LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM060520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	361	369	381	rBV	731564	1091457	14.47%	1.100%
2	6.622	628	635	651	rBV	725162	1170476	15.52%	1.180%
3	7.422	764	771	780	rBV	512070	792905	10.51%	0.799%
4	7.734	814	824	830	rBV	639382	971630	12.88%	0.979%
5	8.563	959	965	978	rVB	456552	747106	9.91%	0.753%
6	10.181	1232	1240	1244	rBV	646804	1043794	13.84%	1.052%
7	10.228	1244	1248	1257	rVB	352660	554819	7.36%	0.559%
8	11.851	1516	1524	1535	rBV	382232	657576	8.72%	0.663%
9	12.075	1552	1562	1568	rBV	349236	573868	7.61%	0.578%
10	12.680	1659	1665	1673	rBV	1045409	1503028	19.93%	1.515%
11	12.898	1696	1702	1710	rBV2	99673	189167	2.51%	0.191%
12	13.092	1730	1735	1739	rBV	63563	101419	1.34%	0.102%
13	13.233	1752	1759	1767	rBV3	164207	424957	5.63%	0.428%
14	13.392	1780	1786	1791	rBV	287886	488794	6.48%	0.493%
15	13.445	1791	1795	1801	rVV	182463	258103	3.42%	0.260%
16	13.545	1805	1812	1817	rBV2	170999	261977	3.47%	0.264%
17	13.627	1822	1826	1830	rVV	150094	236654	3.14%	0.239%
18	13.792	1845	1854	1863	rBV2	289865	482709	6.40%	0.487%
19	14.074	1895	1902	1907	rBV	886996	1317562	17.47%	1.328%
20	14.139	1907	1913	1917	rBV	532748	759829	10.07%	0.766%
21	14.298	1933	1940	1947	rBV3	75082	182212	2.42%	0.184%
22	14.480	1962	1971	1979	rVV2	439770	773668	10.26%	0.780%
23	14.563	1981	1985	1990	rVV	124371	169117	2.24%	0.170%
24	14.704	2002	2009	2014	rBV3	111906	214250	2.84%	0.216%
25	14.757	2014	2018	2023	rVB	96671	137426	1.82%	0.139%
26	14.874	2031	2038	2041	rBV3	73916	152496	2.02%	0.154%
27	14.969	2048	2054	2058	rVB2	116369	183056	2.43%	0.185%
28	15.133	2076	2082	2087	rBV	941797	1289366	17.10%	1.300%
29	15.292	2106	2109	2113	rVB2	85571	104239	1.38%	0.105%
30	15.380	2121	2124	2128	rVB2	105056	135378	1.79%	0.136%
31	15.433	2128	2133	2137	rBV	140606	210783	2.79%	0.212%
32	15.574	2152	2157	2166	rVB2	974783	1484435	19.68%	1.496%
33	15.833	2193	2201	2204	rBV3	171447	296529	3.93%	0.299%
34	15.863	2204	2206	2210	rVB	95717	99019	1.31%	0.100%

LSC Area Percent Report

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Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.145	2246	2254	2258	rBV	162751	325534	4.32%	0.328%
36	16.192	2258	2262	2267	rVB2	124940	189184	2.51%	0.191%
37	16.292	2275	2279	2284	rVB	109253	171764	2.28%	0.173%
38	16.498	2310	2314	2322	rVB6	55900	105764	1.40%	0.107%
39	16.568	2322	2326	2332	rBV3	77208	146728	1.95%	0.148%
40	16.645	2332	2339	2343	rVV2	410449	773922	10.26%	0.780%
41	16.680	2343	2345	2352	rVB2	107895	138931	1.84%	0.140%
42	16.827	2365	2370	2373	rBV	1050947	1433836	19.01%	1.445%
43	16.874	2373	2378	2383	rVV	4564016	6093697	80.79%	6.143%
44	16.963	2385	2393	2398	rVV	1326073	1831301	24.28%	1.846%
45	17.027	2400	2404	2410	rVV2	102522	192477	2.55%	0.194%
46	17.239	2435	2440	2444	rVB	343140	450838	5.98%	0.454%
47	17.363	2456	2461	2465	rVV2	217360	302849	4.02%	0.305%
48	17.410	2465	2469	2476	rVB2	206730	271260	3.60%	0.273%
49	17.539	2486	2491	2500	rVB	1561205	1990470	26.39%	2.007%
50	17.704	2514	2519	2523	rBV	574371	792037	10.50%	0.798%
51	17.751	2523	2527	2534	rVB	766747	1064782	14.12%	1.073%
52	17.833	2535	2541	2545	rBV	332800	463648	6.15%	0.467%
53	17.898	2546	2552	2556	rVV2	911994	1537108	20.38%	1.550%
54	17.933	2556	2558	2567	rVB	383644	492024	6.52%	0.496%
55	18.057	2575	2579	2583	rVV	215503	261300	3.46%	0.263%
56	18.110	2584	2588	2591	rVB2	107395	142687	1.89%	0.144%
57	18.210	2601	2605	2609	rBV	334185	453964	6.02%	0.458%
58	18.257	2609	2613	2618	rVB3	102993	187675	2.49%	0.189%
59	18.462	2645	2648	2652	rVV	134368	177754	2.36%	0.179%
60	18.515	2653	2657	2660	rVV	196428	286875	3.80%	0.289%
61	18.551	2661	2663	2667	rVB2	136771	162105	2.15%	0.163%
62	18.639	2672	2678	2682	rBV	388625	661154	8.77%	0.666%
63	18.686	2682	2686	2689	rVV	4914764	6222343	82.50%	6.273%
64	18.721	2689	2692	2696	rVV2	6241232	7542236	100.00%	7.603%
65	18.751	2696	2697	2709	rVV4	560410	941320	12.48%	0.949%
66	18.857	2711	2715	2718	rVV	883762	1031560	13.68%	1.040%
67	18.904	2718	2723	2728	rVV	4088088	5432880	72.03%	5.477%
68	18.974	2732	2735	2737	rVV	97430	137161	1.82%	0.138%
69	19.004	2737	2740	2743	rVV4	146523	186581	2.47%	0.188%
70	19.051	2744	2748	2752	rVB	145143	209420	2.78%	0.211%
71	19.145	2760	2764	2768	rVB2	173861	248019	3.29%	0.250%

LSC Area Percent Report

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Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM060520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.262	2774	2784	2794	rBV	3587061	6546147	86.79%	6.599%
73	19.345	2794	2798	2805	rVB2	171873	379704	5.03%	0.383%
74	19.451	2812	2816	2817	rBV	172646	211940	2.81%	0.214%
75	19.480	2817	2821	2825	rVV	1823045	2195431	29.11%	2.213%
76	19.604	2836	2842	2847	rBV2	306906	681203	9.03%	0.687%
77	19.733	2859	2864	2867	rBV4	423264	842941	11.18%	0.850%
78	19.768	2867	2870	2876	rVV2	886676	1217515	16.14%	1.227%
79	19.827	2877	2880	2882	rBV2	195898	233223	3.09%	0.235%
80	19.868	2882	2887	2891	rVV	778473	1105574	14.66%	1.114%
81	19.927	2892	2897	2900	rVV2	472802	666860	8.84%	0.672%
82	19.968	2901	2904	2908	rVB	368083	447831	5.94%	0.451%
83	20.062	2917	2920	2924	rVB	336545	406231	5.39%	0.410%
84	20.109	2924	2928	2930	rBV2	351076	483654	6.41%	0.488%
85	20.133	2930	2932	2937	rVB	583334	663192	8.79%	0.669%
86	20.327	2962	2965	2968	rBV3	180466	202759	2.69%	0.204%
87	20.486	2989	2992	2995	rBV2	114024	173563	2.30%	0.175%
88	20.686	3022	3026	3029	rVB	280370	360733	4.78%	0.364%
89	20.721	3029	3032	3035	rVB	342704	338728	4.49%	0.341%
90	20.756	3035	3038	3040	rBV	252420	322518	4.28%	0.325%
91	20.921	3064	3066	3071	rVB	157792	152759	2.03%	0.154%
92	21.033	3079	3085	3089	rBV3	2668435	5125285	67.95%	5.167%
93	21.074	3089	3092	3102	rVB	1984455	2510107	33.28%	2.530%
94	21.192	3109	3112	3114	rBV	303464	356889	4.73%	0.360%
95	21.574	3175	3177	3181	rVB	530508	568712	7.54%	0.573%
96	21.627	3183	3186	3187	rBV2	239068	274449	3.64%	0.277%
97	22.527	3334	3339	3360	rVB	1362936	4502289	59.69%	4.539%
98	22.962	3409	3413	3419	rVB	834278	1386272	18.38%	1.397%
99	23.050	3423	3428	3437	rVB	1487758	2755759	36.54%	2.778%
100	23.139	3438	3443	3448	rBV	1158295	1974540	26.18%	1.990%

Sum of corrected areas: 99199800

LSC Report - Integrated Chromatogram

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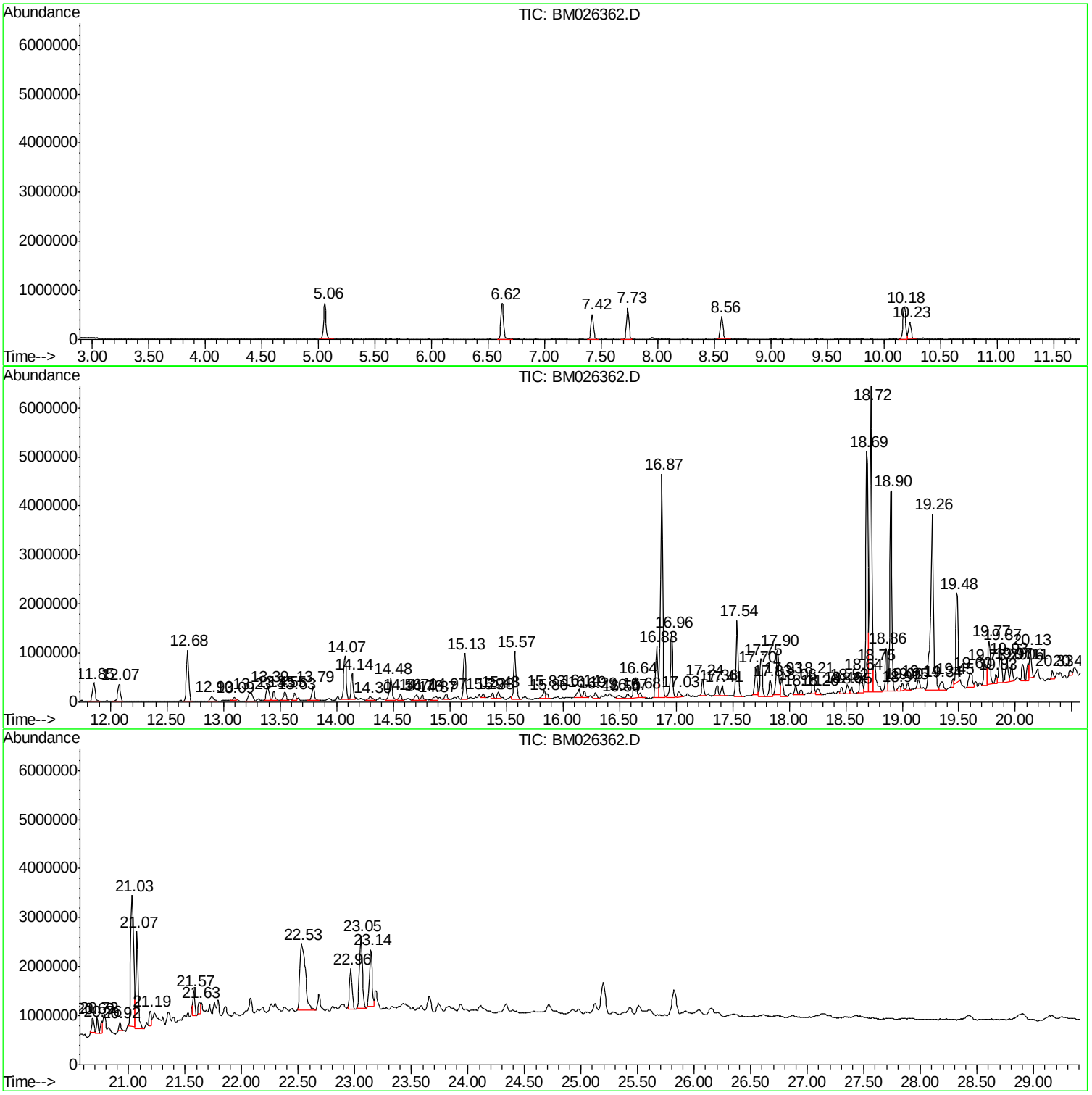
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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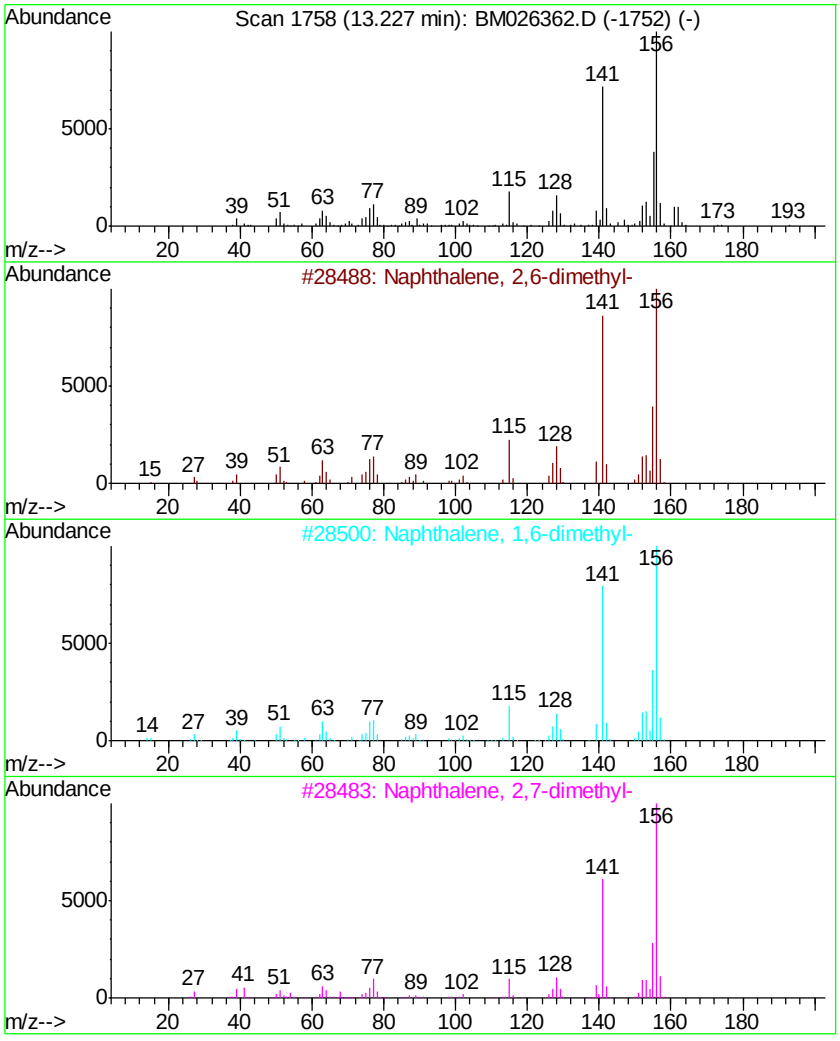
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

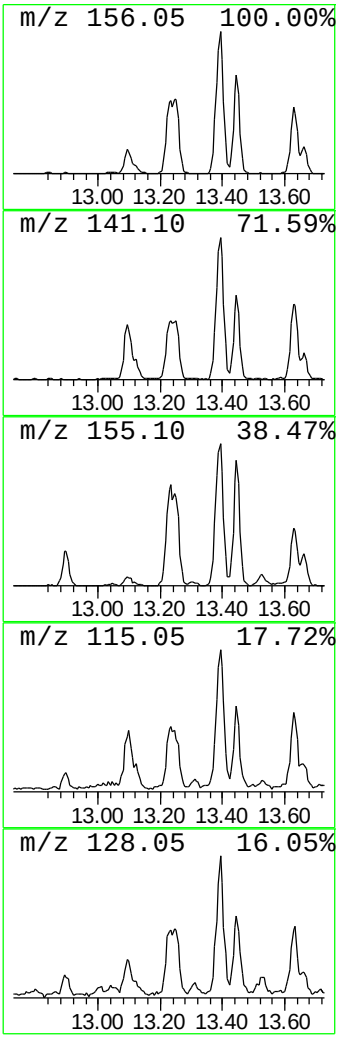
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	6.45 ng	424957	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

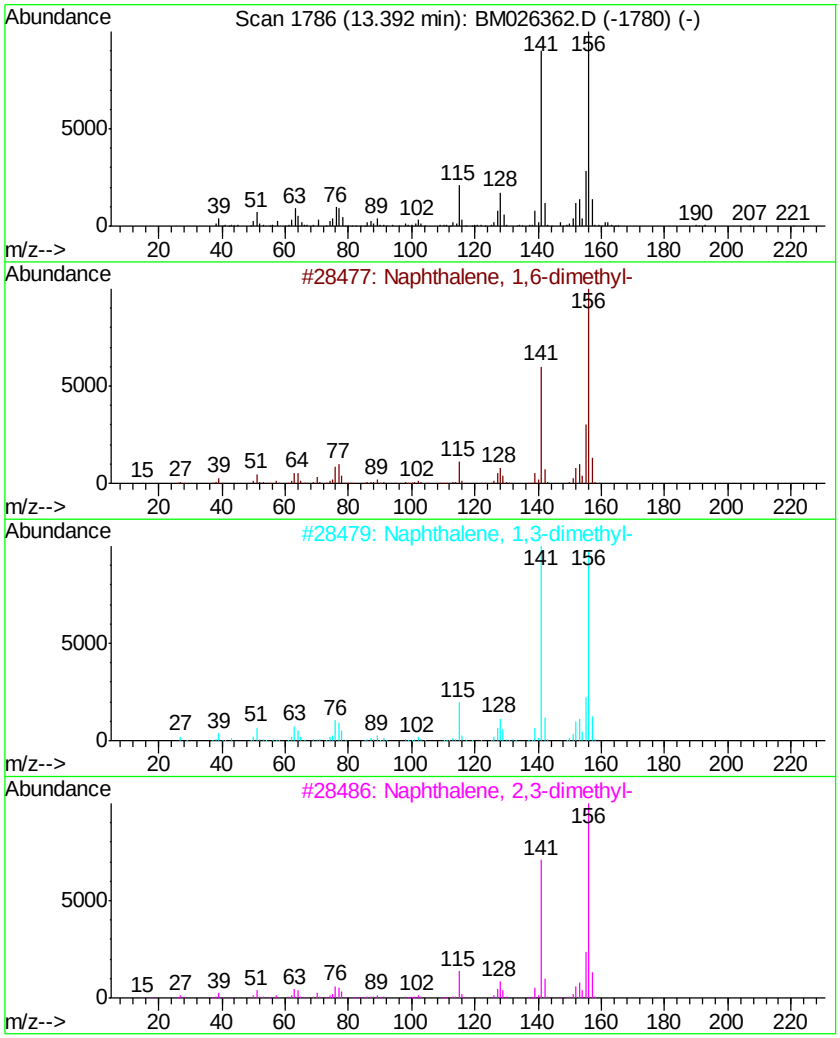
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

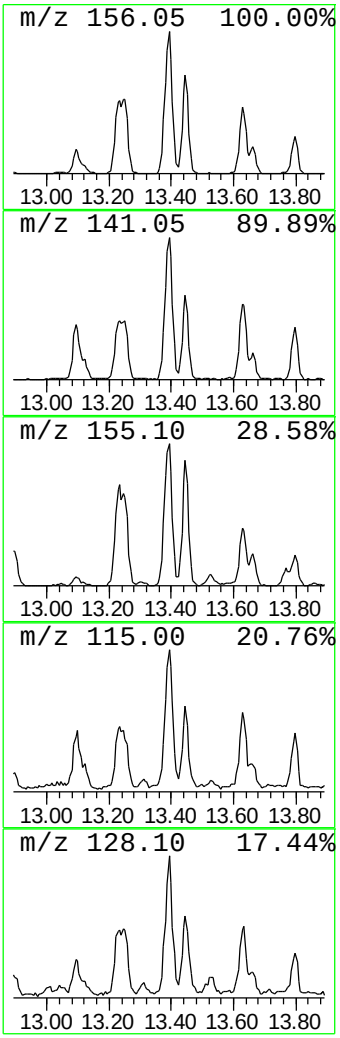
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	7.42 ng	488794	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Instrument : BNA_M
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

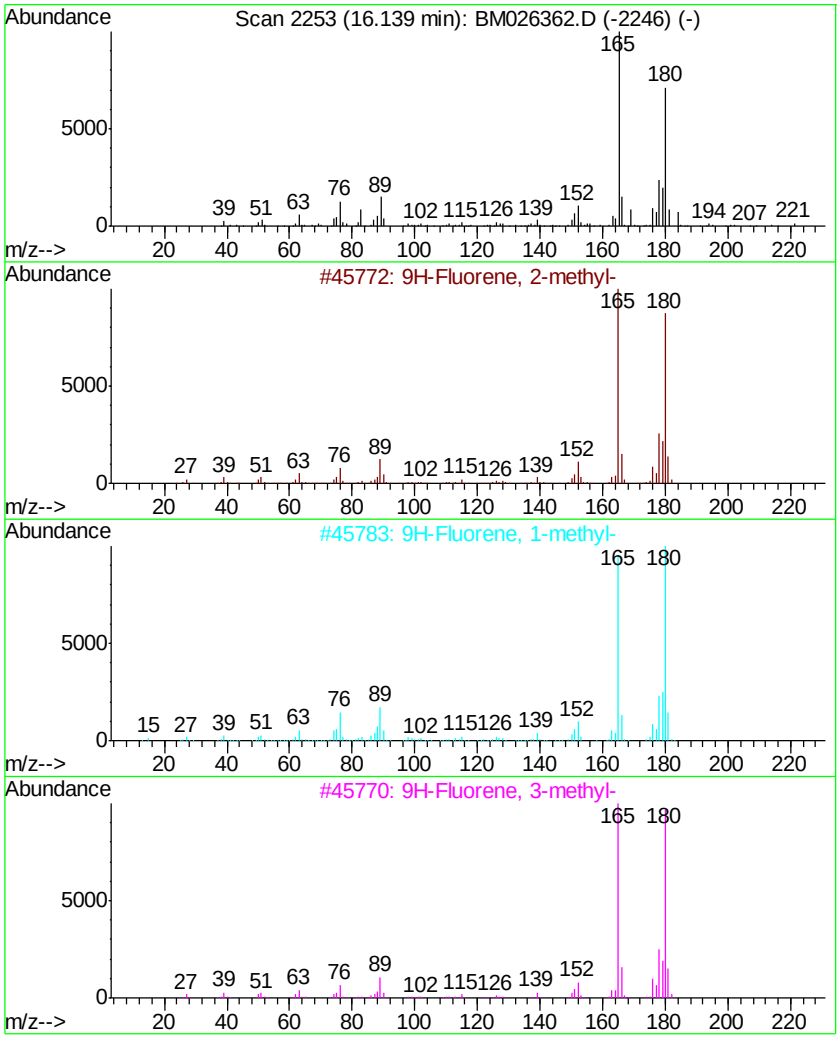
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

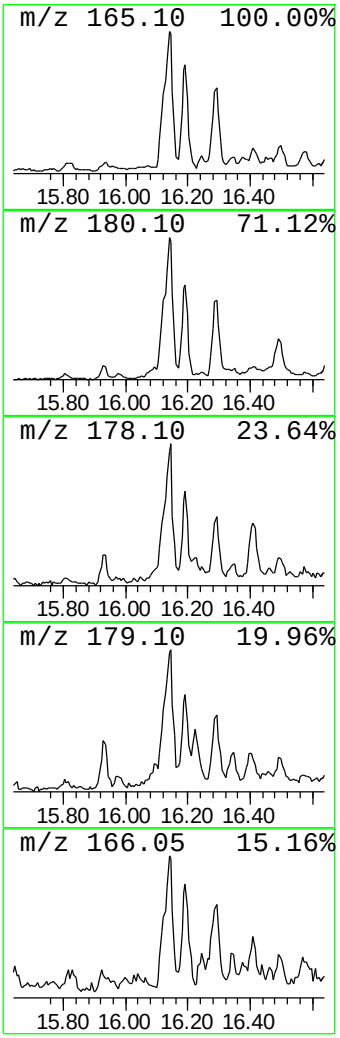
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	4.54 ng	325534	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
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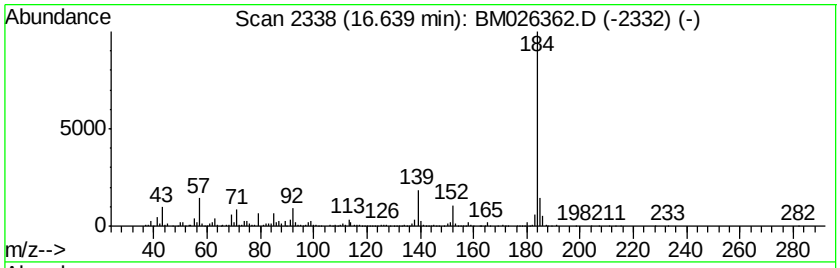
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

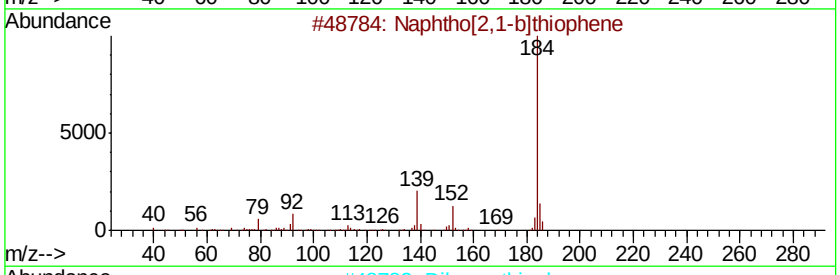
****

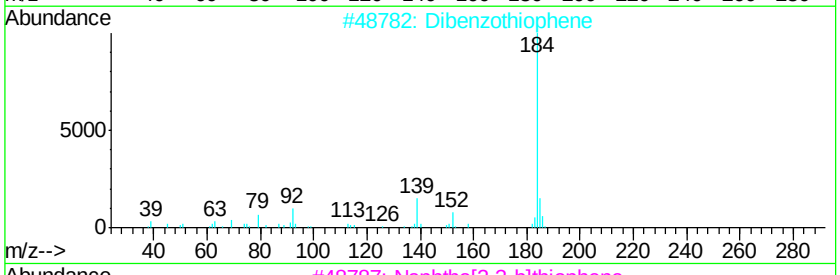
Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 10

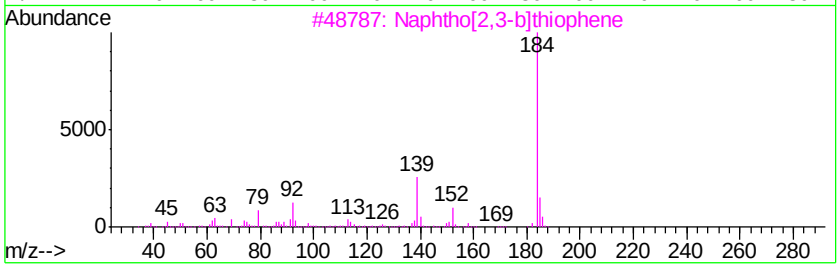
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	10.80 ng	773922	Phenanthrene-d10	16.83

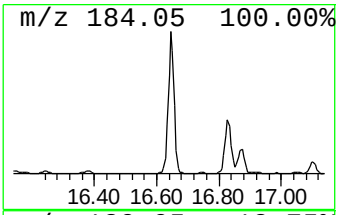
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83

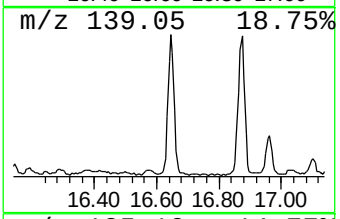


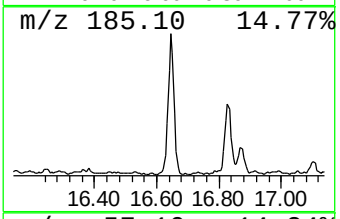


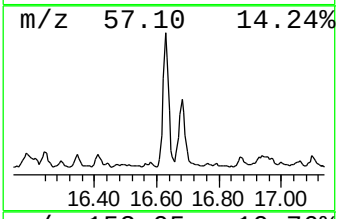


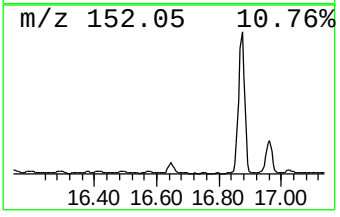












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Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

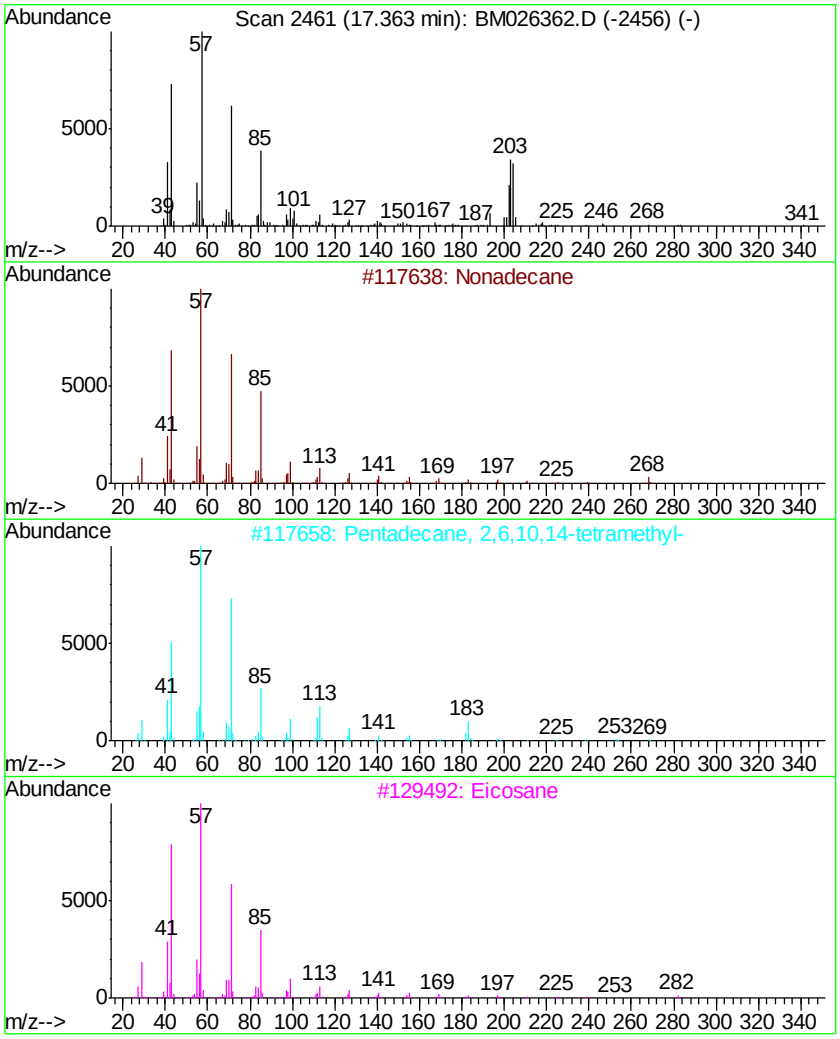
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

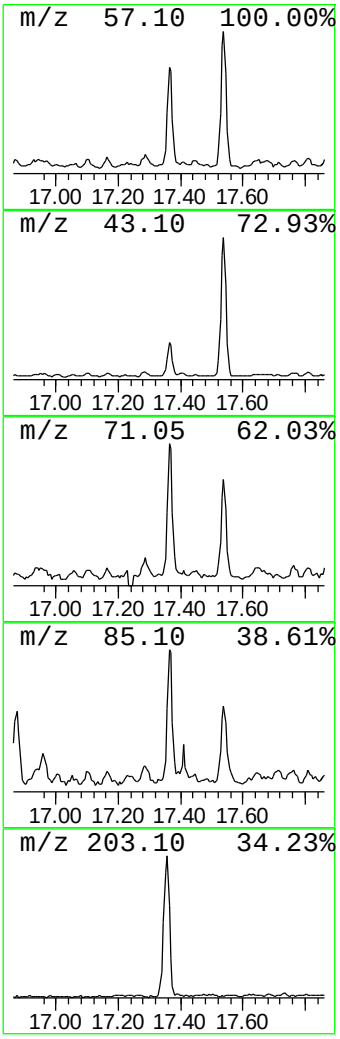
****

Peak Number 6 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	4.22 ng	302849	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	78
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	50
3	Eicosane	282	C20H42	000112-95-8	49
4	Tetracosane	338	C24H50	000646-31-1	49
5	Octadecane	254	C18H38	000593-45-3	49





Library Search Compound Report

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Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

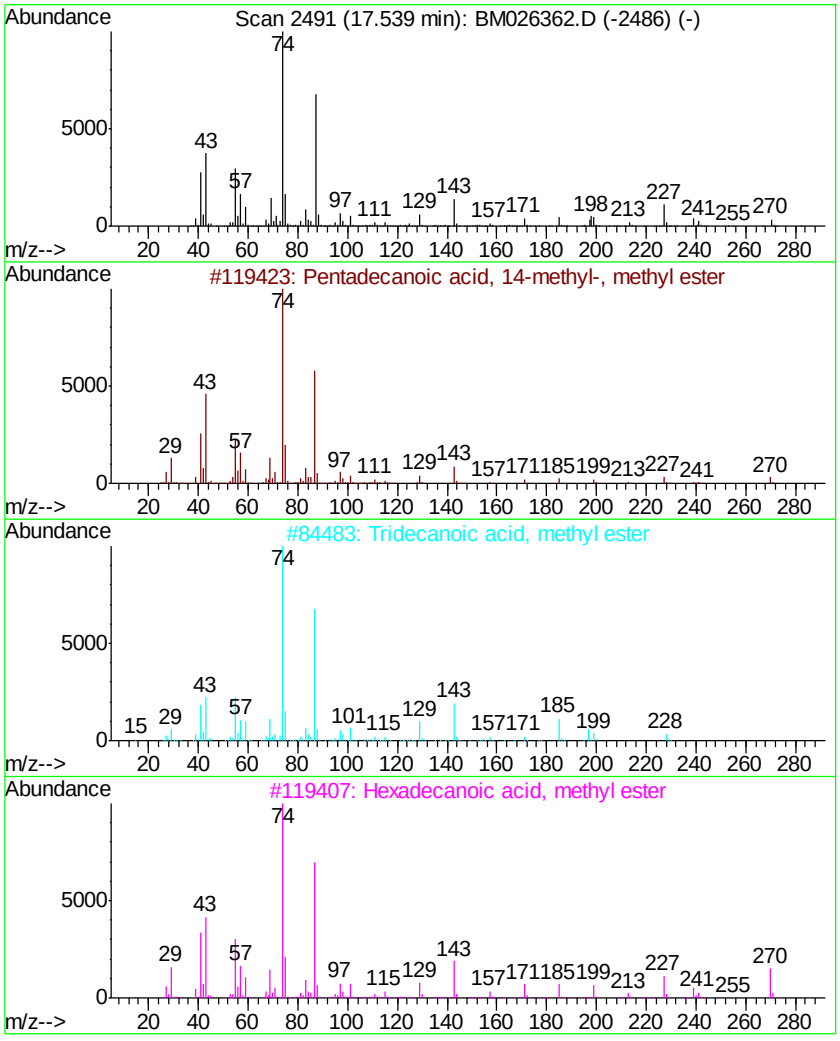
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

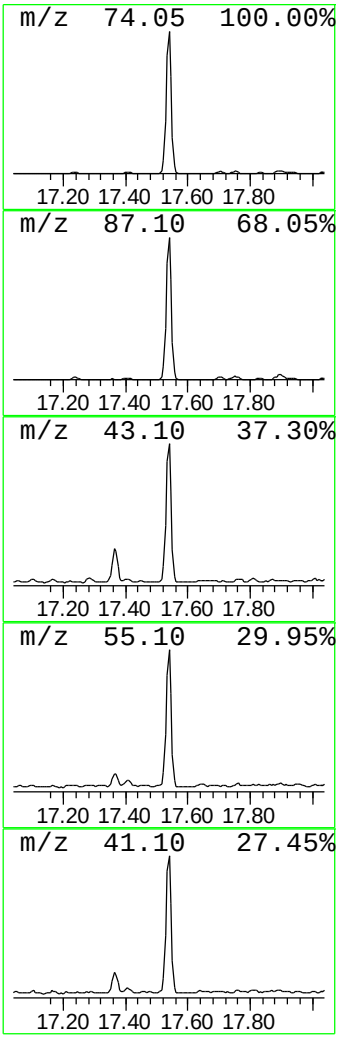
****

Peak Number 7 Pentadecanoic acid, 14-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	27.76 ng	1990470	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	92
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





Library Search Compound Report

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Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

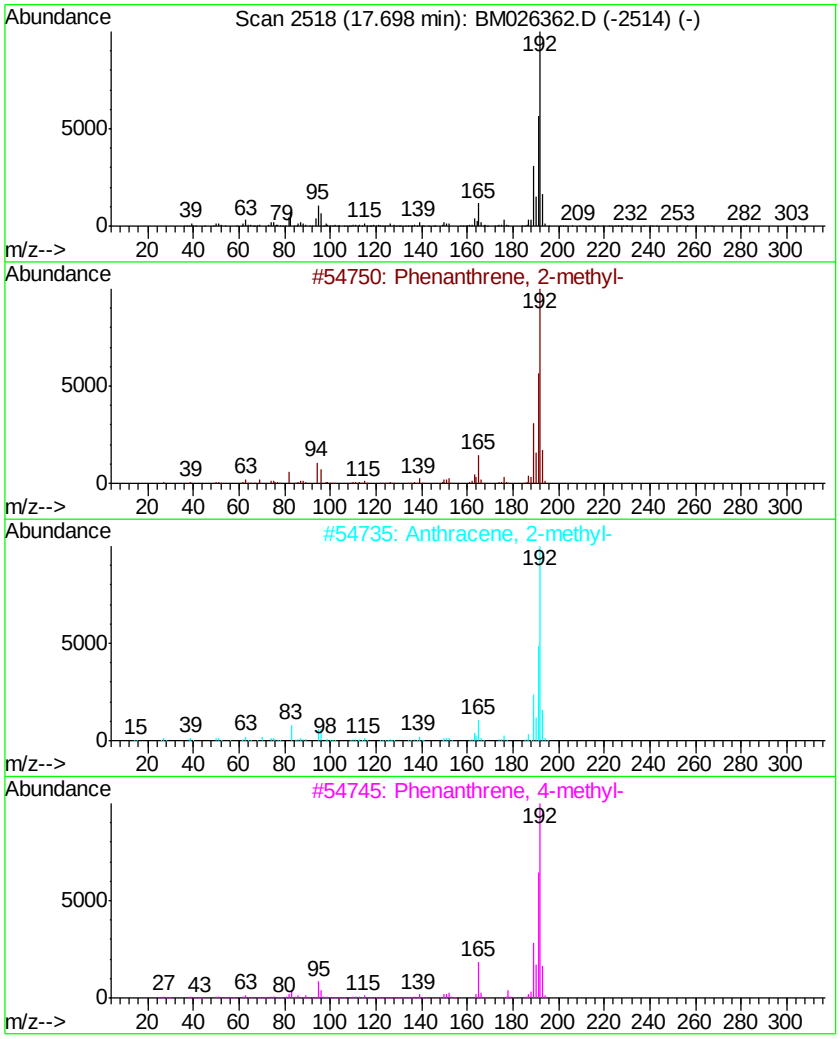
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

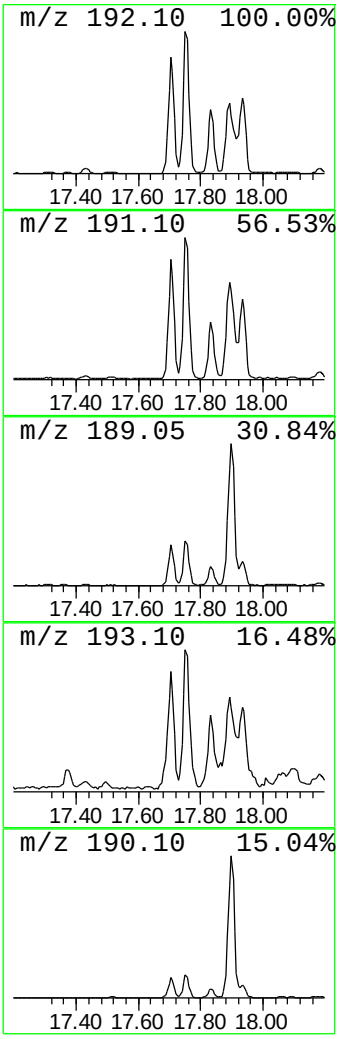
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	11.05 ng	792037	Phenanthrene-d10	16.83

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	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

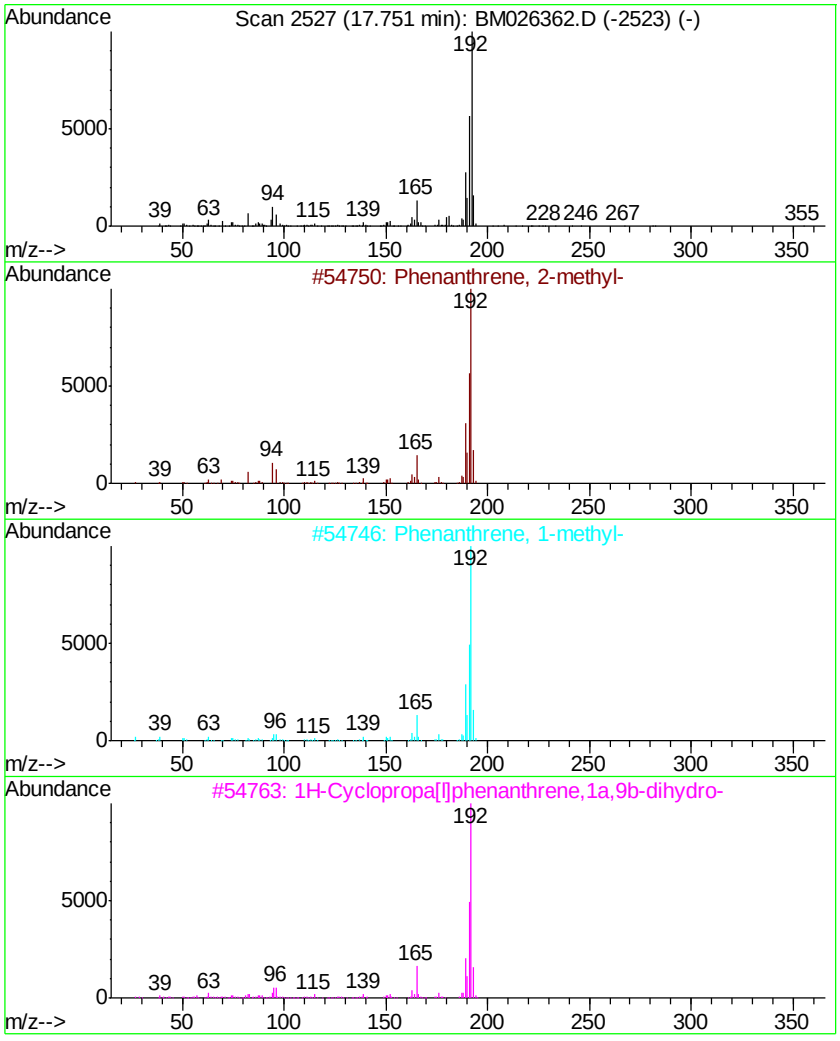
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

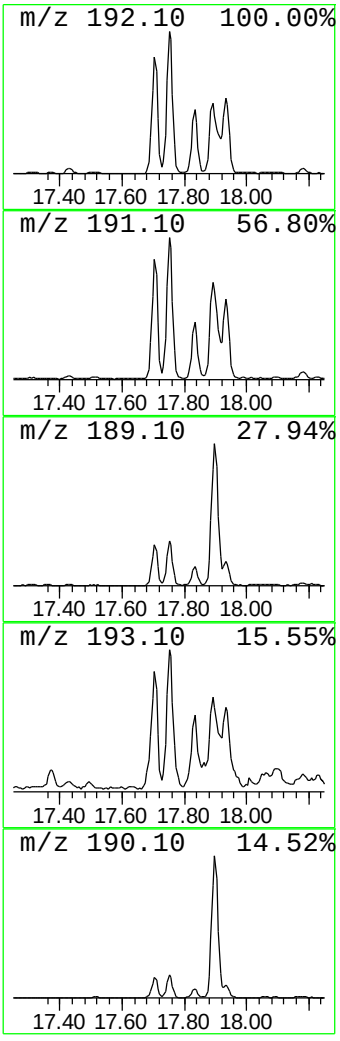
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	14.85 ng	1064780	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

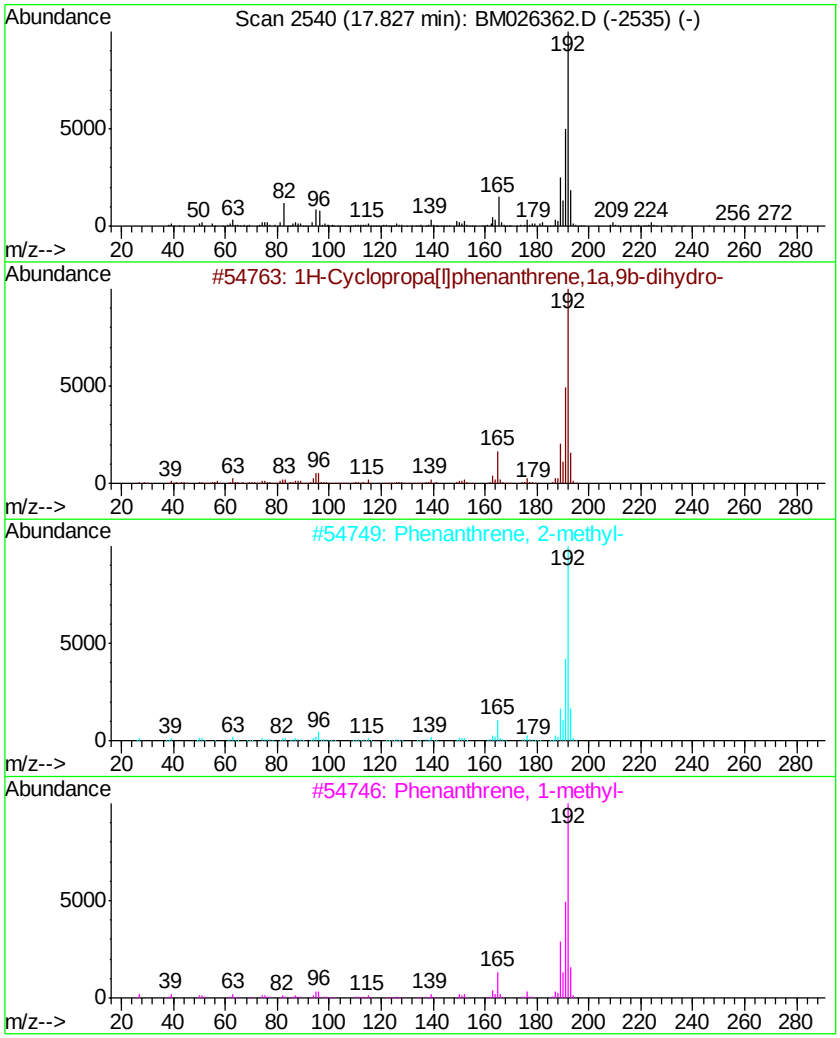
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

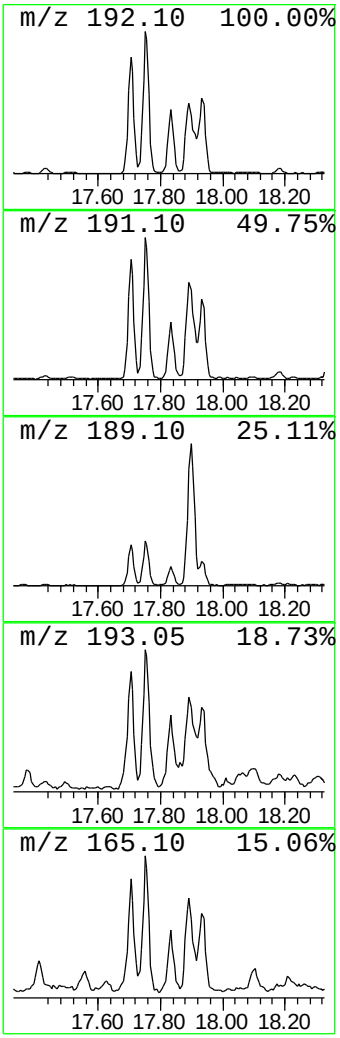
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	6.47 ng	463648	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

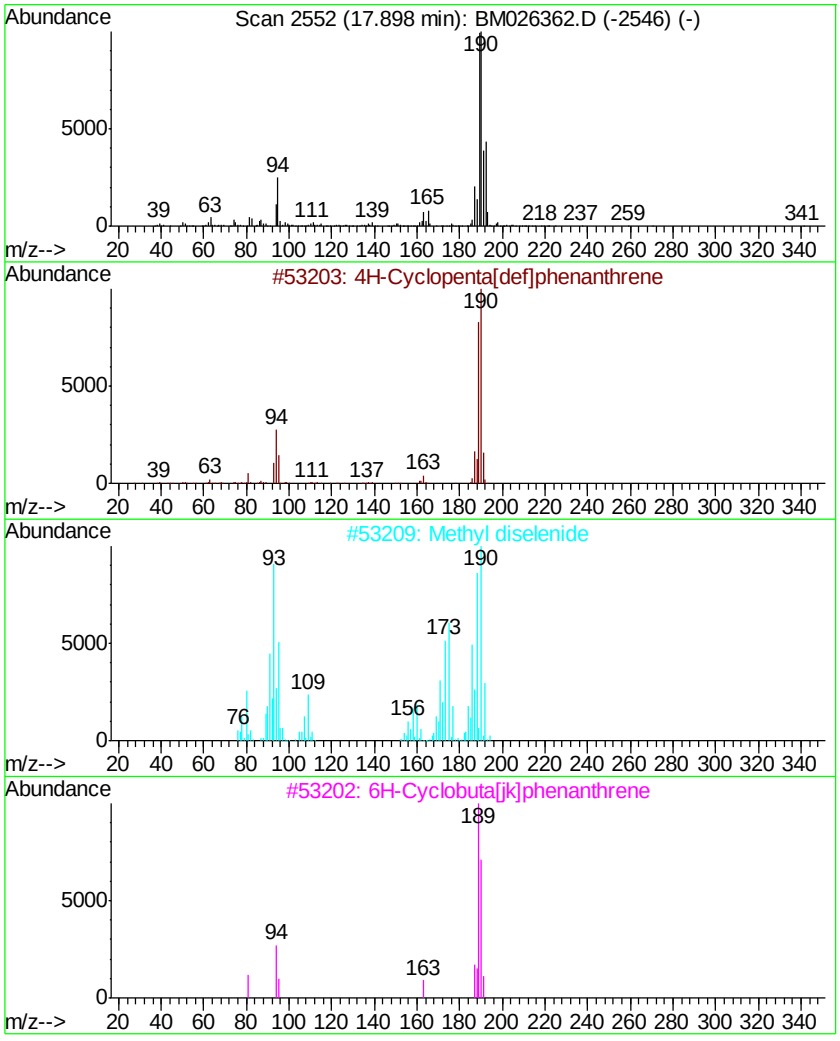
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

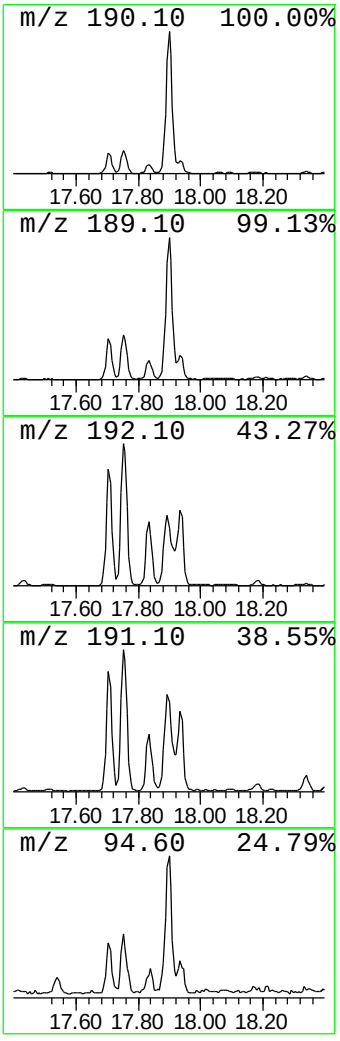
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	21.44 ng	1537110	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





Library Search Compound Report

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Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

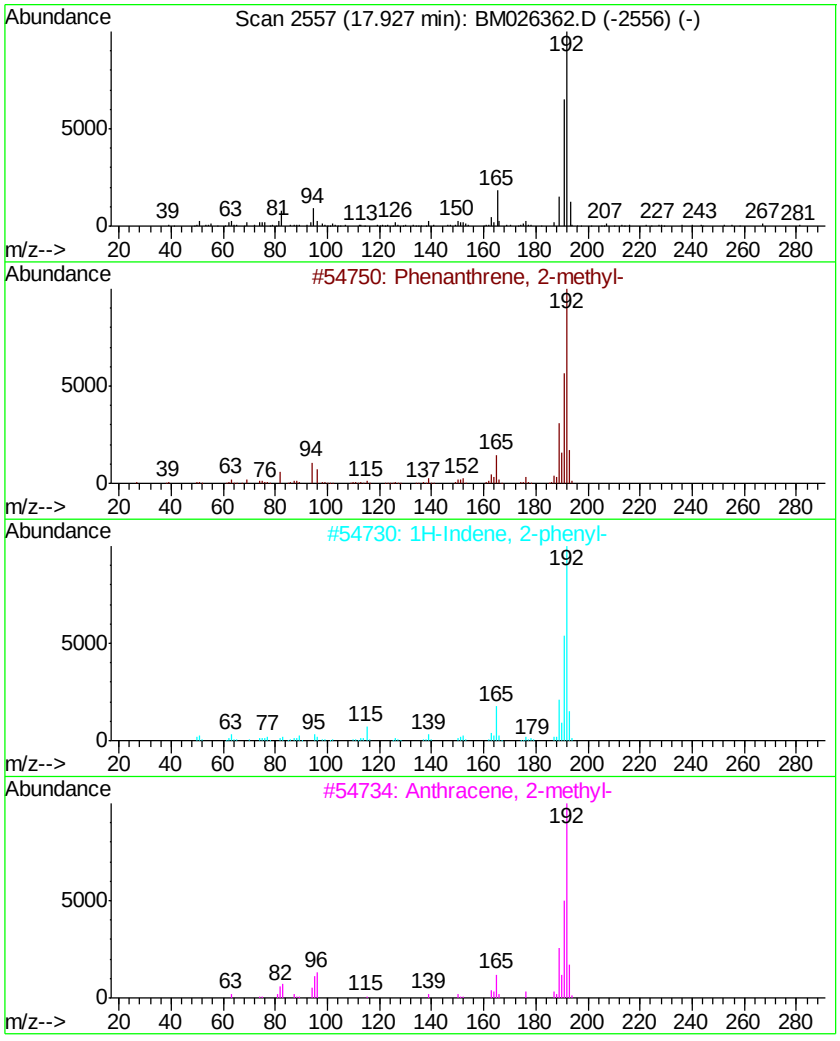
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

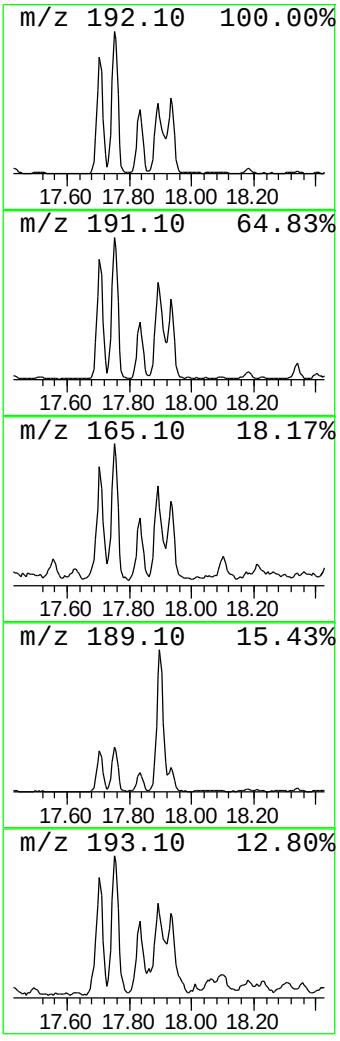
****

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	6.86 ng	492024	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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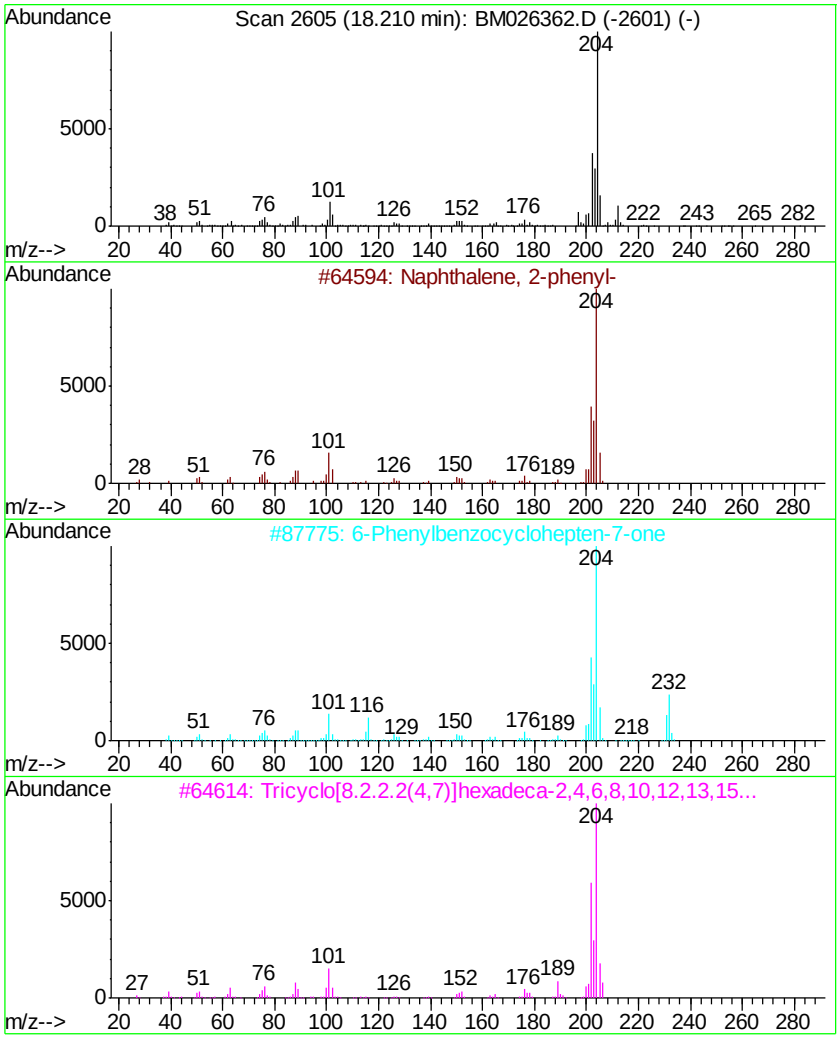
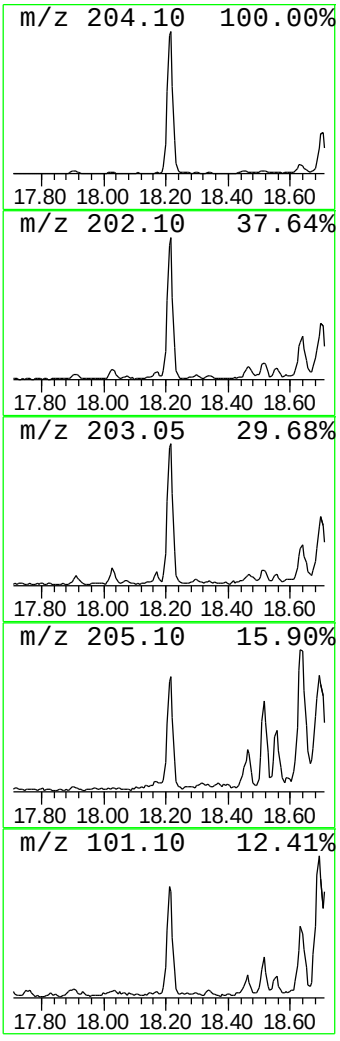
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	6.33 ng	453964	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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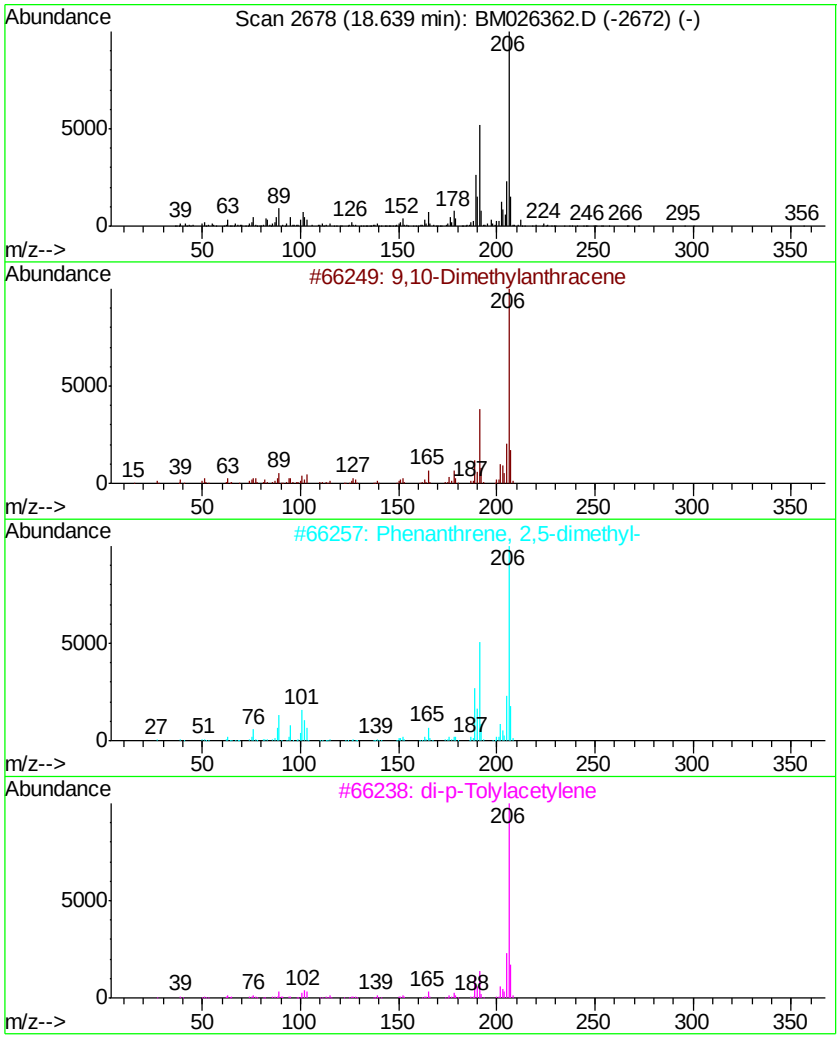
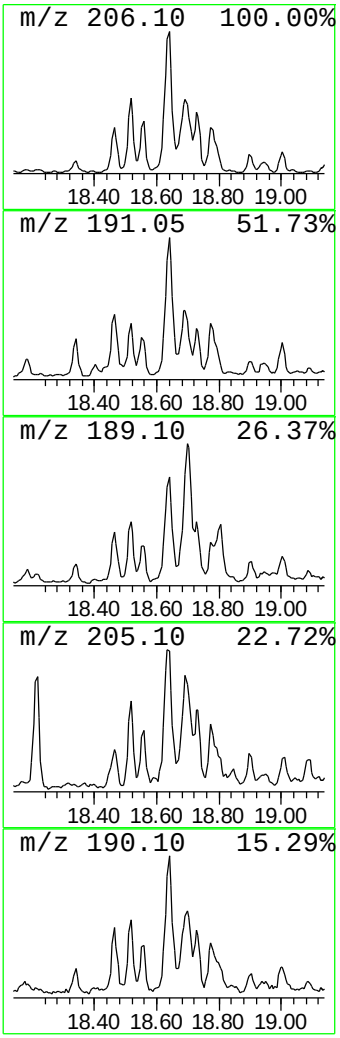
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	9.22 ng	661154	Phenanthrene-d10	16.83

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	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

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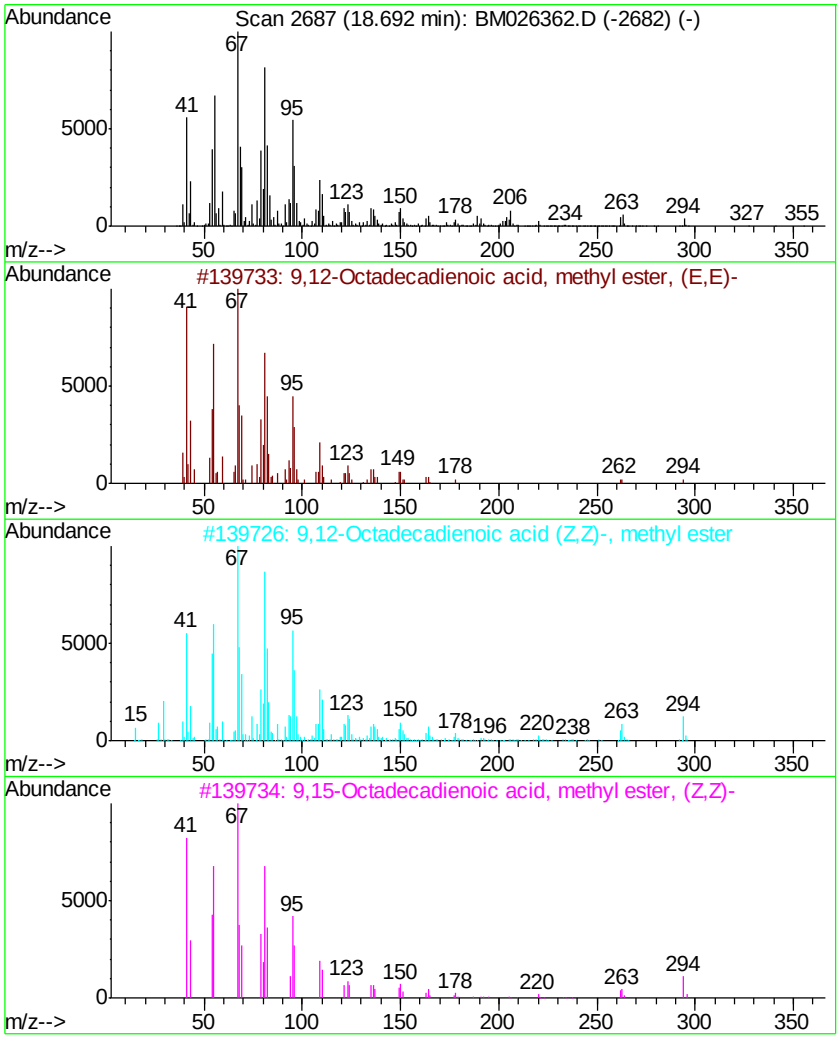
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

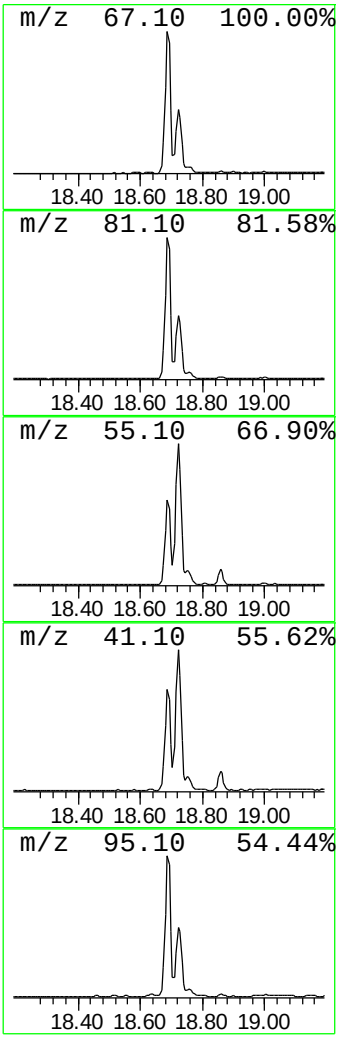
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	86.79 ng	6222340	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99





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Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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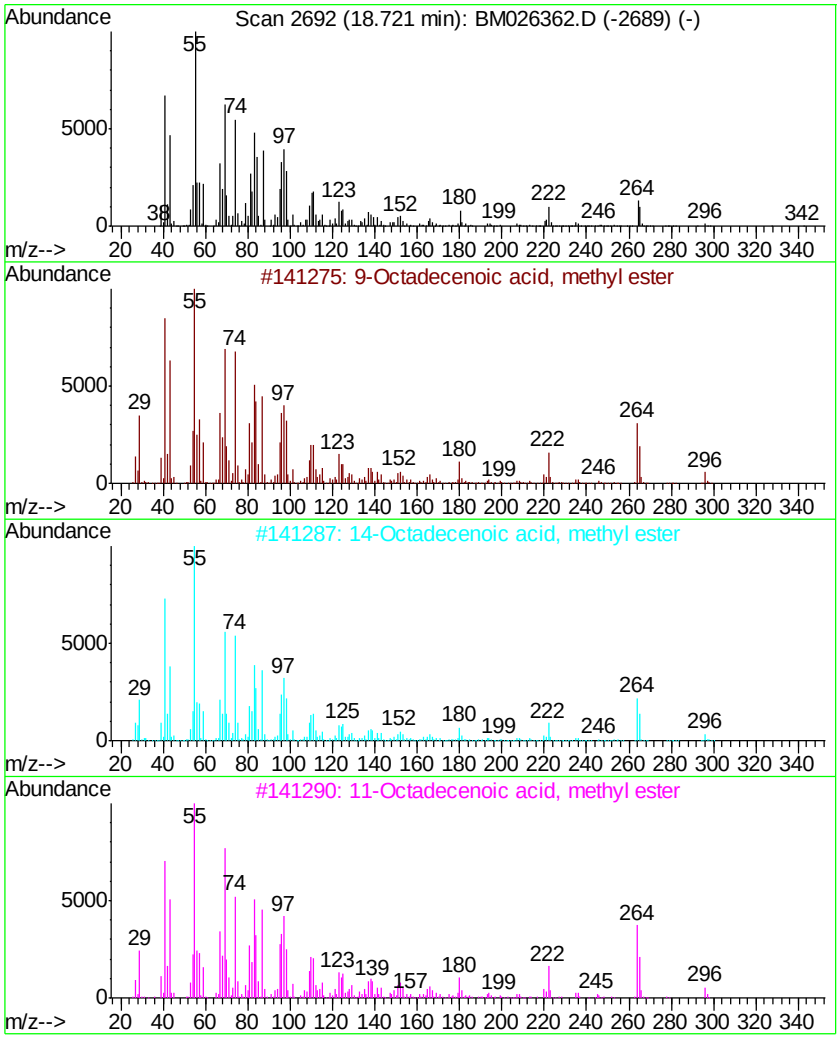
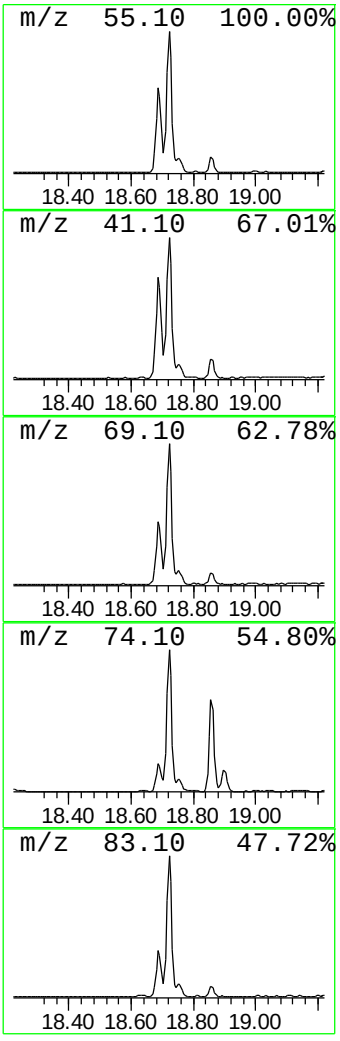
Peak Number 16 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	105.20 ng	7542240	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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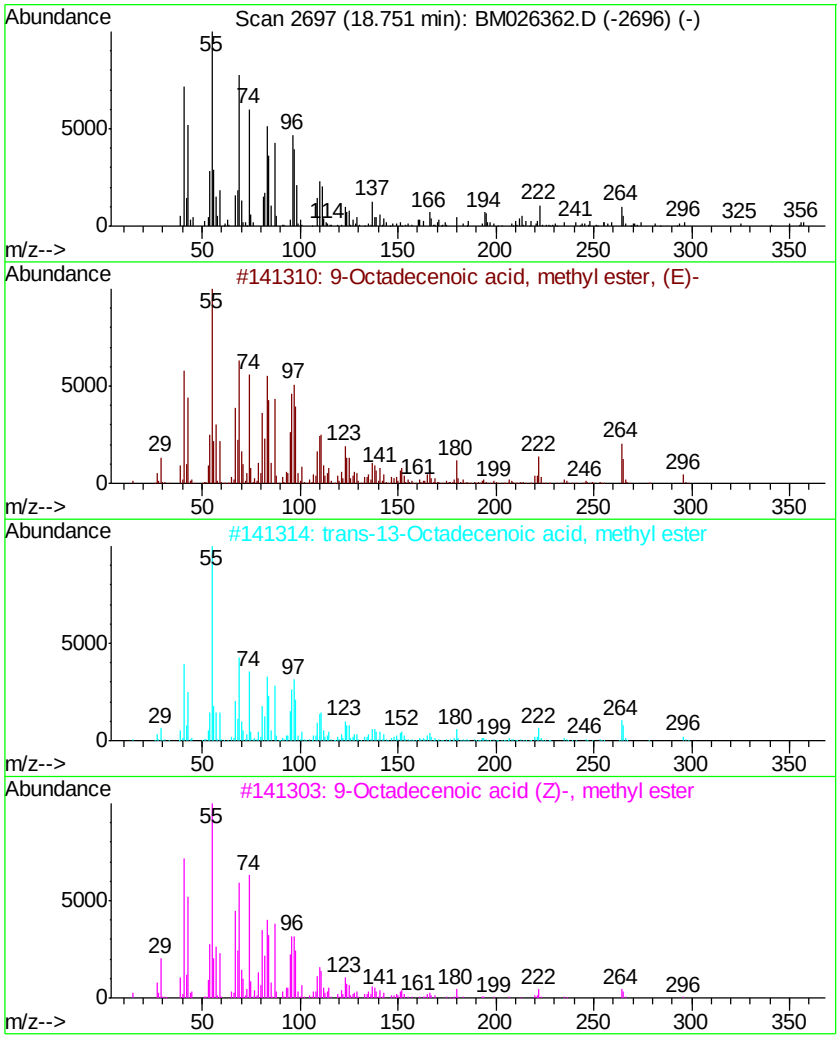
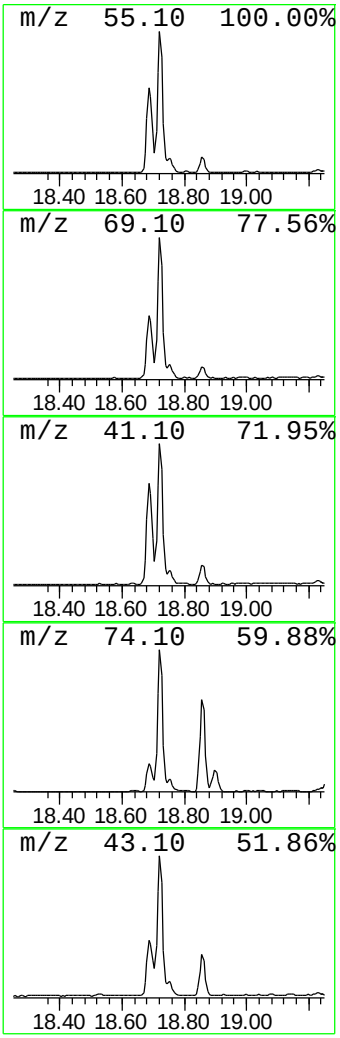
Peak Number 17 9-Octadecenoic acid, methyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	13.13 ng	941320	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	83
2	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	64
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	64
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	55
5	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	55





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Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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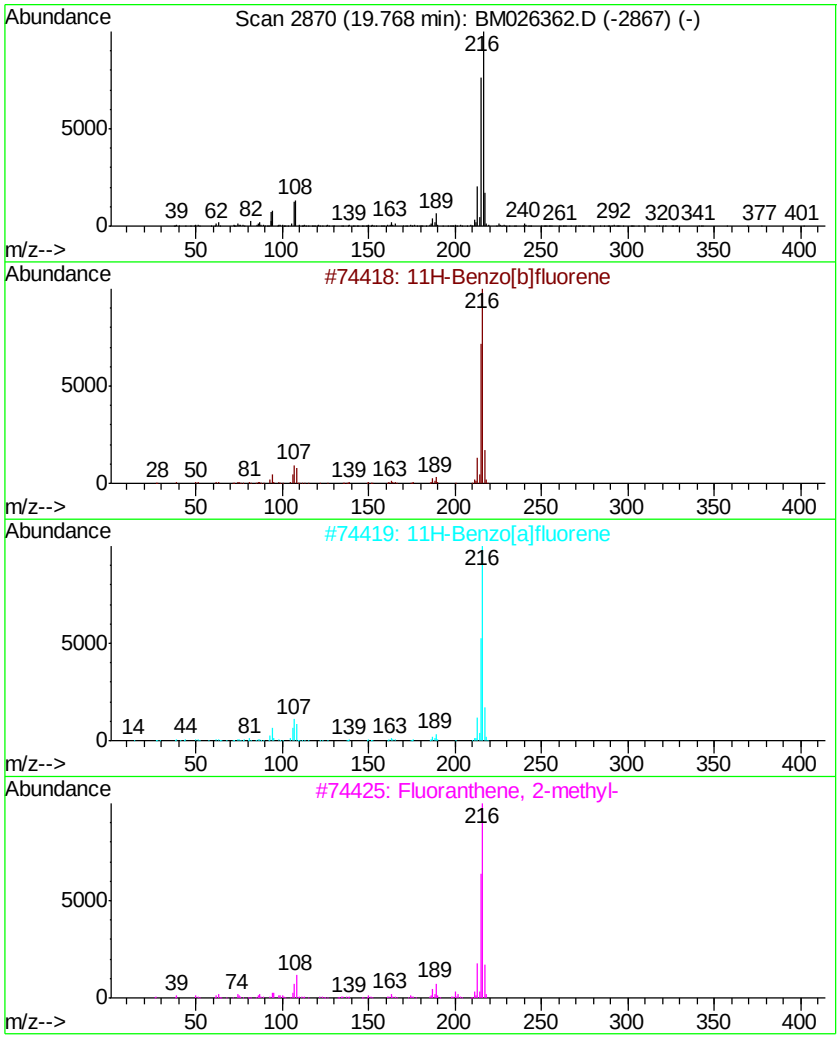
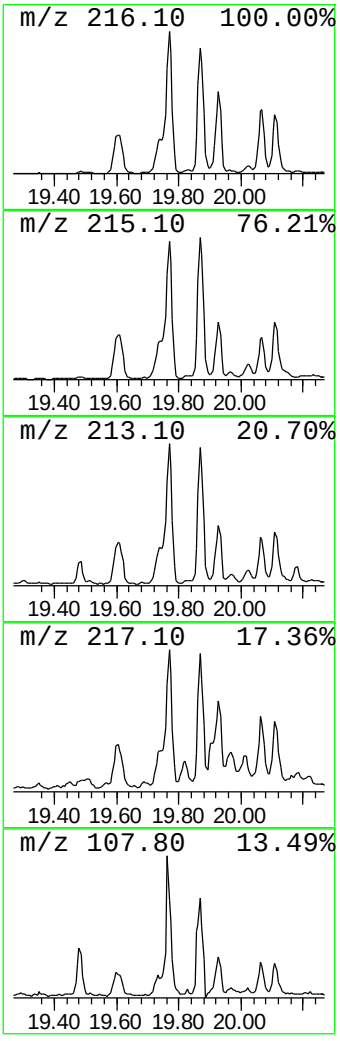
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	4.75 ng	1217520	Chrysene-d12	21.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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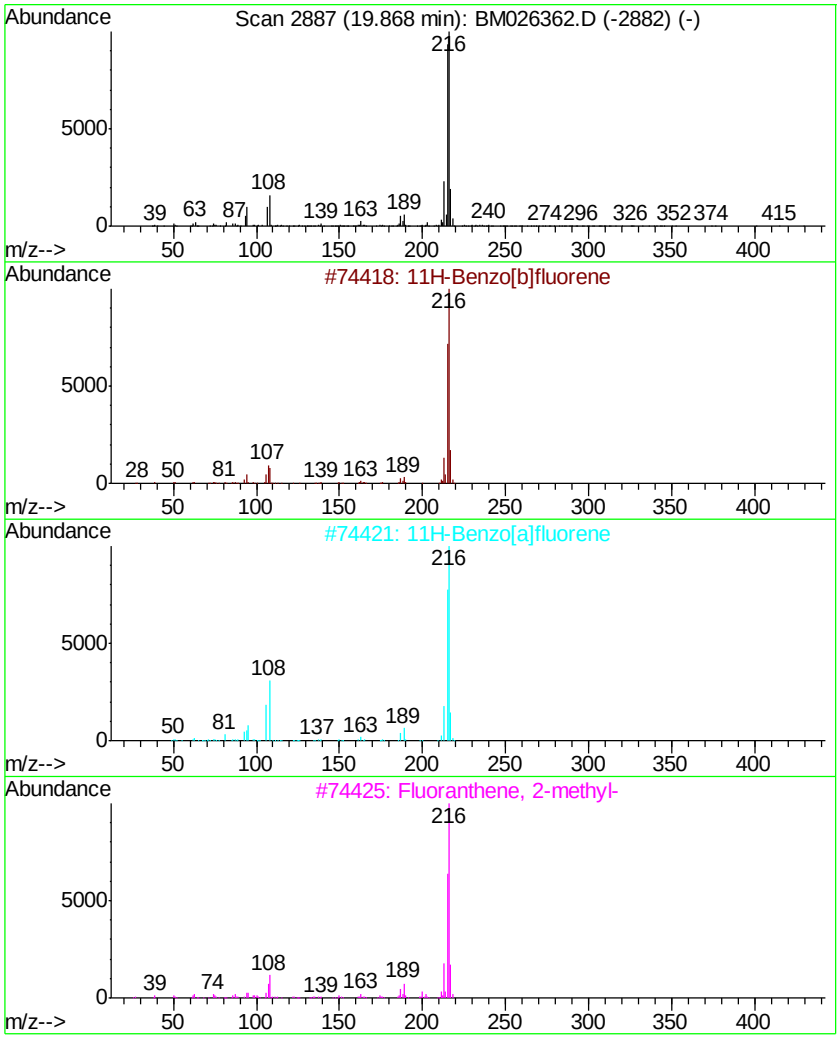
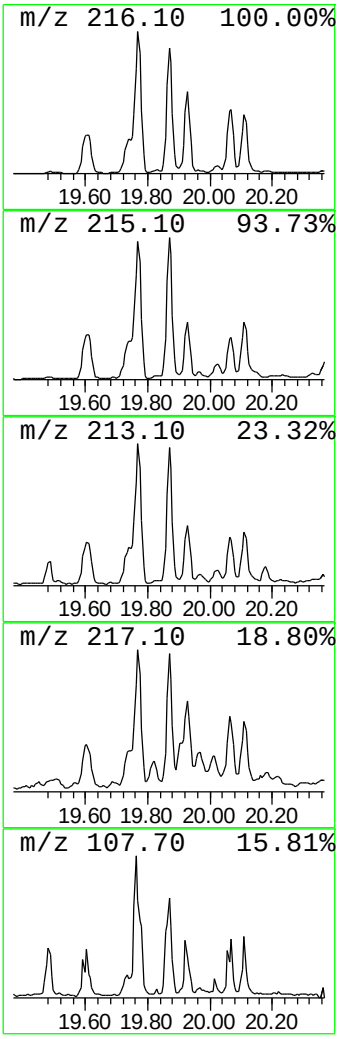
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	4.31 ng	1105570	Chrysene-d12	21.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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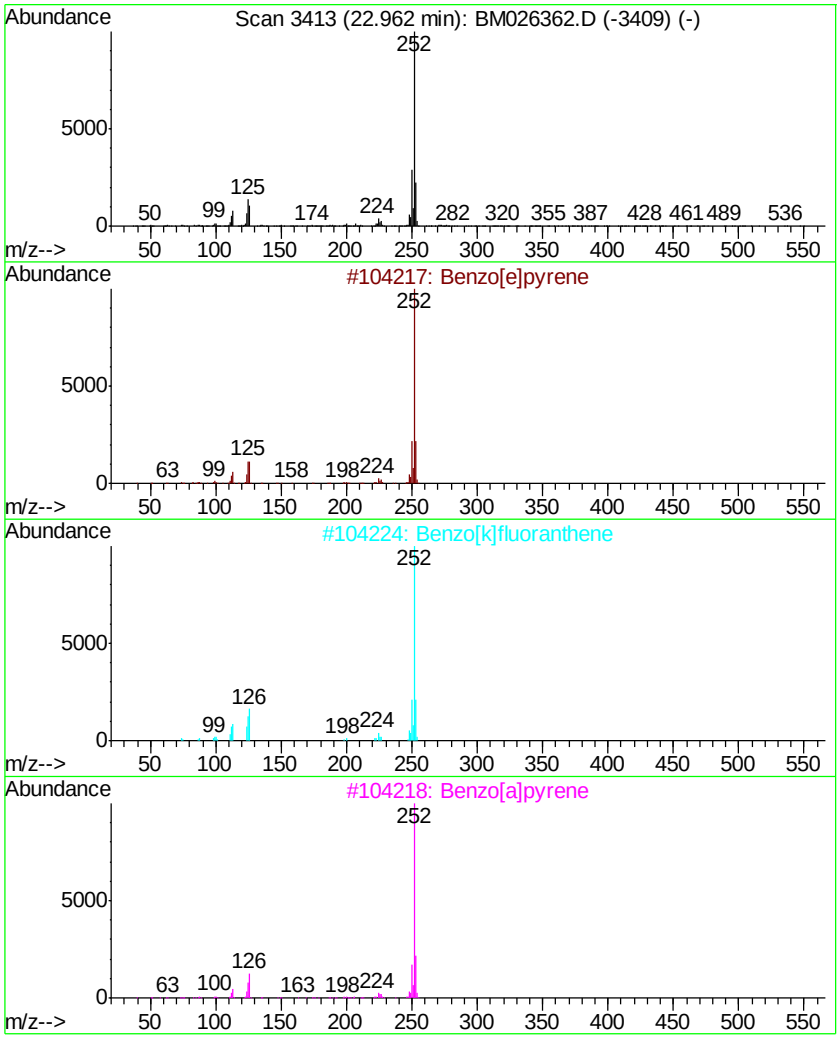
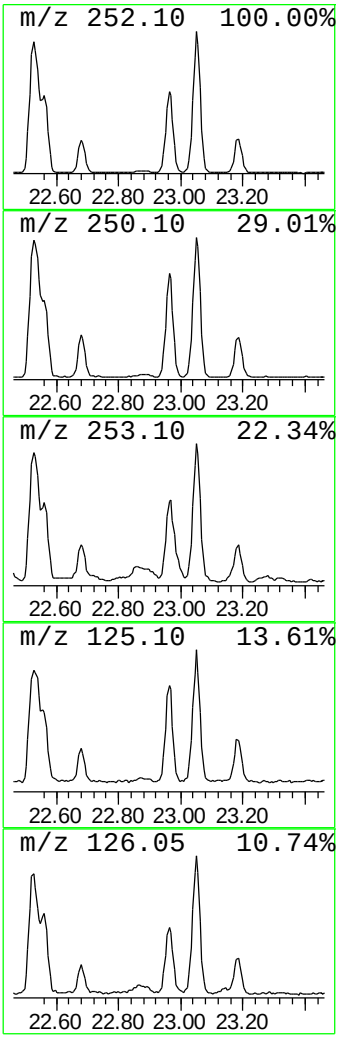
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	14.04 ng	1386270	Perylene-d12	23.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061120\
Data File : BM026362.D
Acq On : 11 Jun 2020 18:49
Operator : JU/CG
Sample : L2817-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-03-061020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Naphthalene, 2,6-...	13.23	6.5	ng	424957	3	14.07	1317560	20.0
Naphthalene, 1,6-...	13.39	7.4	ng	488794	3	14.07	1317560	20.0
9H-Fluorene, 2-me...	16.14	4.5	ng	325534	4	16.83	1433840	20.0
Naphtho[2,1-b]thi...	16.64	10.8	ng	773922	4	16.83	1433840	20.0
Nonadecane	17.36	4.2	ng	302849	4	16.83	1433840	20.0
Pentadecanoic aci...	17.54	27.8	ng	1990470	4	16.83	1433840	20.0
Phenanthrene, 2-m...	17.70	11.1	ng	792037	4	16.83	1433840	20.0
Phenanthrene, 1-m...	17.75	14.9	ng	1064780	4	16.83	1433840	20.0
1H-Cyclopropa[l]p...	17.83	6.5	ng	463648	4	16.83	1433840	20.0
4H-Cyclopenta[def...	17.90	21.4	ng	1537110	4	16.83	1433840	20.0
1H-Indene, 2-phenyl-	17.93	6.9	ng	492024	4	16.83	1433840	20.0
Naphthalene, 2-ph...	18.21	6.3	ng	453964	4	16.83	1433840	20.0
9,10-Dimethylanth...	18.64	9.2	ng	661154	4	16.83	1433840	20.0
9,12-Octadecadien...	18.69	86.8	ng	6222340	4	16.83	1433840	20.0
9-Octadecenoic ac...	18.72	105.2	ng	7542240	4	16.83	1433840	20.0
9-Octadecenoic ac...	18.75	13.1	ng	941320	4	16.83	1433840	20.0
11H-Benzo[b]fluorene	19.77	4.8	ng	1217520	5	21.04	5125290	20.0
11H-Benzo[a]fluorene	19.87	4.3	ng	1105570	5	21.04	5125290	20.0
Benzo[e]pyrene	22.96	14.0	ng	1386270	6	23.14	1974540	20.0