LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.028	71	75	80	rVB	82297	98848	1.45%	0.083%
2	6.975	739	746	758	rBV	1080953	1720539	25.32%	1.451%
3	7.151	769	776	784	rBV	812879	1267172	18.65%	1.068%
4	7.346	802	809	817	rBV	1075298	1713110	25.21%	1.444%
5	7.816	881	889	896	rBV	1438277	2305906	33.94%	1.944%
6	8.510	997	1007	1014	rBV	1330101	2138384	31.47%	1.803%
7	8.969	1077	1085	1092	rBV	1065186	1790073	26.34%	1.509%
8	9.081	1098	1104	1108	rBV	104946	163269	2.40%	0.138%
9	9.687	1199	1207	1219	rBV	915383	1518413	22.35%	1.280%
10	10.216	1288	1297	1306	rBV	1452957	2438909	35.89%	2.056%
11	10.598	1355	1362	1369	rBV	1789311	3182266	46.83%	2.683%
12	10.734	1376	1385	1393	rBV	781811	1383261	20.36%	1.166%
13	13.763	1893	1900	1906	rBV2	85455	153387	2.26%	0.129%
14	13.857	1910	1916	1920	rVV	2420880	3411858	50.21%	2.877%
15	13.904	1920	1924	1932	rVB	1824141	2542304	37.41%	2.144%
16	14.139	1953	1964	1979	rBV	2651513	4530183	66.67%	3.820%
17	14.445	2005	2016	2023	rBV2	2414125	3763686	55.39%	3.173%
18	14.510	2023	2027	2036	rVB3	55117	108667	1.60%	0.092%
19	14.633	2041	2048	2059	rBV	982031	1522620	22.41%	1.284%
20	14.845	2079	2084	2091	rVB3	94927	183264	2.70%	0.155%
21	14.921	2091	2097	2101	rVB	89171	127567	1.88%	0.108%
22	15.063	2113	2121	2125	rBV3	83410	199646	2.94%	0.168%
23	15.245	2148	2152	2159	rVV3	66400	172147	2.53%	0.145%
24	15.310	2159	2163	2170	rVB2	110714	178114	2.62%	0.150%
25	15.439	2176	2185	2190	rBV	3428948	4945615	72.78%	4.170%
26	15.492	2190	2194	2199	rVV3	91673	162397	2.39%	0.137%
27	15.551	2199	2204	2210	rVB	637427	880314	12.96%	0.742%
28	15.786	2239	2244	2254	rVB5	44779	135040	1.99%	0.114%
29	15.939	2261	2270	2276	rVB9	57028	142110	2.09%	0.120%
30	16.168	2304	2309	2317	rBV	222495	381193	5.61%	0.321%
31	16.304	2328	2332	2335	rBV2	61867	93963	1.38%	0.079%
32	16.498	2357	2365	2369	rBV6	84149	219888	3.24%	0.185%
33	16.545	2369	2373	2377	rVV2	84438	118900	1.75%	0.100%
34	16.839	2420	2423	2431	rVB4	74808	135760	2.00%	0.114%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

35	16.957	2439	2443	2447	rVB2	113923	132206	1.95%	0.111%
36	17.010	2447	2452	2461	rVB	160910	271336	3.99%	0.229%
37	17.092	2461	2466	2472	rBV5	80675	142164	2.09%	0.120%
38	17.186	2473	2482	2486	rBV	2678033	4026920	59.26%	3.395%
39	17.227	2486	2489	2494	rVB	1211355	1657992	24.40%	1.398%
40	17.286	2494	2499	2504	rBV2	3349396	4893979	72.02%	4.126%
41	17.374	2510	2514	2521	rBV2	105956	228677	3.37%	0.193%
42	17.462	2526	2529	2532	rVV4	50411	89179	1.31%	0.075%
43	17.498	2532	2535	2539	rVB2	70982	98148	1.44%	0.083%
44	17.592	2546	2551	2556	rBV3	58768	103742	1.53%	0.087%
45	17.692	2565	2568	2576	rVV3	82706	164636	2.42%	0.139%
46	17.768	2577	2581	2588	rVB	239075	342955	5.05%	0.289%
47	17.915	2601	2606	2611	rVB	110783	196688	2.89%	0.166%
48	17.980	2612	2617	2621	rBV4	76834	128971	1.90%	0.109%
49	18.062	2626	2631	2633	rBV	613652	920016	13.54%	0.776%
50	18.086	2633	2635	2637	rVV	914526	1088405	16.02%	0.918%
51	18.110	2637	2639	2644	rVV	852652	1042016	15.34%	0.879%
52	18.192	2650	2653	2658	rVB	133963	166752	2.45%	0.141%
53	18.251	2658	2663	2667	rBV2	675029	1197741	17.63%	1.010%
54	18.292	2667	2670	2678	rVB	503427	718525	10.57%	0.606%
55	18.386	2681	2686	2689	rBV4	153598	244436	3.60%	0.206%
56	18.457	2695	2698	2703	rVB2	149587	211392	3.11%	0.178%
57	18.562	2712	2716	2719	rBV2	271092	368016	5.42%	0.310%
58	18.604	2719	2723	2734	rVB2	279401	643507	9.47%	0.543%
59	18.780	2750	2753	2755	rBV2	135246	177481	2.61%	0.150%
60	18.809	2755	2758	2762	rVV	271904	372871	5.49%	0.314%
61	18.862	2763	2767	2770	rVV	427365	548694	8.08%	0.463%
62	18.898	2770	2773	2778	rVB2	319542	431608	6.35%	0.364%
63	18.980	2782	2787	2792	rBV	899061	1401432	20.62%	1.182%
64	19.039	2792	2797	2801	rVV3	368170	768794	11.31%	0.648%
65	19.074	2801	2803	2807	rVB	310212	305353	4.49%	0.257%
66	19.121	2807	2811	2817	rBV2	400756	759073	11.17%	0.640%
67	19.245	2827	2832	2838	rVB	2215492	2892558	42.57%	2.439%
68	19.309	2839	2843	2846	rBV	188673	260692	3.84%	0.220%
69	19.368	2846	2853	2856	rBV2	558955	880892	12.96%	0.743%
70	19.439	2863	2865	2869	rVB	126958	137497	2.02%	0.116%
71	19.492	2870	2874	2876	rBV2	155754	192814	2.84%	0.163%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

72	19.580	2883	2889	2892	rBV	4061750	6220059	91.54%	5.245%
73	19.609	2892	2894	2902	rVV	2754301	3544386	52.16%	2.989%
74	19.686	2903	2907	2912	rVB2	449249	715136	10.52%	0.603%
75	19.845	2931	2934	2941	rVB5	258087	423575	6.23%	0.357%
76	19.933	2944	2949	2960	rVB5	452522	1103243	16.24%	0.930%
77	20.021	2961	2964	2967	rBV2	123835	142981	2.10%	0.121%
78	20.074	2968	2973	2974	rVV3	353530	544071	8.01%	0.459%
79	20.104	2975	2978	2982	rVB2	549698	721151	10.61%	0.608%
80	20.174	2987	2990	2992	rBV3	115138	155510	2.29%	0.131%
81	20.203	2992	2995	2999	rVB	232837	270515	3.98%	0.228%
82	20.262	3000	3005	3009	rBV	667732	908967	13.38%	0.766%
83	20.403	3025	3029	3032	rBV	535186	676982	9.96%	0.571%
84	20.445	3033	3036	3040	rVB	486796	623611	9.18%	0.526%
85	20.851	3102	3105	3111	rVB	433127	669300	9.85%	0.564%
86	20.939	3118	3120	3124	rVB	201018	222531	3.27%	0.188%
87	20.998	3126	3130	3131	rBV3	267042	352893	5.19%	0.298%
88	21.056	3137	3140	3142	rBV	199972	191915	2.82%	0.162%
89	21.086	3142	3145	3151	rVV3	637230	950796	13.99%	0.802%
90	21.368	3186	3193	3197	rBV2	3889039	6794886	100.00%	5.729%
91	21.403	3197	3199	3209	rVB	1374782	1953934	28.76%	1.648%
92	21.927	3286	3288	3293	rVB	553021	629393	9.26%	0.531%
93	21.986	3294	3298	3304	rVB3	531665	808208	11.89%	0.681%
94	22.968	3459	3465	3469	rBV3	1250525	2658772	39.13%	2.242%
95	23.009	3469	3472	3485	rVB4	1452236	2392724	35.21%	2.017%
96	23.450	3543	3547	3551	rBV	581069	1033643	15.21%	0.872%
97	23.503	3551	3556	3561	rVV	2622564	4911536	72.28%	4.141%
98	23.550	3561	3564	3571	rVB	1179114	1917834	28.22%	1.617%
99	23.650	3575	3581	3587	rBV	2149614	4007014	58.97%	3.379%
100	24.215	3673	3677	3685	rVB2	506895	1016388	14.96%	0.857%

Sum of corrected areas: 118598885

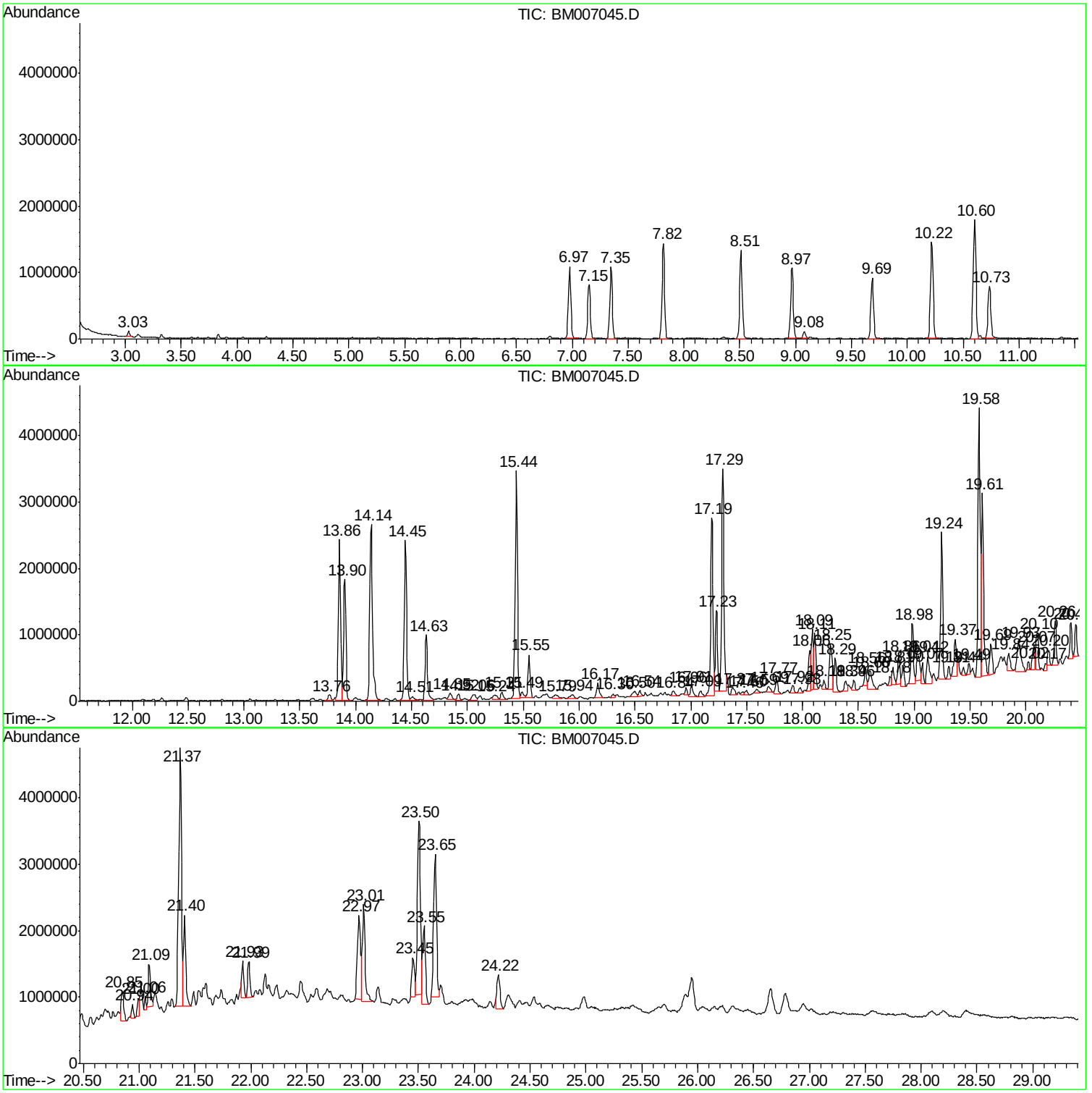
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

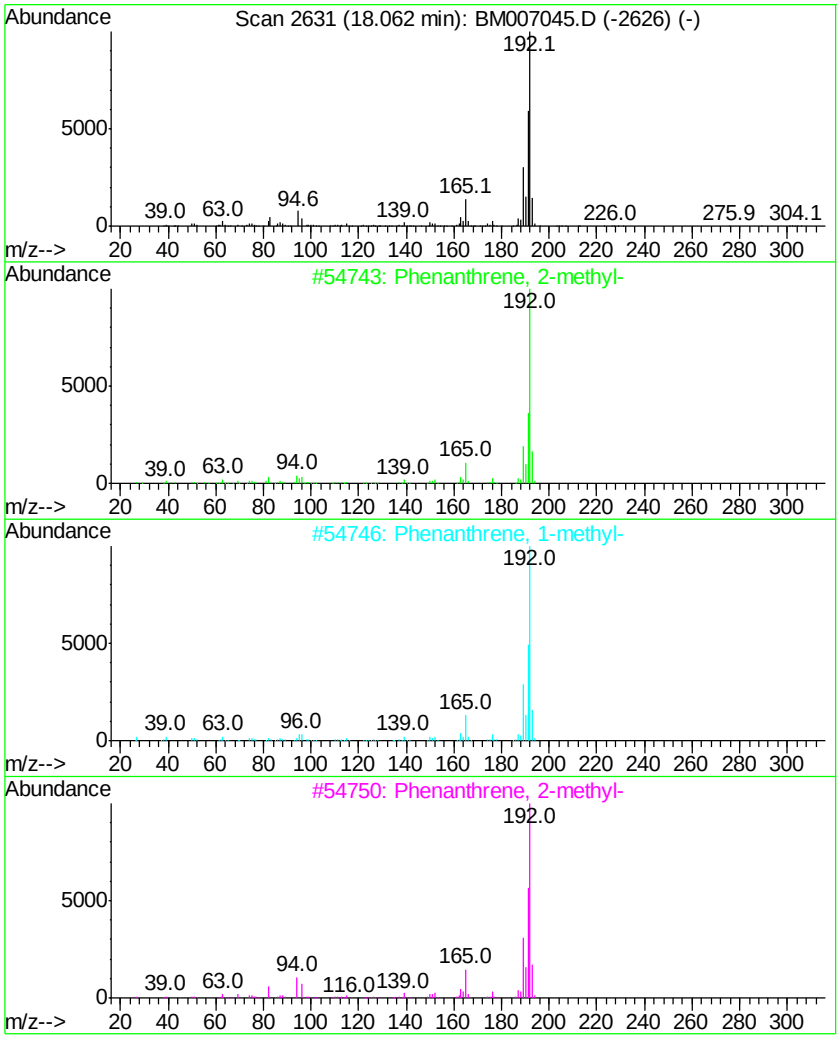
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

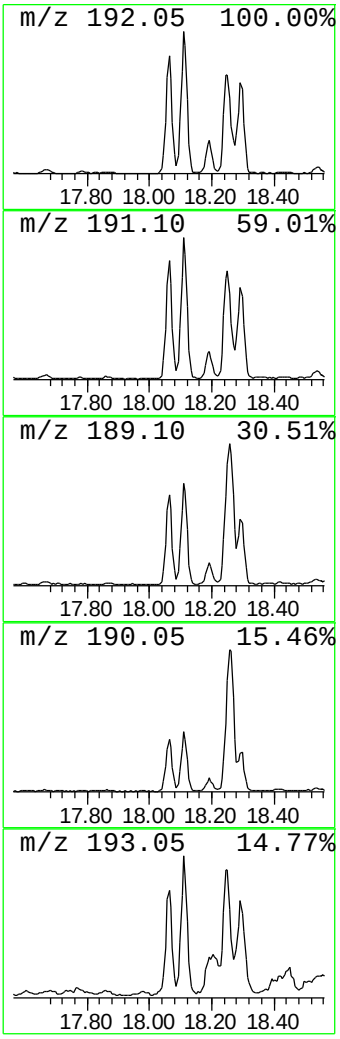
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.57 ng/ul	920016	Phenanthrene-d10	17.19

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

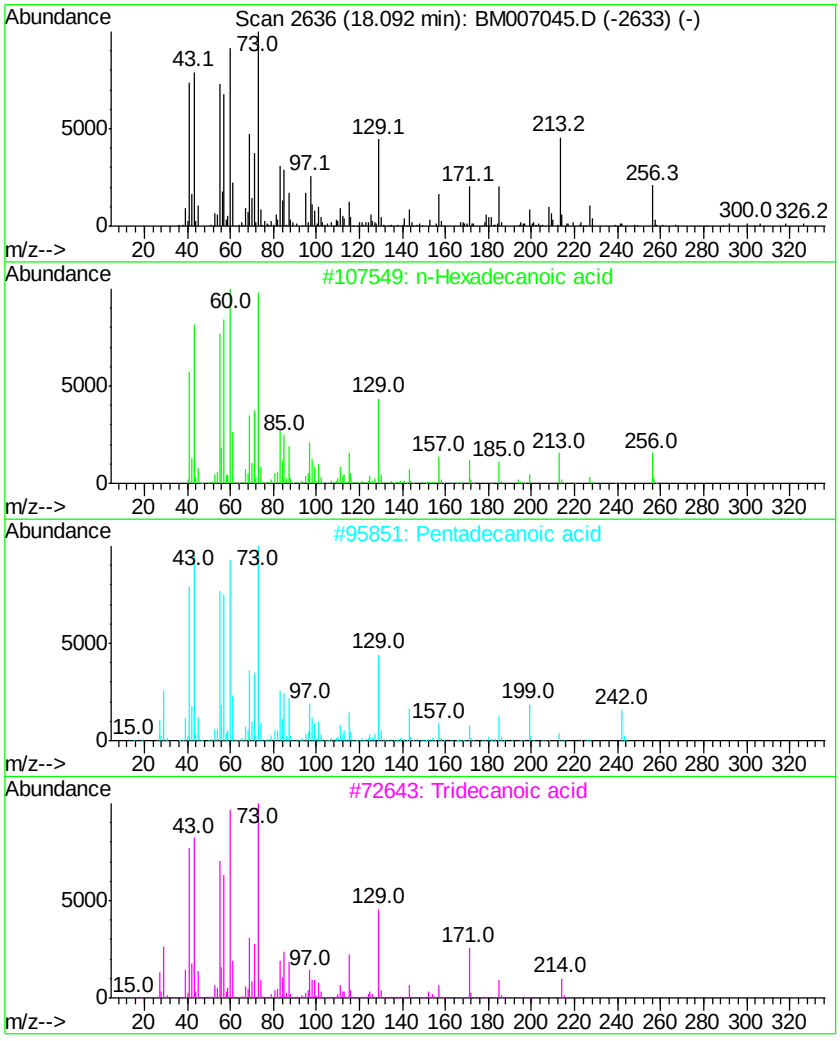
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

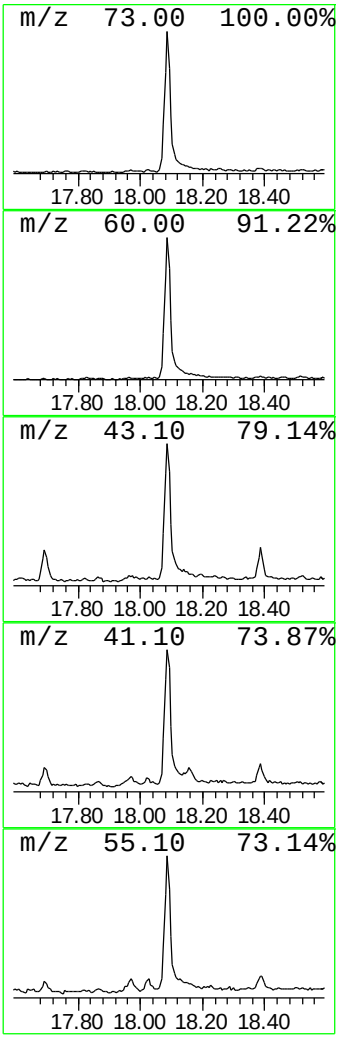
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.41 ng/ul	1088410	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	86
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

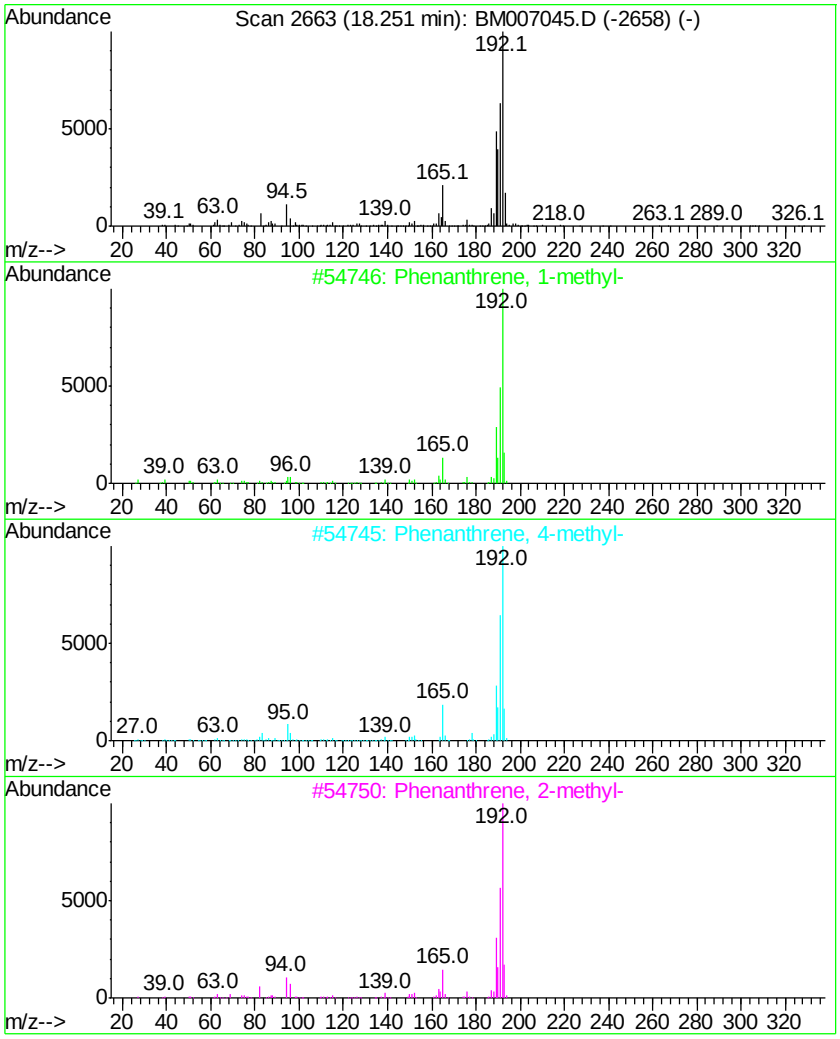
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

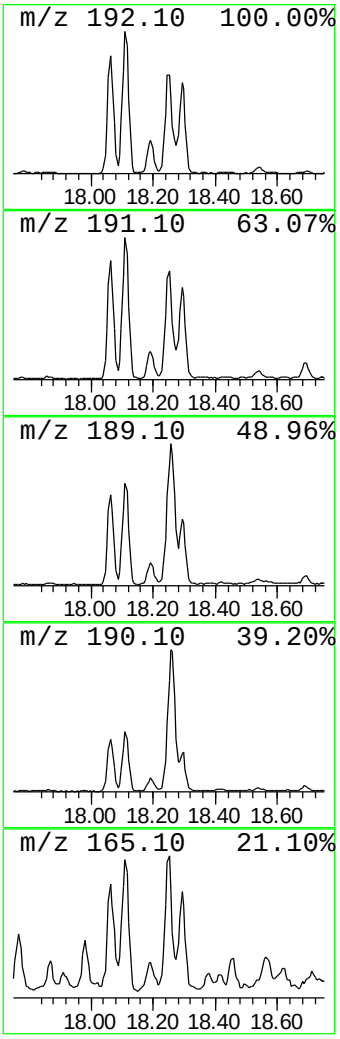
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	5.95 ng/ul	1197740	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

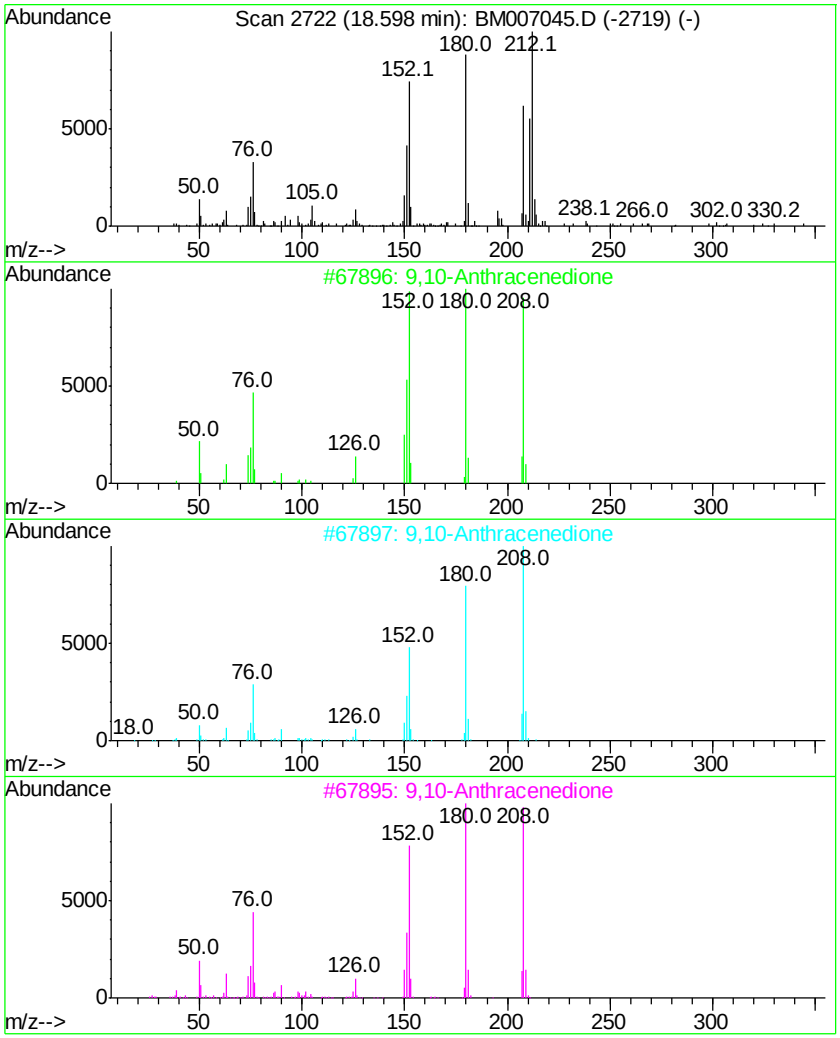
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

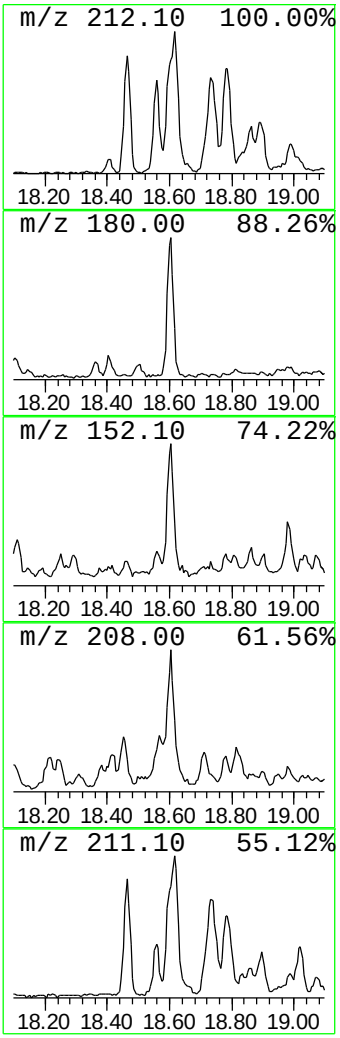
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	3.20 ng/ul	643507	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	78
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

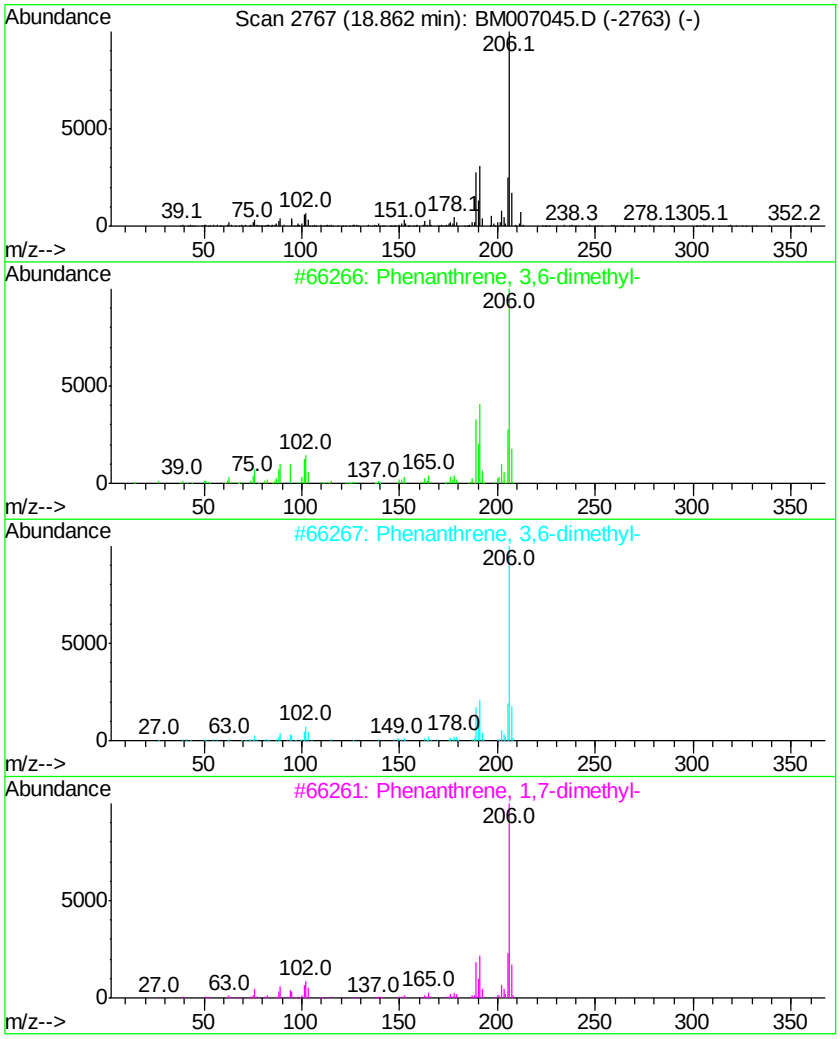
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

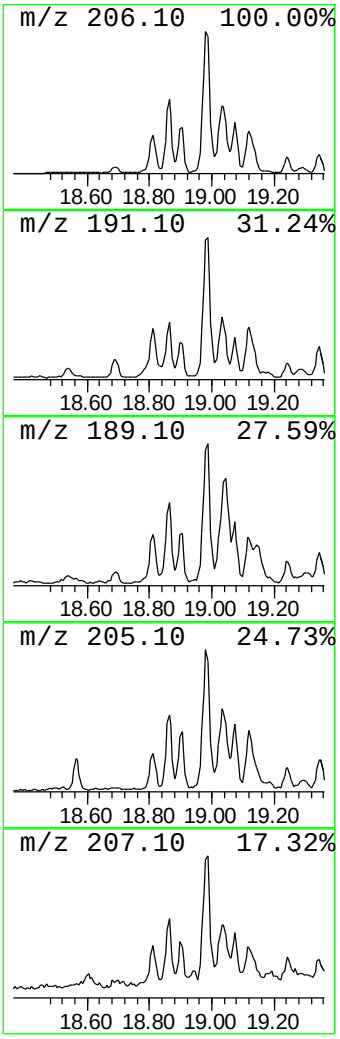
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.73 ng/ul	548694	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

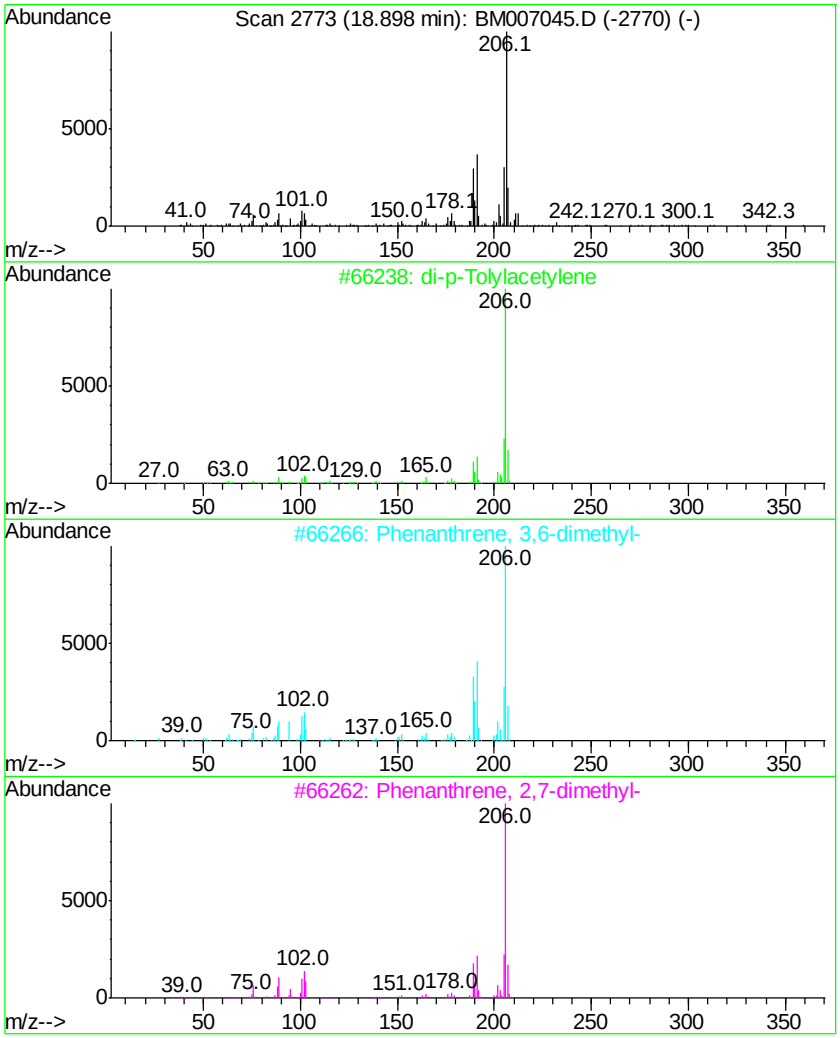
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

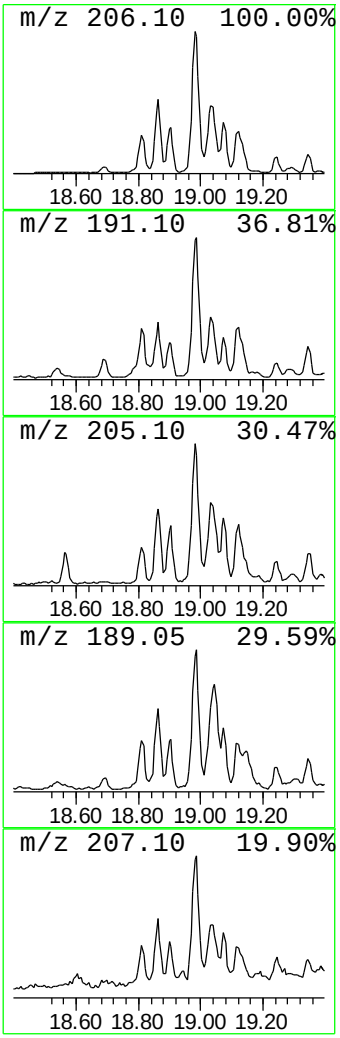
****

Peak Number 8 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.14 ng/ul	431608	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

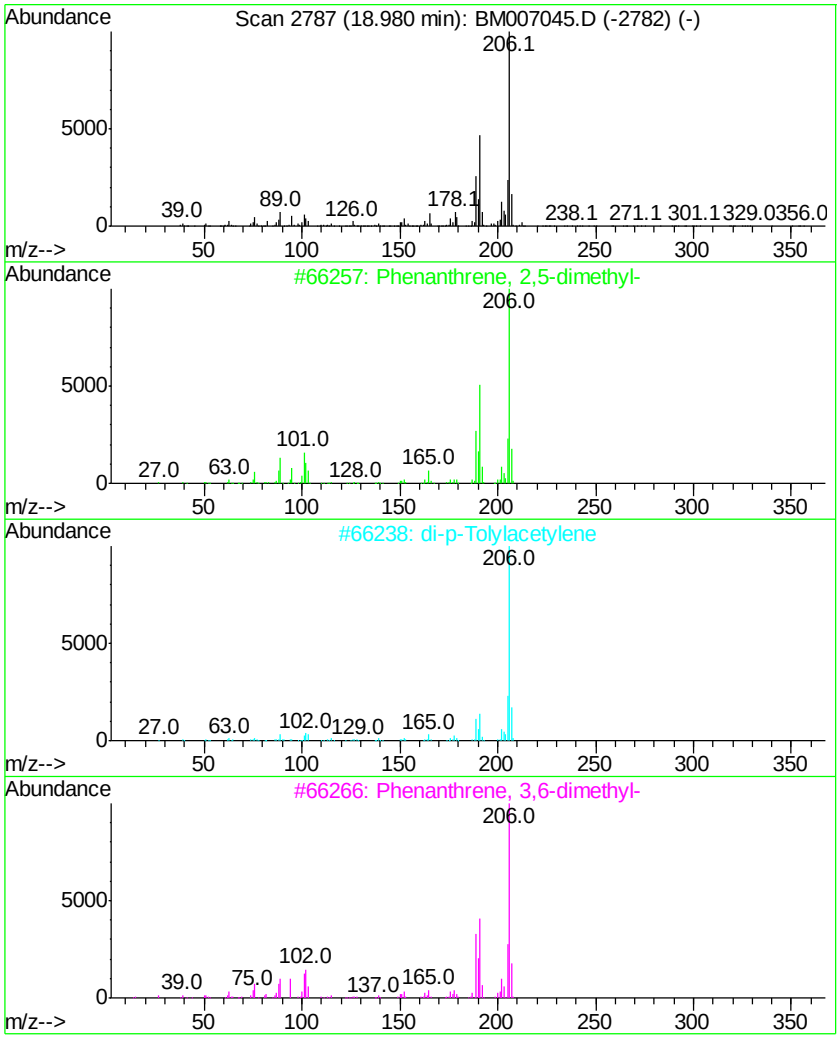
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

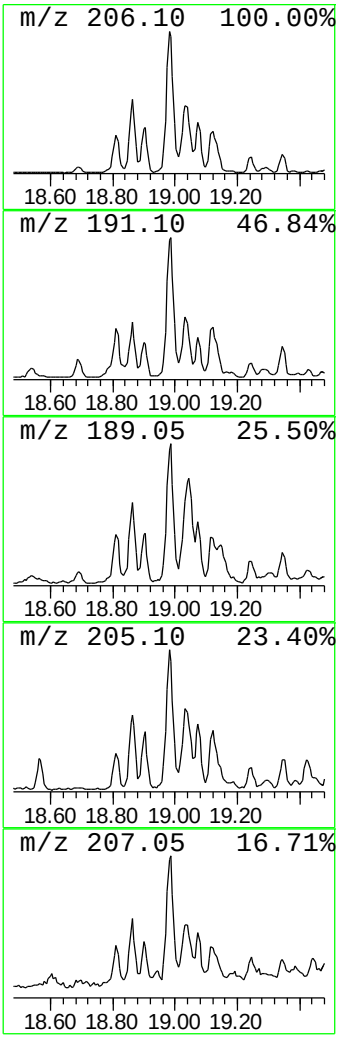
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	6.96 ng/ul	1401430	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

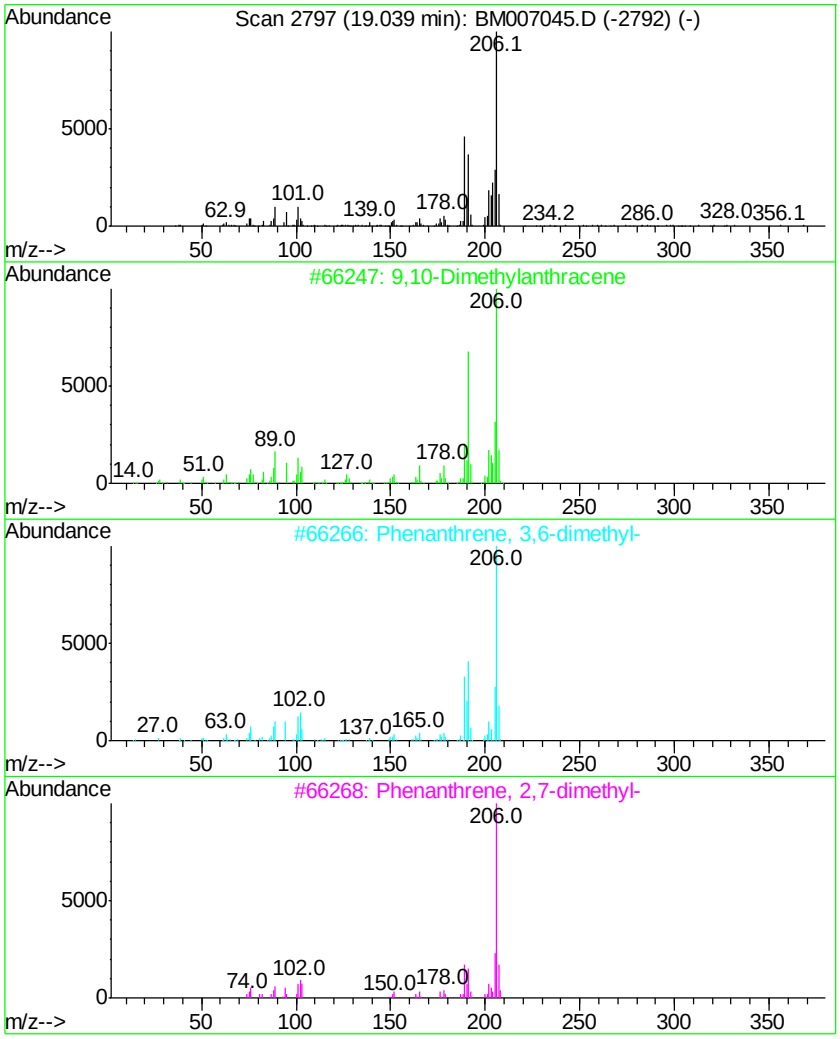
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

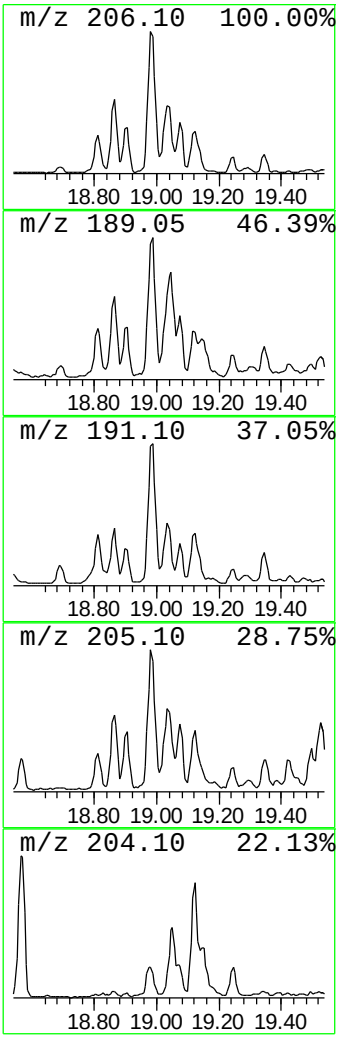
****

Peak Number 10 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.82 ng/ul	768794	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

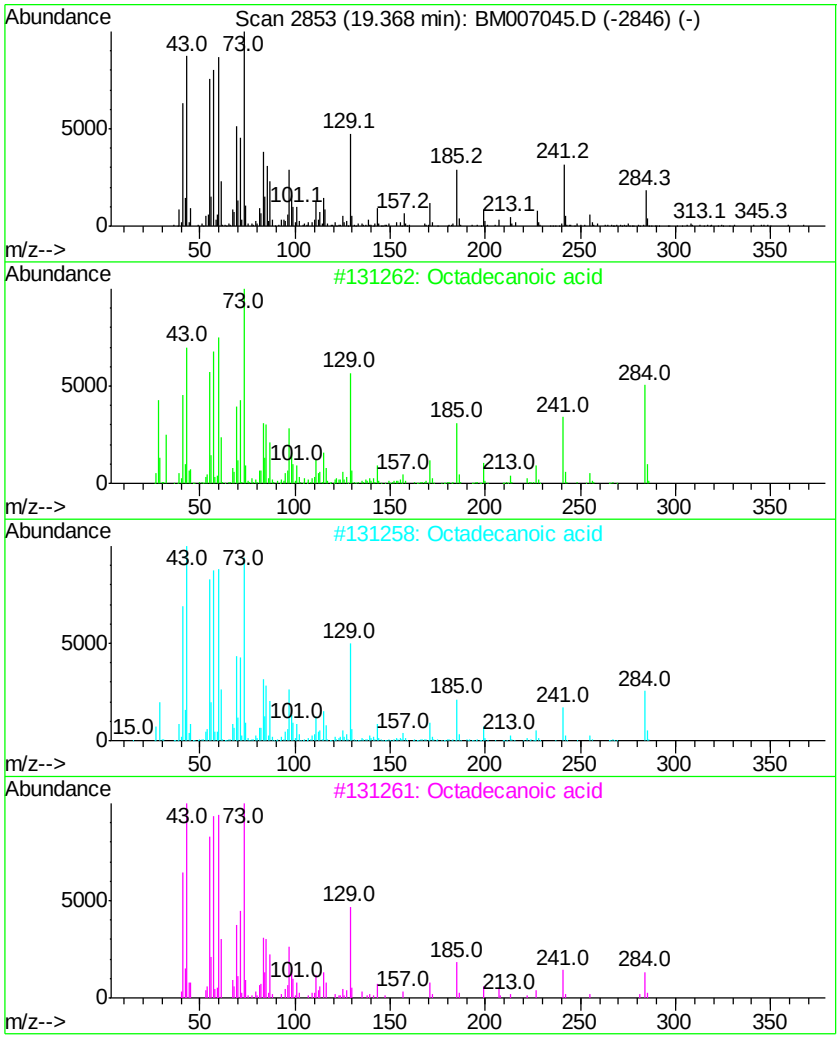
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

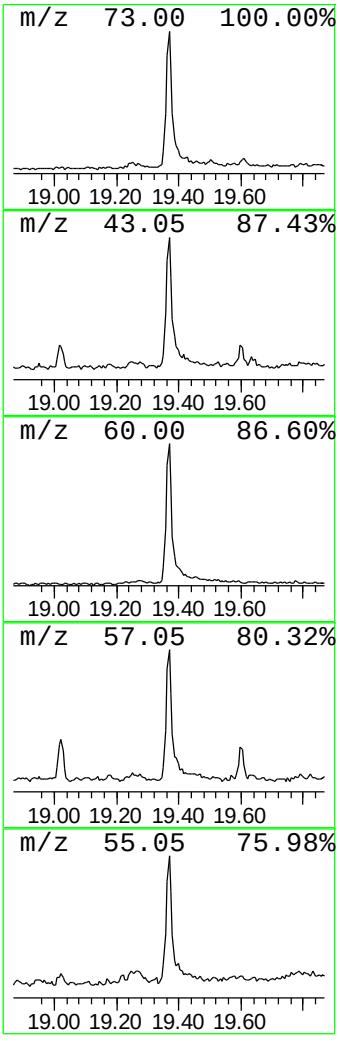
****

Peak Number 12 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	2.59 ng/ul	880892	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

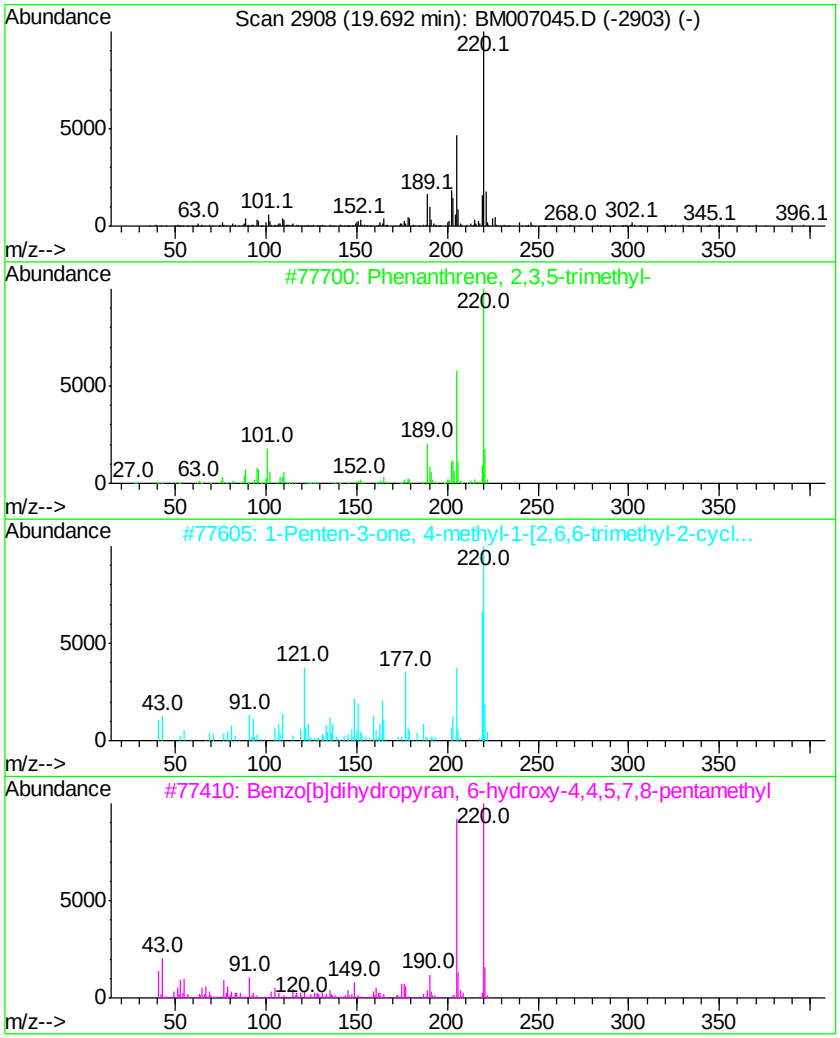
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

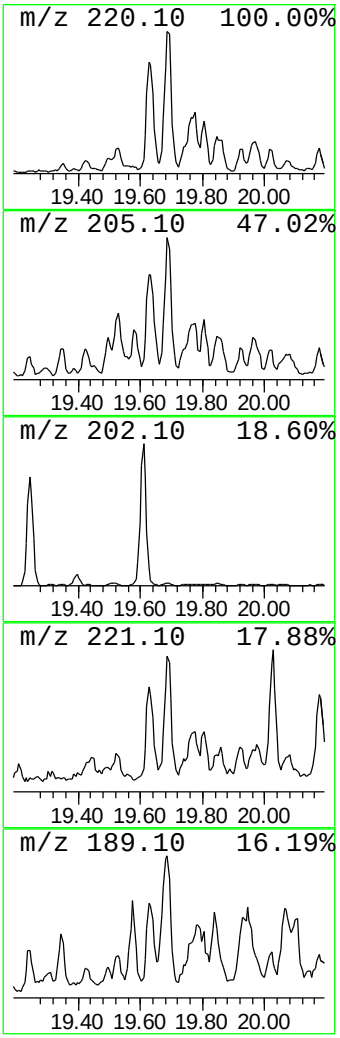
****

Peak Number 13 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.10 ng/ul	715136	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	94
2	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	53
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	50
4	Cyclopropanecarboxylic acid, 1-(...	360	C23H36O3	108546-71-0	50
5	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

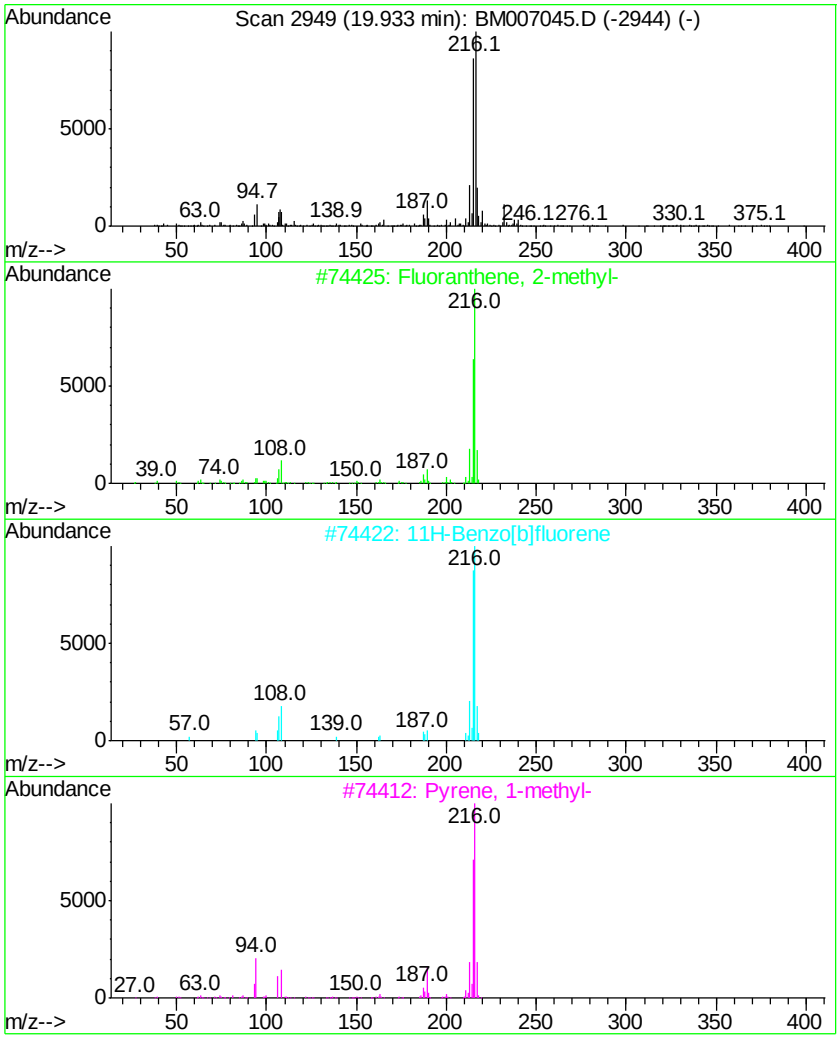
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

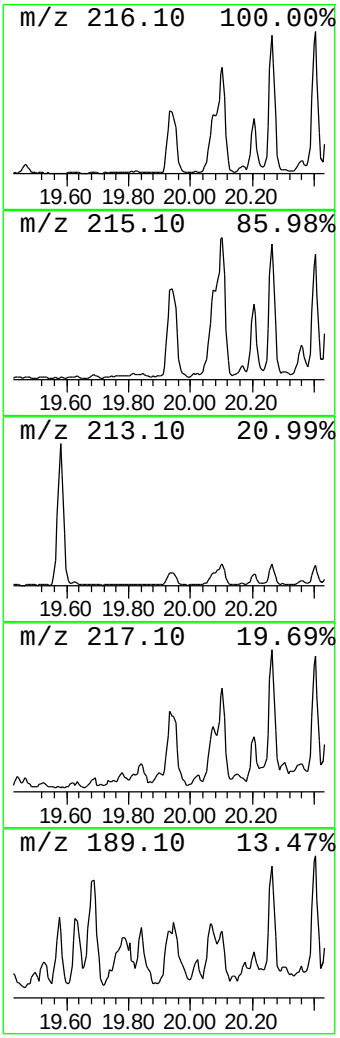
****

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	3.25 ng/ul	1103240	Chrysene-d12	21.37

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

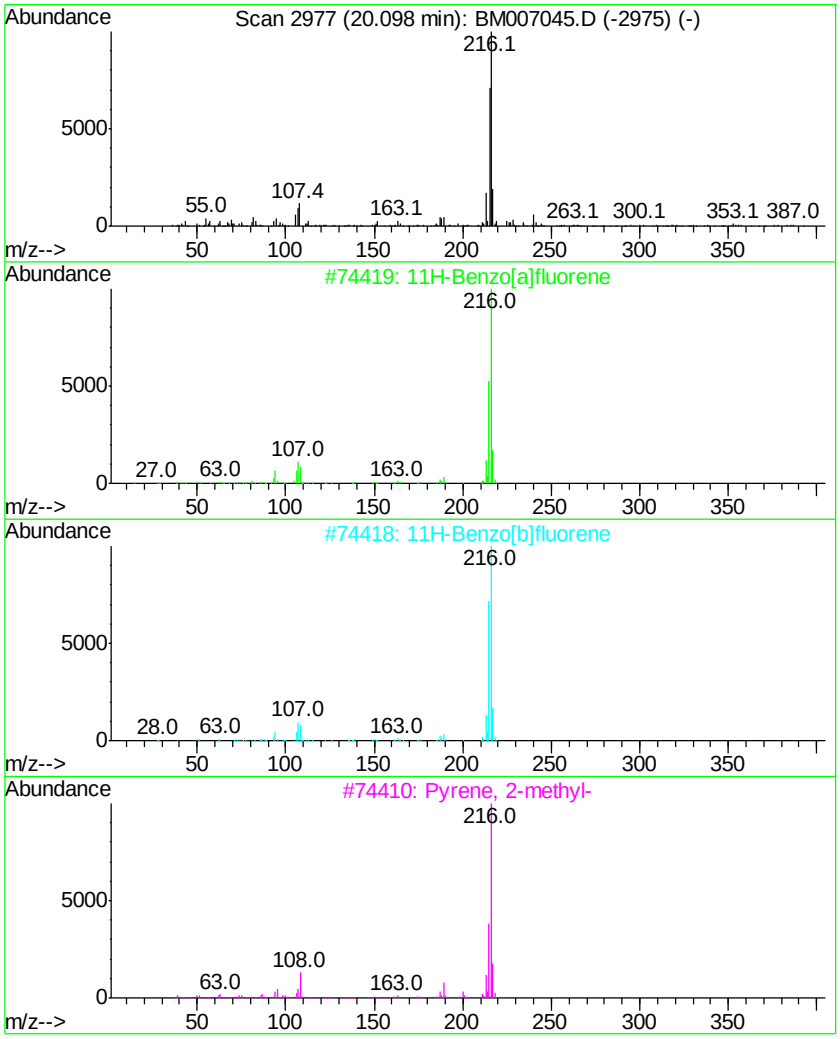
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

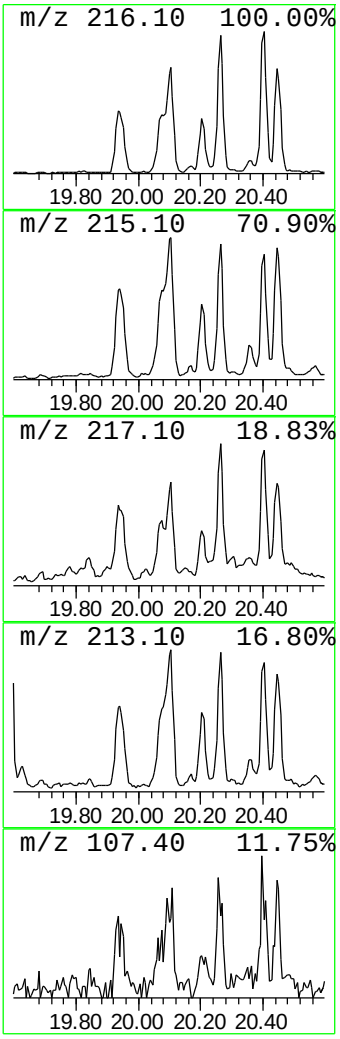
****

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.12 ng/ul	721151	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

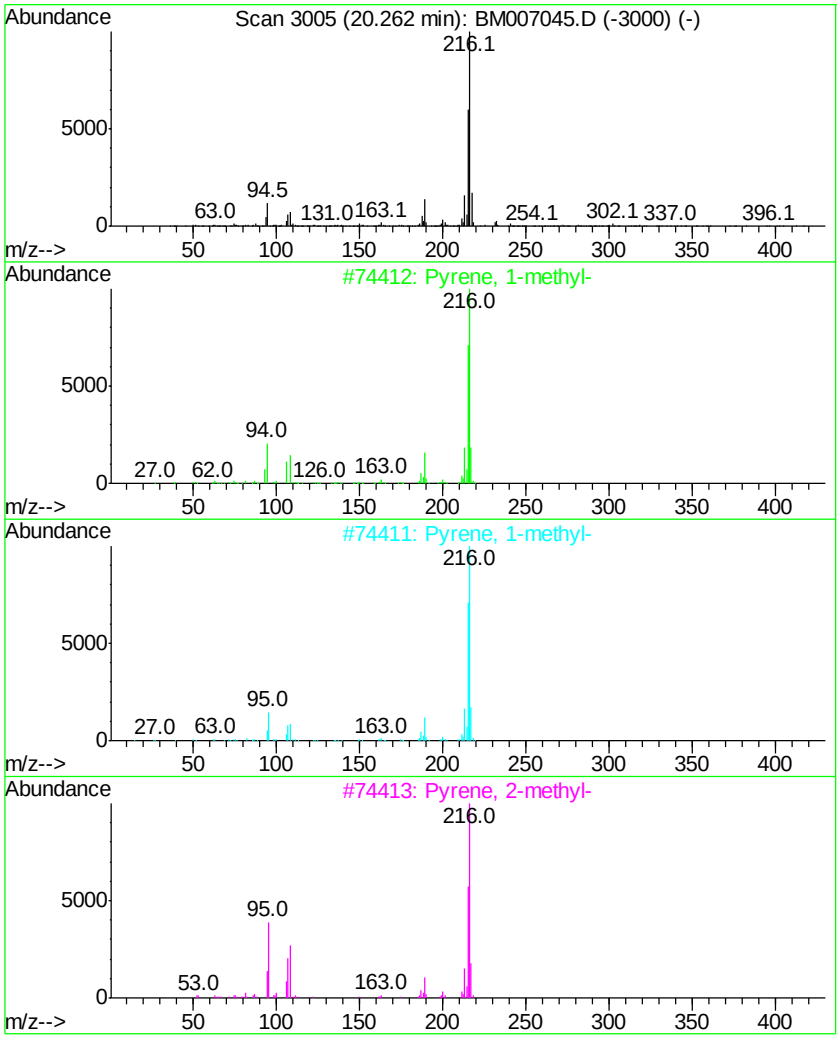
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

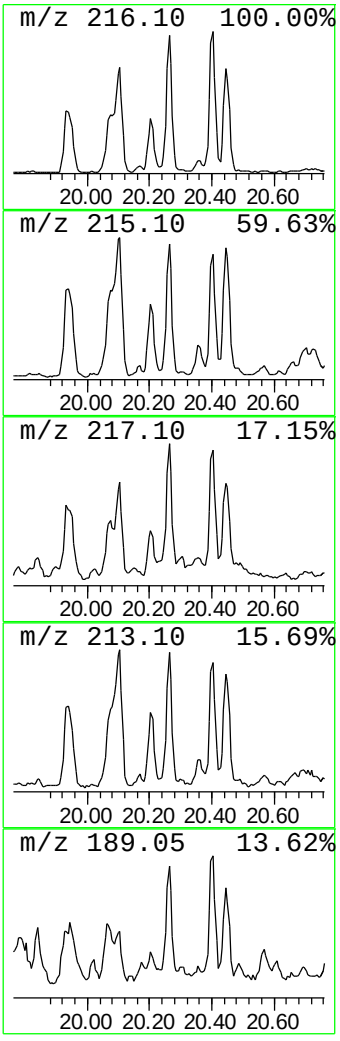
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.68 ng/ul	908967	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

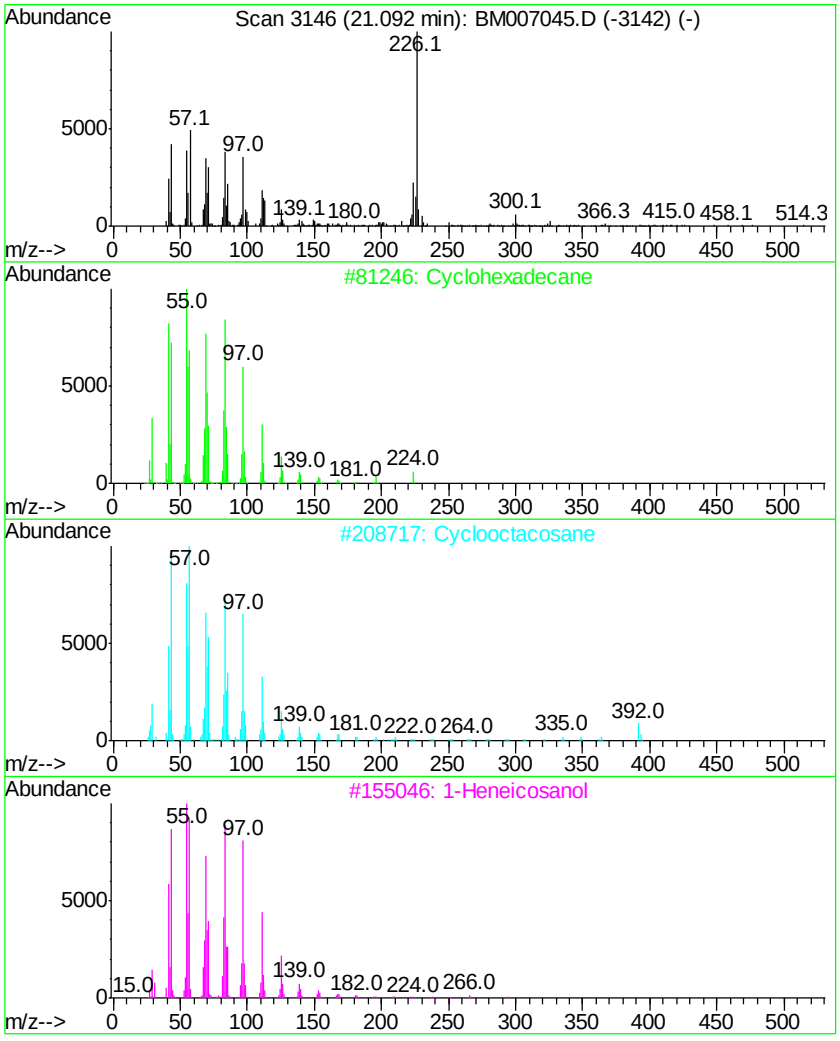
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

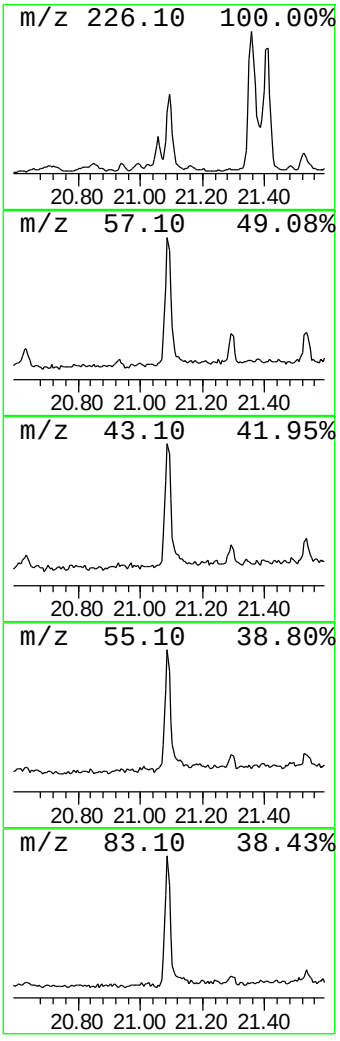
****

Peak Number 17 (DEL) Alkane: Cyclic21.09 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.80 ng/ul	950796	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	Cyclooctacosane	392	C28H56	000297-24-5	90
3	1-Heneicosanol	312	C21H44O	015594-90-8	89
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	70
5	Cyclohexadecane	224	C16H32	000295-65-8	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

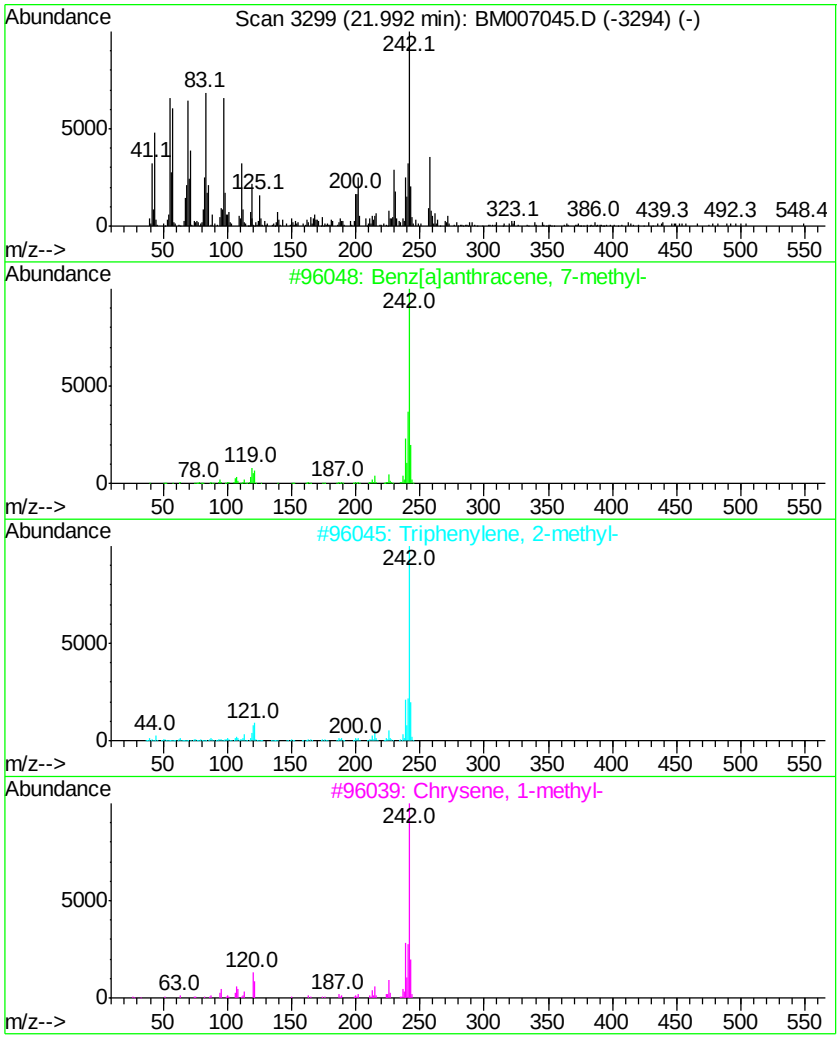
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

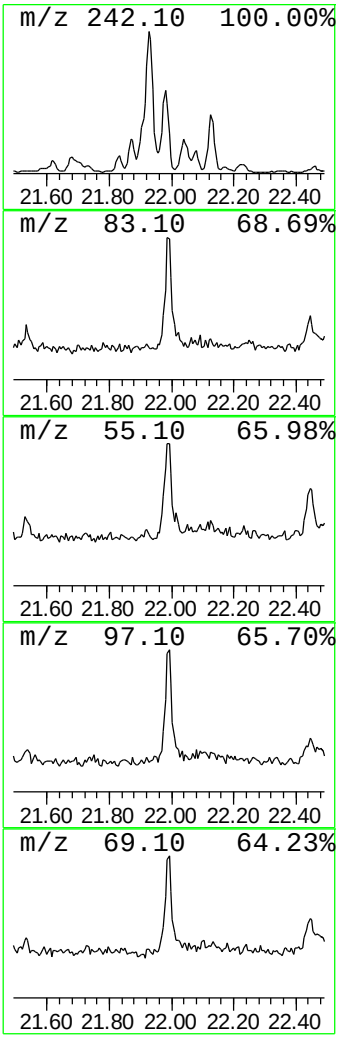
****

Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	2.38 ng/ul	808208	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	83
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	70
5	2-Methylchrysene	242	C19H14	003351-32-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

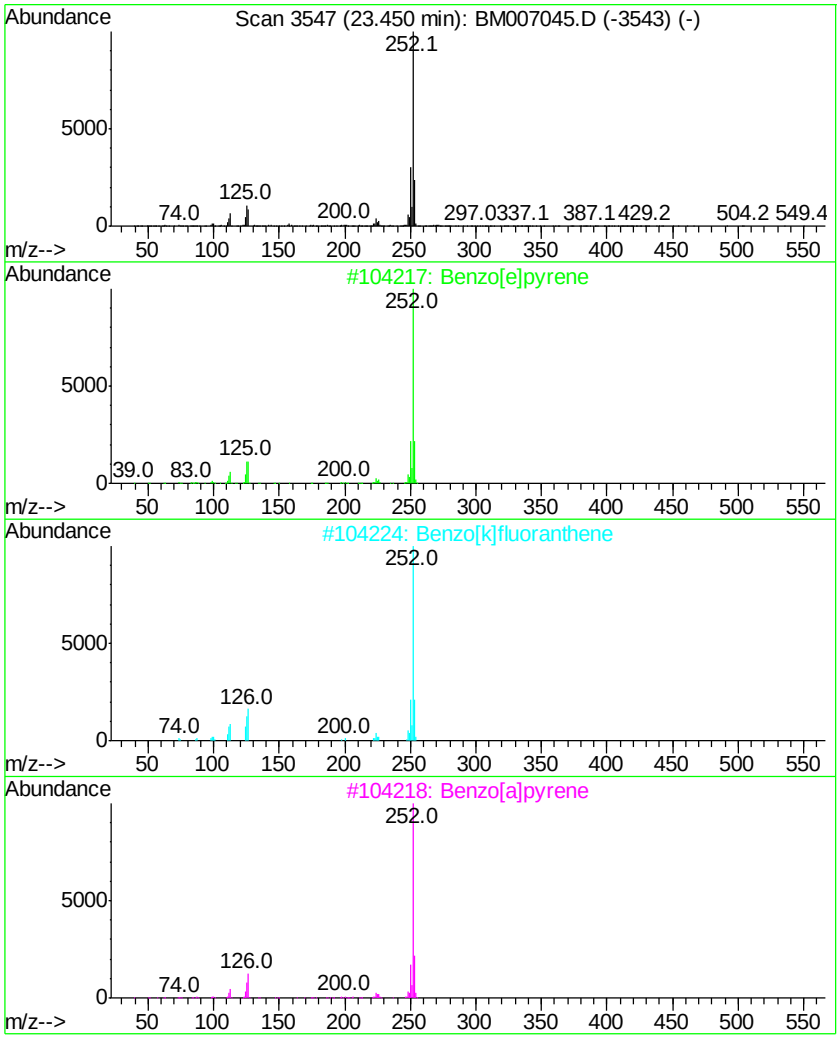
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

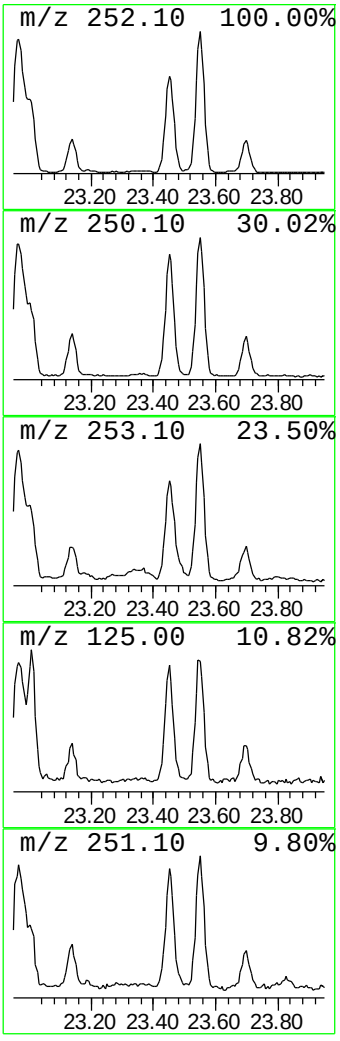
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	5.16 ng/ul	1033640	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

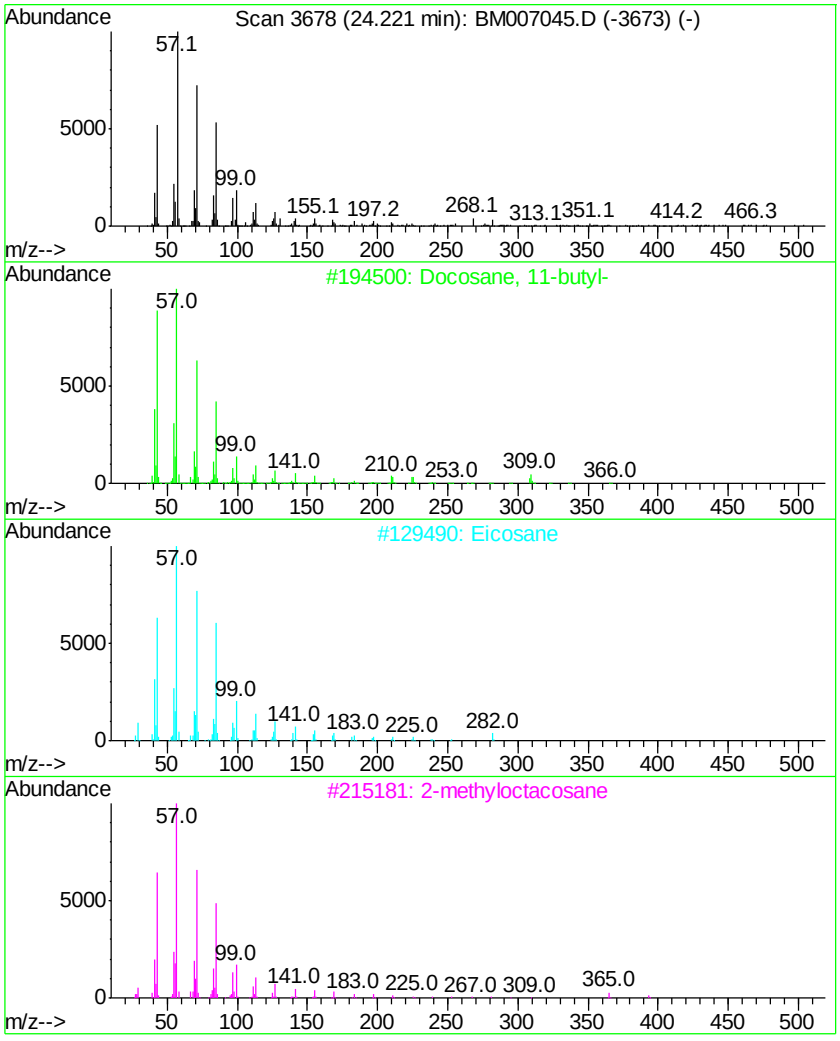
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

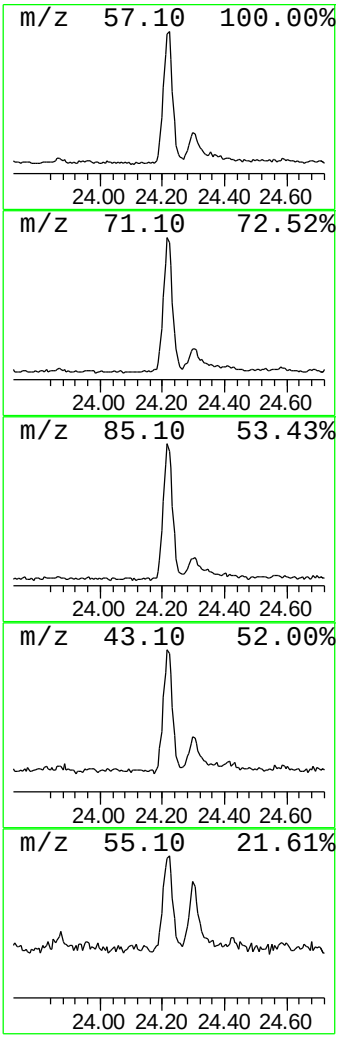
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.22	5.07 ng/ul	1016390	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	94
2	Eicosane	282	C20H42	000112-95-8	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hentriacontane	437	C31H64	000630-04-6	91
5	Hexacosane	366	C26H54	000630-01-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
Data File : BM007045.D
Acq On : 12 Aug 2016 16:01
Operator : UM/SJ
Sample : H4387-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0002-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	18.06	4.6	ng/ul	920016	4	17.19	4026920	20.0
n-Hexadecanoic acid	18.09	5.4	ng/ul	1088410	4	17.19	4026920	20.0
Phenanthrene, 1-m...	18.25	6.0	ng/ul	1197740	4	17.19	4026920	20.0
9,10-Anthracenedione	18.60	3.2	ng/ul	643507	4	17.19	4026920	20.0
Phenanthrene, 3,6...	18.86	2.7	ng/ul	548694	4	17.19	4026920	20.0
di-p-Tolylacetylene	18.90	2.1	ng/ul	431608	4	17.19	4026920	20.0
Phenanthrene, 2,5...	18.98	7.0	ng/ul	1401430	4	17.19	4026920	20.0
9,10-Dimethylanth...	19.04	3.8	ng/ul	768794	4	17.19	4026920	20.0
Octadecanoic acid	19.37	2.6	ng/ul	880892	5	21.37	6794890	20.0
Phenanthrene, 2,3...	19.69	2.1	ng/ul	715136	5	21.37	6794890	20.0
Fluoranthene, 2-m...	19.93	3.3	ng/ul	1103240	5	21.37	6794890	20.0
11H-Benzo[a]fluorene	20.10	2.1	ng/ul	721151	5	21.37	6794890	20.0
Pyrene, 1-methyl-	20.26	2.7	ng/ul	908967	5	21.37	6794890	20.0
(DEL) Alkane: Cyc...	21.09	2.8	ng/ul	950796	5	21.37	6794890	20.0
Benz[a]anthracene...	21.99	2.4	ng/ul	808208	5	21.37	6794890	20.0
Benzo[e]pyrene	23.45	5.2	ng/ul	1033640	6	23.65	4007010	20.0
(DEL) Alkane: Str...	24.22	5.1	ng/ul	1016390	6	23.65	4007010	20.0