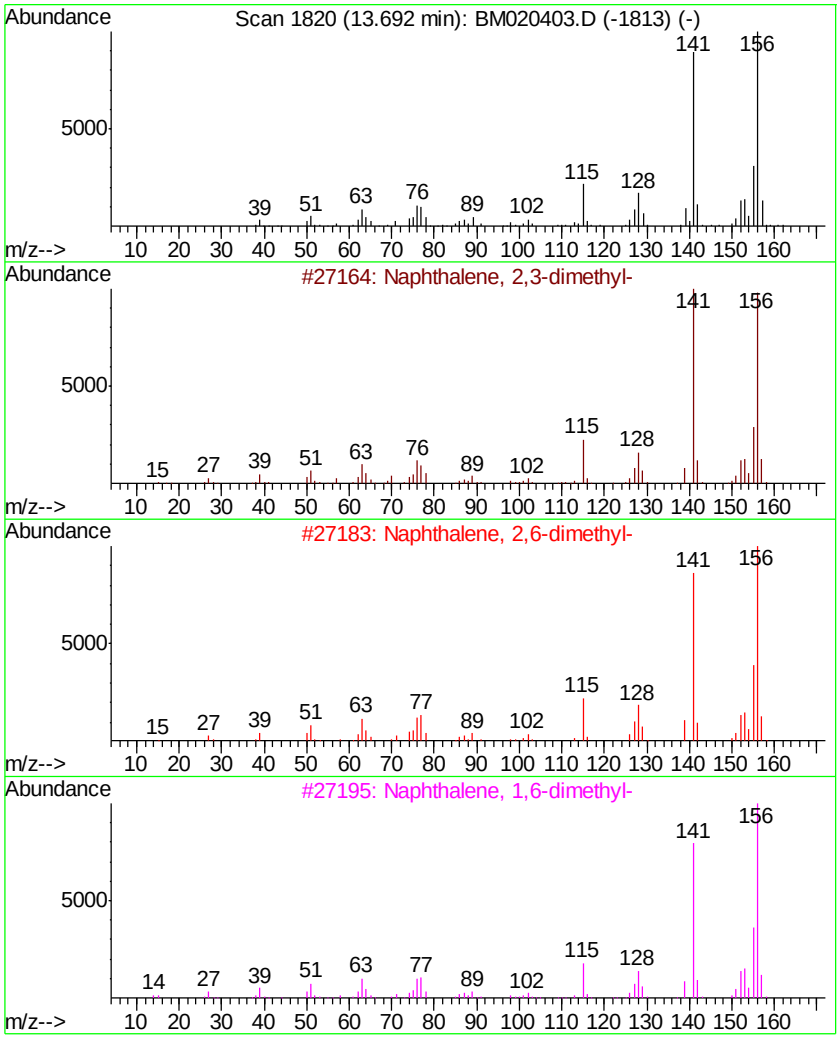
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

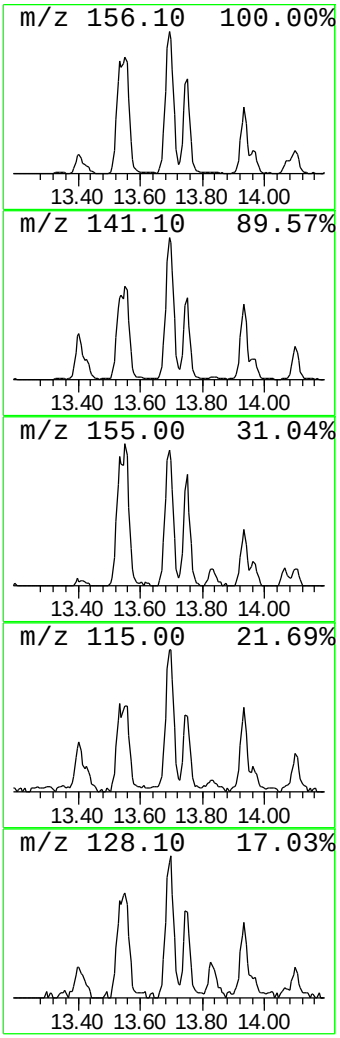
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	13.43 ng/ul	527306	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Acq On : 18 May 2019 16:01
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Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

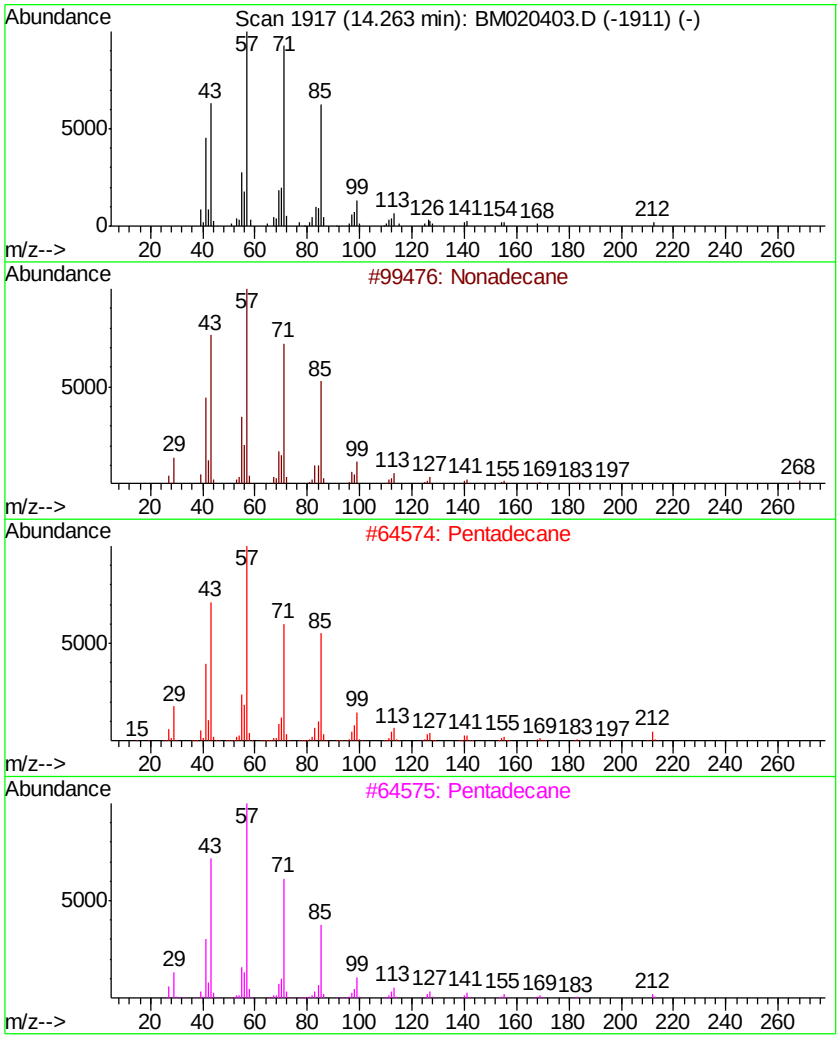
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

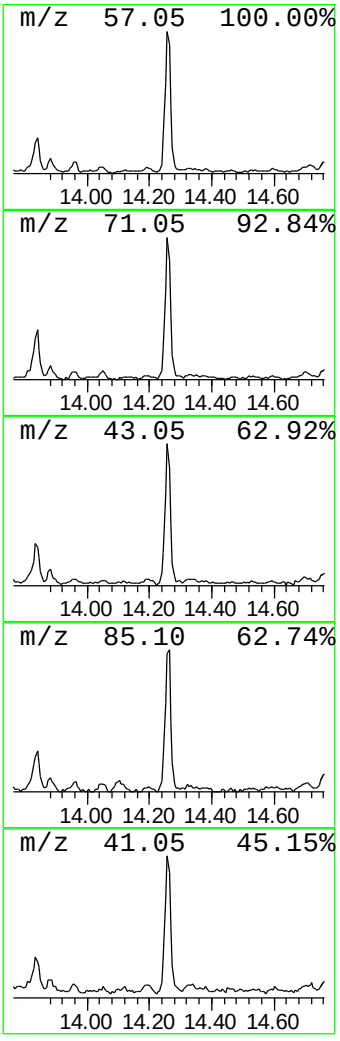
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	6.69 ng/ul	262757	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	76
2	Pentadecane	212	C15H32	000629-62-9	68
3	Pentadecane	212	C15H32	000629-62-9	64
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
5	Tetradecane	198	C14H30	000629-59-4	64





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

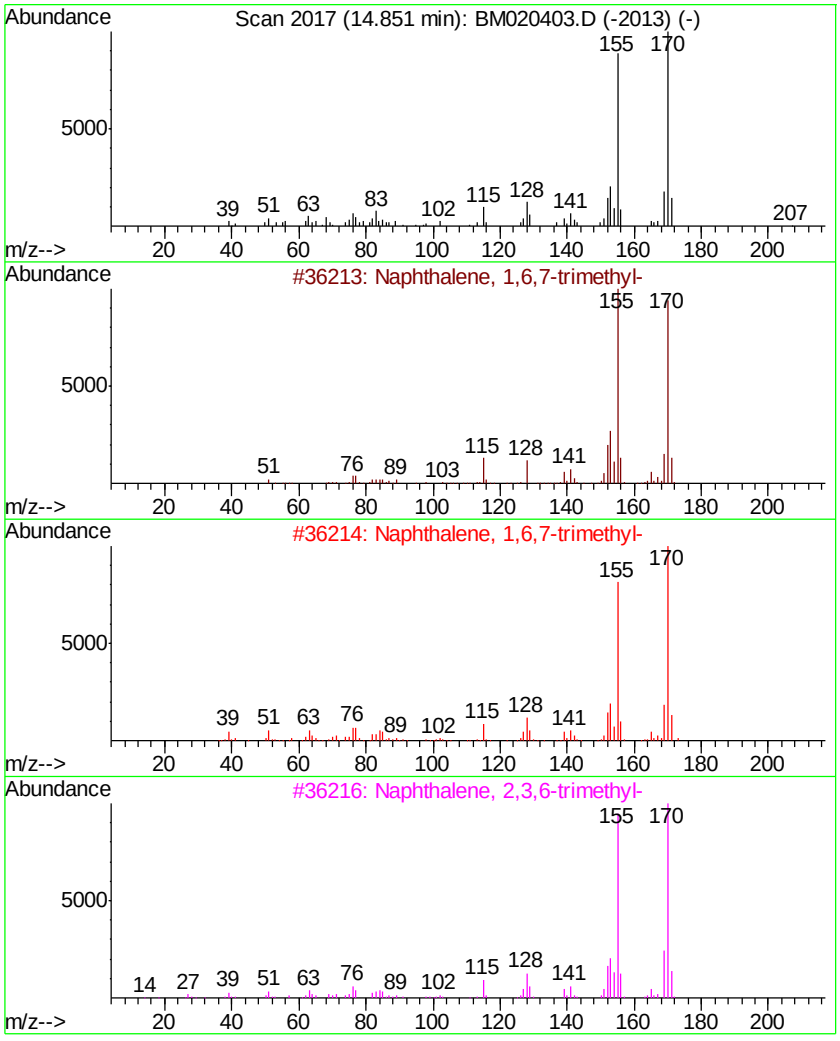
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

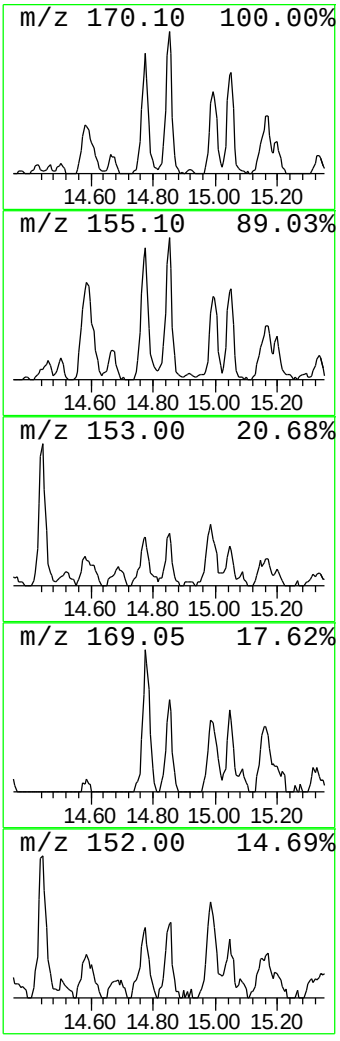
****

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.14 ng/ul	123256	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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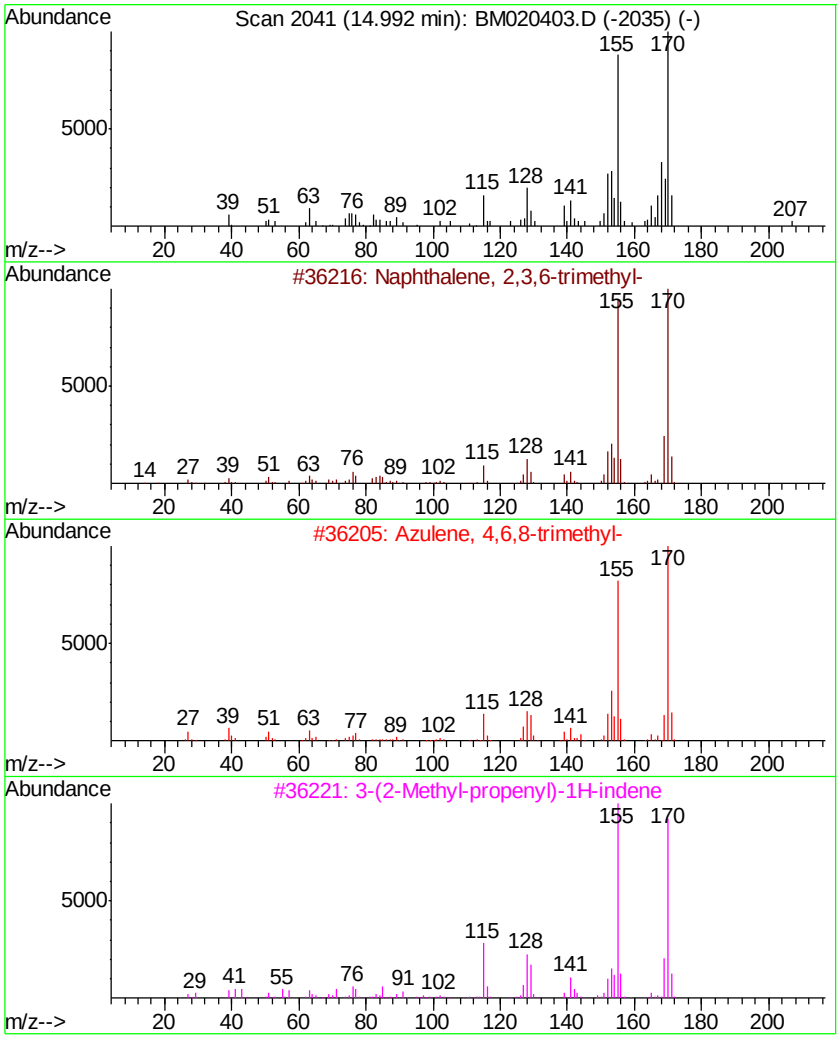
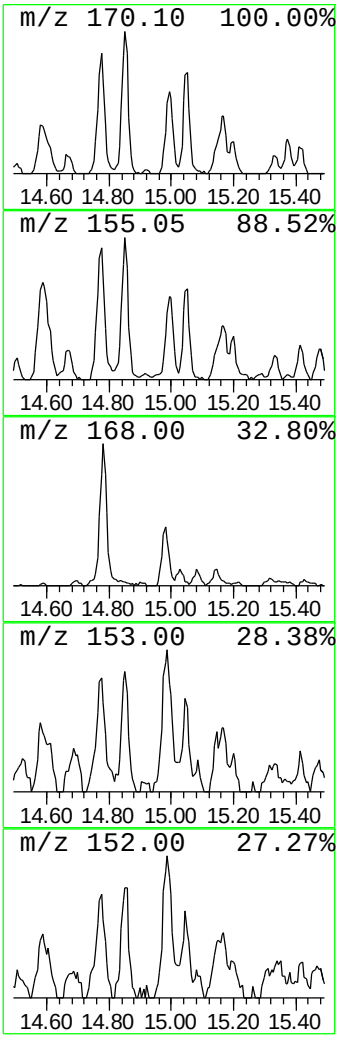
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	3.69 ng/ul	145020	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	60
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	53
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	53
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	49
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	49





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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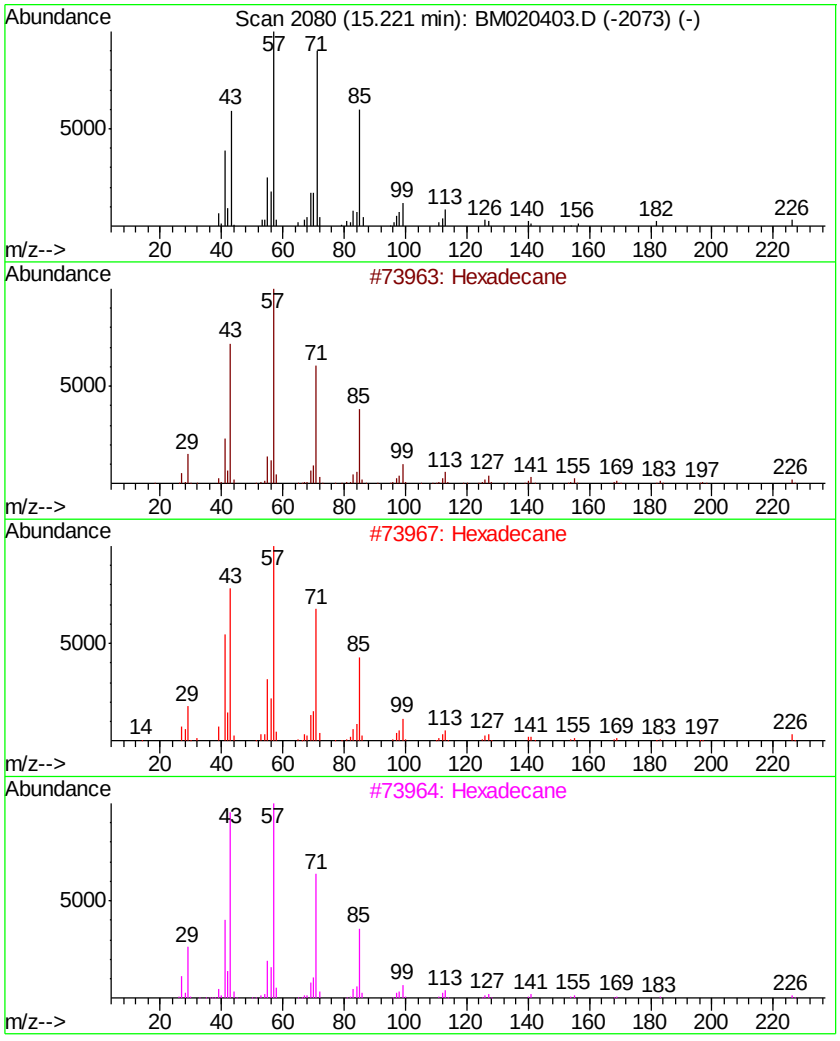
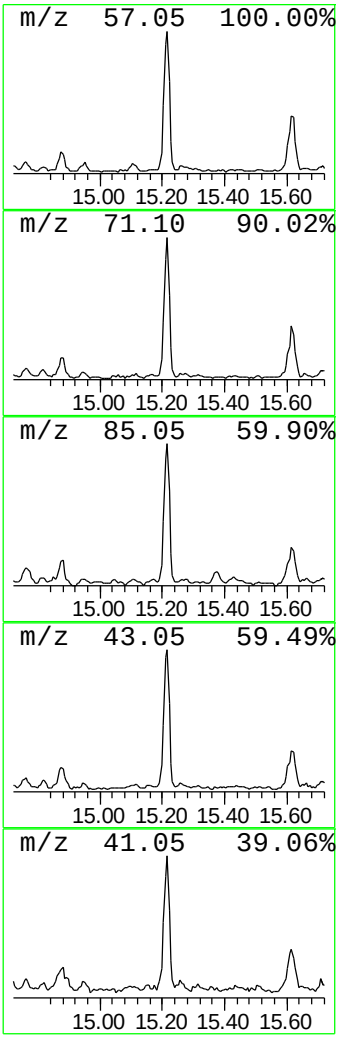
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	6.82 ng/ul	267785	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	83
5	Tetradecane	198	C14H30	000629-59-4	64





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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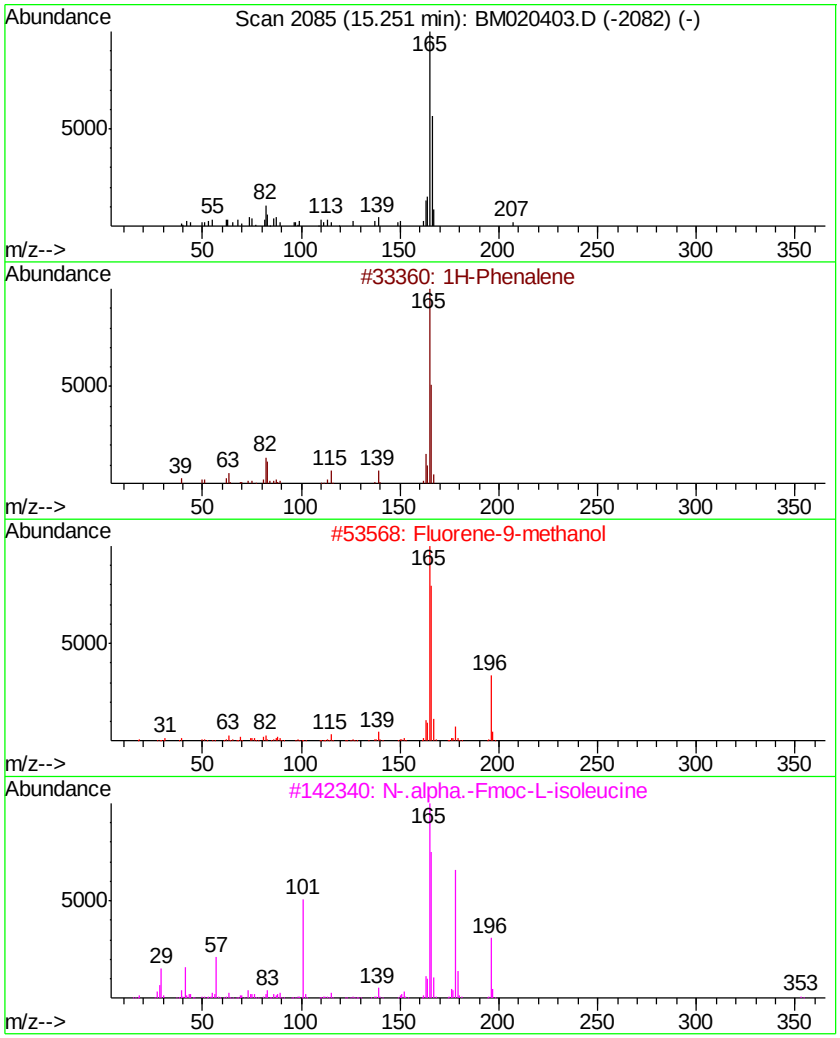
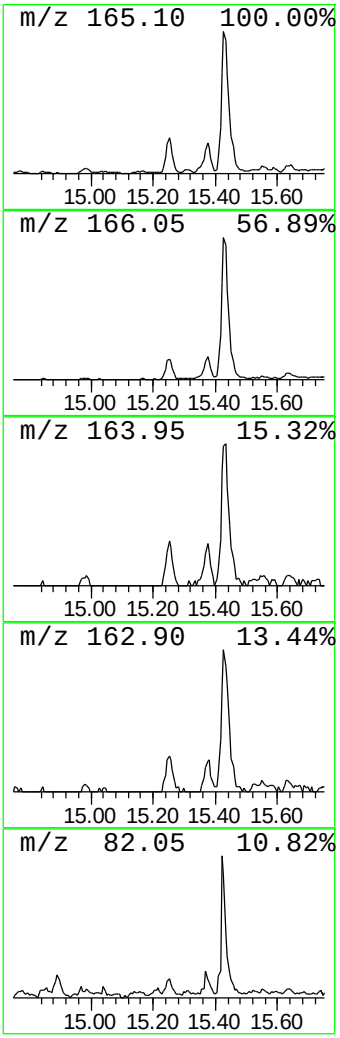
Peak Number 13 1H-Phenalene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	2.06 ng/ul	80949	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	80
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	72
3	N-.alpha.-Fmoc-L-isoleucine	353	C21H23NO4	071989-23-6	72
4	L-Alanine, N-[(9H-fluoren-9-ylme...	311	C18H17NO4	035661-39-3	64
5	2-Chlorofluorene	200	C13H9Cl	002523-44-6	59





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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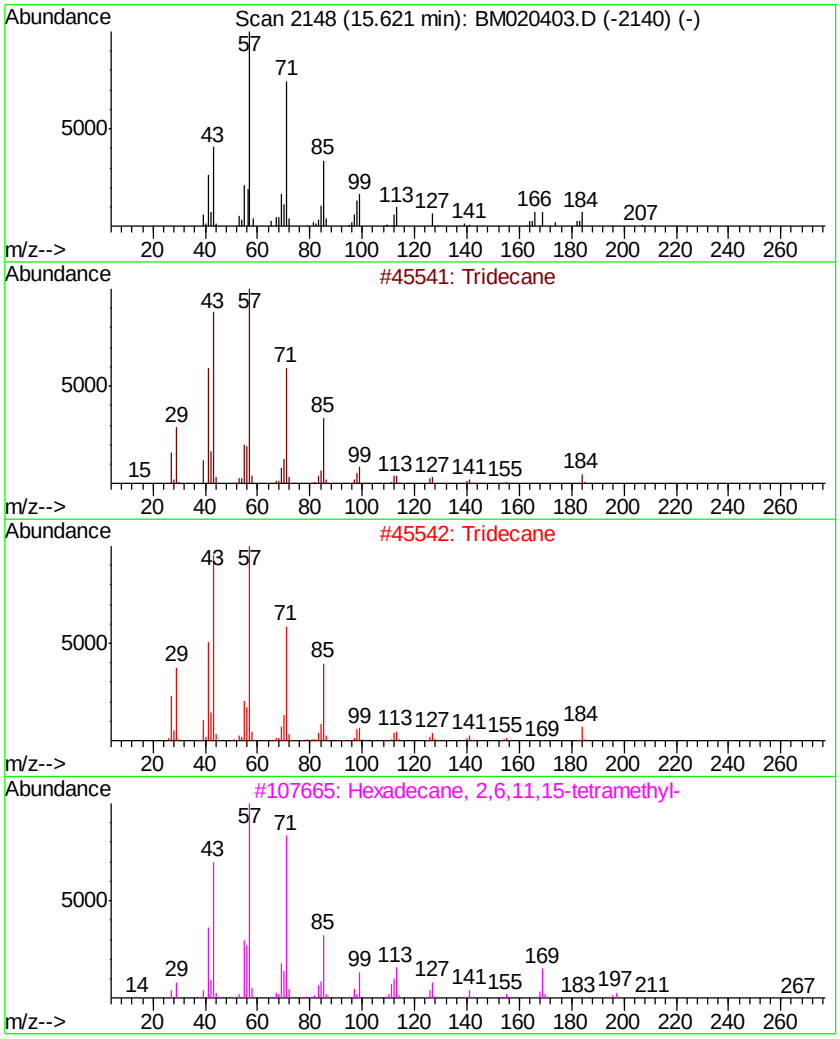
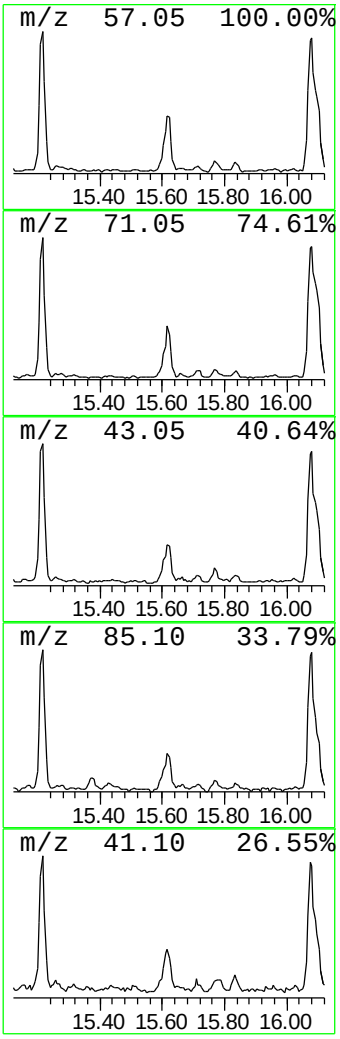
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	5.08 ng/ul	199486	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Tridecane	184	C13H28	000629-50-5	87
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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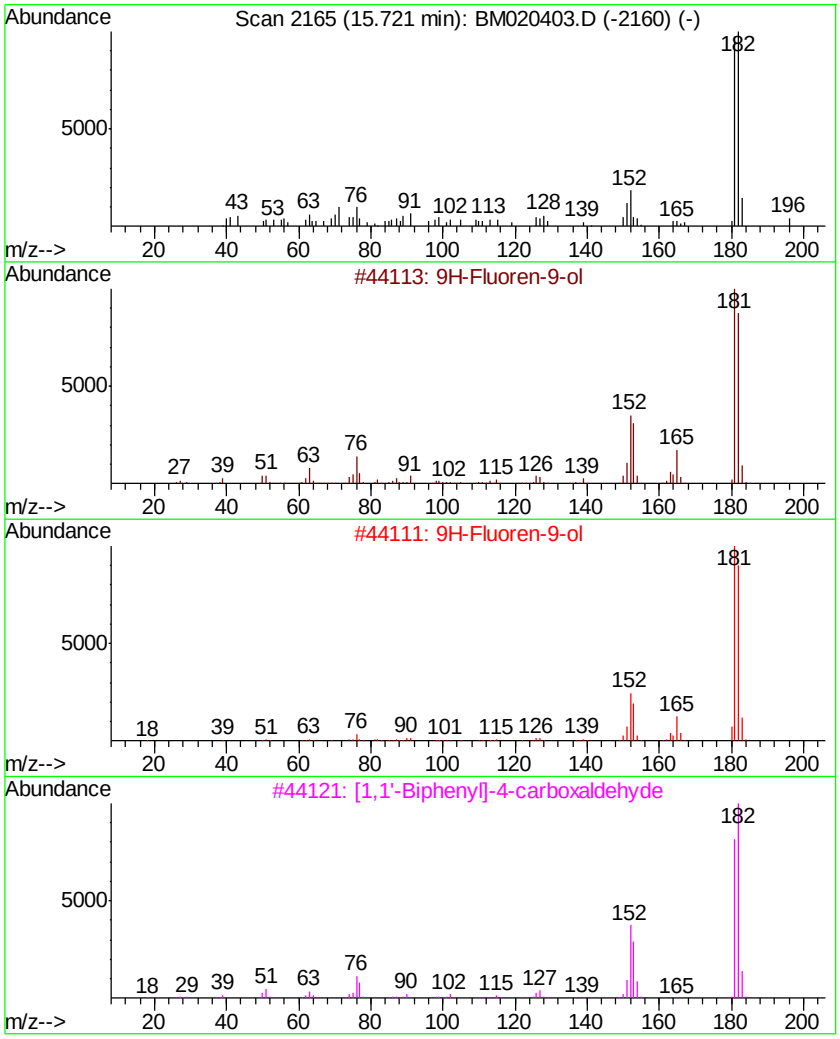
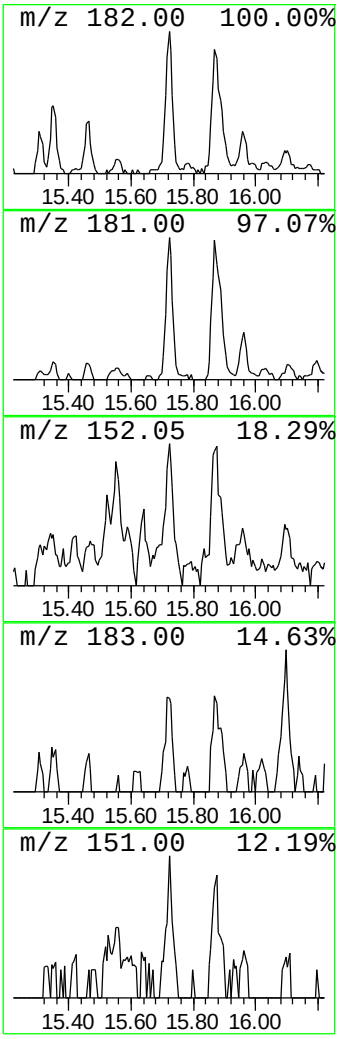
Peak Number 15 9H-Fluoren-9-ol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.76 ng/ul	108482	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58





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Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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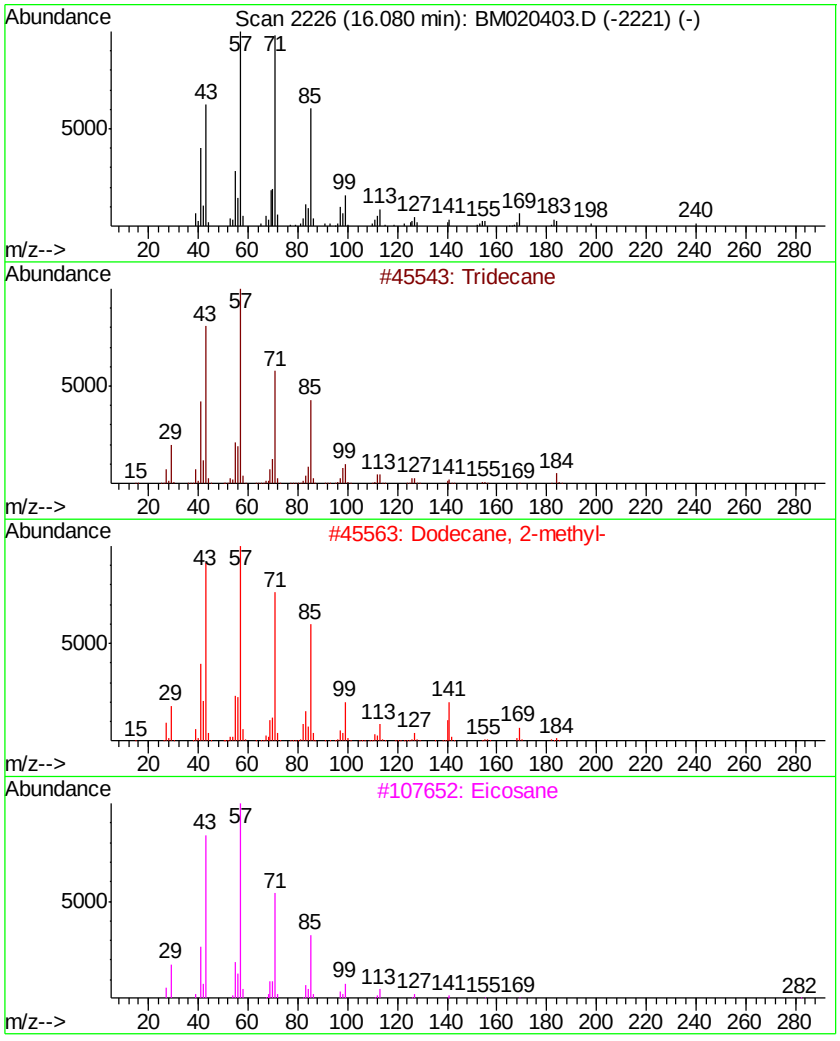
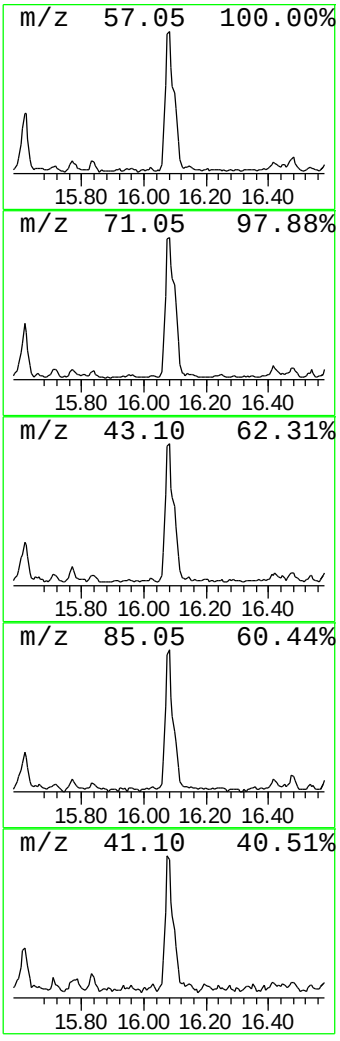
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	9.08 ng/ul	428199	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	81
3	Eicosane	282	C20H42	000112-95-8	80
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
5	Tridecane	184	C13H28	000629-50-5	72





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Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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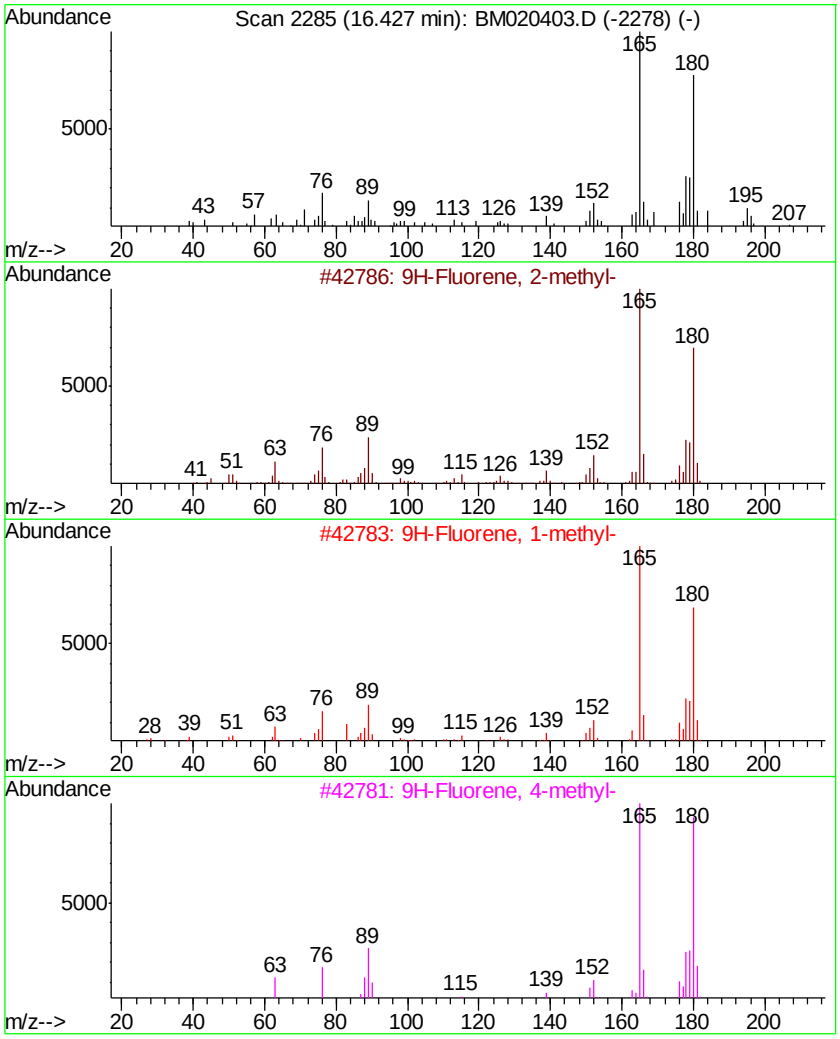
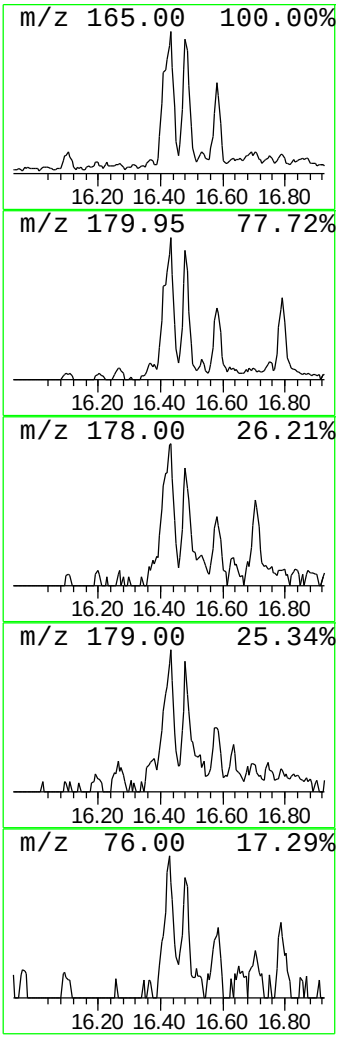
Peak Number 17 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	4.50 ng/ul	212326	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76





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Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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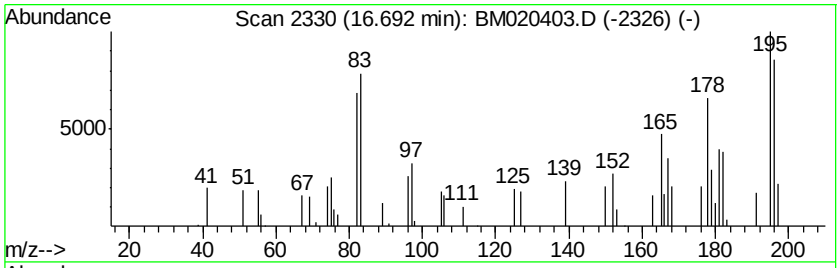
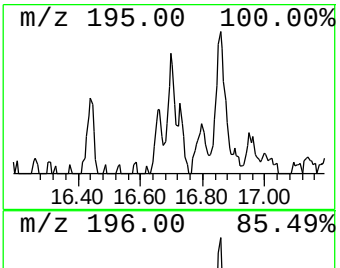
Peak Number 19 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.08 ng/ul	98084	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	27
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	27
3	2-Phenoxypyridine-3-carbonitrile	196	C12H8N2O	014178-15-5	25
4	Pentafluorobenzaldehyde	196	C7HF5O	000653-37-2	22
5	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	18





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Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

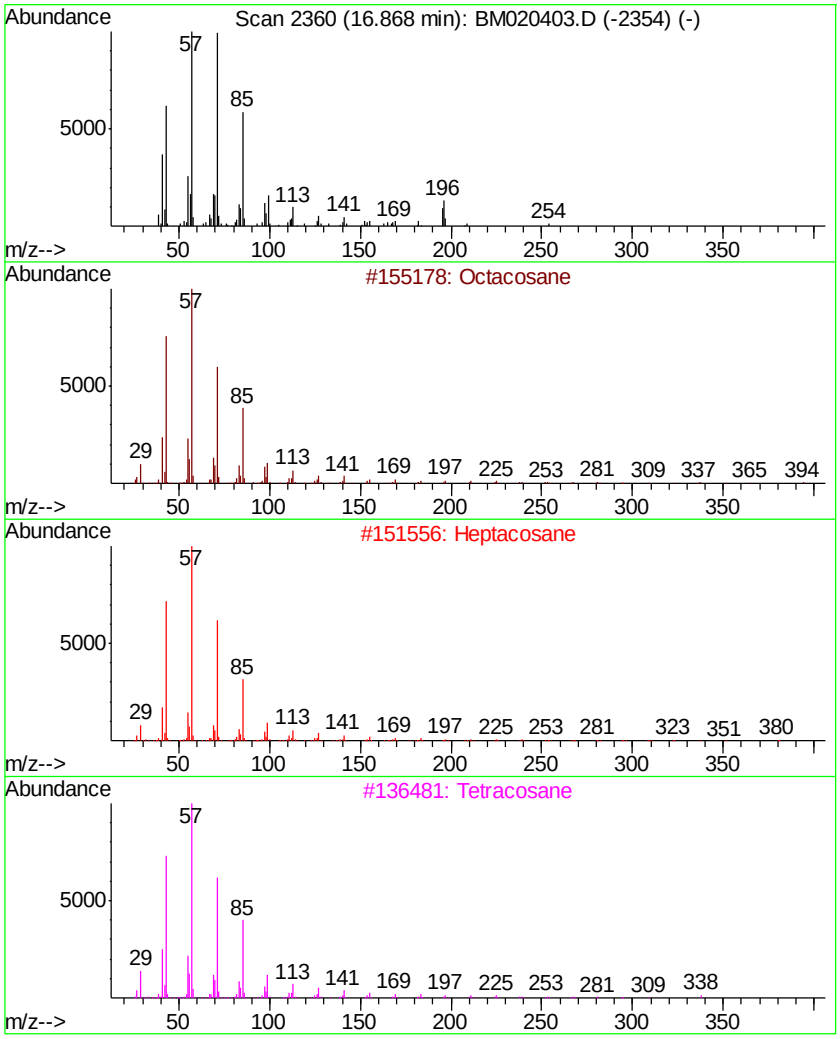
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

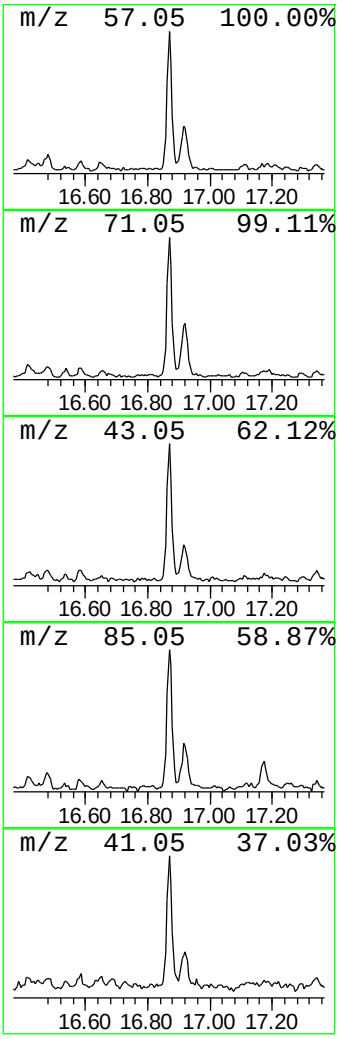
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	5.08 ng/ul	239869	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	74
2	Heptacosane	380	C27H56	000593-49-7	72
3	Tetracosane	338	C24H50	000646-31-1	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Eicosane	282	C20H42	000112-95-8	72





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

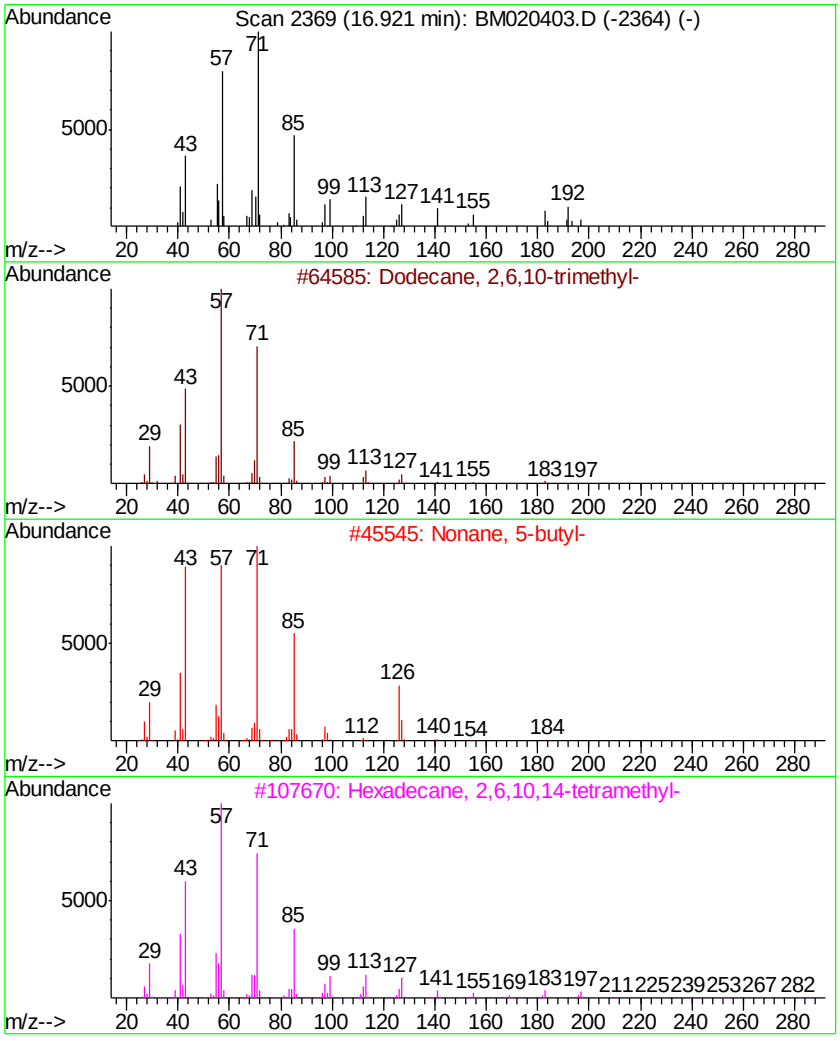
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

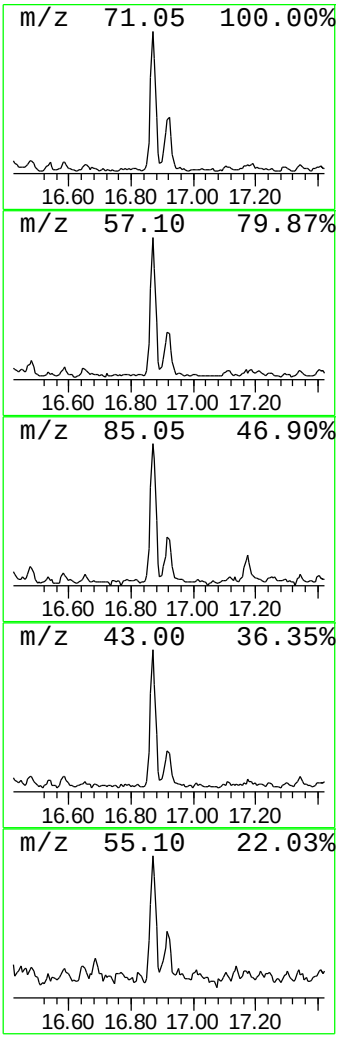
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	2.04 ng/ul	96198	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	59
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	59
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

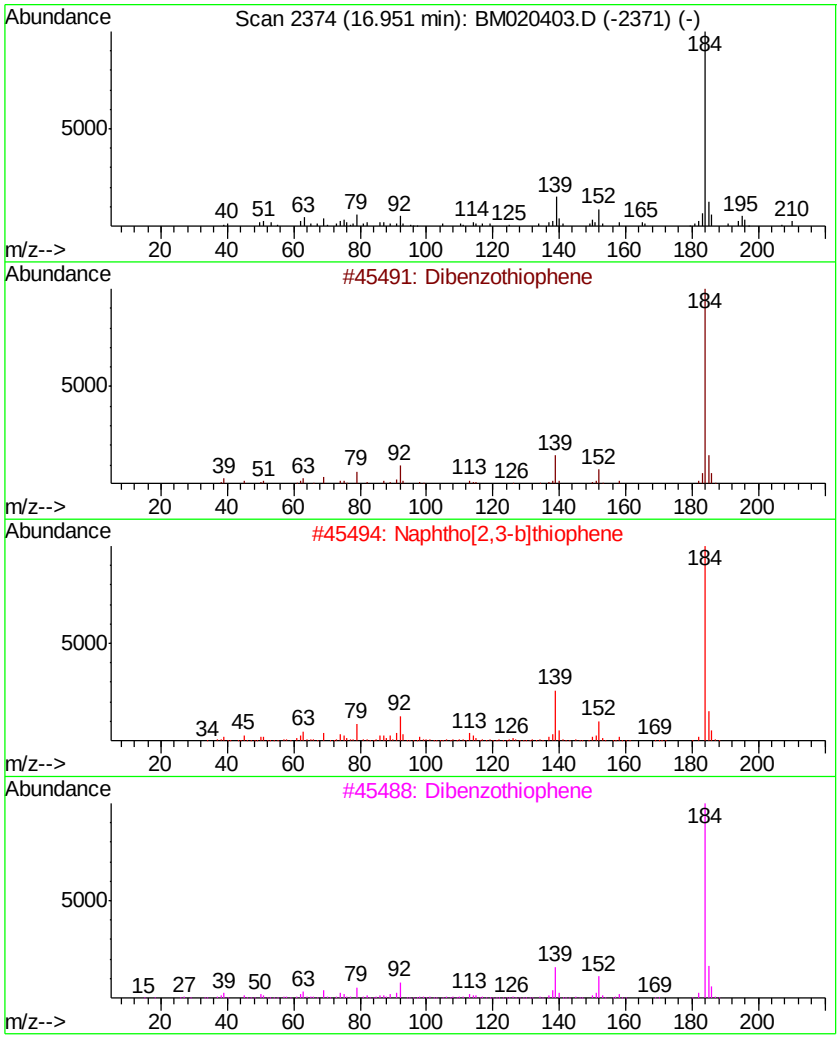
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

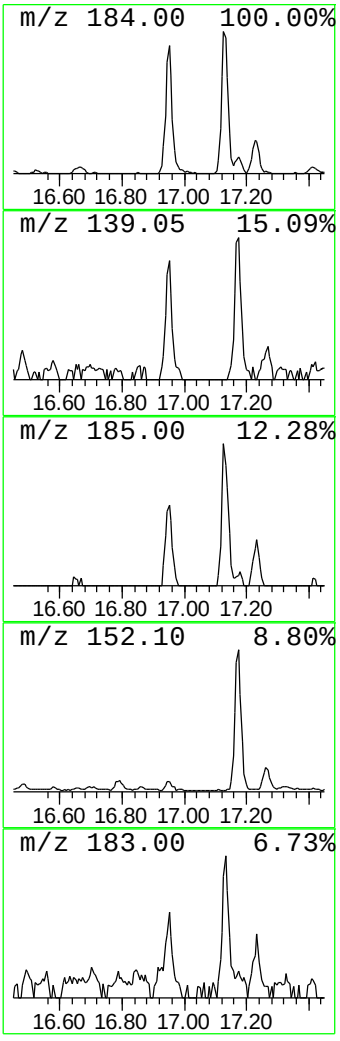
****

Peak Number 22 Dibenzothiophene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	2.45 ng/ul	115801	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	89
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

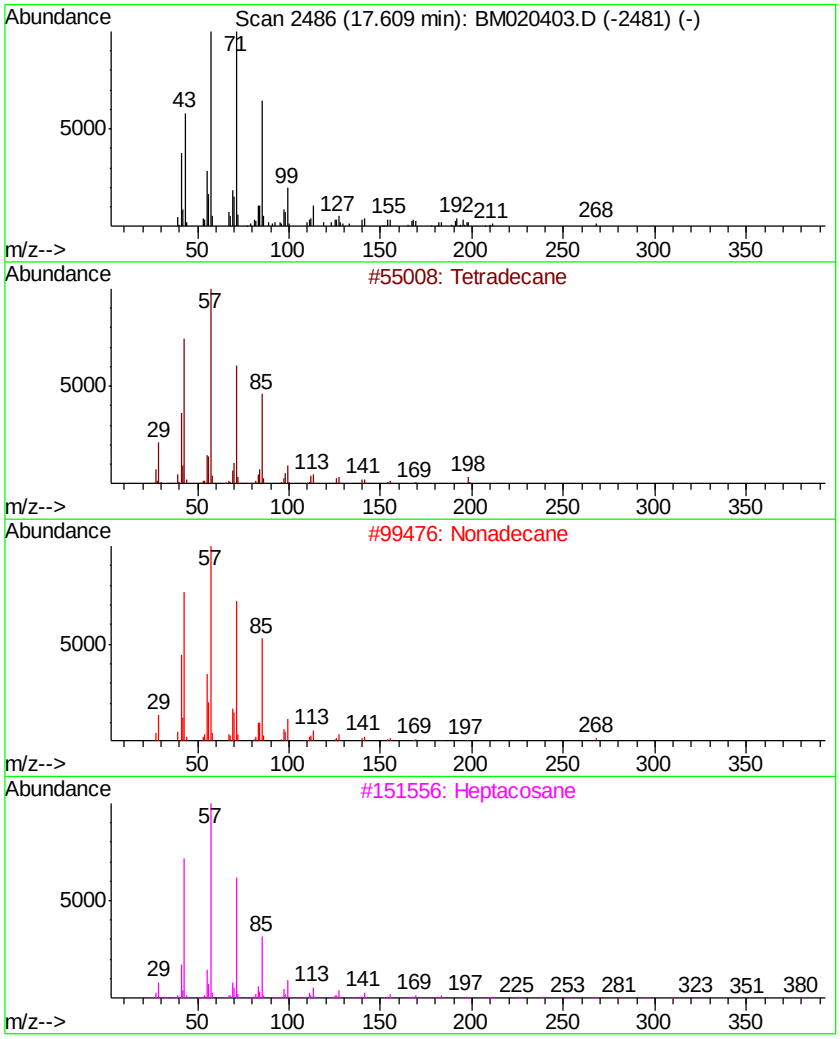
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

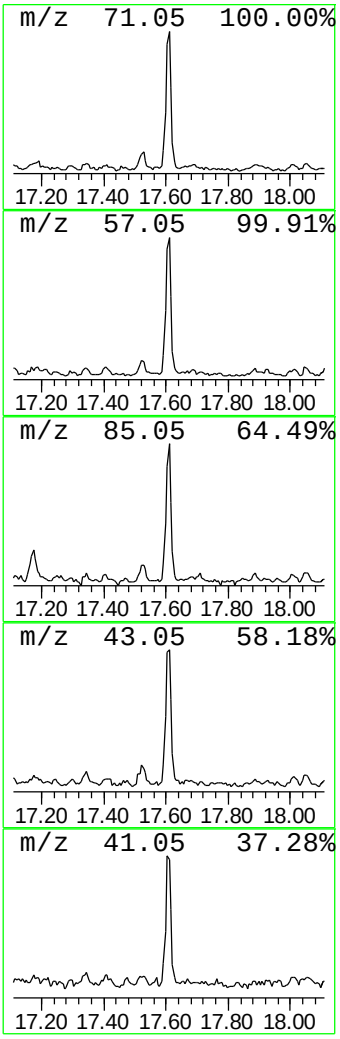
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	3.37 ng/ul	159109	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Nonadecane	268	C19H40	000629-92-5	86
3	Heptacosane	380	C27H56	000593-49-7	74
4	Eicosane	282	C20H42	000112-95-8	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

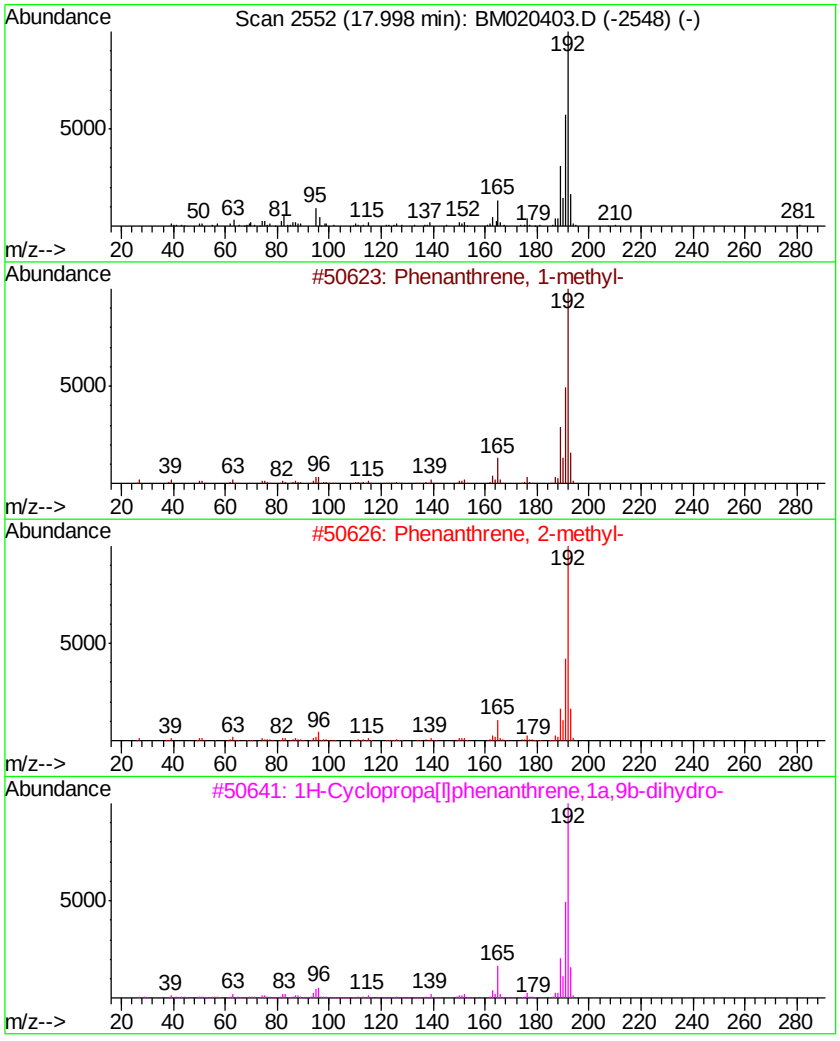
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

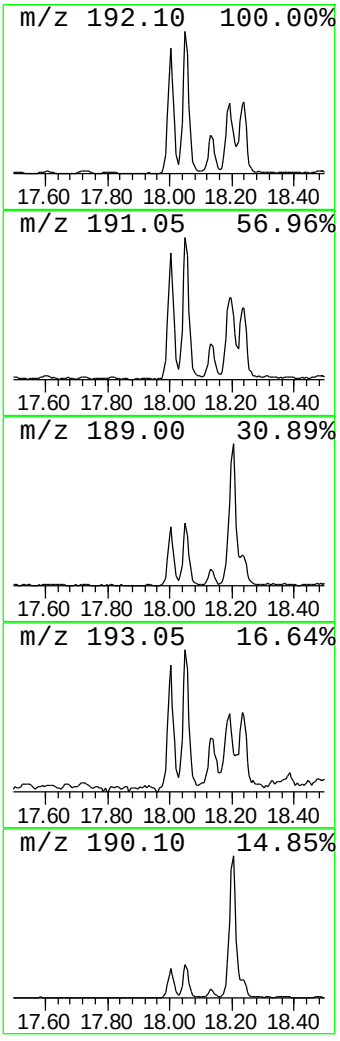
****

Peak Number 24 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	7.40 ng/ul	348971	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

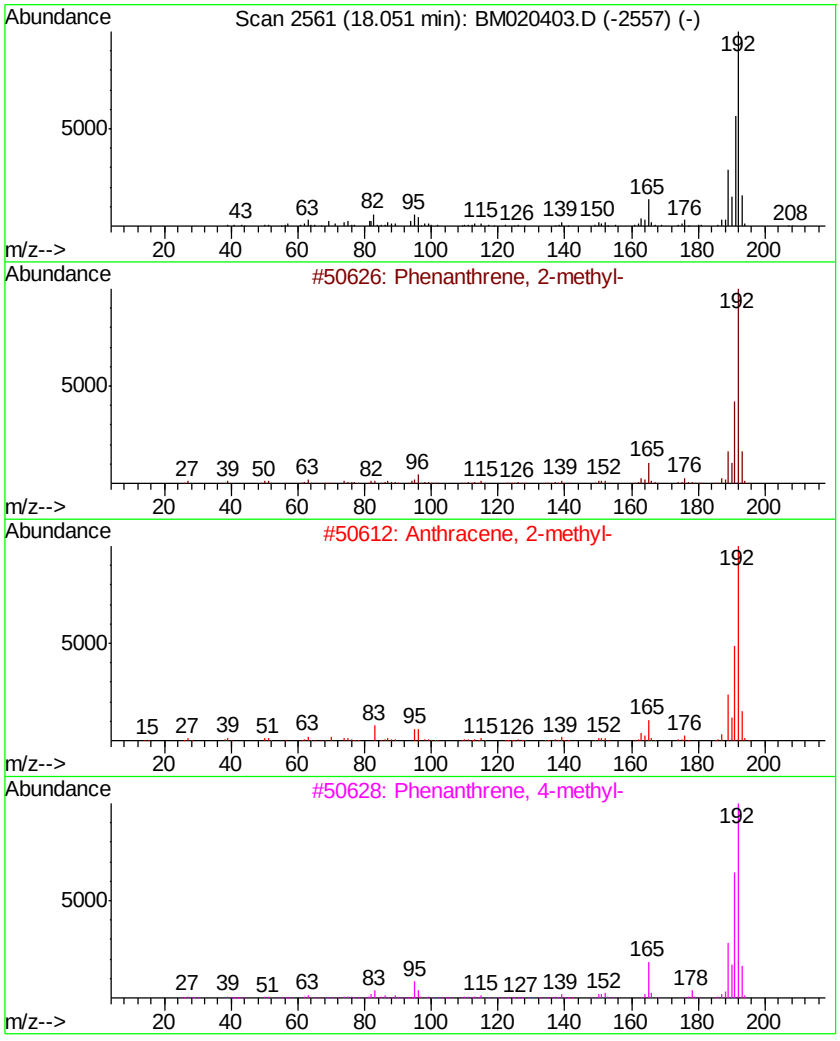
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

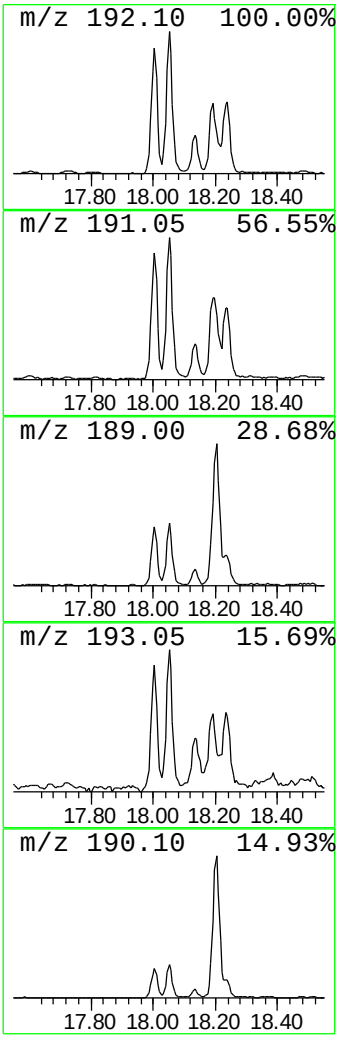
****

Peak Number 25 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	8.03 ng/ul	378879	Phenanthrene-d10	17.13

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





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

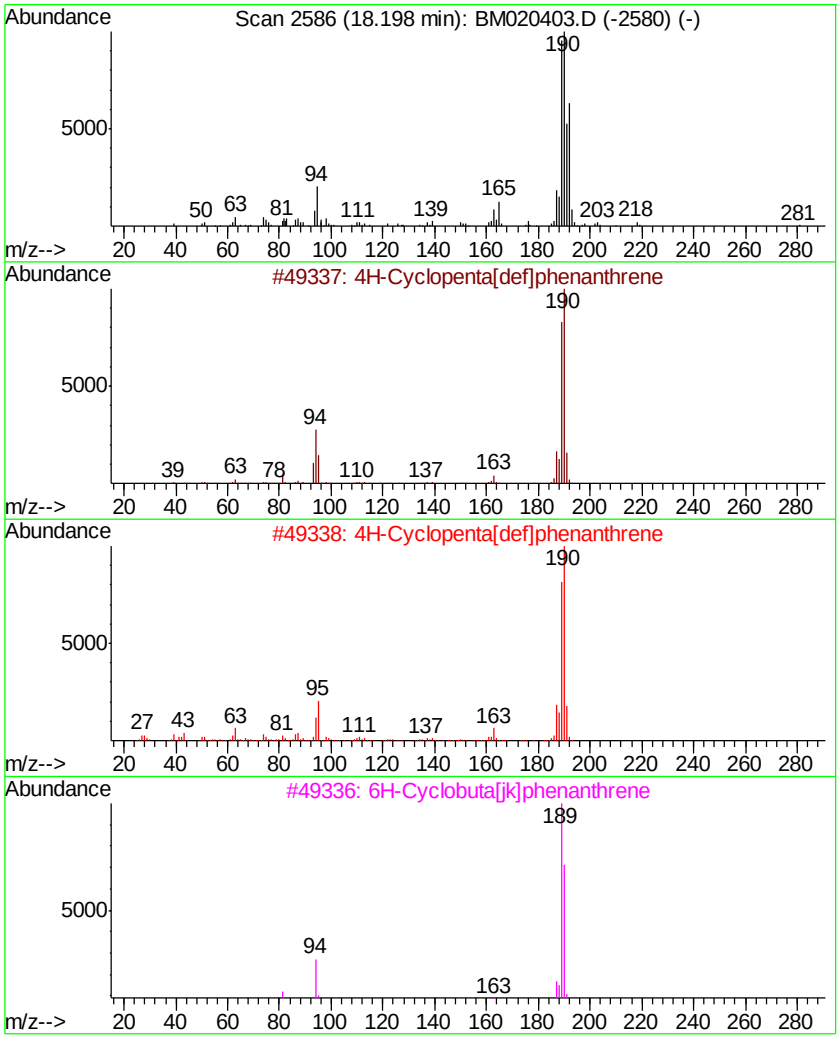
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

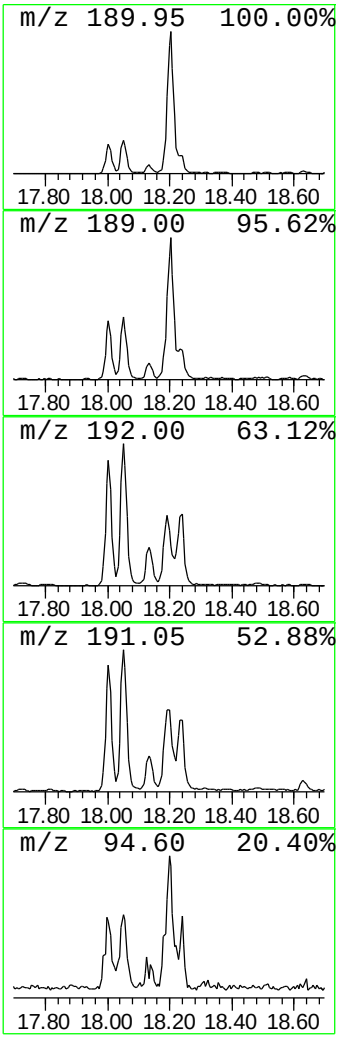
****

Peak Number 27 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	10.40 ng/ul	490877	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

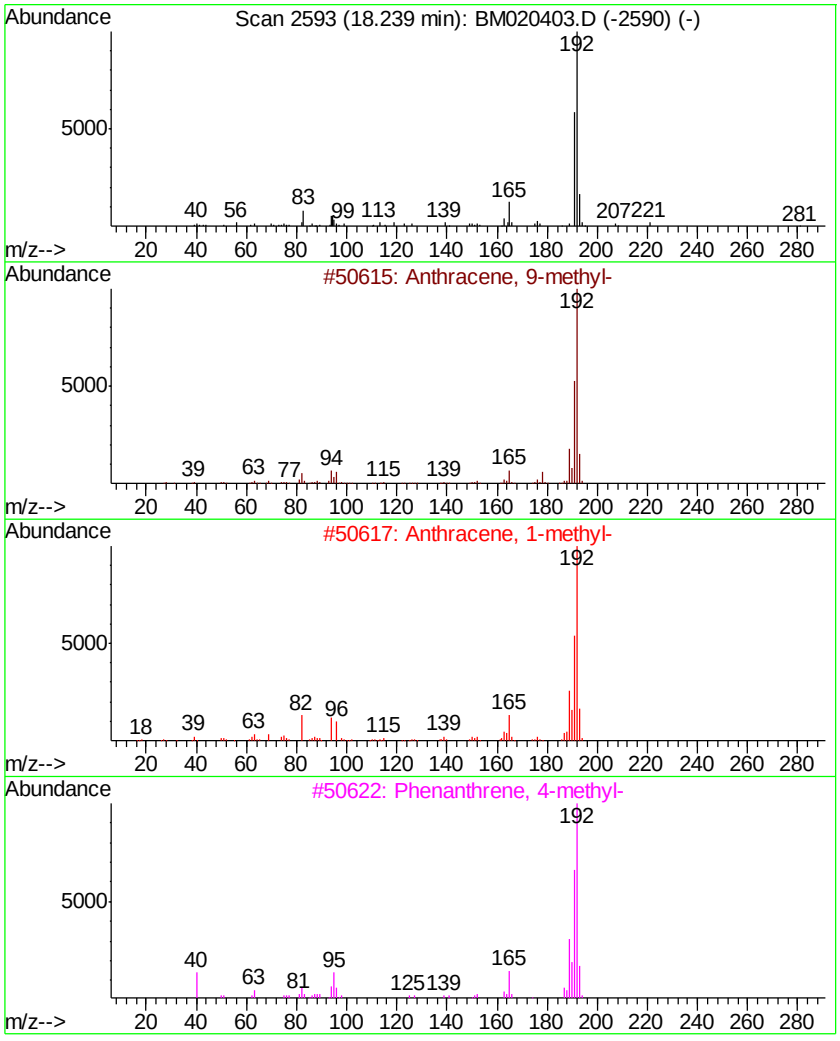
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

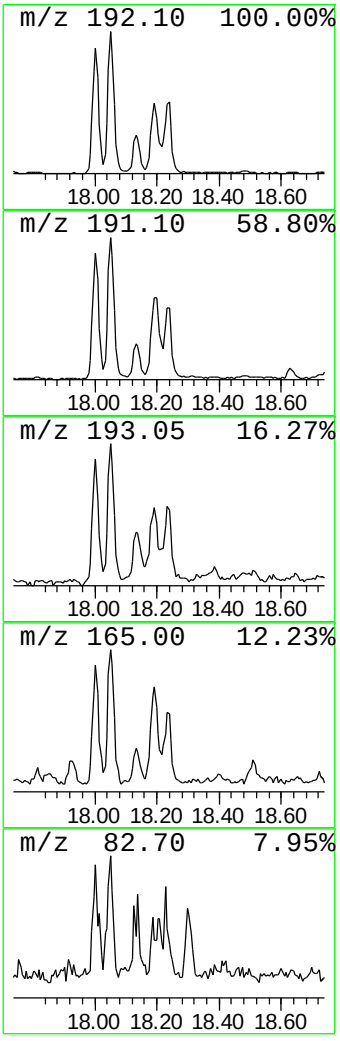
****

Peak Number 28 Anthracene, 9-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	4.14 ng/ul	195319	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

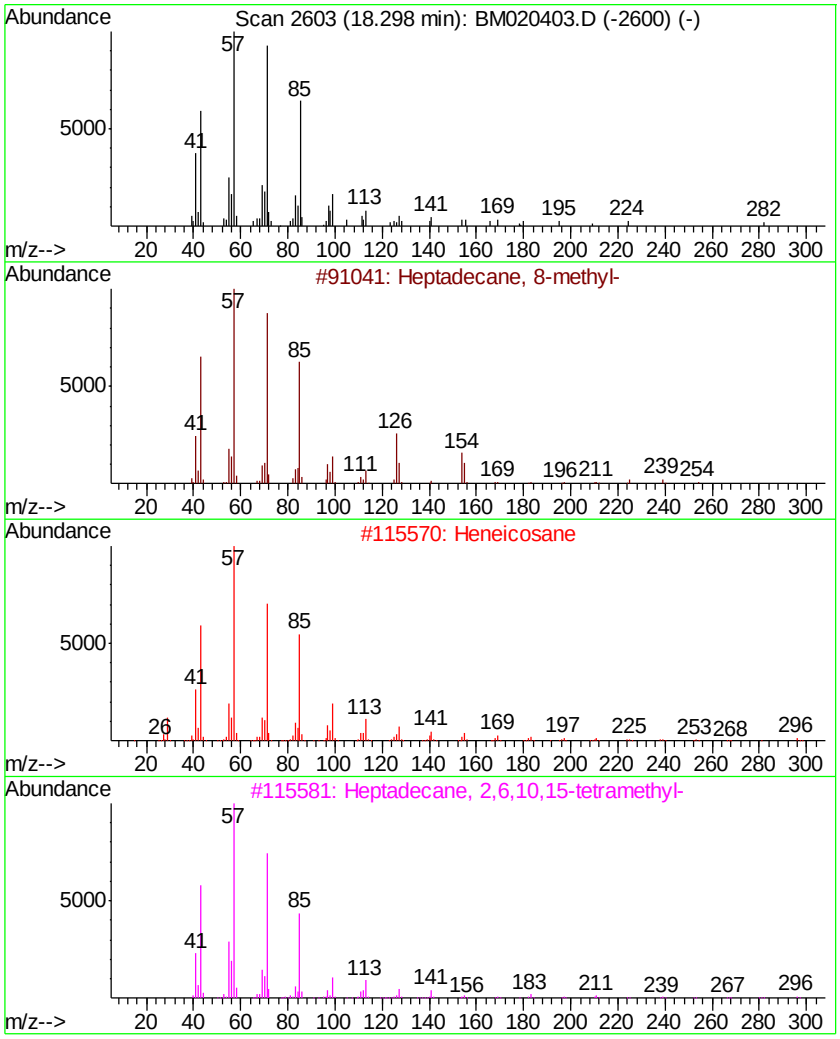
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

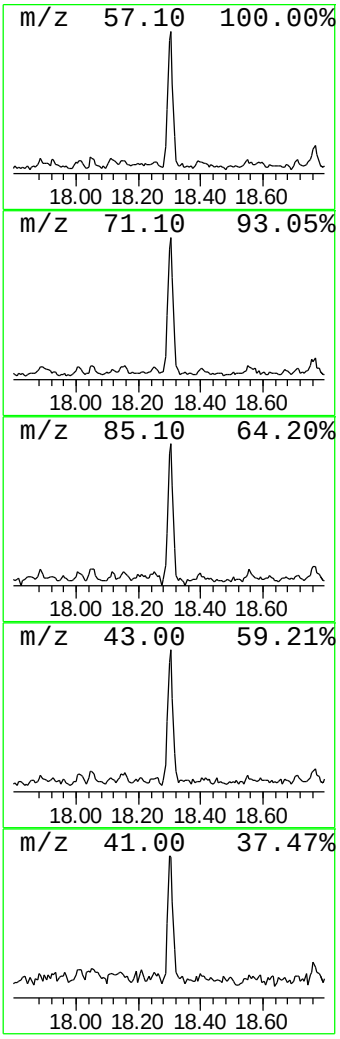
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.88 ng/ul	135877	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
2	Heneicosane	296	C21H44	000629-94-7	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	Octacosane	394	C28H58	000630-02-4	83
5	Heptacosane	380	C27H56	000593-49-7	83





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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

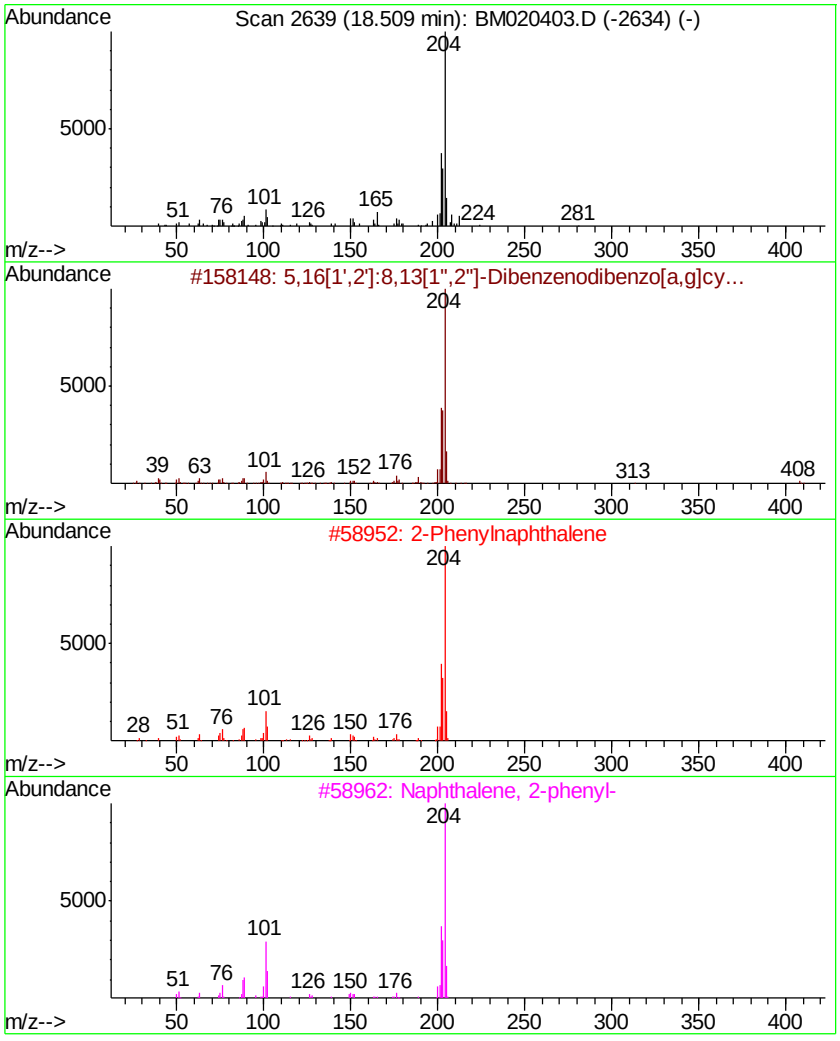
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

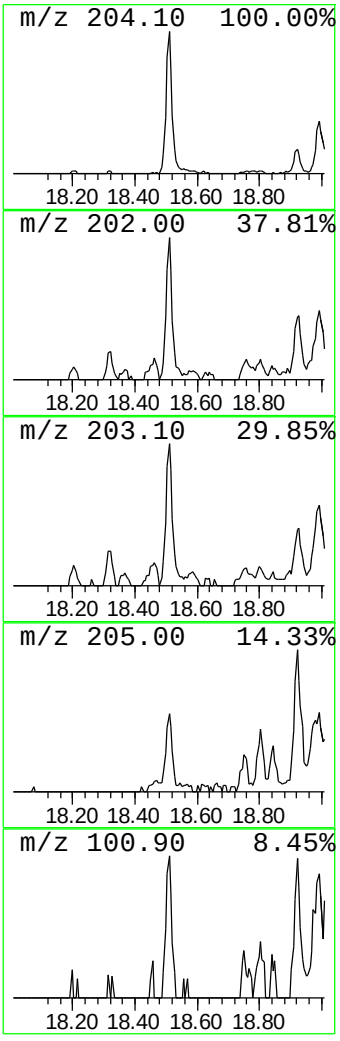
****

Peak Number 30 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	2.70 ng/ul	127177	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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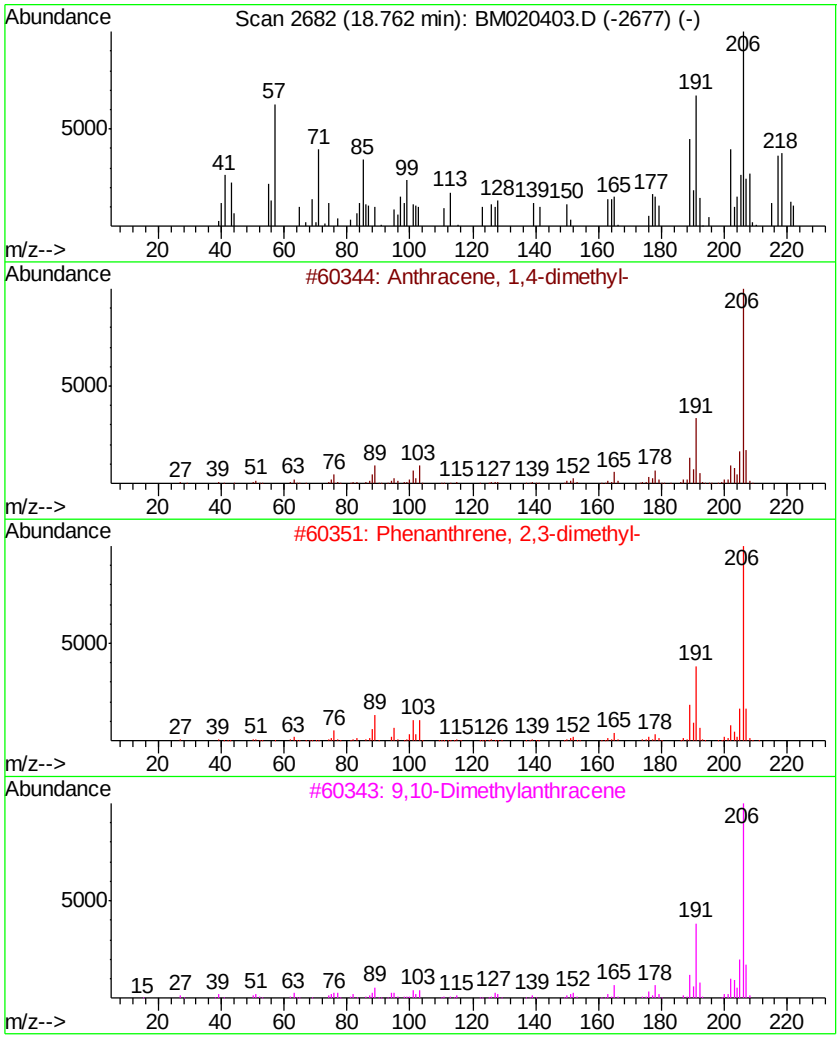
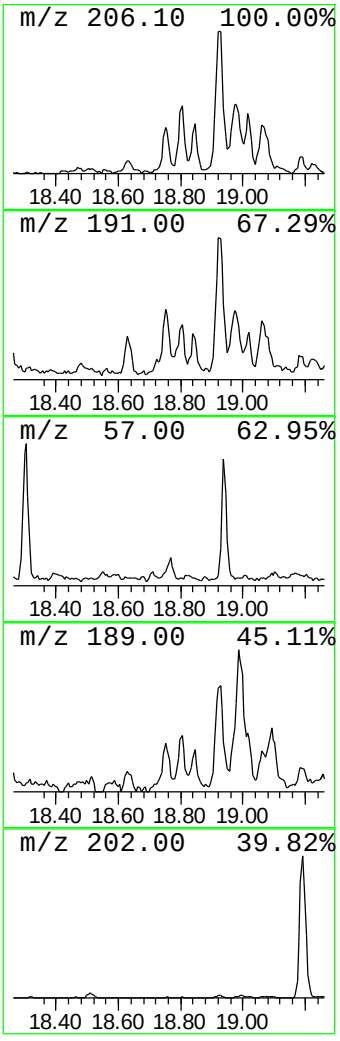
Peak Number 31 Anthracene, 1,4-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.03 ng/ul	95974	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	58
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
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Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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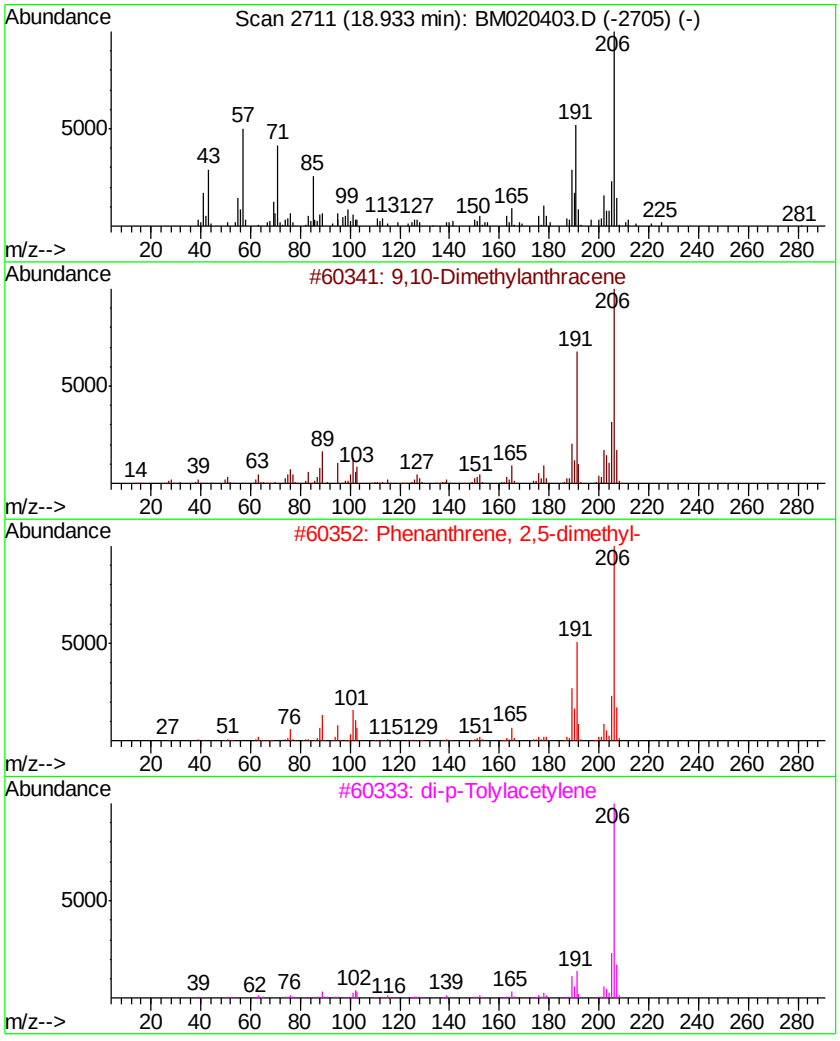
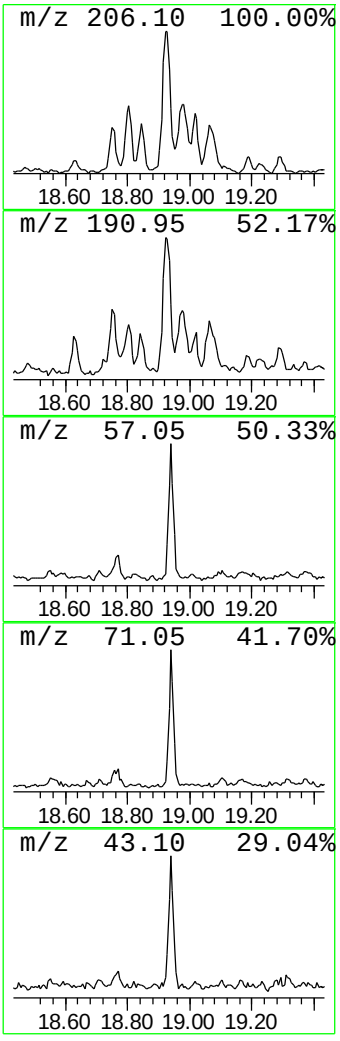
Peak Number 32 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	6.31 ng/ul	297924	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	64





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Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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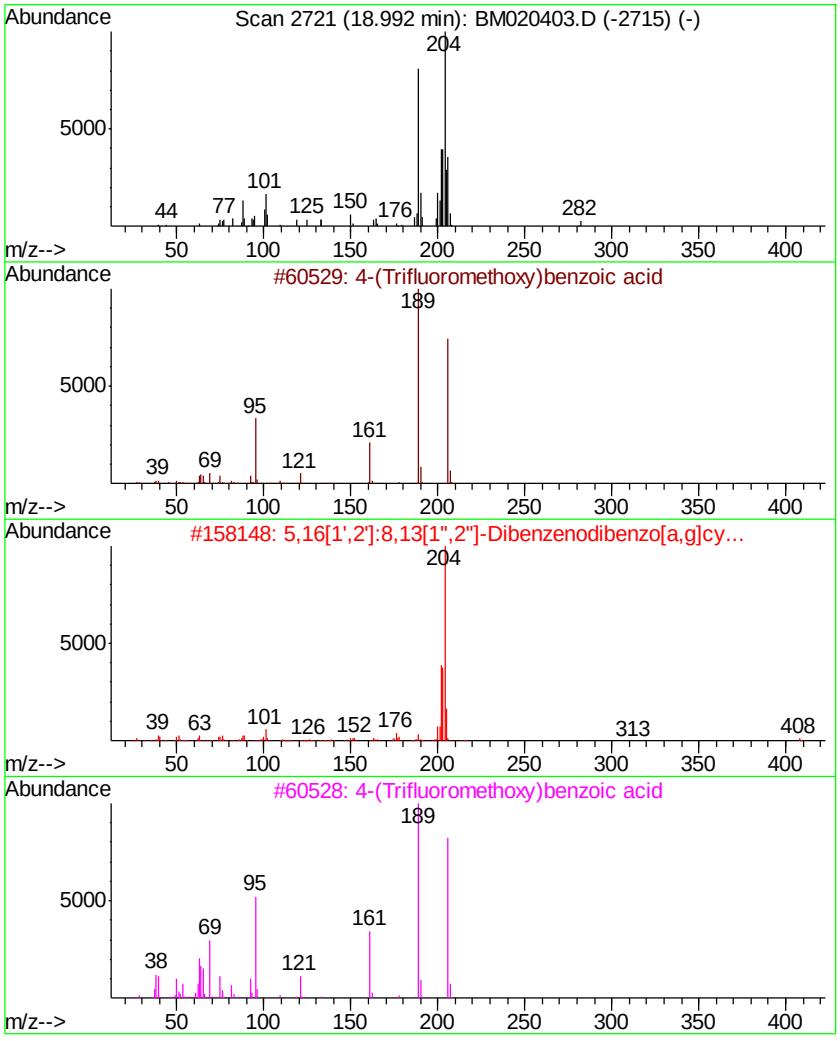
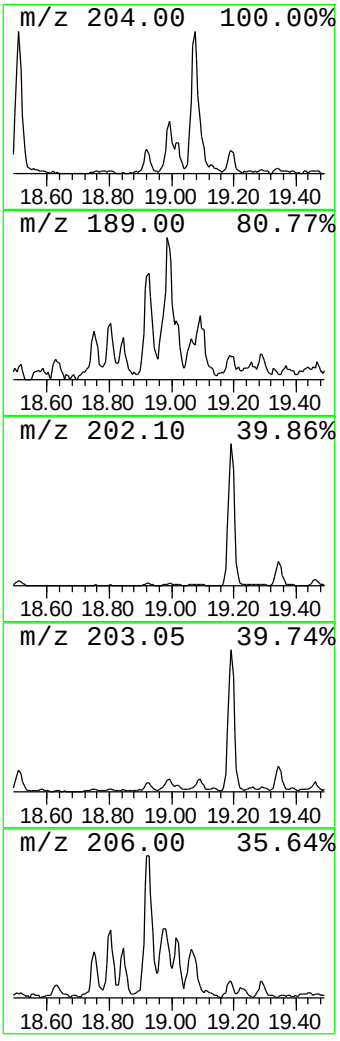
Peak Number 33 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	3.02 ng/ul	142286	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	35
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
3	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	35
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	30
5	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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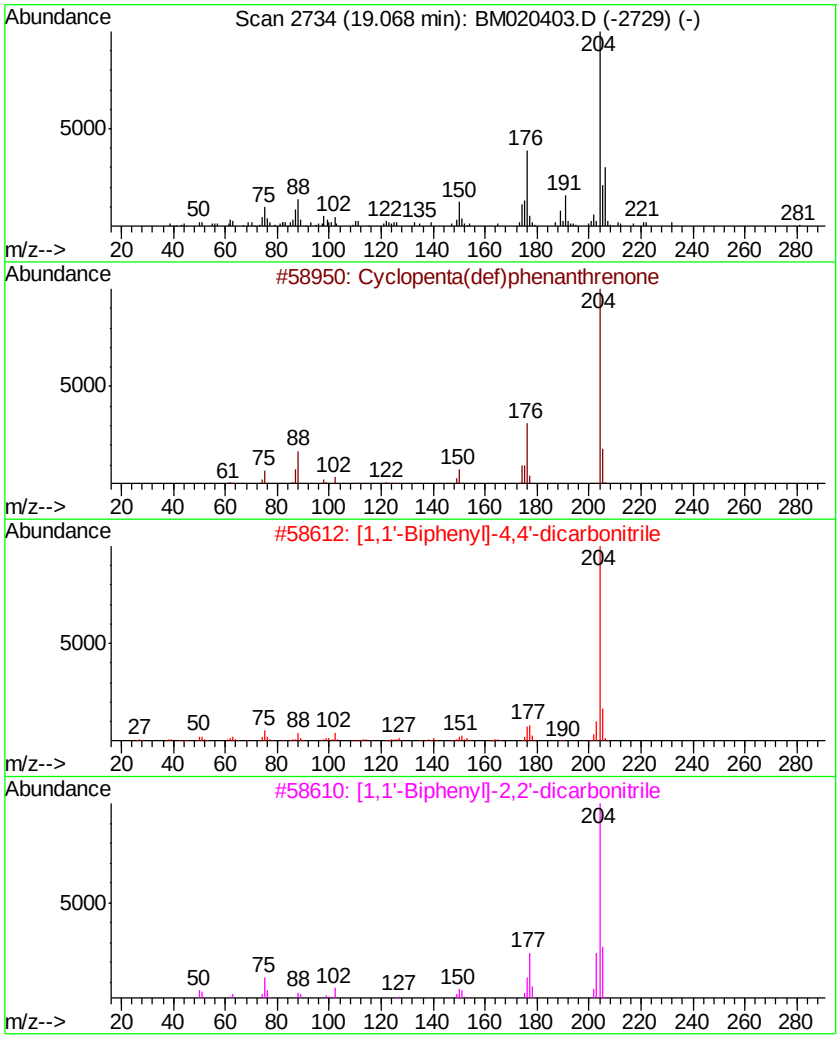
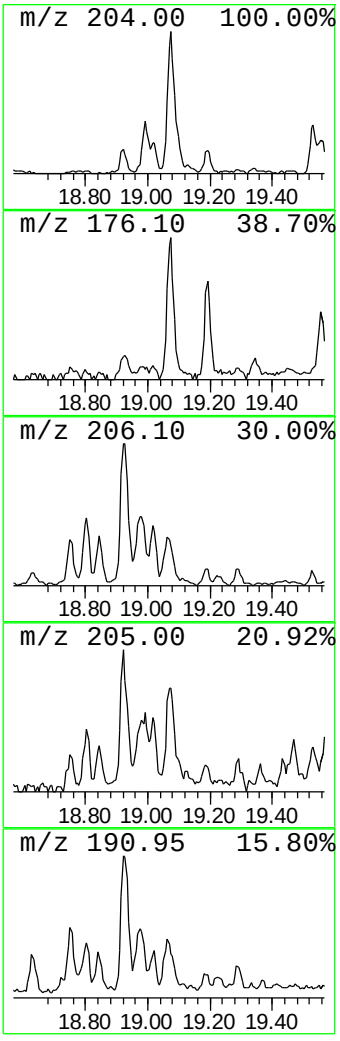
Peak Number 34 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	5.23 ng/ul	246753	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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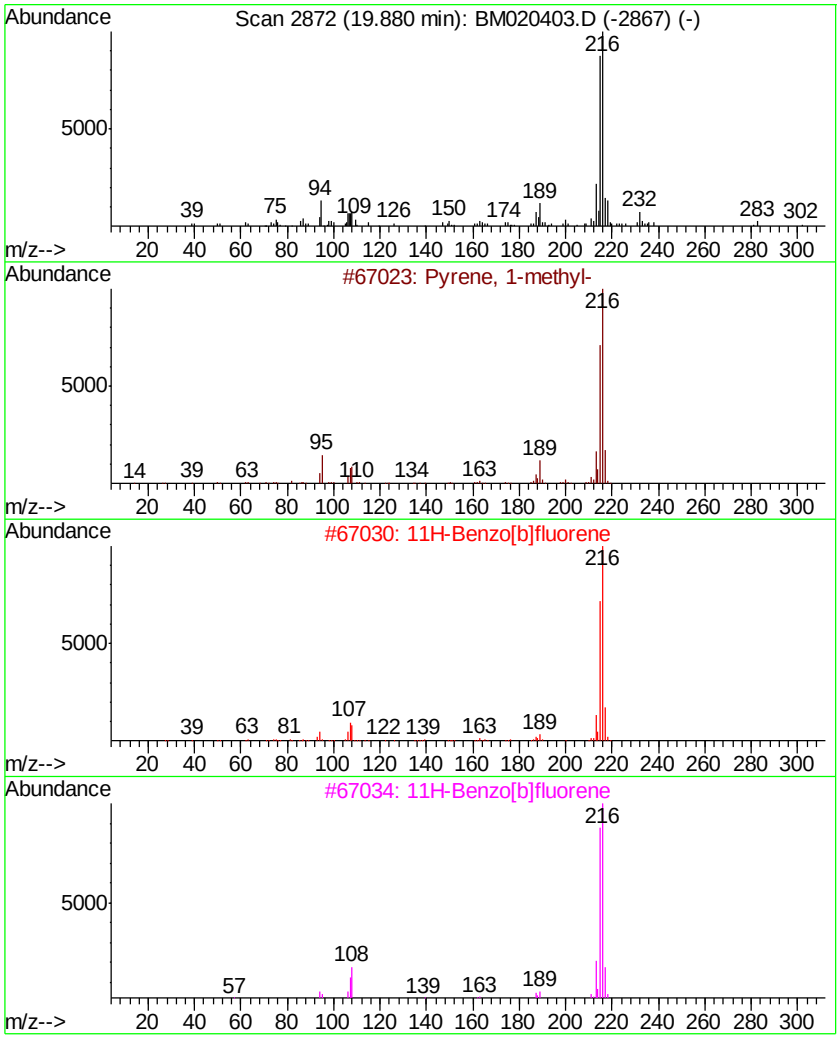
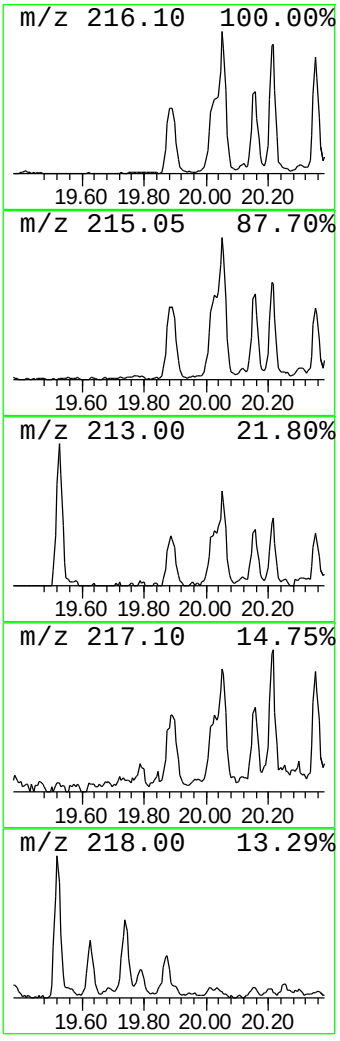
Peak Number 35 Pyrene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.40 ng/ul	223782	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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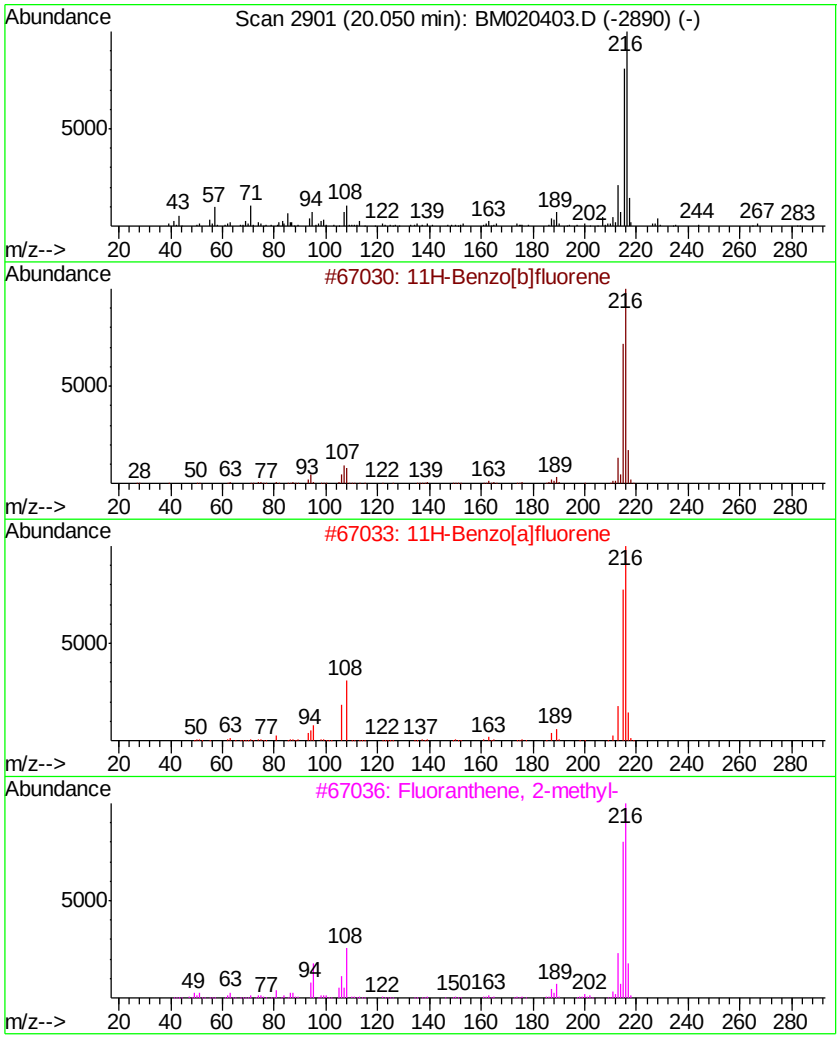
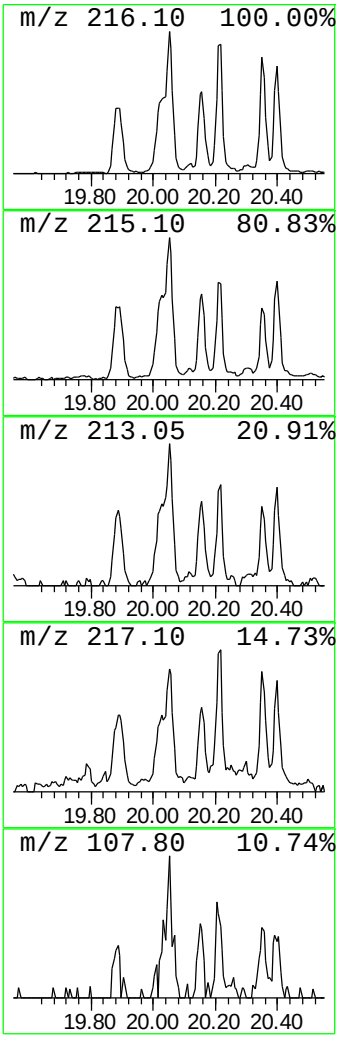
Peak Number 36 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	4.93 ng/ul	460025	Chrysene-d12	21.33

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	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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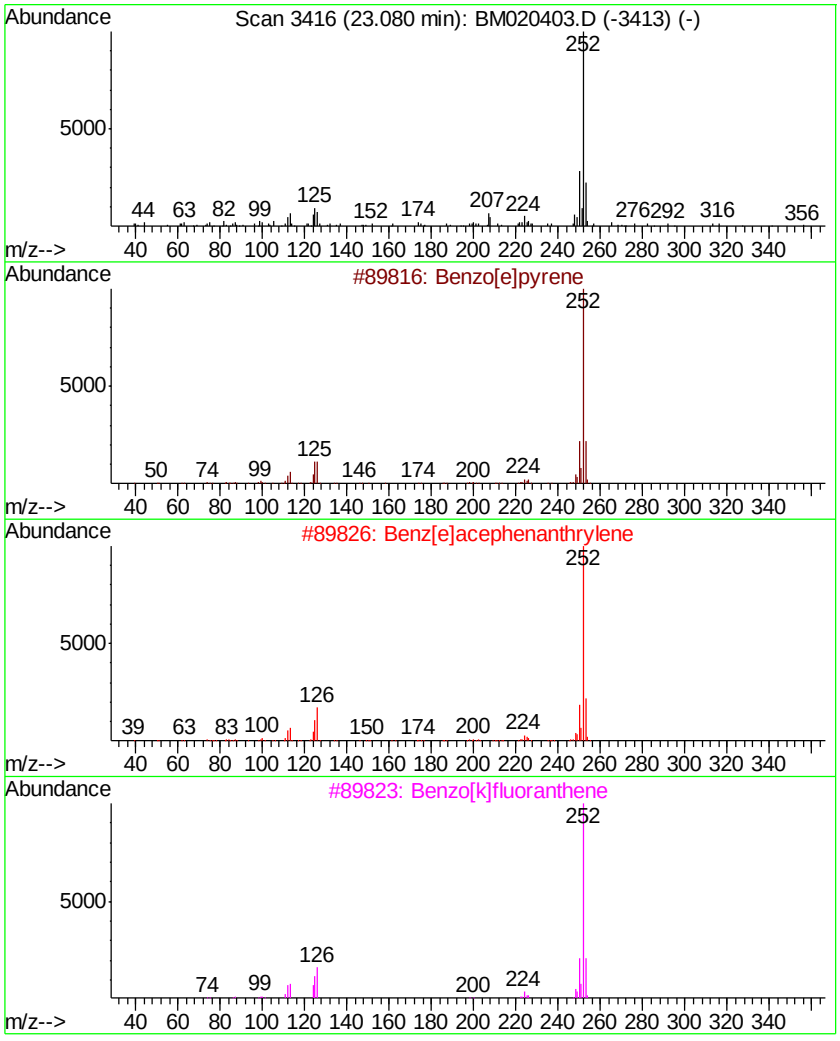
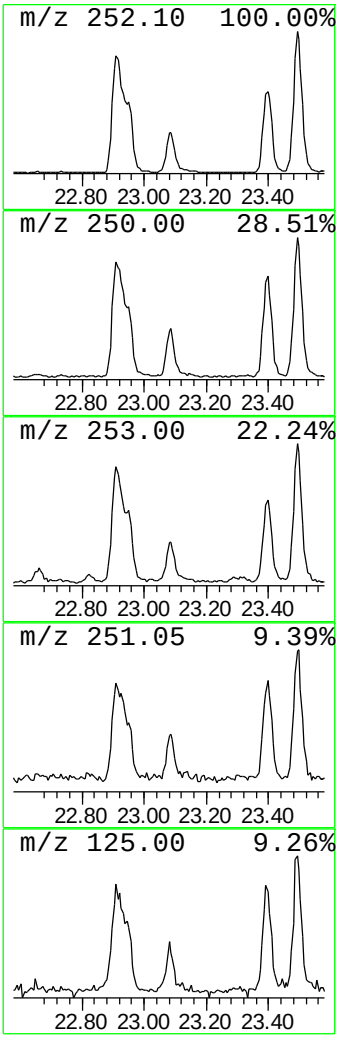
Peak Number 38 Benzo[e]pyrene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	2.32 ng/ul	130877	Perylene-d12	23.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
Operator : JU/SJ
Sample : K2604-04MEDL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ78MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	11.92	5.6	ng/ul	150473	2	10.52	539801	20.0
Naphthalene, 1-me...	12.41	20.1	ng/ul	542231	2	10.52	539801	20.0
(DEL) Alkane: Str...	13.18	6.7	ng/ul	263347	3	14.38	785423	20.0
Naphthalene, 1-et...	13.40	3.3	ng/ul	131150	3	14.38	785423	20.0
Naphthalene, 1,6-...	13.53	8.3	ng/ul	327005	3	14.38	785423	20.0
Naphthalene, 2,3-...	13.69	13.4	ng/ul	527306	3	14.38	785423	20.0
(DEL) Alkane: Str...	14.26	6.7	ng/ul	262757	3	14.38	785423	20.0
Naphthalene, 1,6,...	14.85	3.1	ng/ul	123256	3	14.38	785423	20.0
Naphthalene, 2,3,...	14.99	3.7	ng/ul	145020	3	14.38	785423	20.0
(DEL) Alkane: Str...	15.22	6.8	ng/ul	267785	3	14.38	785423	20.0
1H-Phenalene	15.25	2.1	ng/ul	80949	3	14.38	785423	20.0
(DEL) Alkane: Str...	15.62	5.1	ng/ul	199486	3	14.38	785423	20.0
9H-Fluoren-9-ol	15.72	2.8	ng/ul	108482	3	14.38	785423	20.0
(DEL) Alkane: Str...	16.08	9.1	ng/ul	428199	4	17.13	943653	20.0
9H-Fluorene, 2-me...	16.43	4.5	ng/ul	212326	4	17.13	943653	20.0
unknown-01	16.69	2.1	ng/ul	98084	4	17.13	943653	20.0
(DEL) Alkane: Str...	16.87	5.1	ng/ul	239869	4	17.13	943653	20.0
(DEL) Alkane: Str...	16.92	2.0	ng/ul	96198	4	17.13	943653	20.0
Dibenzothiophene	16.95	2.5	ng/ul	115801	4	17.13	943653	20.0
(DEL) Alkane: Str...	17.61	3.4	ng/ul	159109	4	17.13	943653	20.0
Phenanthrene, 1-m...	18.00	7.4	ng/ul	348971	4	17.13	943653	20.0
Phenanthrene, 2-m...	18.05	8.0	ng/ul	378879	4	17.13	943653	20.0
4H-Cyclopenta[def...	18.20	10.4	ng/ul	490877	4	17.13	943653	20.0
Anthracene, 9-met...	18.24	4.1	ng/ul	195319	4	17.13	943653	20.0
(DEL) Alkane: Str...	18.30	2.9	ng/ul	135877	4	17.13	943653	20.0
5,16[1',2']:8,13[...	18.51	2.7	ng/ul	127177	4	17.13	943653	20.0
Anthracene, 1,4-d...	18.76	2.0	ng/ul	95974	4	17.13	943653	20.0
9,10-Dimethylanth...	18.93	6.3	ng/ul	297924	4	17.13	943653	20.0
unknown-02	18.99	3.0	ng/ul	142286	4	17.13	943653	20.0
Cyclopenta(def)ph...	19.07	5.2	ng/ul	246753	4	17.13	943653	20.0
Pyrene, 1-methyl-	19.88	2.4	ng/ul	223782	5	21.33	1866290	20.0
11H-Benzo[b]fluorene	20.05	4.9	ng/ul	460025	5	21.33	1866290	20.0
Benzo[e]pyrene	23.08	2.3	ng/ul	130877	6	23.60	1129520	20.0