LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

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-BM082316.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	5.822	544	550	559	rBV	106896	177043	1.78%	0.143%
2	6.957	734	743	752	rBV2	626858	1487295	14.99%	1.201%
3	7.128	765	772	777	rBV	415119	629956	6.35%	0.509%
4	7.328	799	806	815	rVB	541076	908934	9.16%	0.734%
5	7.793	875	885	895	rBV	1000341	1707320	17.21%	1.379%
6	8.492	998	1004	1012	rVV	812421	1368580	13.80%	1.105%
7	8.945	1074	1081	1088	rVV	613667	1051797	10.60%	0.850%
8	9.663	1195	1203	1214	rBV	547618	981969	9.90%	0.793%
9	9.828	1225	1231	1239	rVB2	80221	148910	1.50%	0.120%
10	10.198	1288	1294	1302	rVB	904660	1548474	15.61%	1.251%
11	10.575	1348	1358	1363	rBV	1646059	2964751	29.89%	2.395%
12	10.628	1363	1367	1373	rVV	281349	474213	4.78%	0.383%
13	10.716	1373	1382	1392	rVB2	356313	732107	7.38%	0.591%
14	11.592	1526	1531	1540	rBV	138946	224981	2.27%	0.182%
15	11.992	1594	1599	1609	rBV	150660	231758	2.34%	0.187%
16	12.239	1634	1641	1645	rBV	521708	957493	9.65%	0.773%
17	12.275	1645	1647	1659	rVB	283794	475450	4.79%	0.384%
18	12.457	1672	1678	1685	rBV	401299	631602	6.37%	0.510%
19	12.951	1758	1762	1768	rVB2	107182	158858	1.60%	0.128%
20	13.245	1805	1812	1819	rBV2	279268	493433	4.97%	0.399%
21	13.316	1819	1824	1836	rVB5	89405	240994	2.43%	0.195%
22	13.580	1864	1869	1871	rBV2	156059	249695	2.52%	0.202%
23	13.739	1891	1896	1901	rVV	355084	653223	6.58%	0.528%
24	13.792	1901	1905	1907	rVV	315994	455527	4.59%	0.368%
25	13.833	1907	1912	1916	rVV	1860715	2775430	27.98%	2.242%
26	13.880	1916	1920	1928	rVB	1230129	1944639	19.60%	1.571%
27	13.980	1933	1937	1940	rVV	215058	333990	3.37%	0.270%
28	14.116	1954	1960	1971	rVB	2089670	3334872	33.62%	2.694%
29	14.316	1990	1994	2002	rVB	303242	407377	4.11%	0.329%
30	14.422	2002	2012	2019	rBV2	2783651	4669619	47.07%	3.772%
31	14.627	2042	2047	2056	rBV	722804	1334840	13.46%	1.078%
32	14.822	2075	2080	2086	rVB	439236	696027	7.02%	0.562%
33	14.898	2086	2093	2097	rBV	155568	247521	2.50%	0.200%
34	14.939	2097	2100	2109	rVB7	72128	148896	1.50%	0.120%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

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-BM082316.M
Title : SVOA CALIBRATION

35	15.039	2113	2117	2121	rVV2	154761	242290	2.44%	0.196%
36	15.092	2121	2126	2130	rVB	155202	213340	2.15%	0.172%
37	15.210	2141	2146	2150	rBV3	221624	349448	3.52%	0.282%
38	15.269	2153	2156	2161	rVB	399601	489300	4.93%	0.395%
39	15.351	2163	2170	2173	rBV6	80666	169906	1.71%	0.137%
40	15.416	2174	2181	2186	rVV	2825883	4147813	41.81%	3.350%
41	15.457	2186	2188	2193	rVB	251999	316710	3.19%	0.256%
42	15.539	2193	2202	2214	rBV3	836995	1458664	14.70%	1.178%
43	15.680	2219	2226	2233	rVB4	201063	418467	4.22%	0.338%
44	15.763	2233	2240	2246	rVB2	290177	546346	5.51%	0.441%
45	15.910	2258	2265	2273	rVB2	264792	652214	6.57%	0.527%
46	15.998	2273	2280	2287	rVB3	148009	355638	3.59%	0.287%
47	16.133	2298	2303	2304	rBV	581794	706063	7.12%	0.570%
48	16.151	2304	2306	2312	rVB2	625671	842038	8.49%	0.680%
49	16.704	2394	2400	2404	rBV2	265890	526853	5.31%	0.426%
50	16.821	2416	2420	2427	rBV2	367061	580877	5.86%	0.469%
51	16.927	2428	2438	2444	rBV3	1005915	1939597	19.55%	1.567%
52	17.168	2473	2479	2483	rBV	3864722	5707777	57.54%	4.610%
53	17.210	2483	2486	2490	rVV	1290612	1733241	17.47%	1.400%
54	17.263	2490	2495	2505	rVB2	3113948	4836715	48.76%	3.907%
55	17.351	2506	2510	2515	rVV2	115755	189710	1.91%	0.153%
56	17.480	2528	2532	2538	rVB3	287134	450699	4.54%	0.364%
57	17.657	2558	2562	2573	rVB2	497216	685967	6.92%	0.554%
58	17.745	2573	2577	2581	rBV	237574	315885	3.18%	0.255%
59	17.939	2607	2610	2616	rBV4	86530	196866	1.98%	0.159%
60	18.004	2616	2621	2624	rVV	623143	874609	8.82%	0.706%
61	18.062	2624	2631	2633	rVV2	1251509	2382672	24.02%	1.924%
62	18.086	2633	2635	2640	rVV	1122334	1446454	14.58%	1.168%
63	18.162	2644	2648	2651	rVV5	235224	374942	3.78%	0.303%
64	18.227	2655	2659	2663	rVV	592083	932624	9.40%	0.753%
65	18.268	2663	2666	2673	rVB	410147	599209	6.04%	0.484%
66	18.351	2676	2680	2684	rVV2	575875	747160	7.53%	0.603%
67	18.392	2684	2687	2690	rVV5	156239	236652	2.39%	0.191%
68	18.433	2690	2694	2699	rVB3	196590	323553	3.26%	0.261%
69	18.539	2708	2712	2716	rBV	552081	789559	7.96%	0.638%
70	18.586	2716	2720	2730	rVB2	429803	742334	7.48%	0.600%
71	18.757	2746	2749	2751	rBV3	119404	144965	1.46%	0.117%

LSC Area Percent Report

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Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

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-BM082316.M
Title : SVOA CALIBRATION

72	18.786	2751	2754	2760	rVV3	279419	486097	4.90%	0.393%
73	18.839	2760	2763	2766	rVV	302807	398435	4.02%	0.322%
74	18.874	2766	2769	2773	rVB	252228	343494	3.46%	0.277%
75	18.962	2779	2784	2785	rBV	595023	811368	8.18%	0.655%
76	19.051	2796	2799	2803	rVB	327692	380332	3.83%	0.307%
77	19.098	2803	2807	2815	rBV2	411580	710592	7.16%	0.574%
78	19.221	2824	2828	2835	rVB	2173287	3006293	30.31%	2.428%
79	19.286	2835	2839	2842	rBV	316195	404238	4.08%	0.326%
80	19.327	2843	2846	2852	rVB3	172955	289653	2.92%	0.234%
81	19.556	2880	2885	2889	rBV2	4497288	6768308	68.23%	5.467%
82	19.662	2899	2903	2909	rVB2	468774	731810	7.38%	0.591%
83	19.904	2940	2944	2955	rBV5	399817	1119013	11.28%	0.904%
84	20.039	2963	2967	2971	rBV5	329676	658166	6.63%	0.532%
85	20.092	2974	2976	2982	rVB	475941	595266	6.00%	0.481%
86	20.380	3022	3025	3028	rBV2	252219	364319	3.67%	0.294%
87	20.592	3057	3061	3065	rBV	545639	684011	6.90%	0.552%
88	20.827	3097	3101	3107	rBV	962649	1295753	13.06%	1.047%
89	20.992	3126	3129	3133	rVB3	491130	673834	6.79%	0.544%
90	21.056	3137	3140	3147	rVV3	1006205	1648927	16.62%	1.332%
91	21.127	3149	3152	3158	rVB	539823	707373	7.13%	0.571%
92	21.350	3183	3190	3194	rBV	6033512	9919950	100.00%	8.012%
93	21.386	3194	3196	3202	rVB	1538586	1857311	18.72%	1.500%
94	21.492	3211	3214	3216	rVB	272435	255171	2.57%	0.206%
95	22.392	3364	3367	3371	rBV2	384172	486598	4.91%	0.393%
96	22.933	3456	3459	3473	rVB	1517576	3762658	37.93%	3.039%
97	23.421	3538	3542	3546	rBV	593846	1019165	10.27%	0.823%
98	23.474	3546	3551	3556	rVV2	2706647	4549789	45.87%	3.675%
99	23.621	3569	3576	3582	rBV	3194804	6073048	61.22%	4.905%
100	24.127	3658	3662	3674	rVB2	614157	1295228	13.06%	1.046%

Sum of corrected areas: 123810931

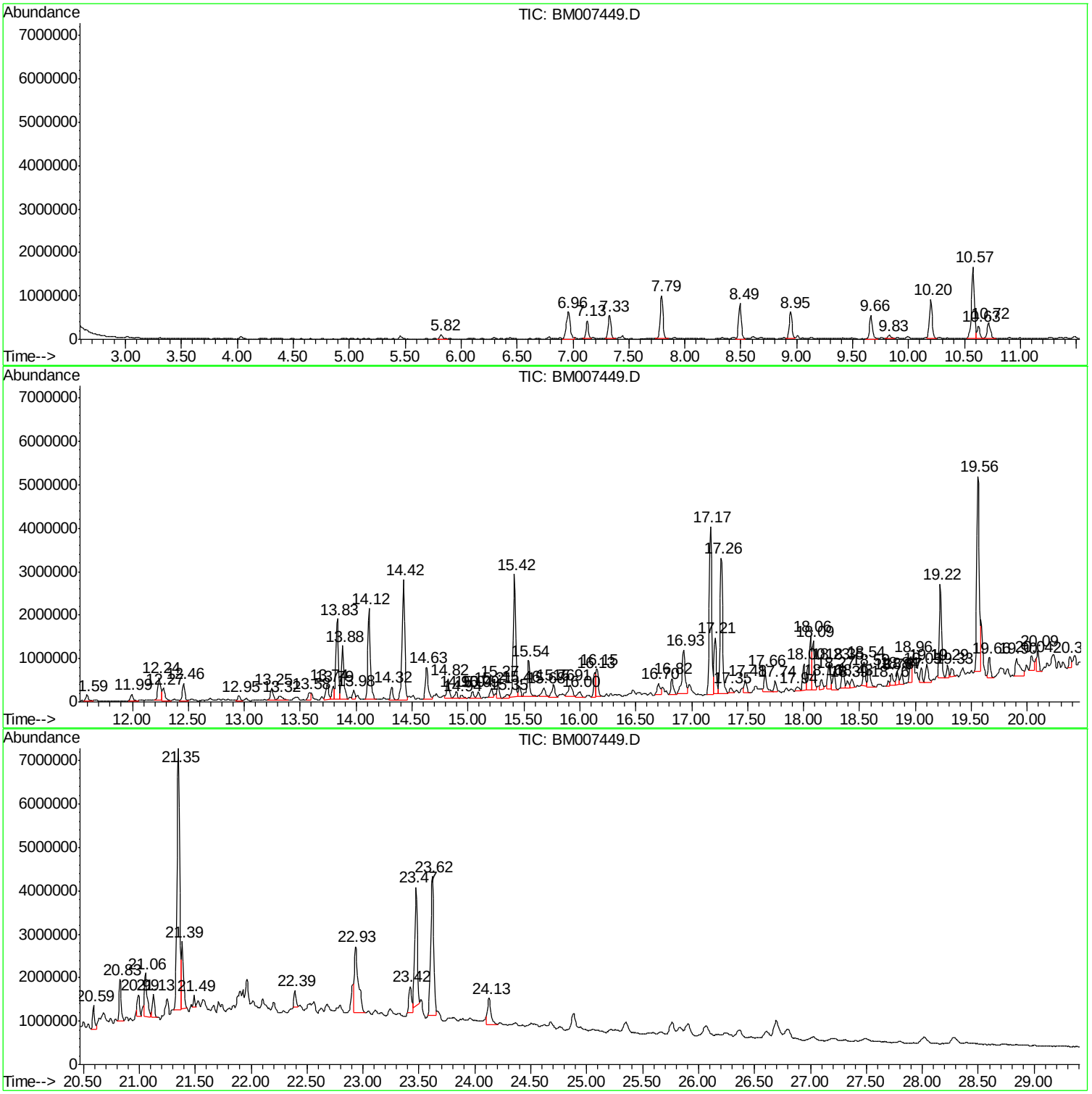
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

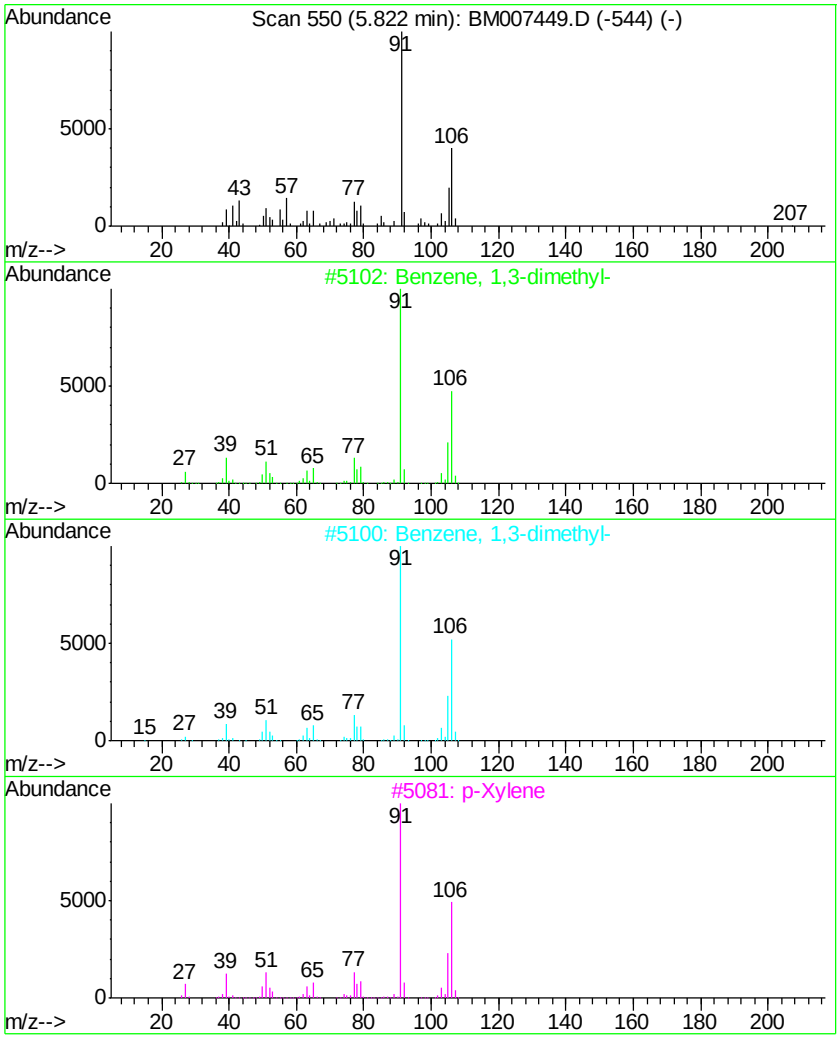
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

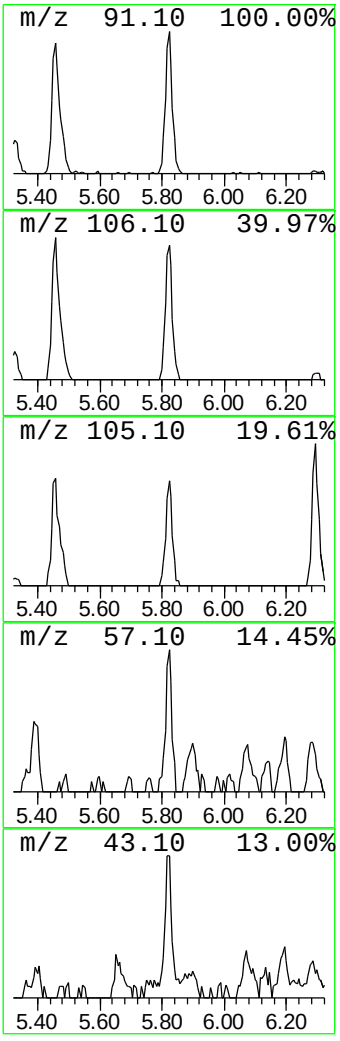
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	2.07 ng/ul	177043	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	p-Xylene	106	C8H10	000106-42-3	95
4	o-Xylene	106	C8H10	000095-47-6	95
5	o-Xylene	106	C8H10	000095-47-6	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

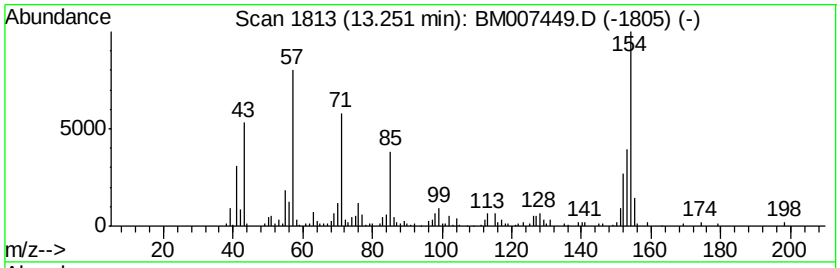
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

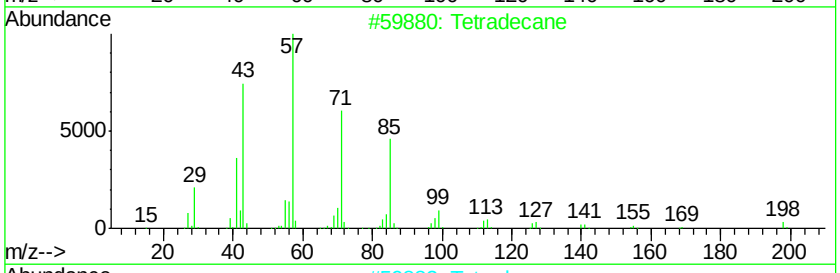
****

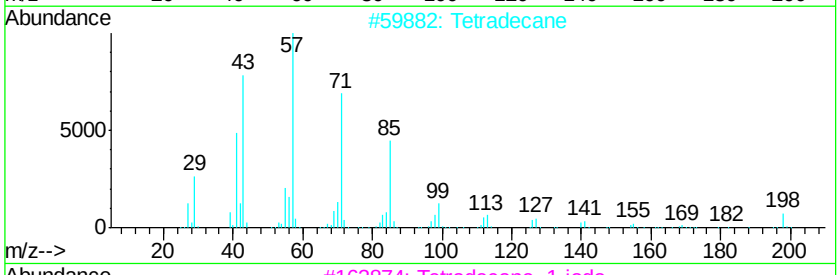
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 23

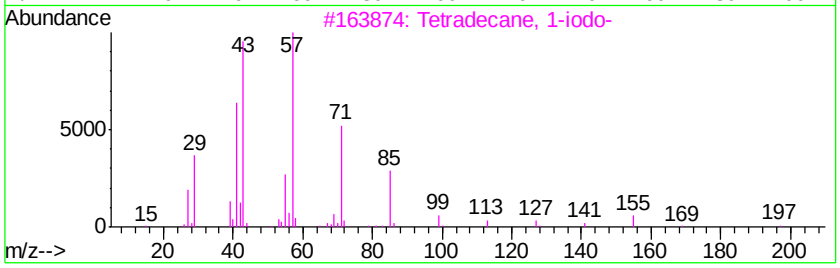
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.11 ng/ul	493433	Acenaphthene-d10	14.42

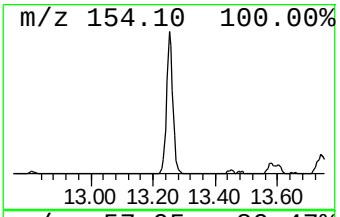
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Tetradecane	198	C14H30	000629-59-4	49
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	46
4	Hexadecane	226	C16H34	000544-76-3	46
5	Dodecane	170	C12H26	000112-40-3	46

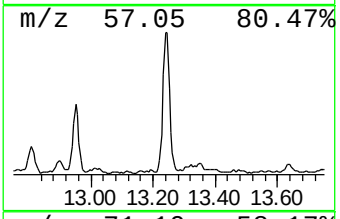


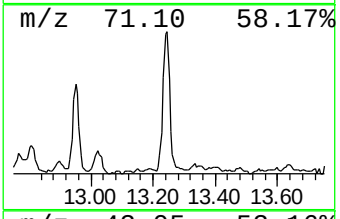


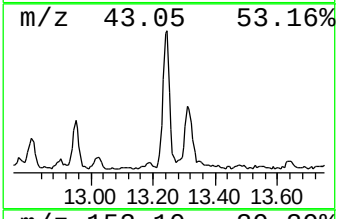


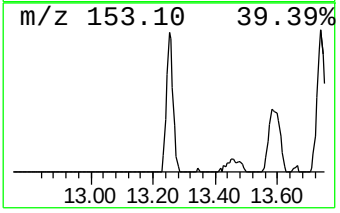












Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
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Misc :
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Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

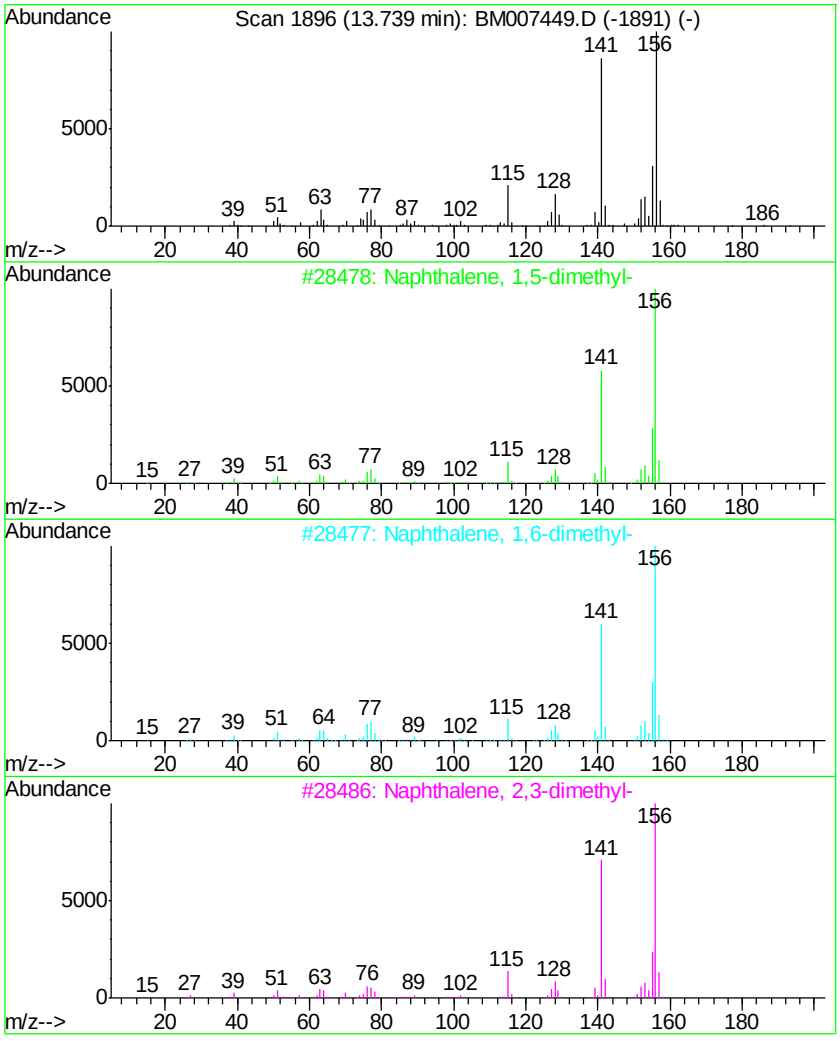
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

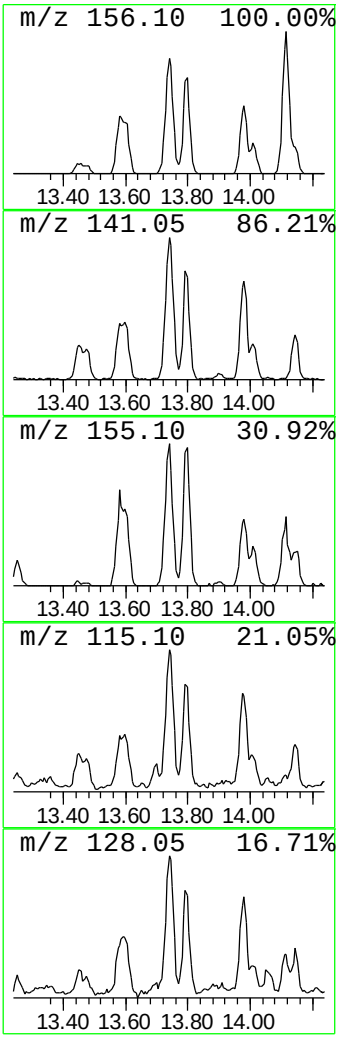
****

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.80 ng/ul	653223	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

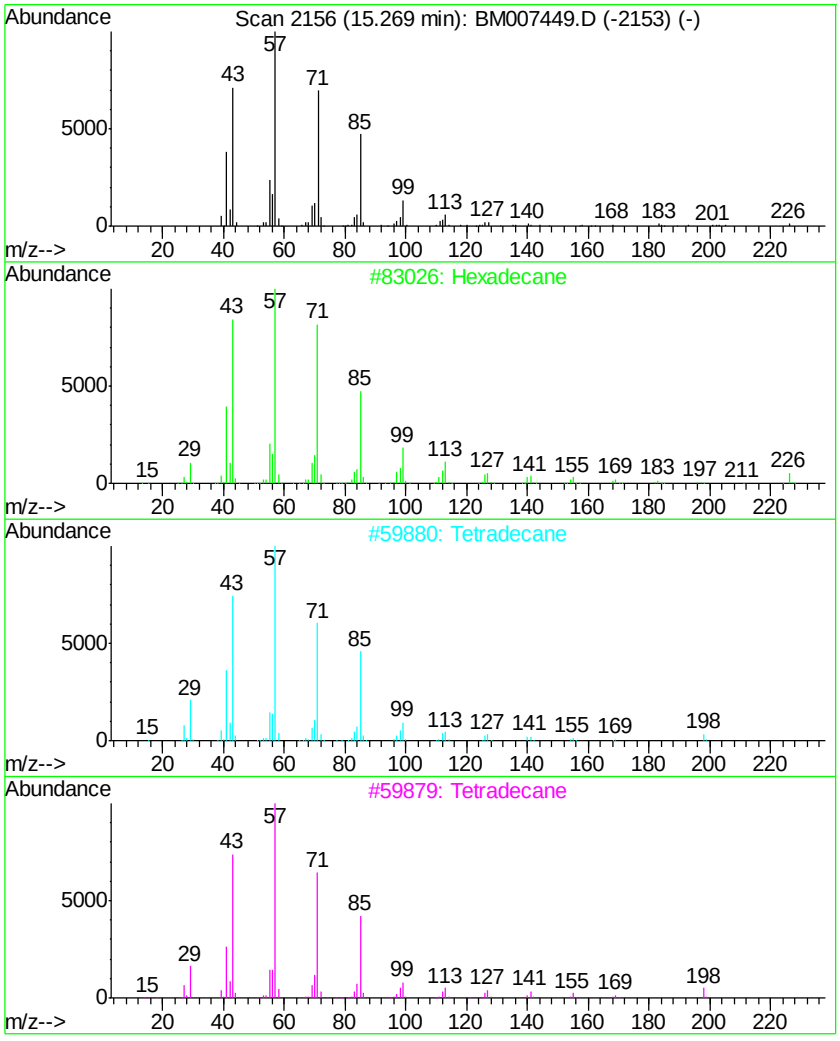
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

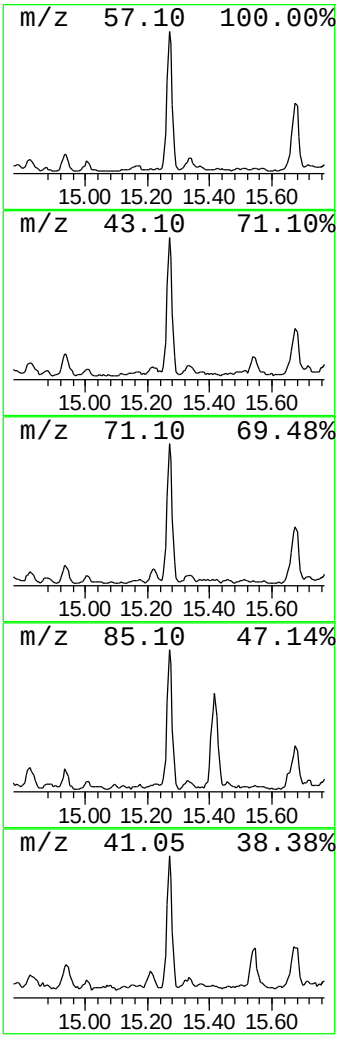
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.10 ng/ul	489300	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Tetradecane	198	C14H30	000629-59-4	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	90
5	Pentadecane	212	C15H32	000629-62-9	90





Library Search Compound Report

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Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
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Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

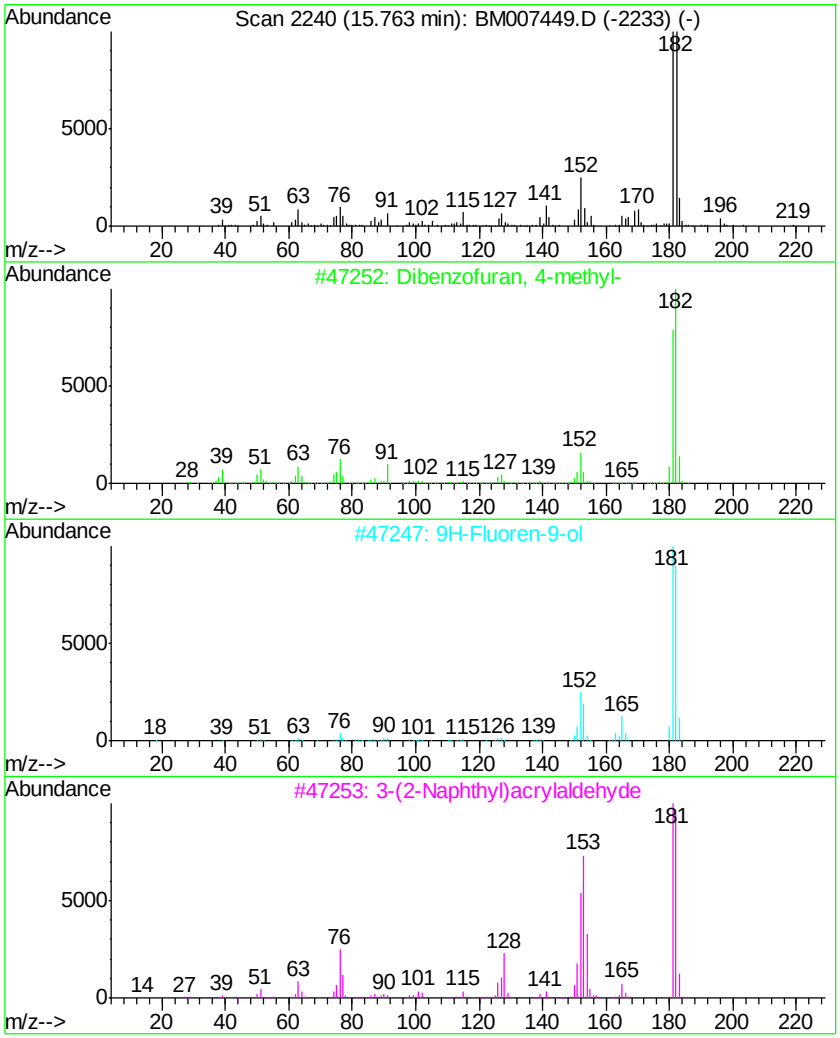
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

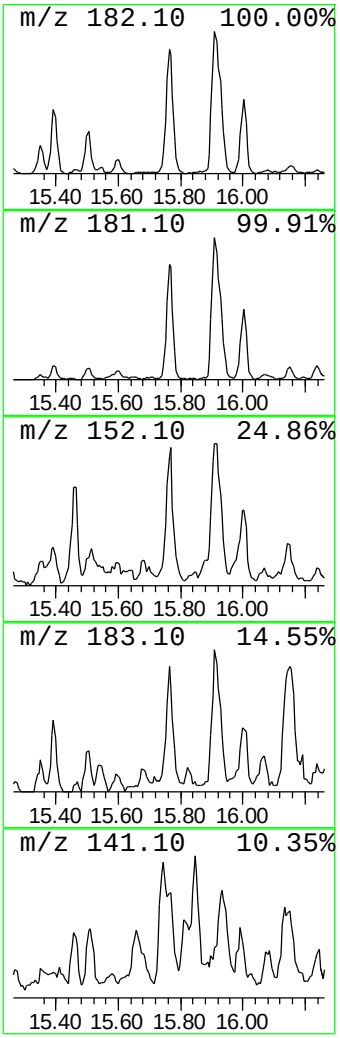
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.34 ng/ul	546346	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	76
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

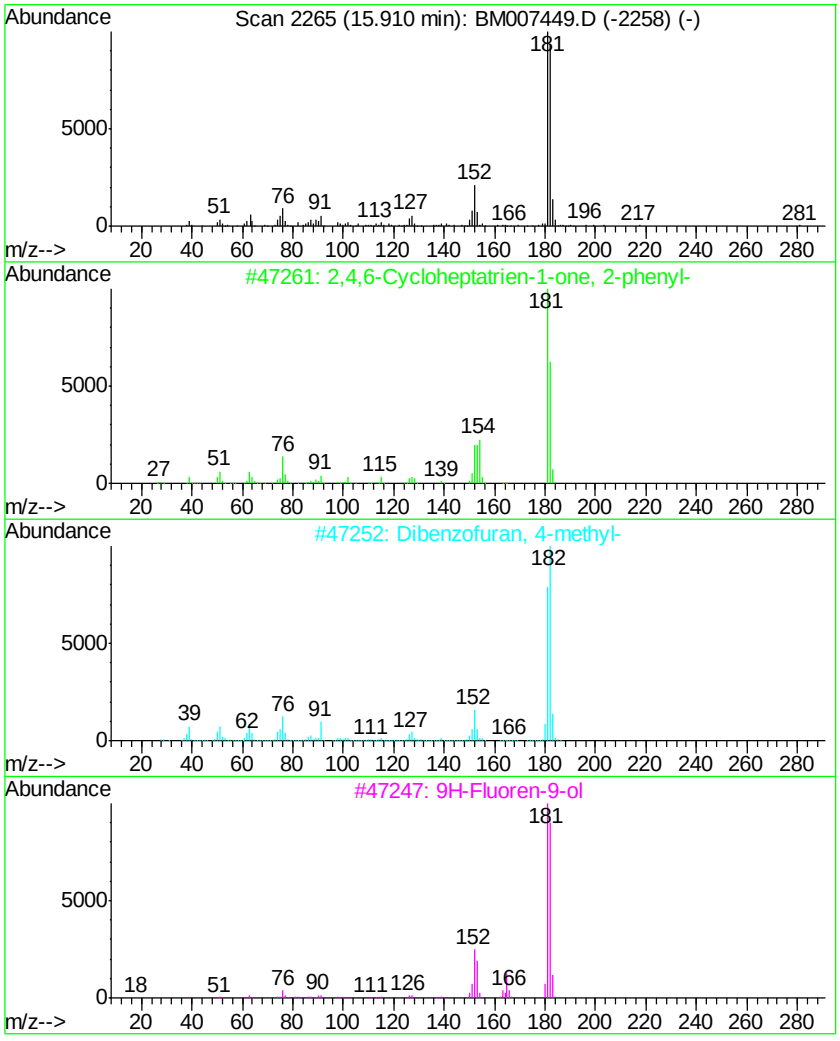
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

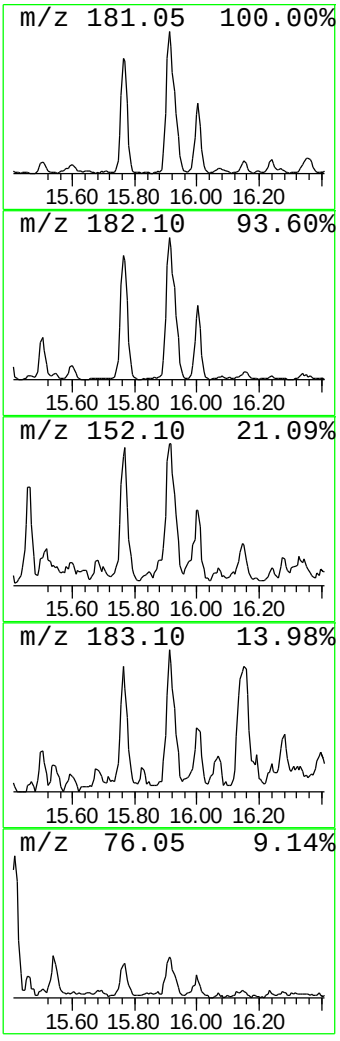
****

Peak Number 7 2,4,6-Cycloheptatrien-1-one... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.29 ng/ul	652214	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Quant Title : SVOA CALIBRATION

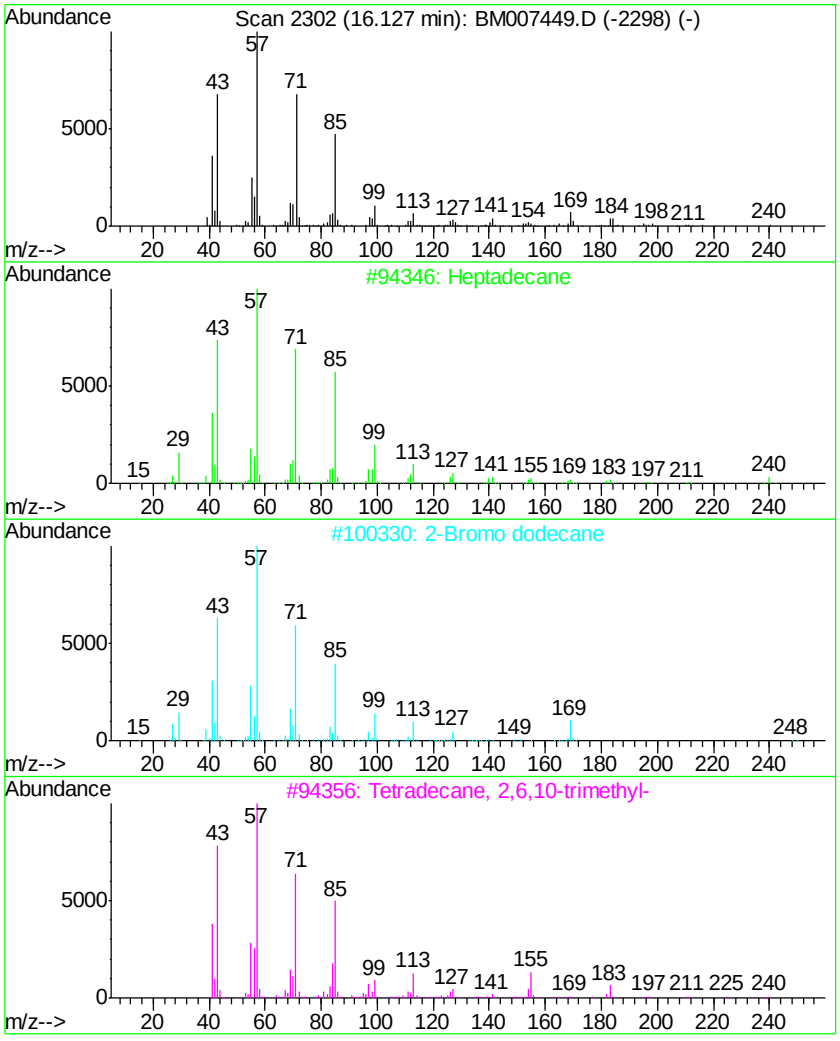
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

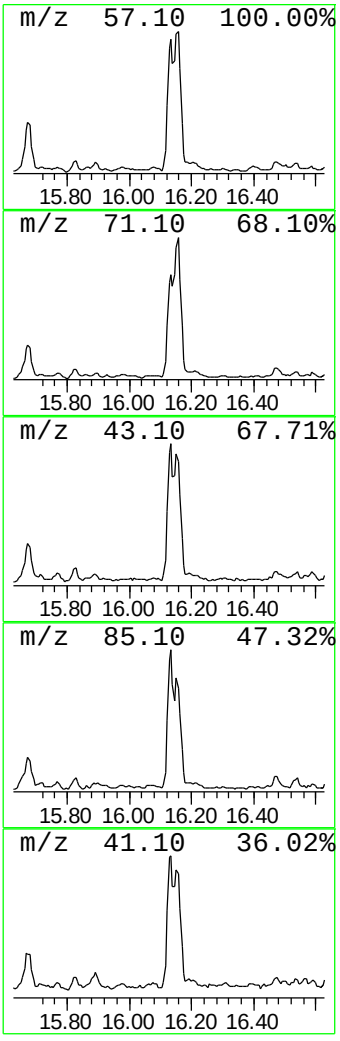
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.47 ng/ul	706063	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	87
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83
4	Tetradecane	198	C14H30	000629-59-4	81
5	Dodecane	170	C12H26	000112-40-3	81





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

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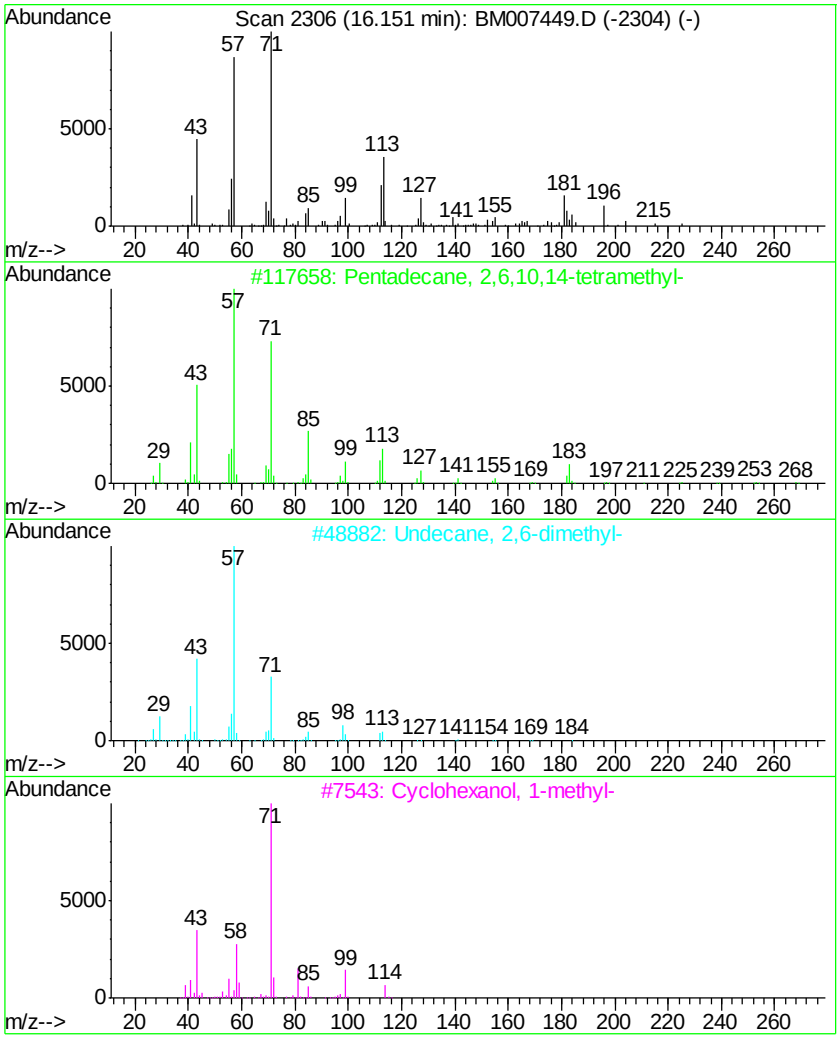
Quant Title : SVOA CALIBRATION

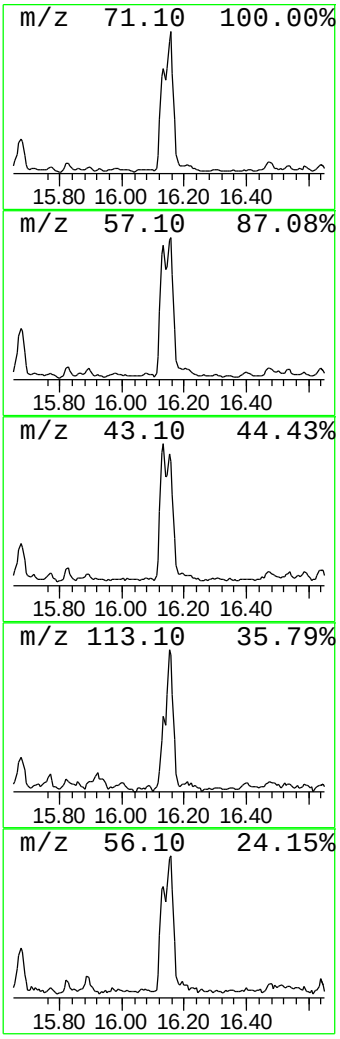
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	2.95 ng/ul	842038	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	52
3	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	43
4	Sulfurous acid, pentadecyl 2-pen...	362	C20H42O3S	1000309-16-4	43
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	43





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Misc :
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Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

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

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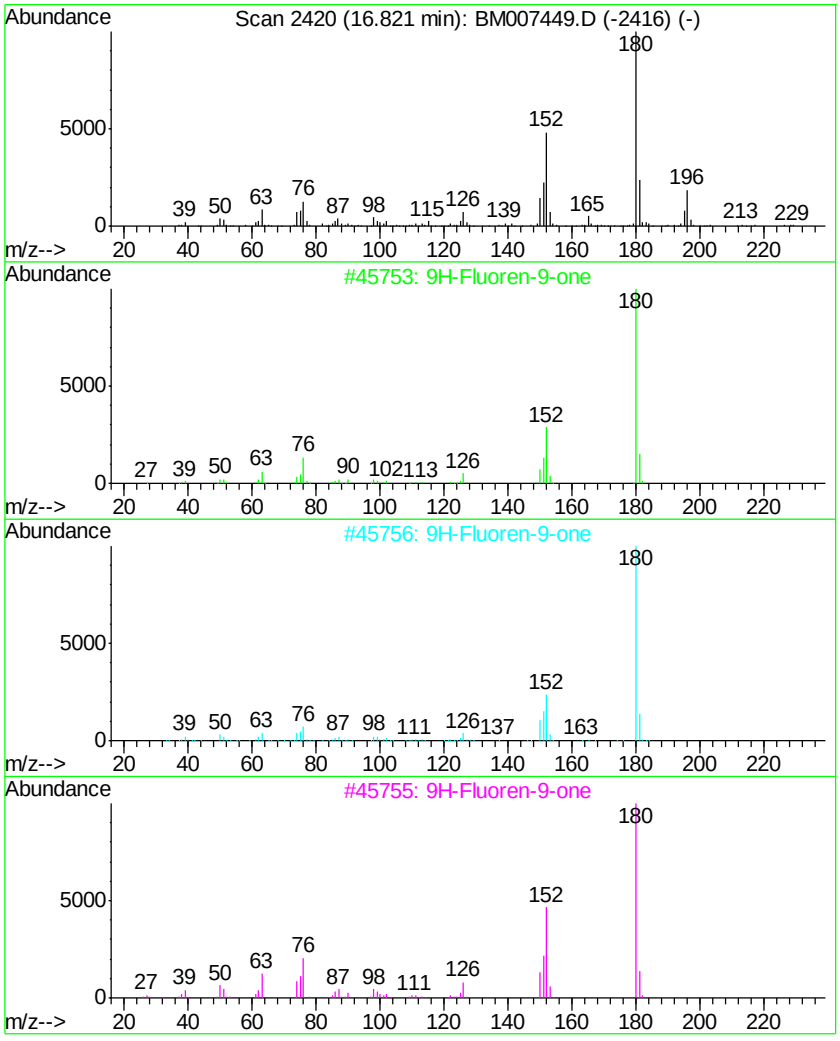
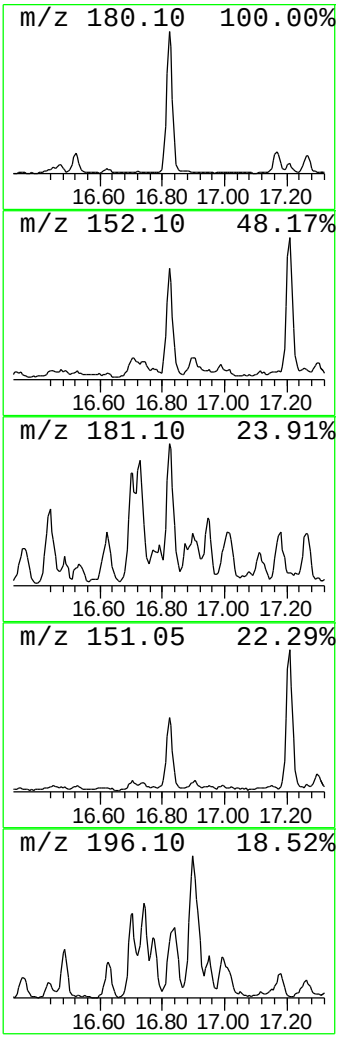
Peak Number 10 9H-Fluoren-9-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.04 ng/ul	580877	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83





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Quant Title : SVOA CALIBRATION

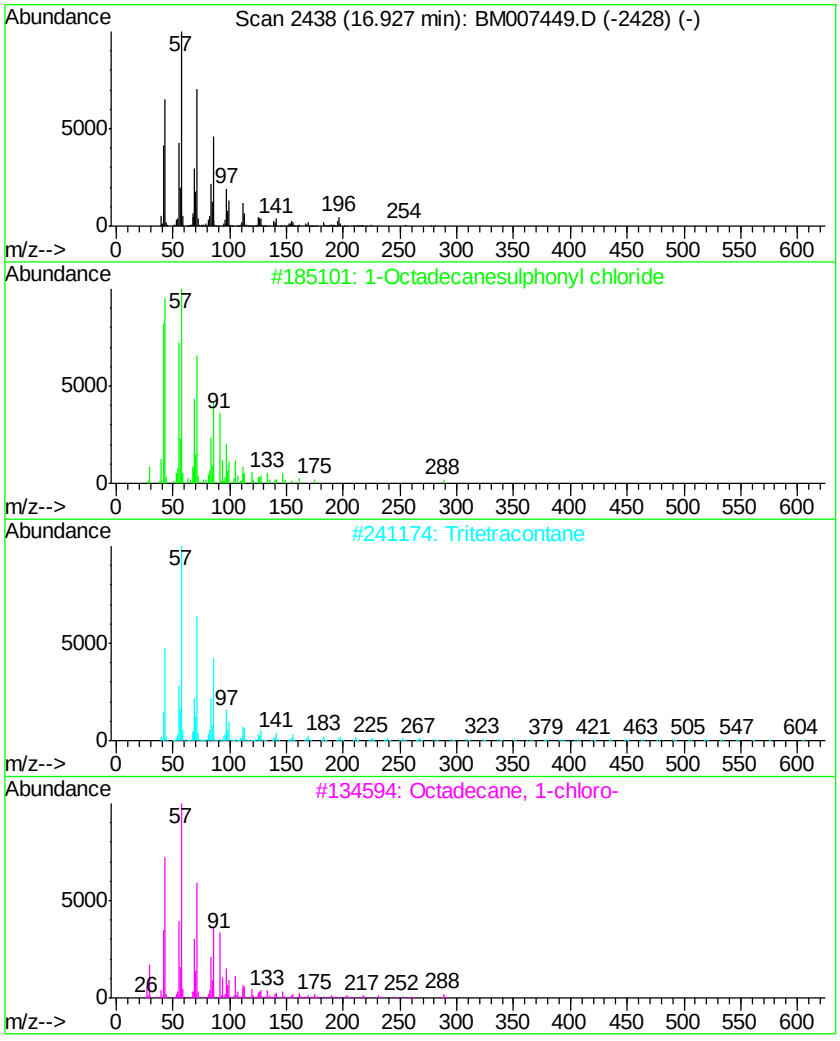
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

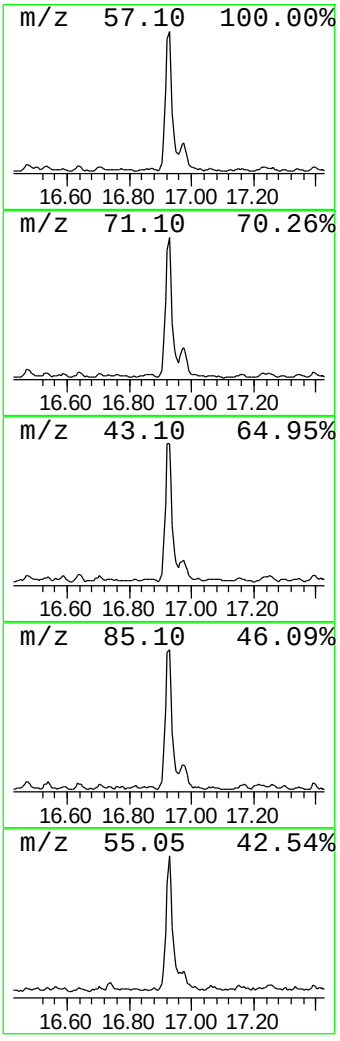
****

Peak Number 11 1-Octadecanesulphonyl chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	6.80 ng/ul	1939600	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
2	Tritetracontane	605	C43H88	007098-21-7	91
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	91
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	90
5	Tridecane	184	C13H28	000629-50-5	86





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Misc :
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Instrument : BNA_M
ClientSampleId : BD3A1

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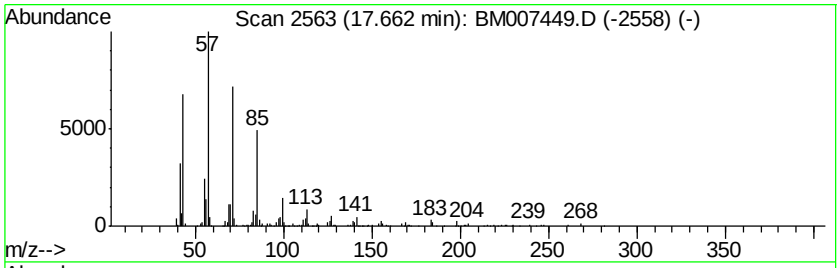
Quant Title : SVOA CALIBRATION

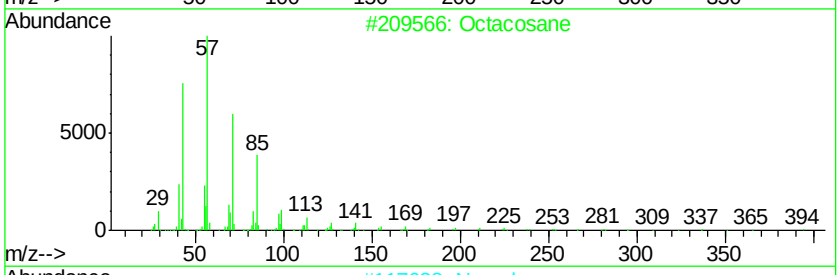
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

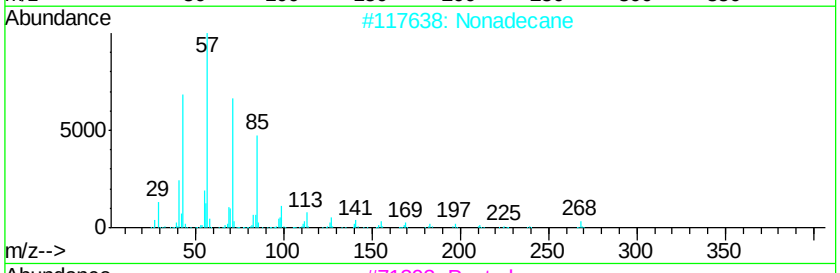
****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 19

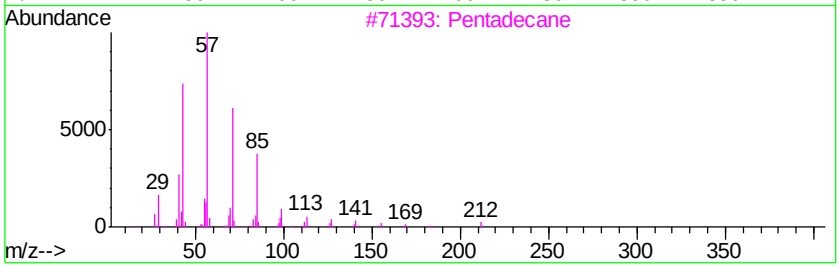
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.40 ng/ul	685967	Phenanthrene-d10	17.17

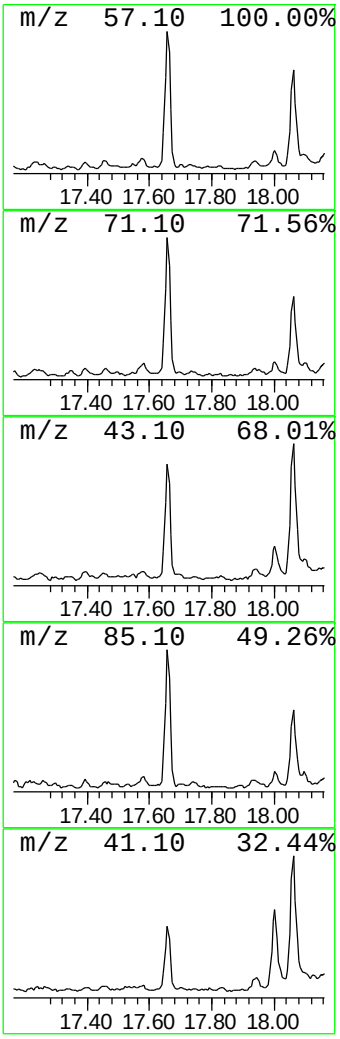
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Pentadecane	212	C15H32	000629-62-9	91
4	Nonadecane	268	C19H40	000629-92-5	90
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90











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Operator : UM/SJ
Sample : H4666-03
Misc :
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Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

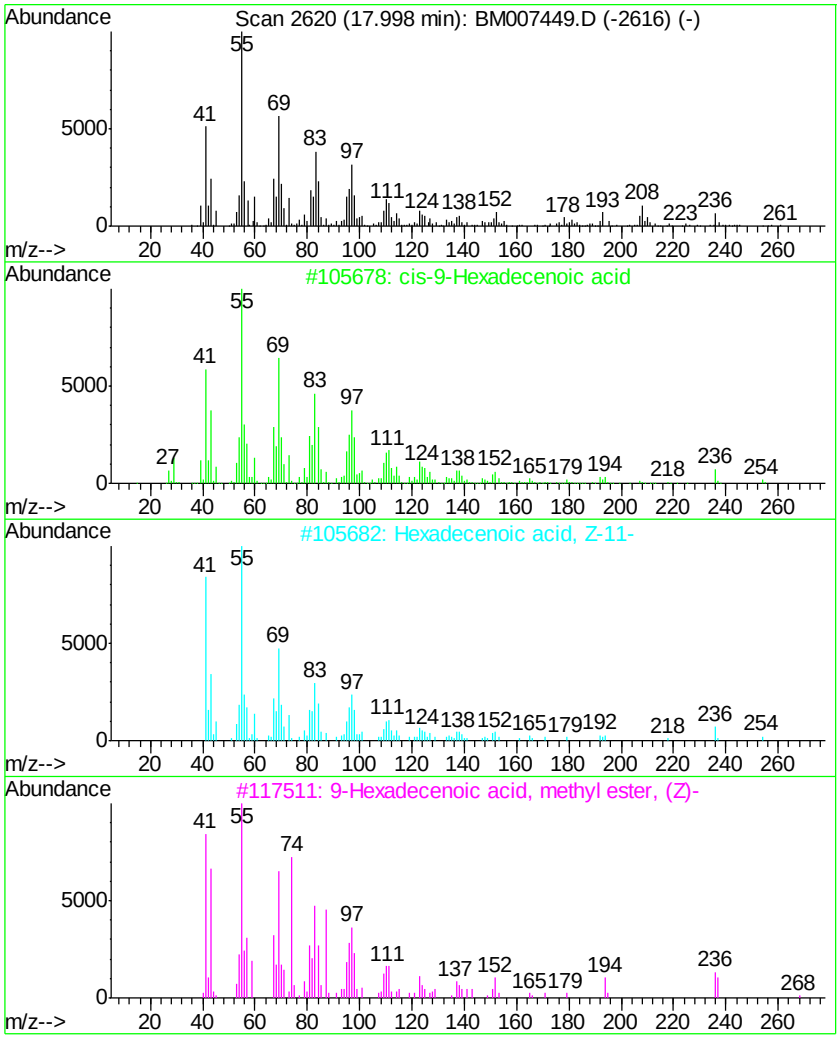
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

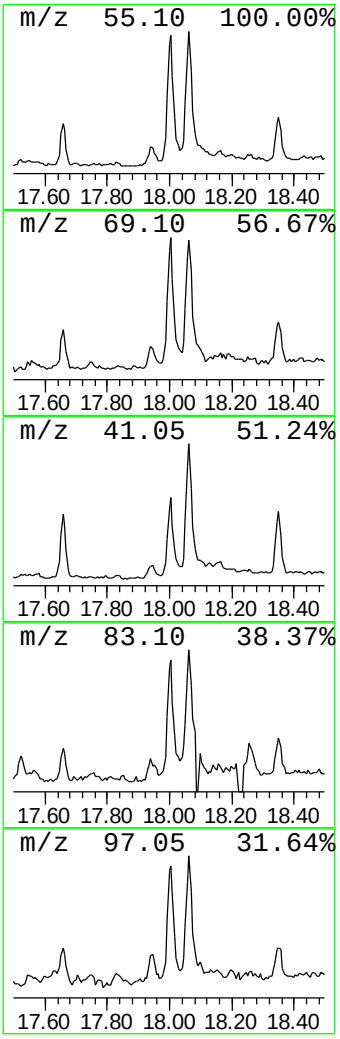
****

Peak Number 13 cis-9-Hexadecenoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	3.06 ng/ul	874609	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	99
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	90
3	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	87
4	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	87
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	74





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ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

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

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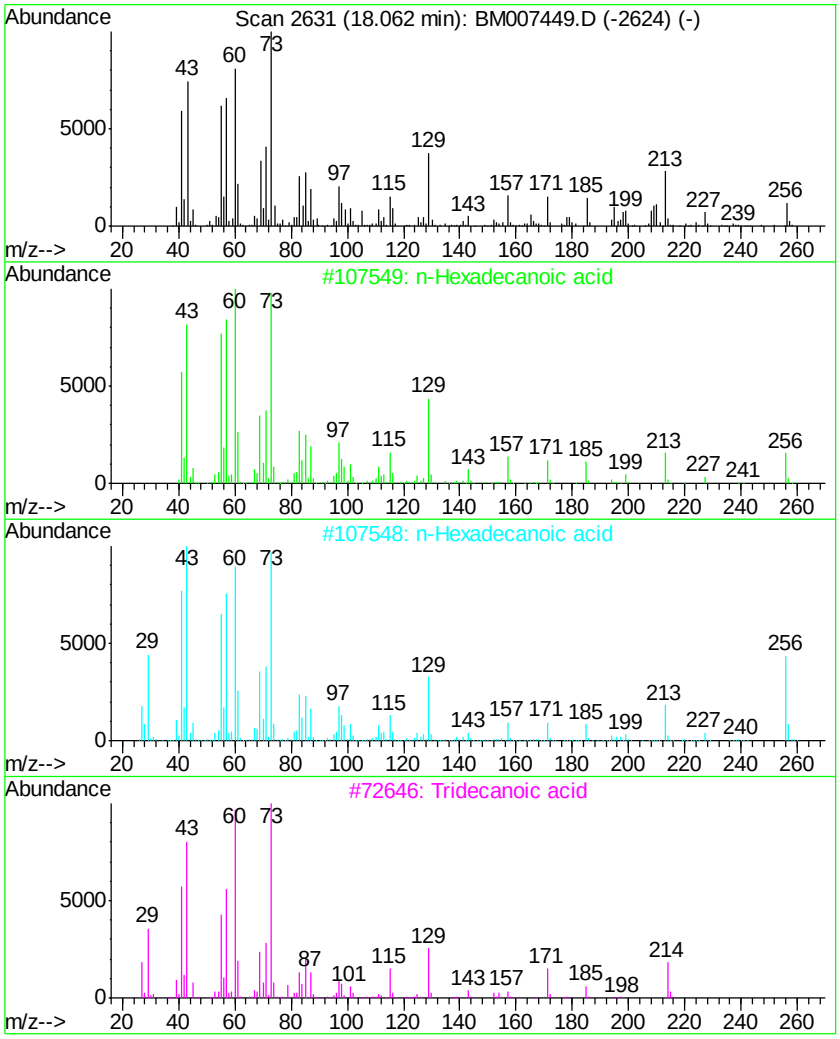
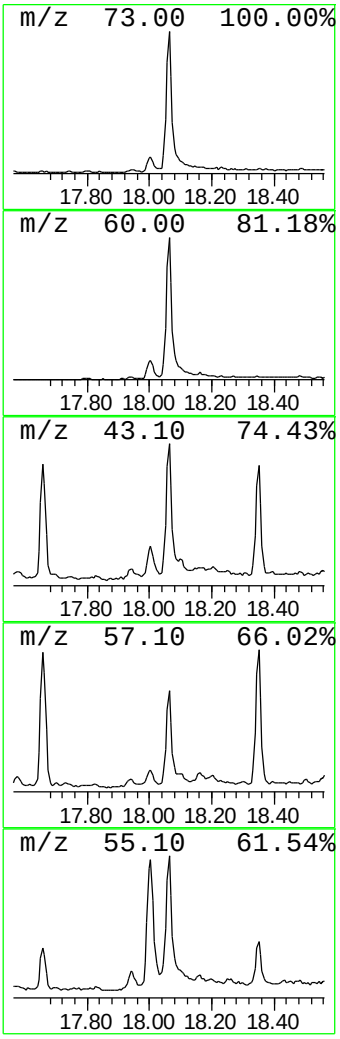
Peak Number 14 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	8.35 ng/ul	2382670	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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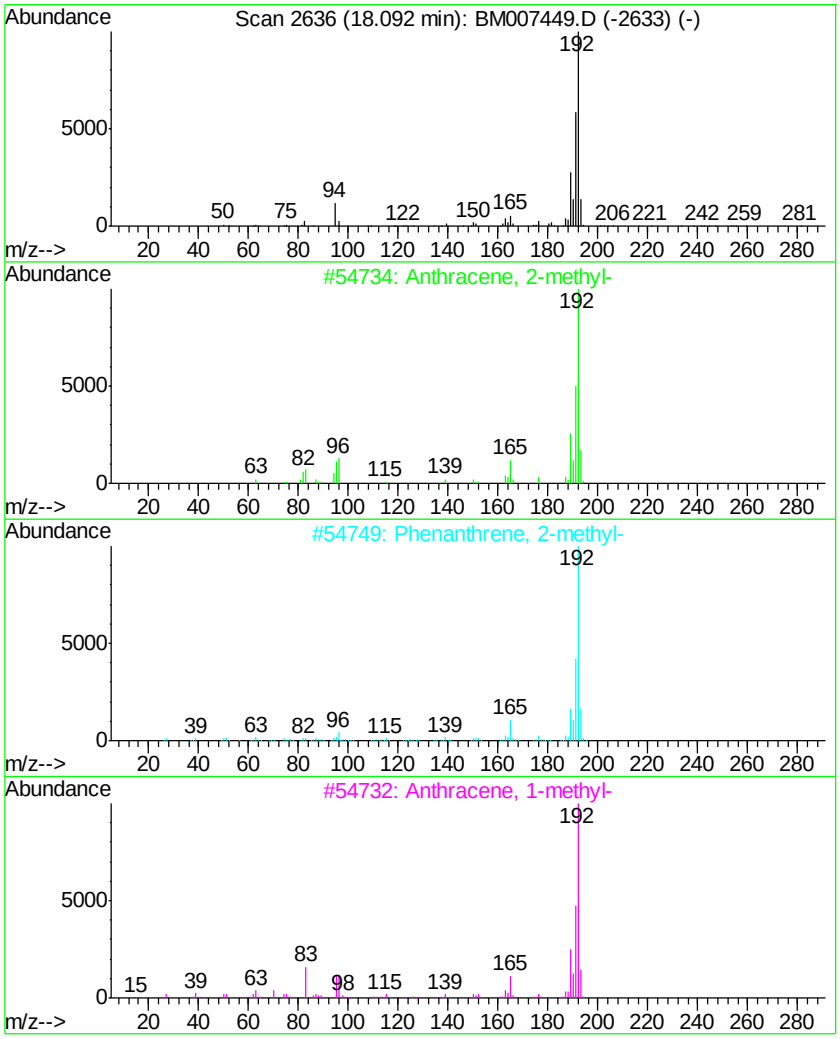
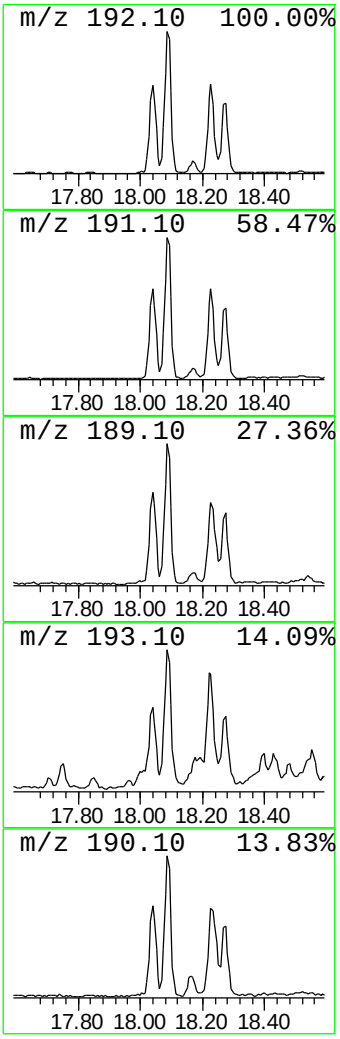
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.07 ng/ul	1446450	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Quant Title : SVOA CALIBRATION

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

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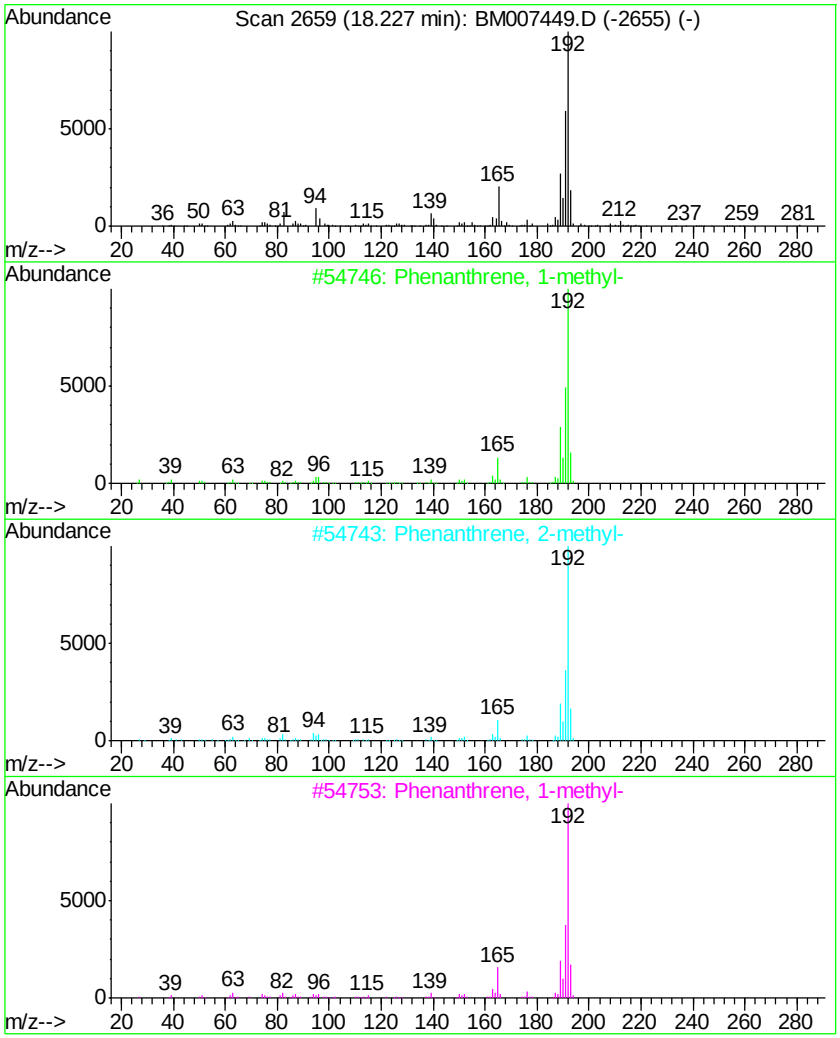
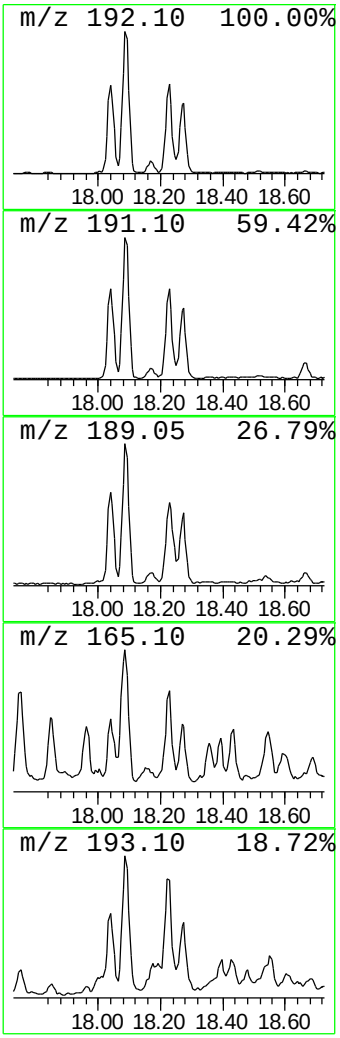
Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.27 ng/ul	932624	Phenanthrene-d10	17.17

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

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Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

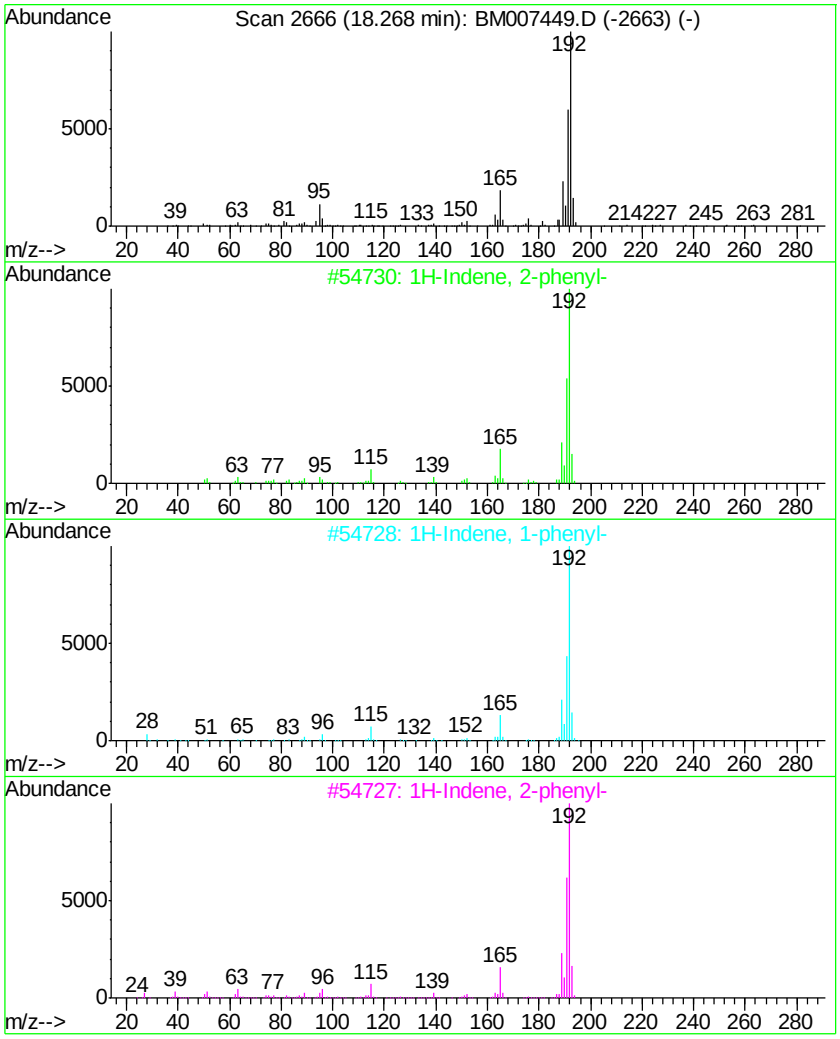
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

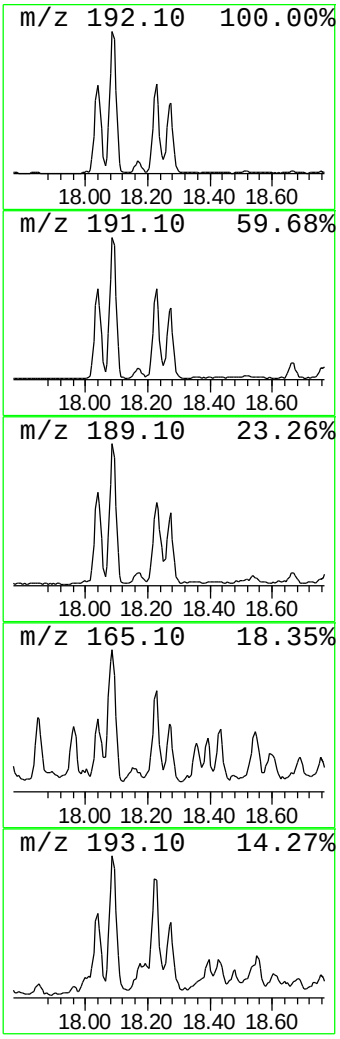
****

Peak Number 17 1H-Indene, 2-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	2.10 ng/ul	599209	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

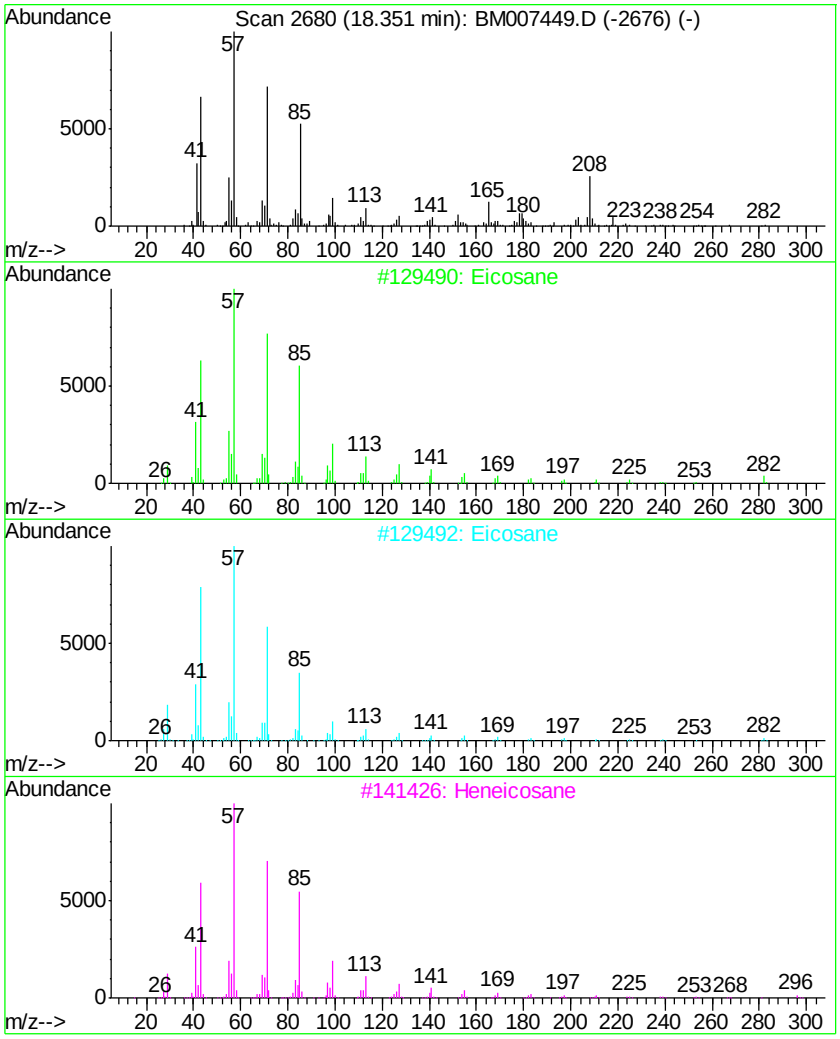
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

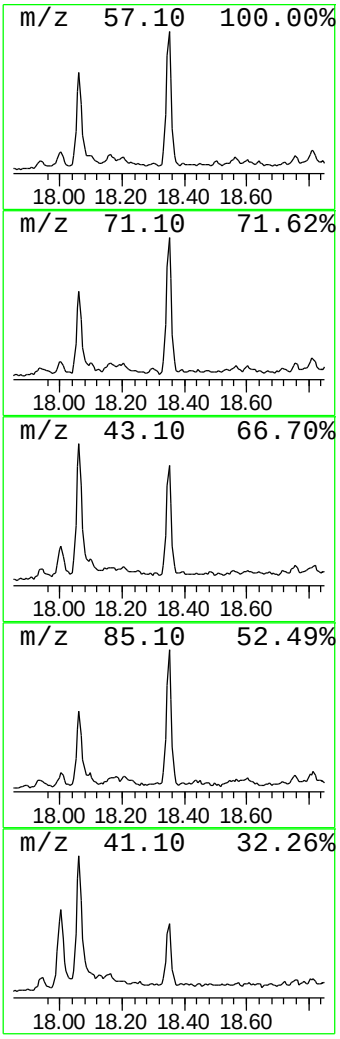
****

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.62 ng/ul	747160	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Eicosane	282	C20H42	000112-95-8	86
3	Heneicosane	296	C21H44	000629-94-7	70
4	Tetracosane	338	C24H50	000646-31-1	62
5	Octadecane	254	C18H38	000593-45-3	62





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Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

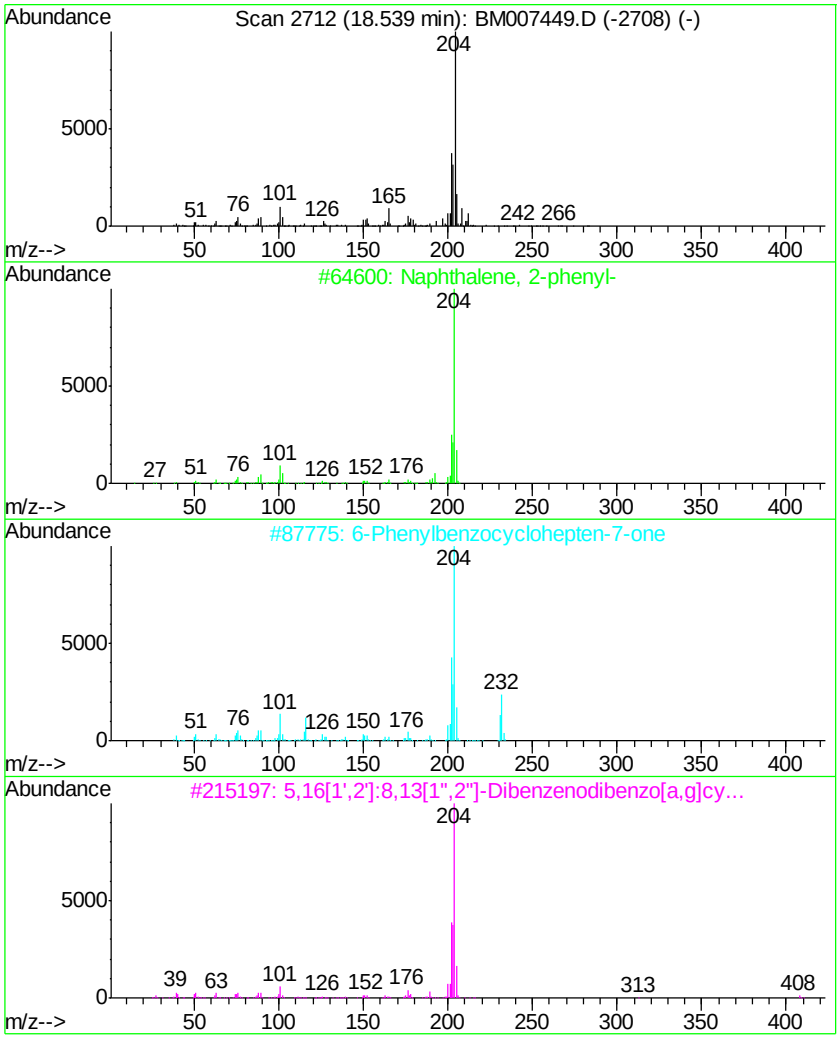
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

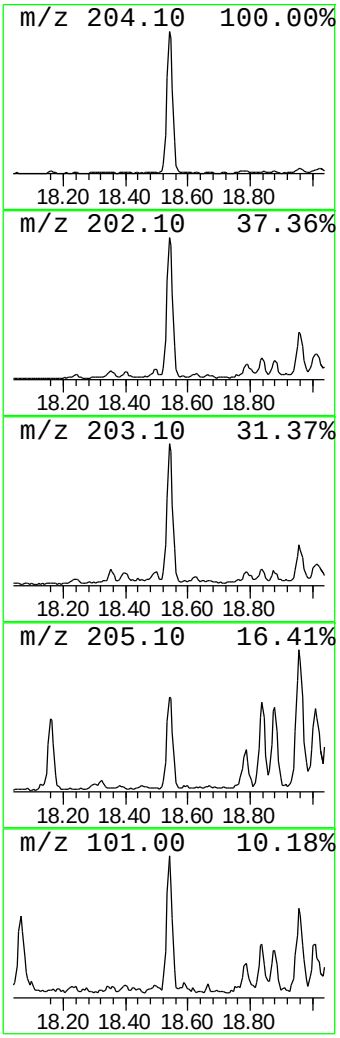
****

Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.77 ng/ul	789559	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





Library Search Compound Report

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Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
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Sample : H4666-03
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

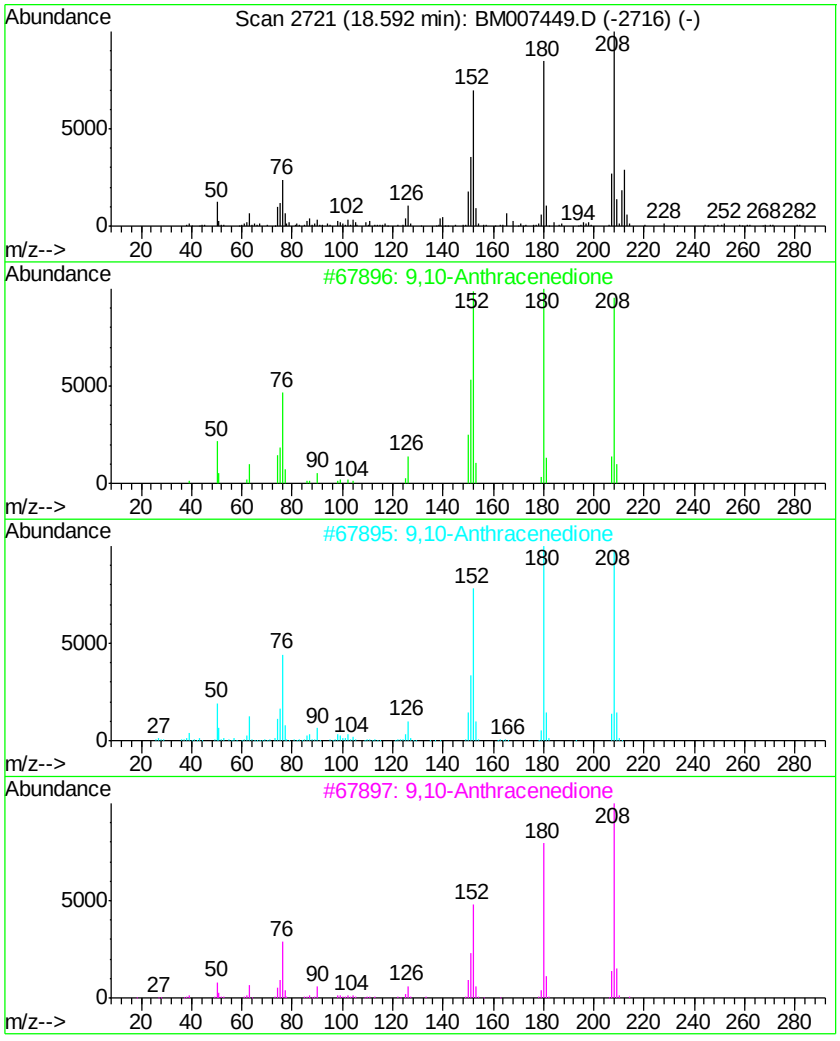
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

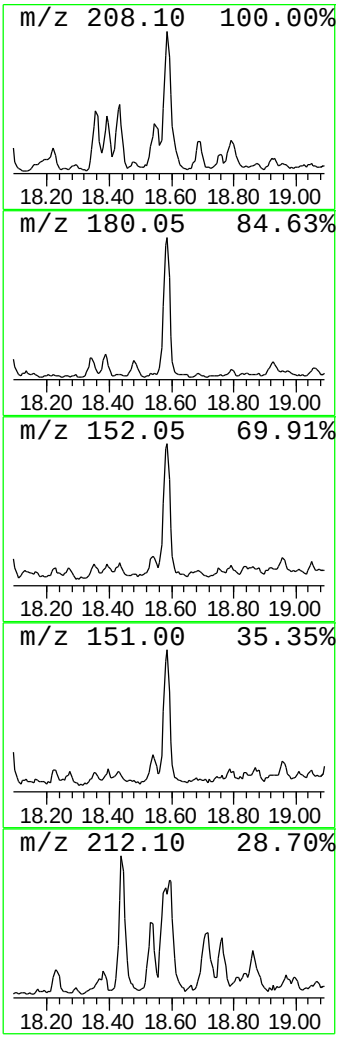
****

Peak Number 20 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.60 ng/ul	742334	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

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Quant Title : SVOA CALIBRATION

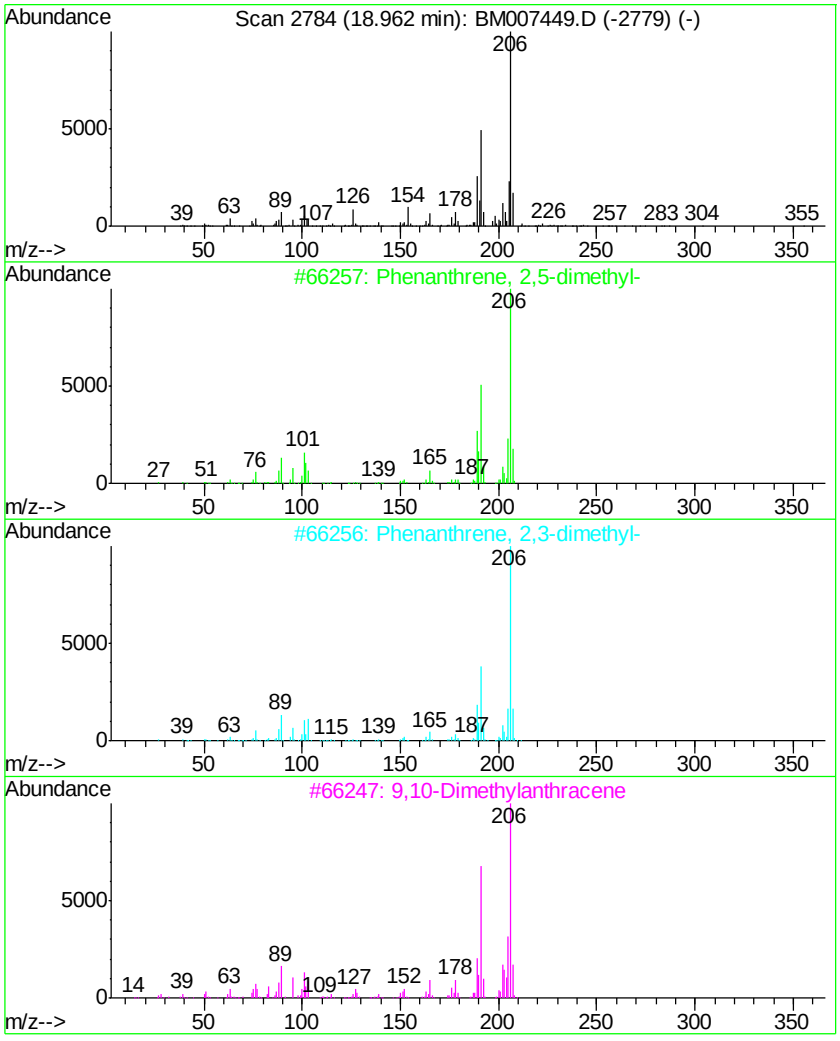
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

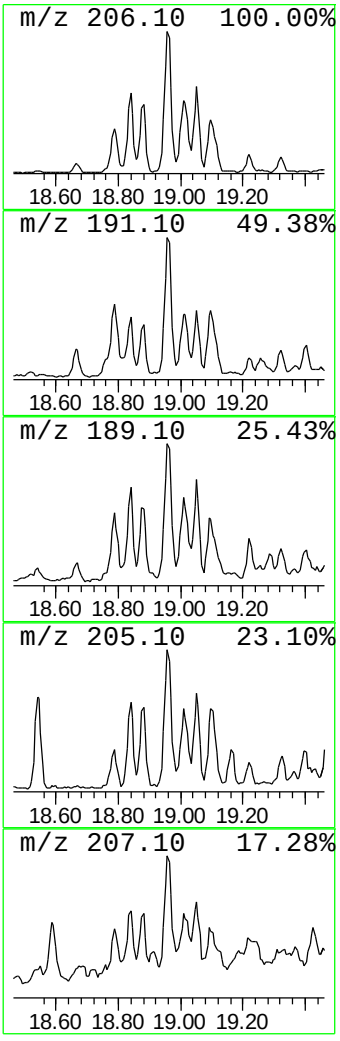
****

Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.84 ng/ul	811368	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





Library Search Compound Report

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Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

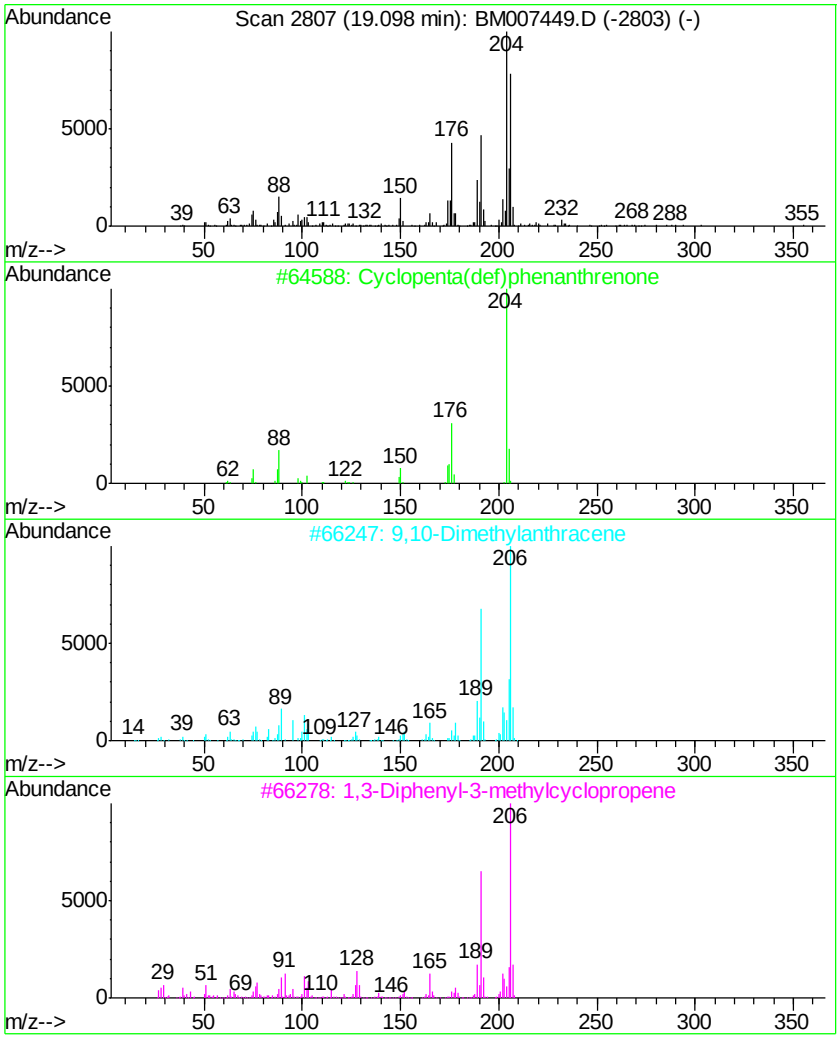
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

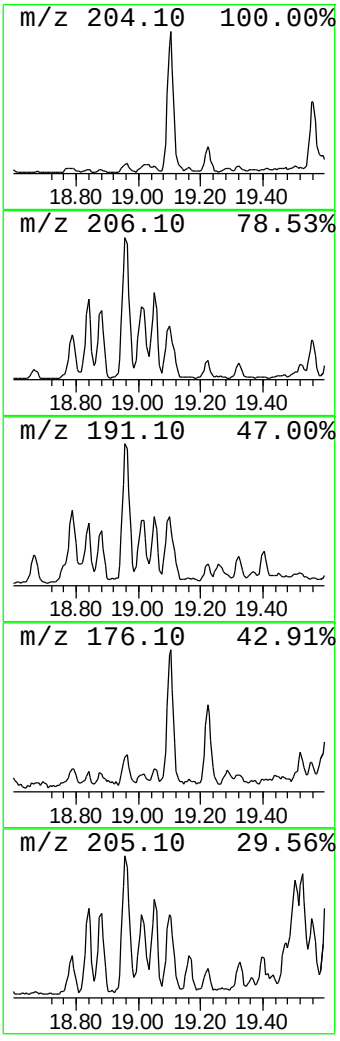
****

Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.49 ng/ul	710592	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	45
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	45
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	43





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Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

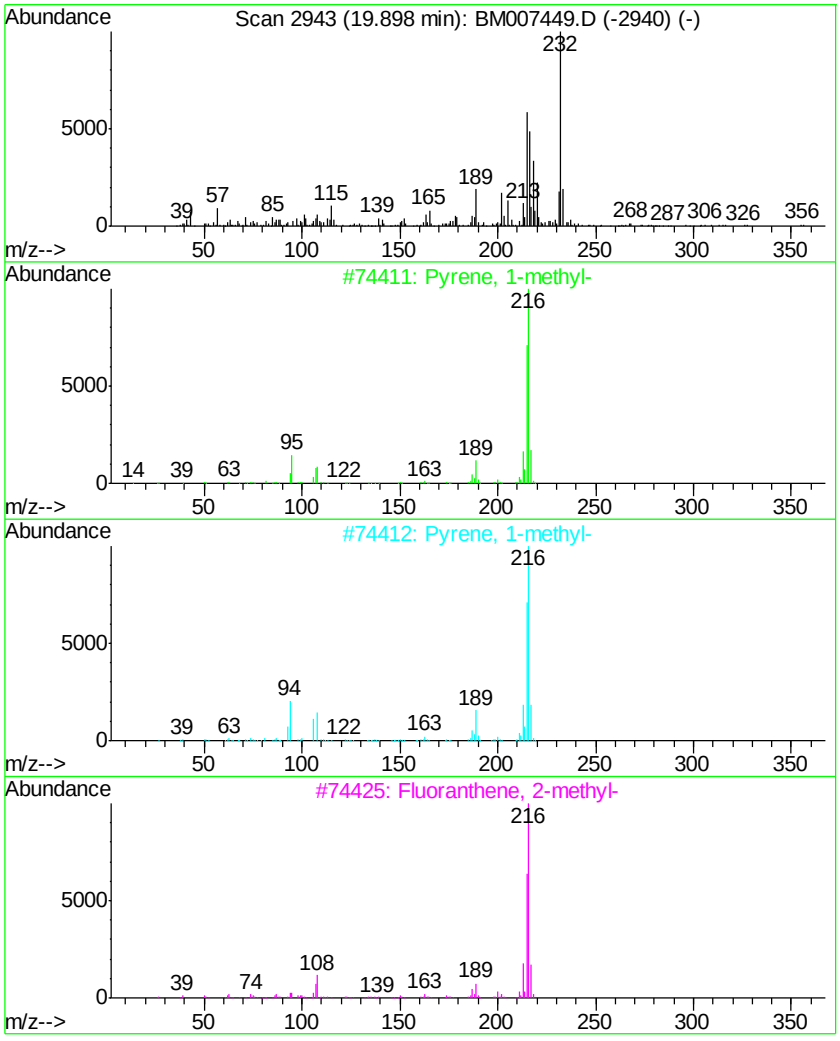
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

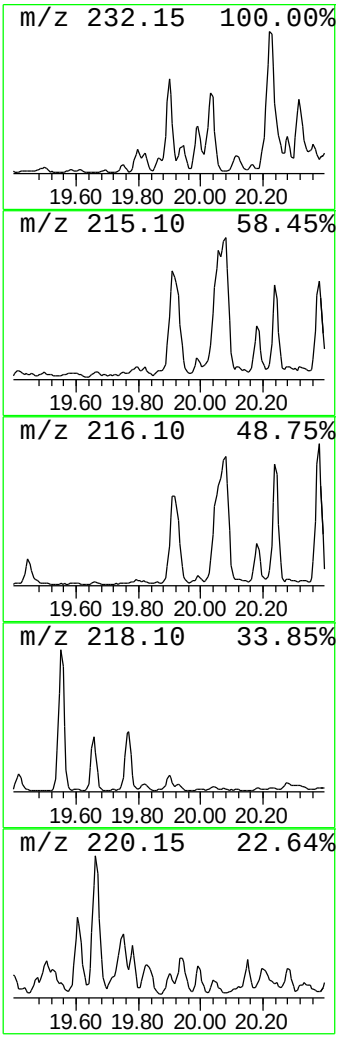
****

Peak Number 23 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.26 ng/ul	1119010	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	43





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Quant Title : SVOA CALIBRATION

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

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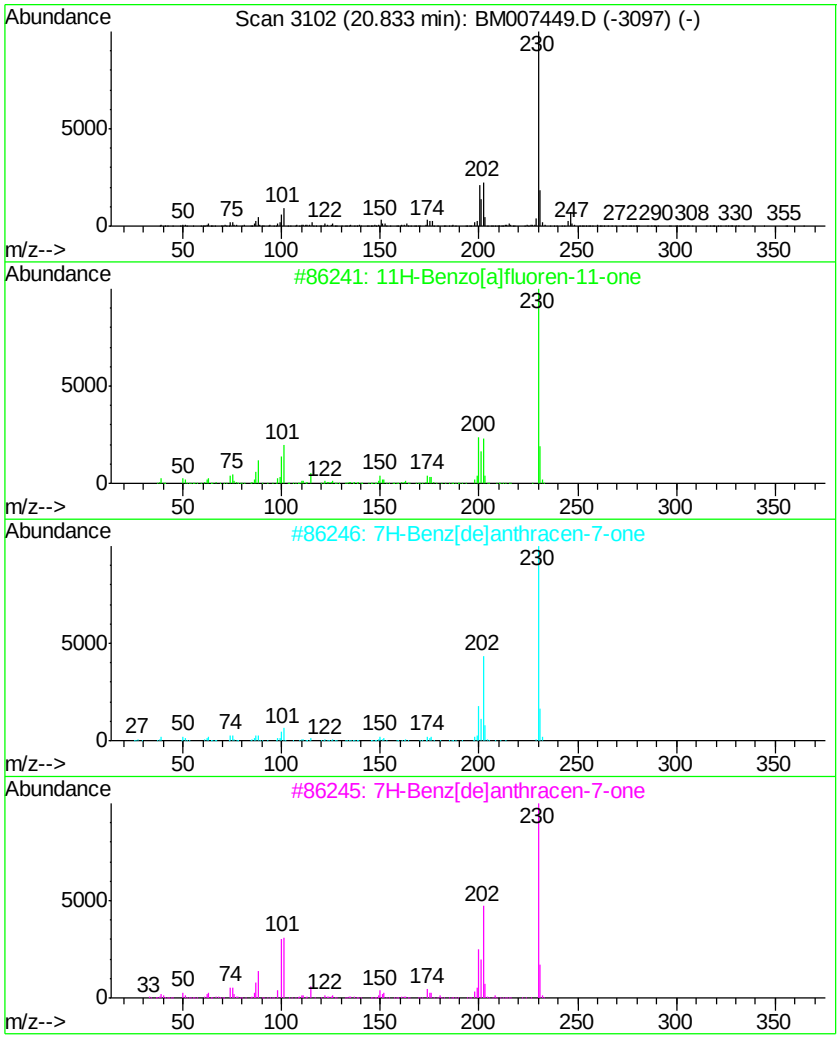
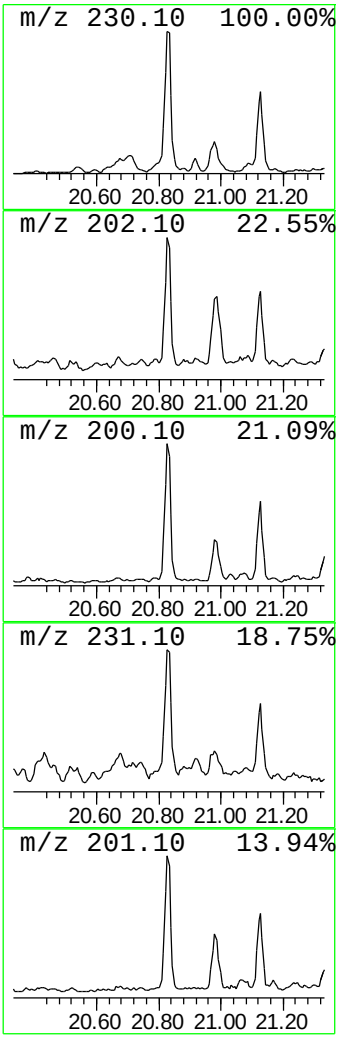
Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.61 ng/ul	1295750	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	80





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Misc :
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ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

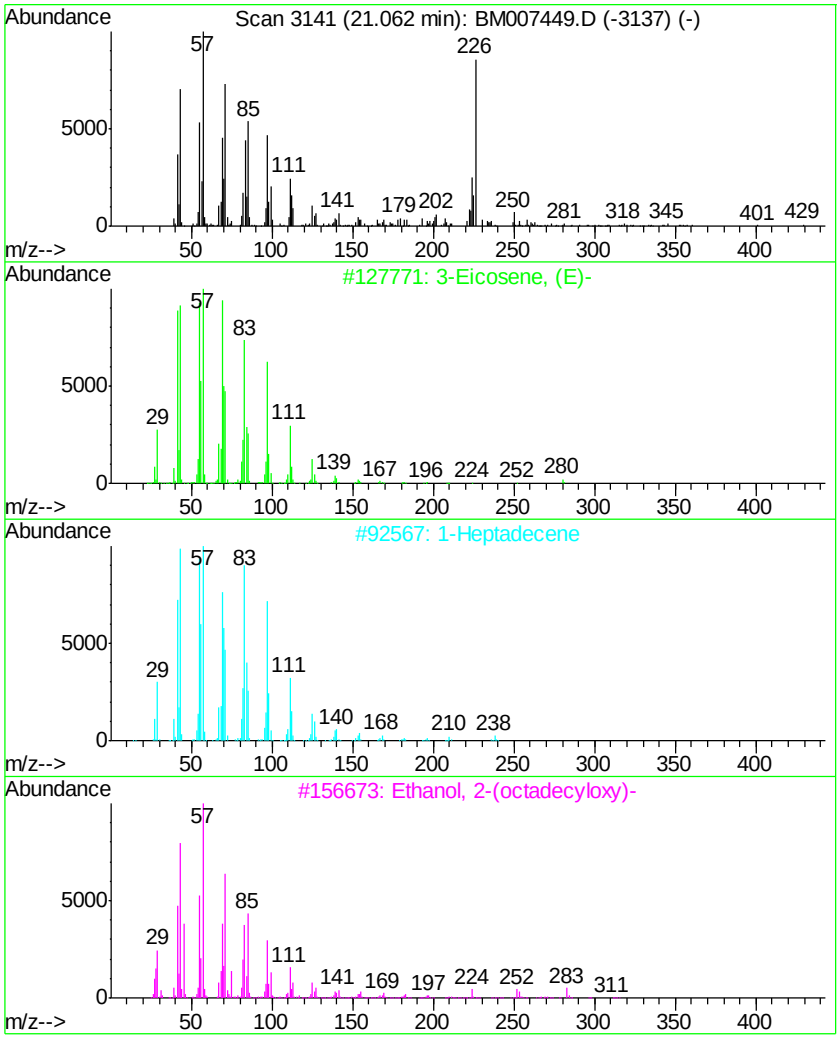
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

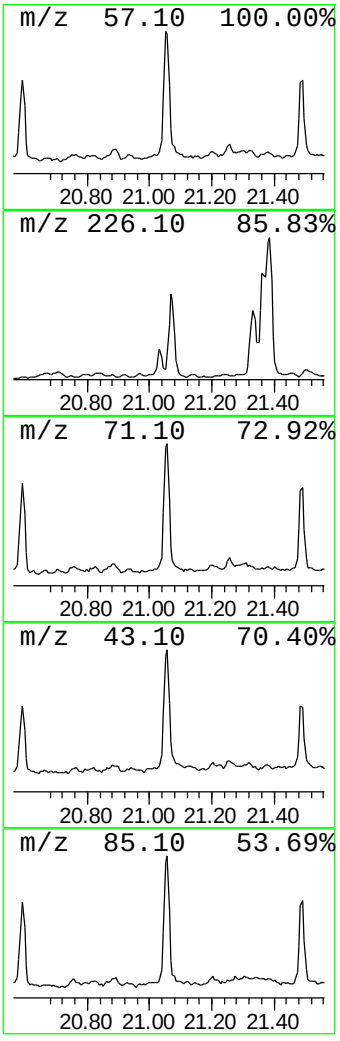
****

Peak Number 25 (DEL) Alkane: Cyclic21.06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	3.32 ng/ul	1648930	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
2	1-Heptadecene	238	C17H34	006765-39-5	95
3	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	93
4	Hexadecane	226	C16H34	000544-76-3	92
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	87





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Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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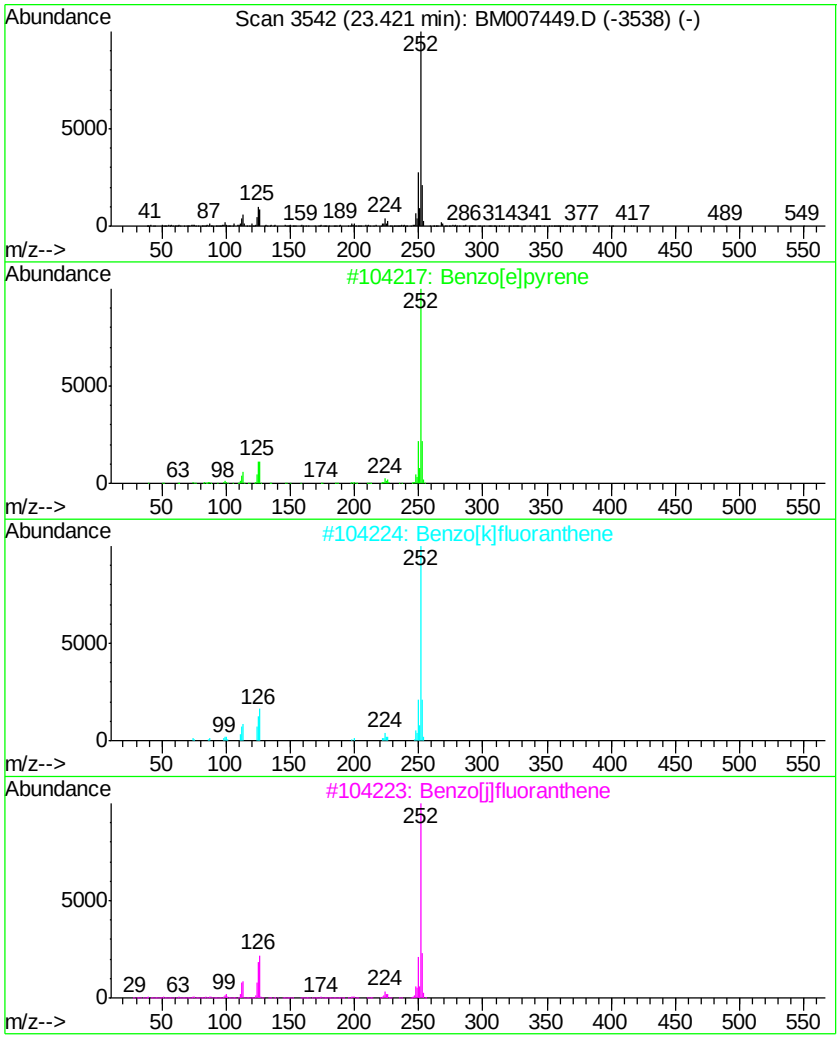
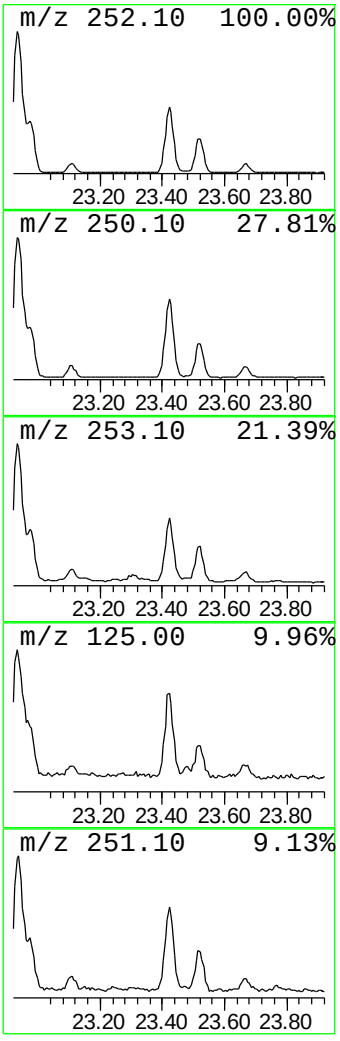
Peak Number 26 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.42	3.36 ng/ul	1019170	Perylene-d12	23.62

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	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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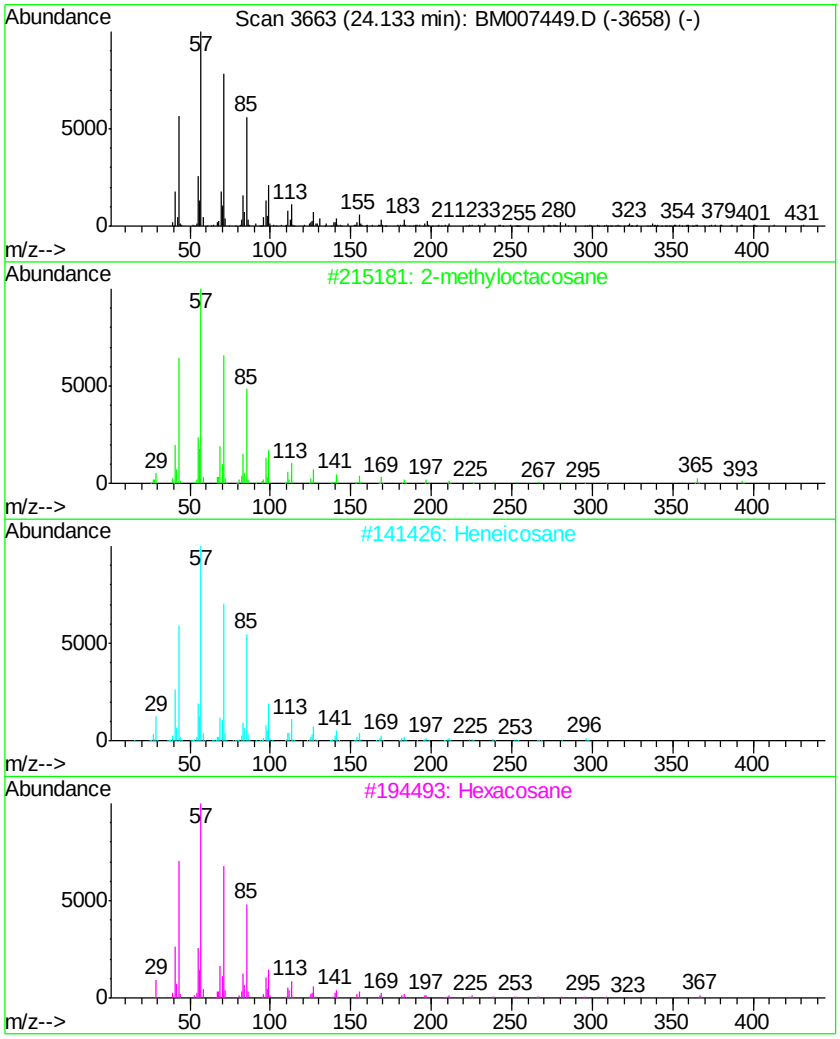
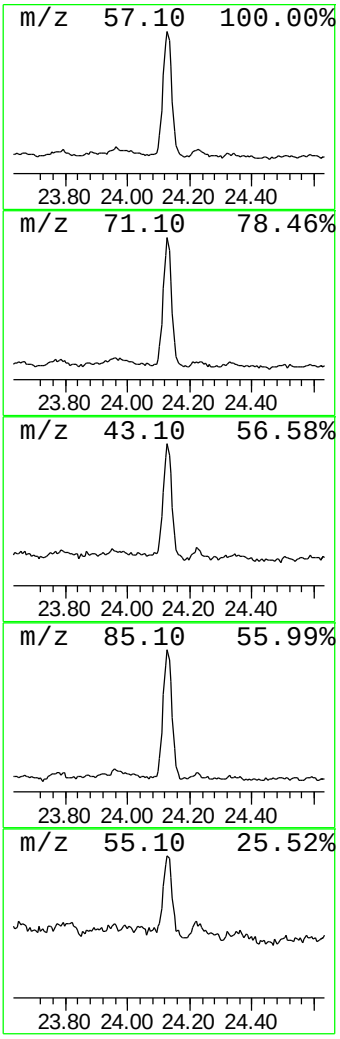
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	4.27 ng/ul	1295230	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87





Tentatively Identified Compound (LSC) summary

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Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
Benzene, 1,3-dime...	5.82	2.1	ng/ul	177043	1	7.79	1707320	20.0
(DEL) Alkane: Str...	13.25	2.1	ng/ul	493433	3	14.42	4669620	20.0
Naphthalene, 1,5-...	13.74	2.8	ng/ul	653223	3	14.42	4669620	20.0
(DEL) Alkane: Str...	15.27	2.1	ng/ul	489300	3	14.42	4669620	20.0
Dibenzofuran, 4-m...	15.76	2.3	ng/ul	546346	3	14.42	4669620	20.0
2,4,6-Cycloheptat...	15.91	2.3	ng/ul	652214	4	17.17	5707780	20.0
(DEL) Alkane: Str...	16.13	2.5	ng/ul	706063	4	17.17	5707780	20.0
(DEL) Alkane: Str...	16.15	3.0	ng/ul	842038	4	17.17	5707780	20.0
9H-Fluoren-9-one	16.82	2.0	ng/ul	580877	4	17.17	5707780	20.0
1-Octadecanesulph...	16.93	6.8	ng/ul	1939600	4	17.17	5707780	20.0
(DEL) Alkane: Str...	17.66	2.4	ng/ul	685967	4	17.17	5707780	20.0
cis-9-Hexadecenoi...	18.00	3.1	ng/ul	874609	4	17.17	5707780	20.0
n-Hexadecanoic acid	18.06	8.3	ng/ul	2382670	4	17.17	5707780	20.0
Anthracene, 2-met...	18.09	5.1	ng/ul	1446450	4	17.17	5707780	20.0
Phenanthrene, 1-m...	18.23	3.3	ng/ul	932624	4	17.17	5707780	20.0
1H-Indene, 2-phenyl-	18.27	2.1	ng/ul	599209	4	17.17	5707780	20.0
(DEL) Alkane: Str...	18.35	2.6	ng/ul	747160	4	17.17	5707780	20.0
Naphthalene, 2-ph...	18.54	2.8	ng/ul	789559	4	17.17	5707780	20.0
9,10-Anthracenedione	18.59	2.6	ng/ul	742334	4	17.17	5707780	20.0
Phenanthrene, 2,5...	18.96	2.8	ng/ul	811368	4	17.17	5707780	20.0
Cyclopenta(def)ph...	19.10	2.5	ng/ul	710592	4	17.17	5707780	20.0
Pyrene, 1-methyl-	19.90	2.3	ng/ul	1119010	5	21.35	9919950	20.0
11H-Benzo[a]fluor...	20.83	2.6	ng/ul	1295750	5	21.35	9919950	20.0
(DEL) Alkane: Cyc...	21.06	3.3	ng/ul	1648930	5	21.35	9919950	20.0
Benzo[e]pyrene	23.42	3.4	ng/ul	1019170	6	23.62	6073050	20.0
(DEL) Alkane: Str...	24.13	4.3	ng/ul	1295230	6	23.62	6073050	20.0