LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

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\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.722	629	635	644	rBV	450125	883477	5.65%	0.540%
2	6.875	655	661	669	rVB	374707	609940	3.90%	0.373%
3	7.063	687	693	701	rBV	545256	922483	5.90%	0.564%
4	7.522	765	771	778	rBV	554585	859115	5.50%	0.525%
5	8.246	886	894	902	rBV	576950	1067717	6.83%	0.653%
6	8.351	908	912	921	rVB4	120521	252937	1.62%	0.155%
7	8.681	961	968	975	rBV	567802	1000554	6.40%	0.612%
8	9.398	1085	1090	1096	rVB	473055	810062	5.18%	0.495%
9	9.463	1096	1101	1108	rBV4	96508	172310	1.10%	0.105%
10	9.934	1175	1181	1192	rBV	610528	1186985	7.59%	0.726%
11	10.292	1228	1242	1247	rBV	907975	1542802	9.87%	0.944%
12	10.339	1247	1250	1257	rVB	278993	443317	2.84%	0.271%
13	10.457	1265	1270	1281	rBV3	240527	603219	3.86%	0.369%
14	11.563	1452	1458	1464	rBV3	102726	167207	1.07%	0.102%
15	11.969	1522	1527	1532	rVB	162074	260242	1.66%	0.159%
16	12.186	1557	1564	1571	rBV	126120	231031	1.48%	0.141%
17	13.498	1781	1787	1792	rBV2	147771	281495	1.80%	0.172%
18	13.604	1798	1805	1809	rVV	1374931	2022062	12.93%	1.237%
19	13.651	1809	1813	1818	rVB	602435	806142	5.16%	0.493%
20	13.869	1844	1850	1854	rBV	1602099	2481004	15.87%	1.517%
21	14.180	1896	1903	1909	rVV2	1204995	1805474	11.55%	1.104%
22	14.245	1909	1914	1923	rVB	461527	710340	4.54%	0.434%
23	14.445	1943	1948	1953	rBV2	192850	399805	2.56%	0.245%
24	14.586	1967	1972	1976	rBV	384027	537277	3.44%	0.329%
25	14.810	2000	2010	2015	rBV4	85272	222256	1.42%	0.136%
26	14.863	2015	2019	2030	rVB	77801	168364	1.08%	0.103%
27	15.045	2046	2050	2057	rVB2	121881	182484	1.17%	0.112%
28	15.180	2068	2073	2078	rBV	1912617	2692545	17.22%	1.647%
29	15.239	2078	2083	2088	rVB	543492	815877	5.22%	0.499%
30	15.339	2095	2100	2107	rBV4	316539	637938	4.08%	0.390%
31	15.533	2129	2133	2141	rVB	199730	321956	2.06%	0.197%
32	15.686	2154	2159	2167	rVB	184886	387839	2.48%	0.237%
33	15.774	2167	2174	2179	rVB4	88875	187937	1.20%	0.115%
34	15.916	2193	2198	2204	rBV5	157352	329559	2.11%	0.202%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

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\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	16.245	2247	2254	2258	rBV4	139832	340248	2.18%	0.208%
36	16.292	2259	2262	2268	rVB2	110666	182567	1.17%	0.112%
37	16.516	2296	2300	2303	rVB4	123639	162080	1.04%	0.099%
38	16.604	2310	2315	2320	rVB	388426	554674	3.55%	0.339%
39	16.674	2322	2327	2328	rBV2	127298	164831	1.05%	0.101%
40	16.757	2336	2341	2351	rVB	442859	714319	4.57%	0.437%
41	16.939	2366	2372	2375	rBV	1426837	1998650	12.78%	1.222%
42	16.986	2375	2380	2385	rVV	7934815	10698602	68.43%	6.543%
43	17.039	2385	2389	2392	rVV2	2195096	3051442	19.52%	1.866%
44	17.074	2392	2395	2401	rVV	1367151	1774514	11.35%	1.085%
45	17.145	2401	2407	2410	rVV2	154977	288602	1.85%	0.177%
46	17.357	2435	2443	2451	rBV2	637675	1173724	7.51%	0.718%
47	17.463	2456	2461	2464	rVV2	156575	261333	1.67%	0.160%
48	17.521	2467	2471	2479	rVB4	192876	394477	2.52%	0.241%
49	17.663	2491	2495	2500	rVB2	127388	210213	1.34%	0.129%
50	17.815	2515	2521	2524	rBV	990757	1363423	8.72%	0.834%
51	17.863	2524	2529	2535	rVV2	1763493	2980928	19.07%	1.823%
52	17.945	2539	2543	2548	rVV	425713	587447	3.76%	0.359%
53	18.010	2548	2554	2558	rVV2	1203002	2226432	14.24%	1.362%
54	18.045	2558	2560	2567	rVB	691036	863975	5.53%	0.528%
55	18.133	2571	2575	2579	rBV3	139657	242806	1.55%	0.149%
56	18.321	2603	2607	2612	rBV	602813	798379	5.11%	0.488%
57	18.374	2612	2616	2622	rVB	704771	983026	6.29%	0.601%
58	18.568	2642	2649	2654	rBV4	252218	528519	3.38%	0.323%
59	18.621	2655	2658	2661	rVV	255245	321571	2.06%	0.197%
60	18.663	2661	2665	2669	rVB2	242714	316608	2.03%	0.194%
61	18.745	2674	2679	2683	rBV	580574	949963	6.08%	0.581%
62	18.786	2683	2686	2687	rBV2	197568	223336	1.43%	0.137%
63	18.839	2693	2695	2698	rVB	205693	206650	1.32%	0.126%
64	18.898	2699	2705	2711	rBV4	514245	1021658	6.53%	0.625%
65	19.015	2718	2725	2731	rBV	11518526	15634240	100.00%	9.562%
66	19.115	2739	2742	2744	rBV2	212078	254525	1.63%	0.156%
67	19.145	2744	2747	2753	rVB3	592243	1020620	6.53%	0.624%
68	19.251	2763	2765	2770	rVB	290413	377703	2.42%	0.231%
69	19.351	2777	2782	2784	rBV2	3544917	5199874	33.26%	3.180%
70	19.386	2784	2788	2795	rVB	9418159	12668302	81.03%	7.748%
71	19.451	2795	2799	2804	rBV2	455962	620293	3.97%	0.379%

LSC Area Percent Report

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Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

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\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	19.562	2814	2818	2824	rVB	417916	572450	3.66%	0.350%
73	19.627	2825	2829	2834	rVB	453656	656141	4.20%	0.401%
74	19.704	2837	2842	2849	rBV3	577863	1412503	9.03%	0.864%
75	19.792	2855	2857	2861	rVB	212088	242719	1.55%	0.148%
76	19.880	2861	2872	2878	rBV	1219251	2736536	17.50%	1.674%
77	19.980	2885	2889	2892	rBV	718862	884370	5.66%	0.541%
78	20.039	2892	2899	2903	rVV2	825185	1441830	9.22%	0.882%
79	20.174	2919	2922	2926	rBV	467517	598465	3.83%	0.366%
80	20.221	2926	2930	2935	rBV	534698	821299	5.25%	0.502%
81	20.445	2965	2968	2970	rBV	271060	306711	1.96%	0.188%
82	20.639	2997	3001	3005	rVB	847463	1079454	6.90%	0.660%
83	20.792	3024	3027	3031	rBV2	906787	1233053	7.89%	0.754%
84	20.833	3031	3034	3038	rVV	913636	1159608	7.42%	0.709%
85	20.874	3038	3041	3047	rVV2	1029902	1873562	11.98%	1.146%
86	20.933	3049	3051	3061	rVB	957054	1278401	8.18%	0.782%
87	21.145	3081	3087	3092	rBV2	6120764	10818865	69.20%	6.617%
88	21.192	3092	3095	3104	rVB	5716270	7174368	45.89%	4.388%
89	21.304	3111	3114	3121	rBV	757948	984387	6.30%	0.602%
90	21.645	3169	3172	3174	rBV2	340376	399557	2.56%	0.244%
91	21.692	3178	3180	3184	rVB	879875	1032408	6.60%	0.631%
92	21.886	3210	3213	3216	rBV3	401494	567245	3.63%	0.347%
93	22.692	3343	3350	3354	rBV	4293559	9326339	59.65%	5.704%
94	22.850	3373	3377	3382	rVB	768949	1182956	7.57%	0.723%
95	23.145	3422	3427	3432	rBV	2130011	4025990	25.75%	2.462%
96	23.198	3433	3436	3438	rVV	1244273	1811453	11.59%	1.108%
97	23.245	3439	3444	3453	rVB	3659959	6342758	40.57%	3.879%
98	23.374	3463	3466	3474	rVB2	1033547	1876983	12.01%	1.148%
99	25.497	3820	3827	3836	rVB	1623076	4300948	27.51%	2.630%

Sum of corrected areas: 163505665

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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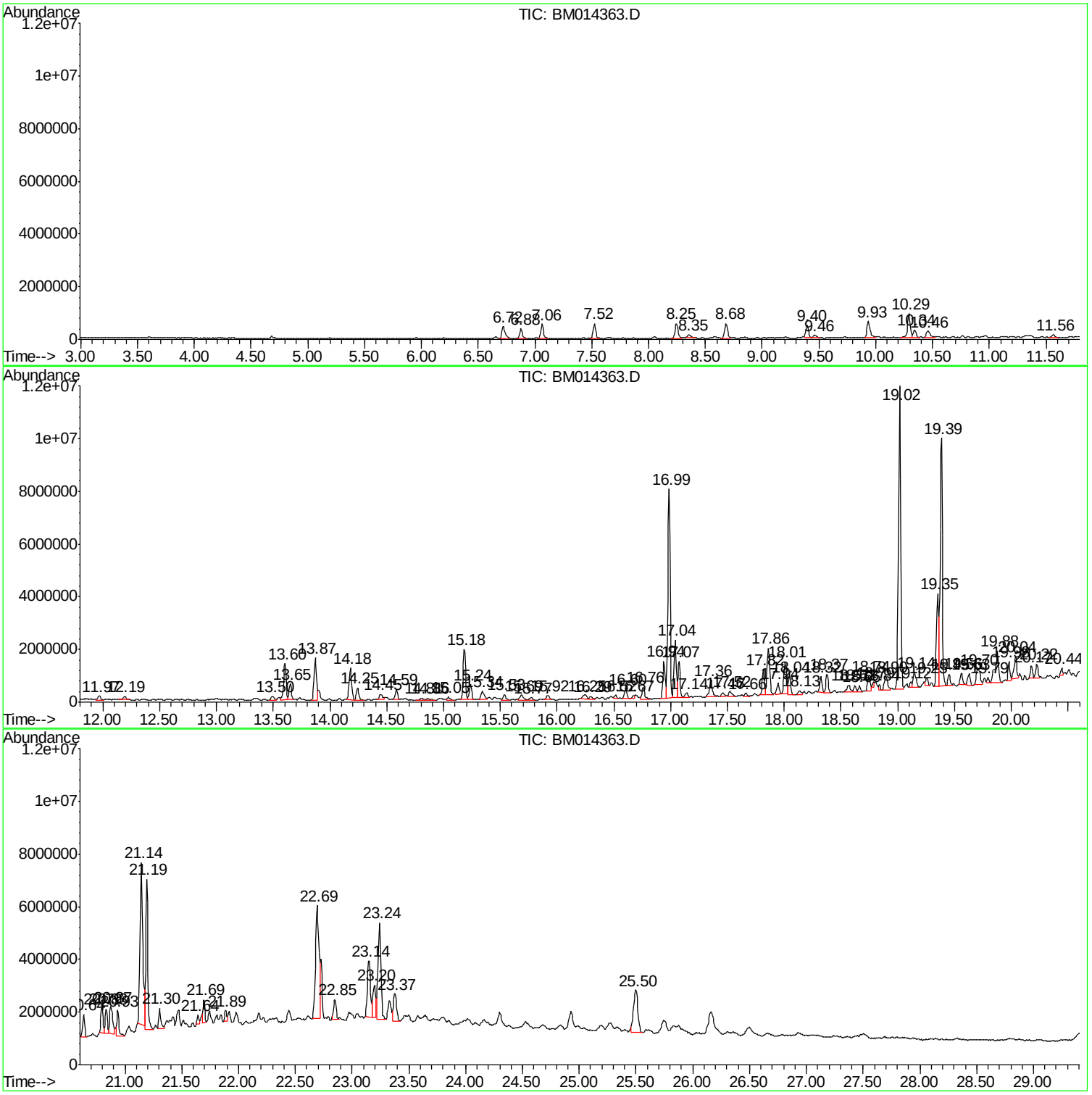
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

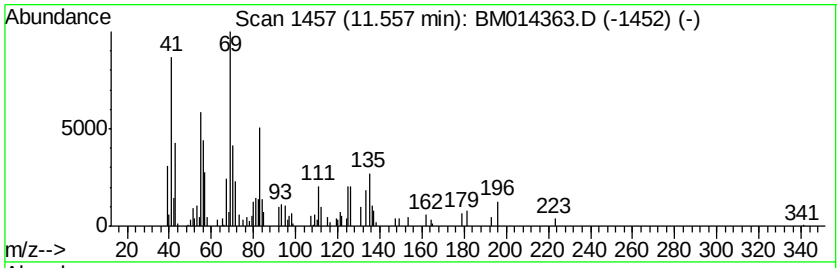
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

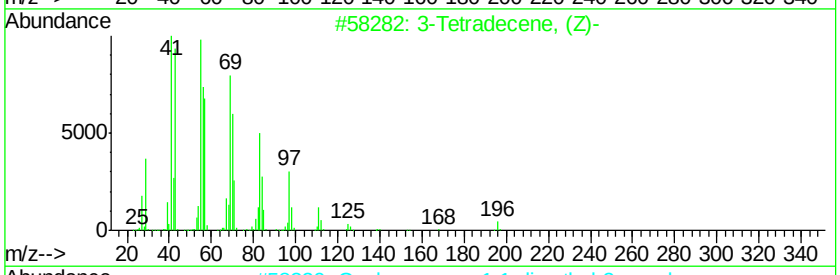
****

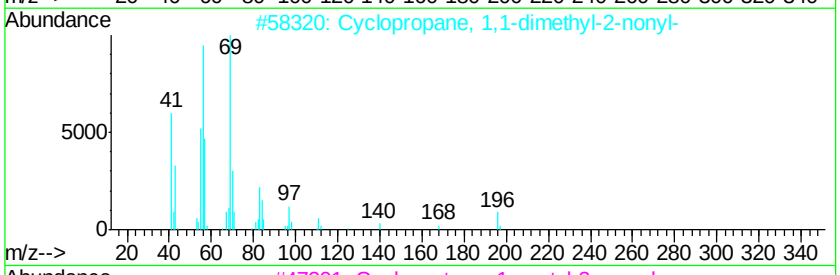
Peak Number 1 3-Tetradecene, (Z)- Concentration Rank 35

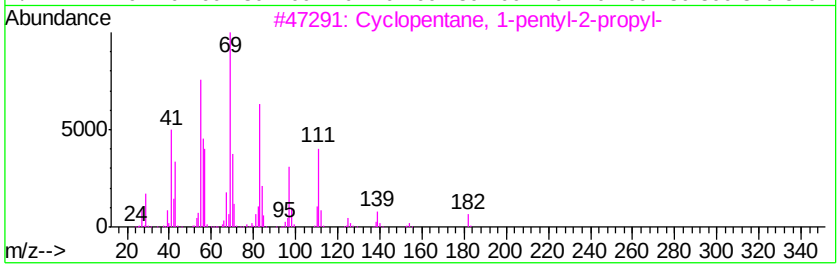
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	2.17 ng/ul	167207	Naphthalene-d8	10.29

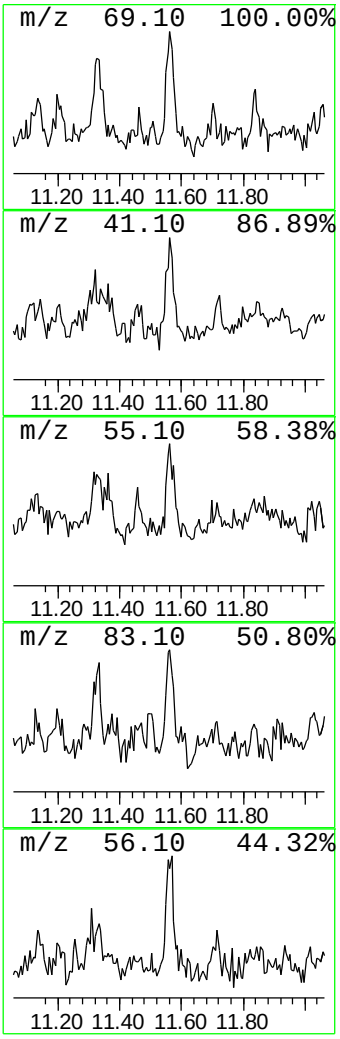
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	62
2	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	62
3	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	58
4	7-Tetradecene	196	C14H28	010374-74-0	42
5	Cyclotetradecane	196	C14H28	000295-17-0	41











Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014363.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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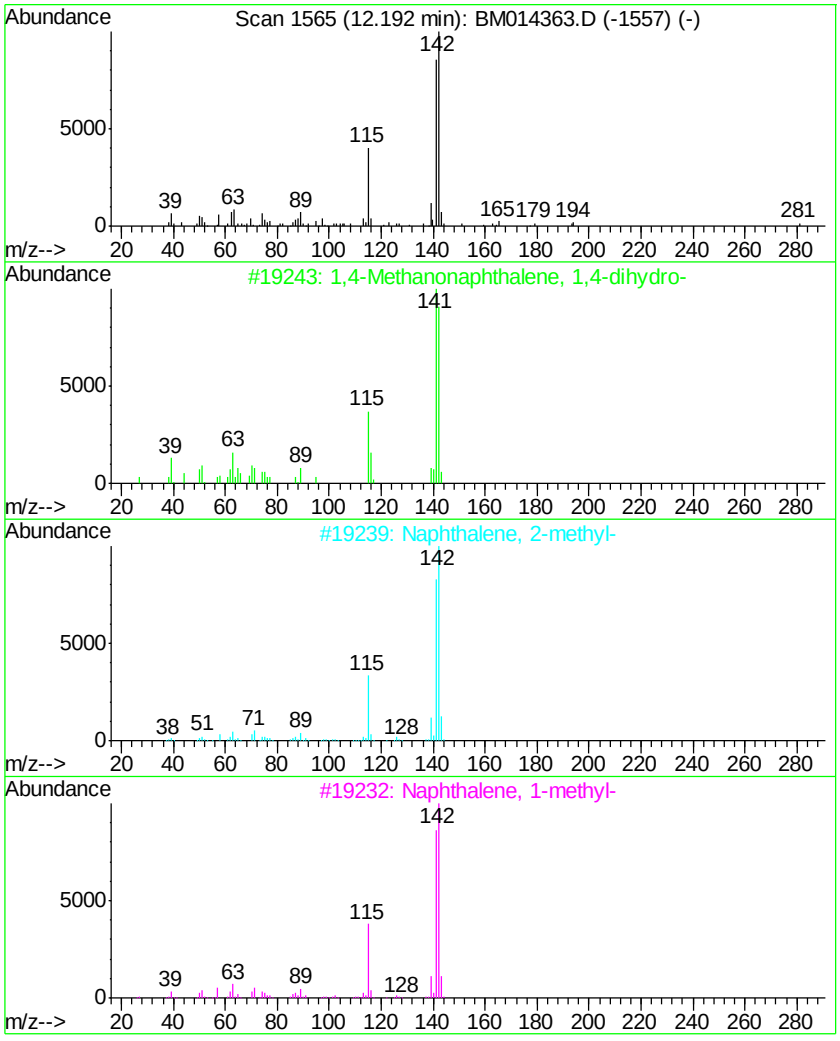
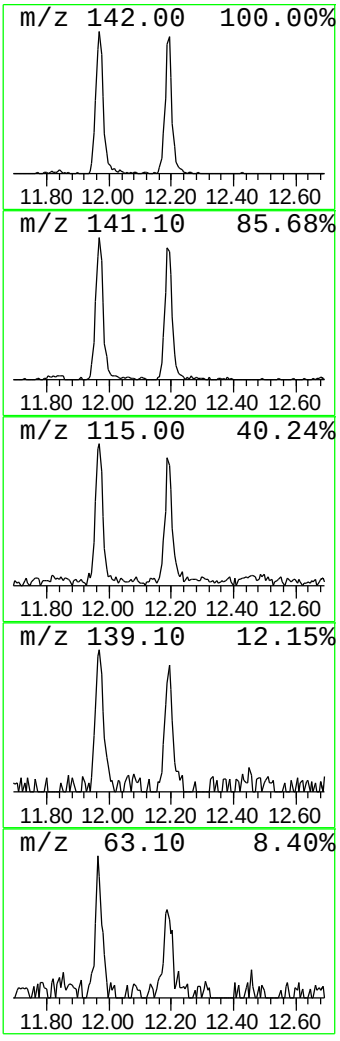
Peak Number 2 1,4-Methanonaphthalene, 1,4... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.99 ng/ul	231031	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	Benzocycloheptatriene	142	C11H10	000264-09-5	87





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

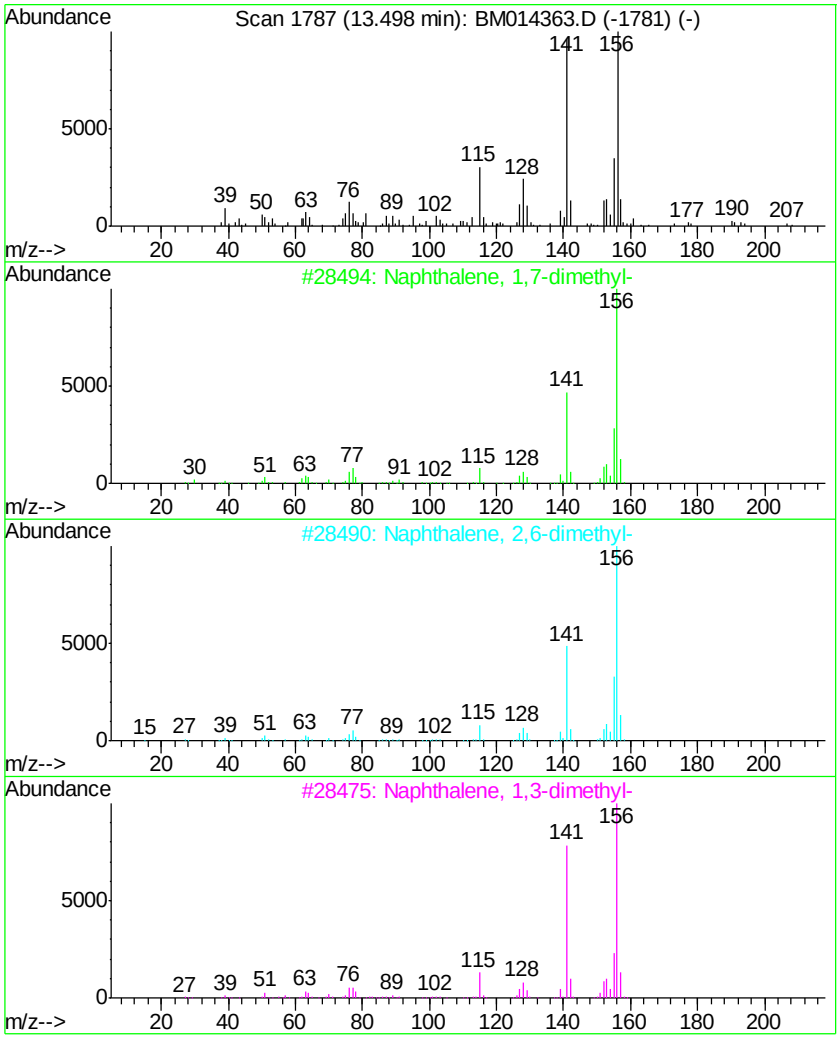
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

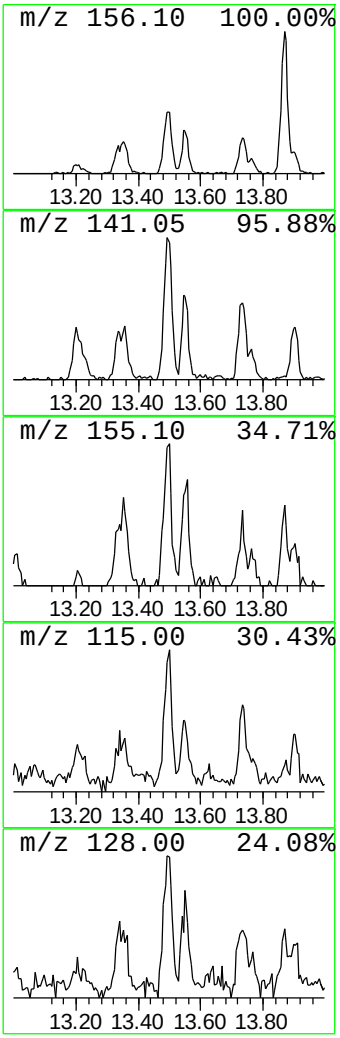
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.12 ng/ul	281495	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





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Data File : BM014363.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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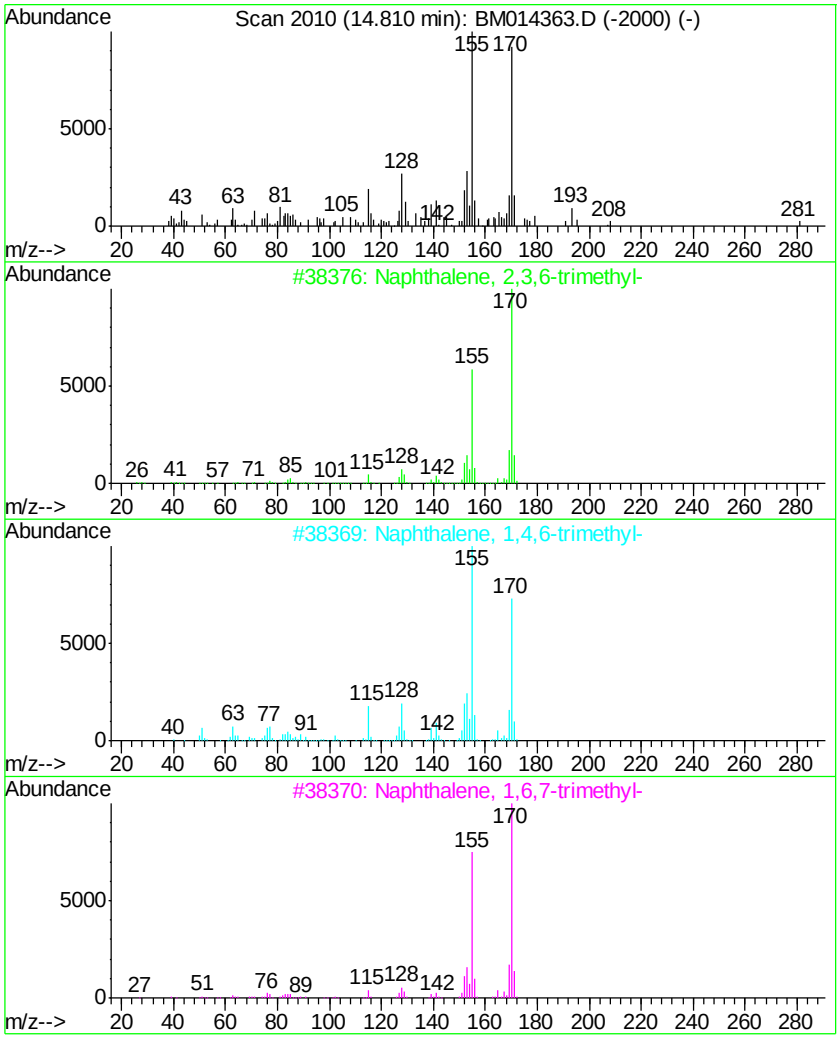
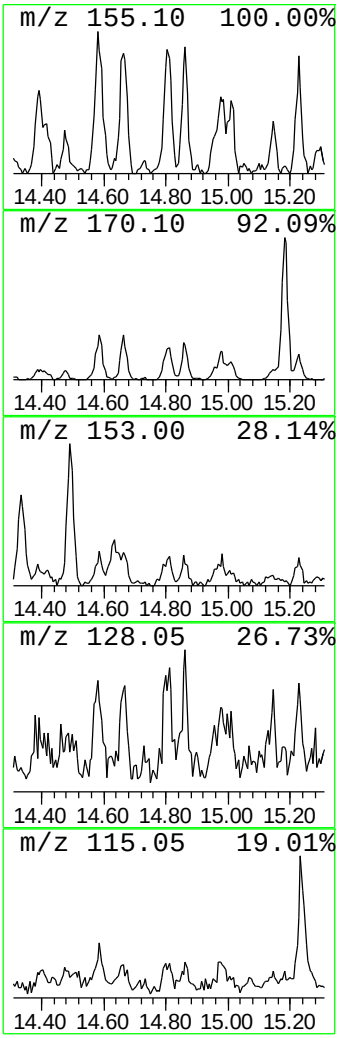
Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	2.46 ng/ul	222256	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93





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Data File : BM014363.D
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Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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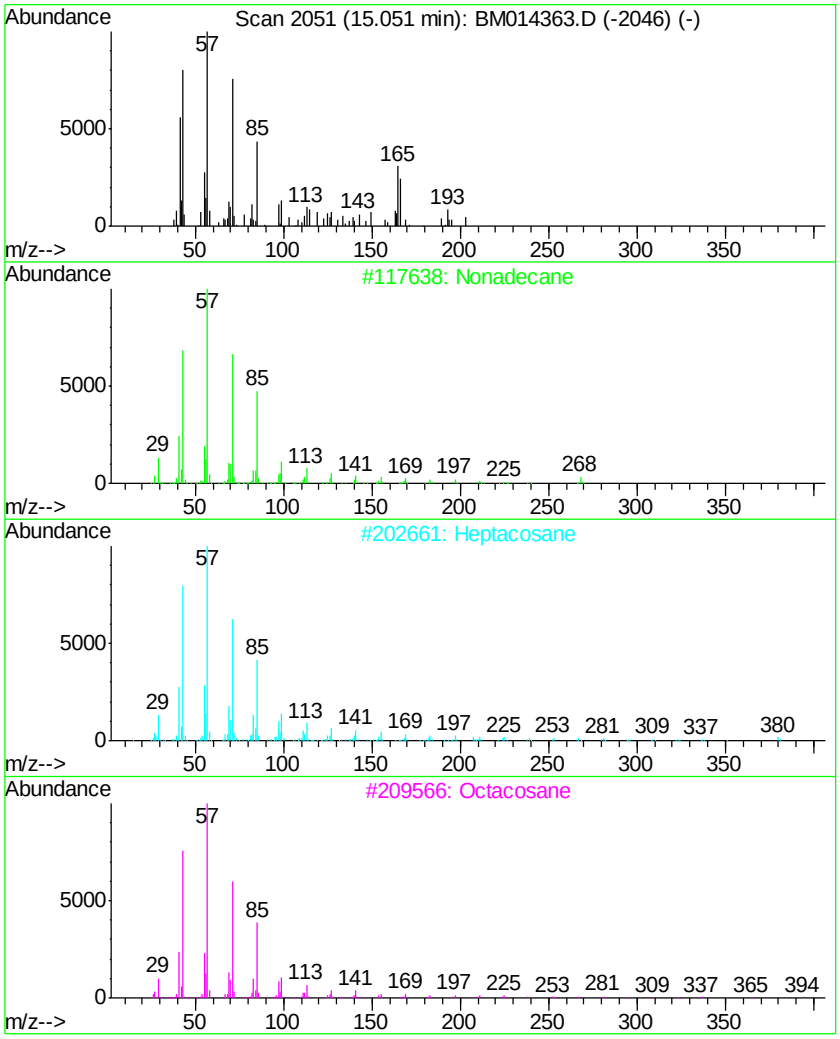
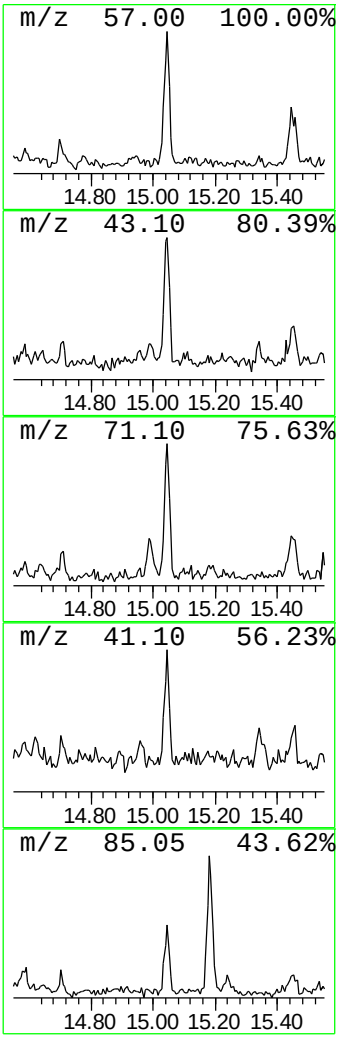
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.02 ng/ul	182484	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Heptacosane	380	C27H56	000593-49-7	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Tetracosane	338	C24H50	000646-31-1	86
5	Hexacosane	366	C26H54	000630-01-3	80





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Misc :
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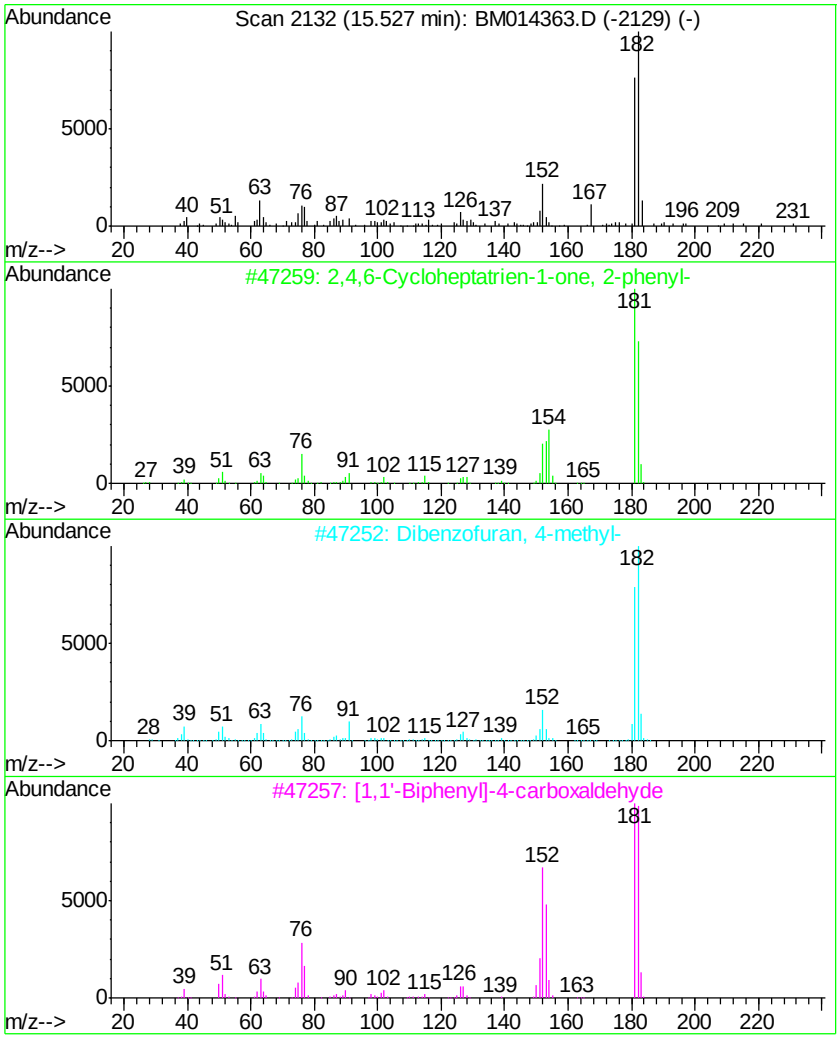
Quant Title : SVOA CALIBRATION

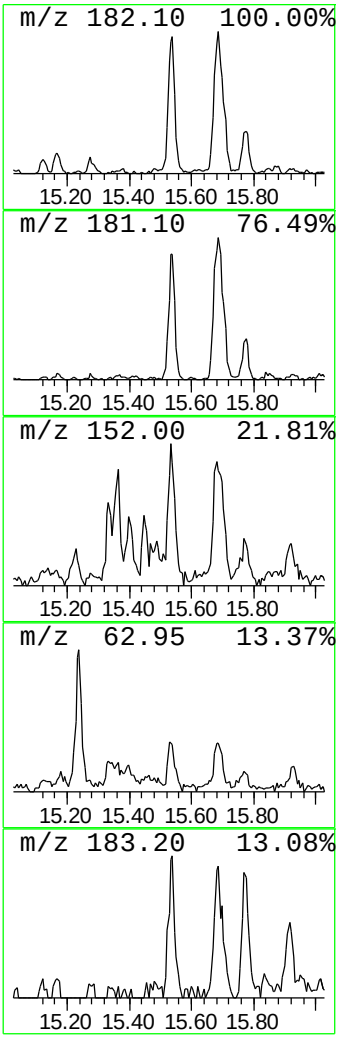
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2,4,6-Cycloheptatrien-1-one... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.57 ng/ul	321956	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81





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

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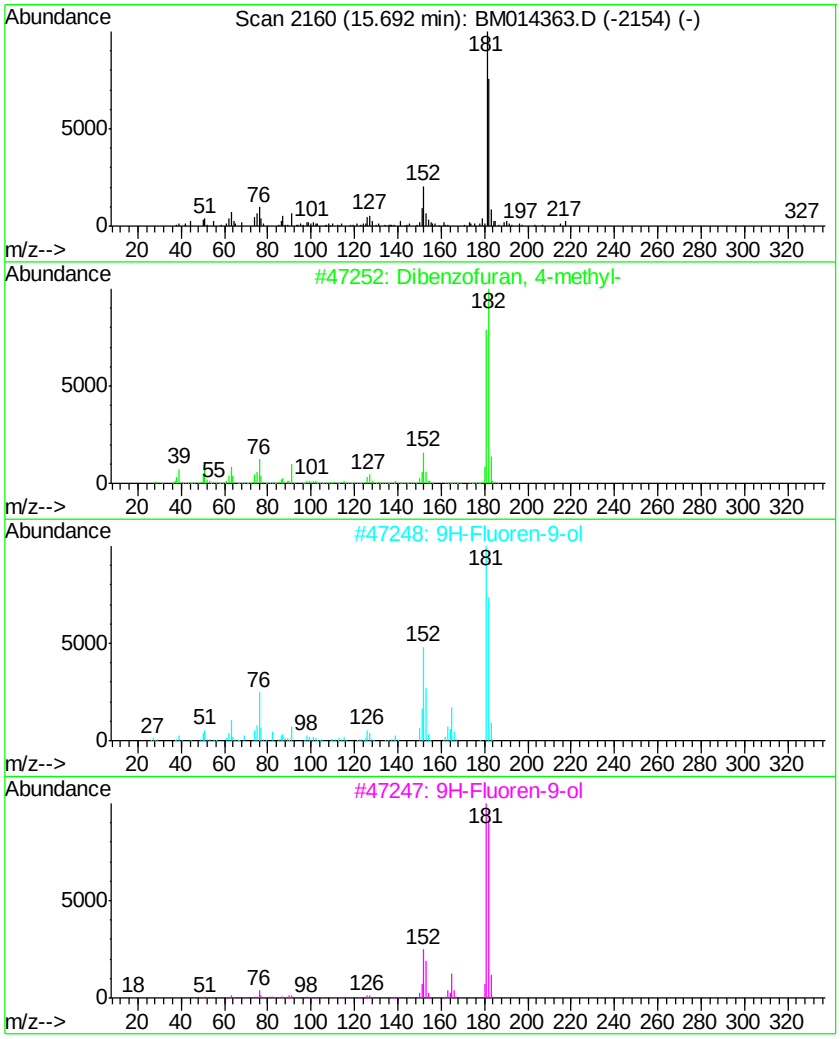
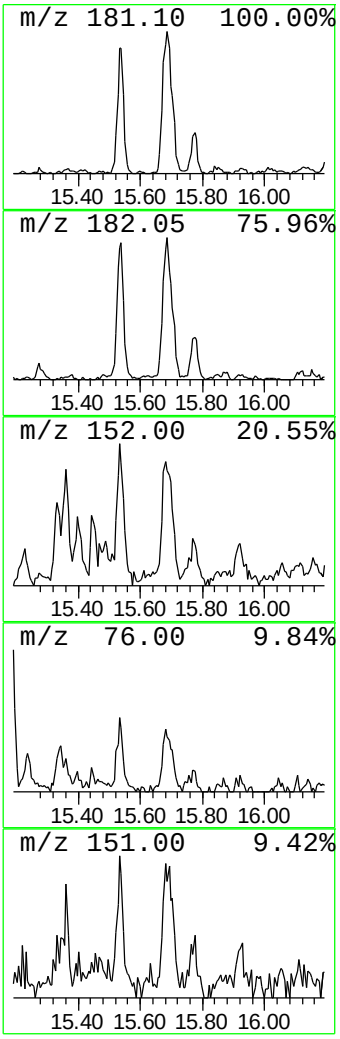
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	3.88 ng/ul	387839	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
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

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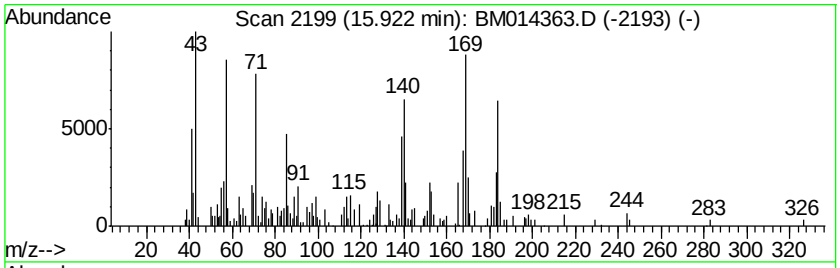
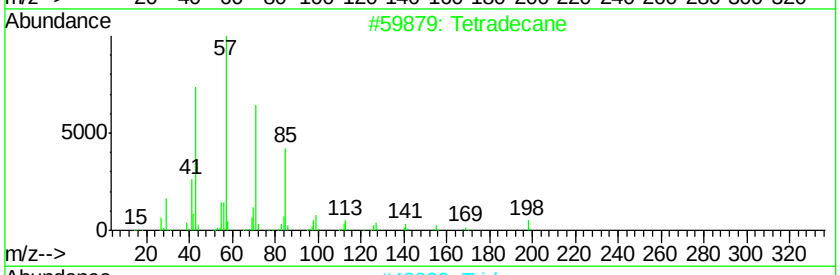
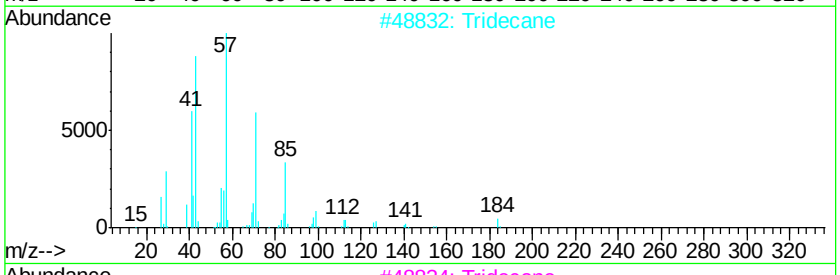
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 21

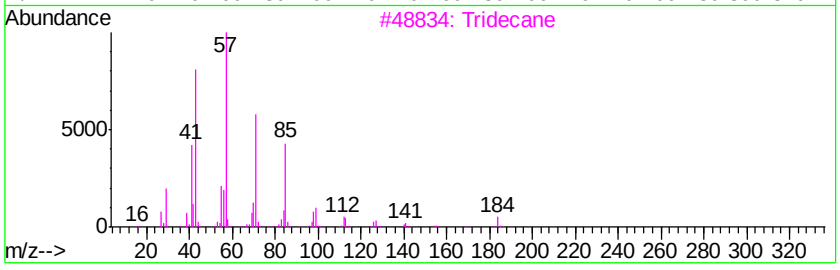
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	3.30 ng/ul	329559	Phenanthrene-d10	16.94

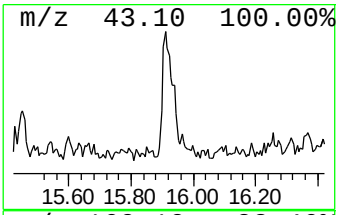
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	70
2	Tridecane	184	C13H28	000629-50-5	45
3	Tridecane	184	C13H28	000629-50-5	45
4	Tetradecane	198	C14H30	000629-59-4	38
5	Dodecane	170	C12H26	000112-40-3	38

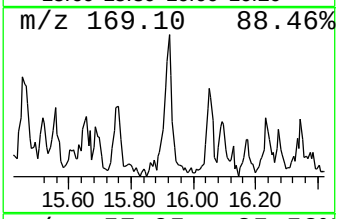


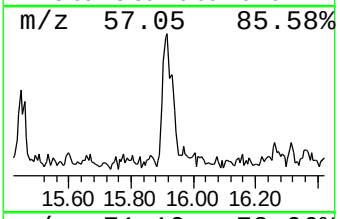


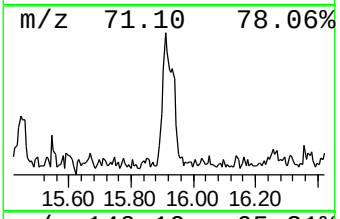


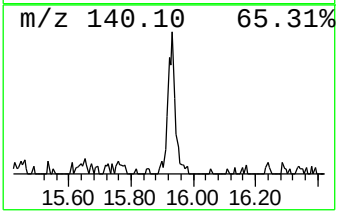












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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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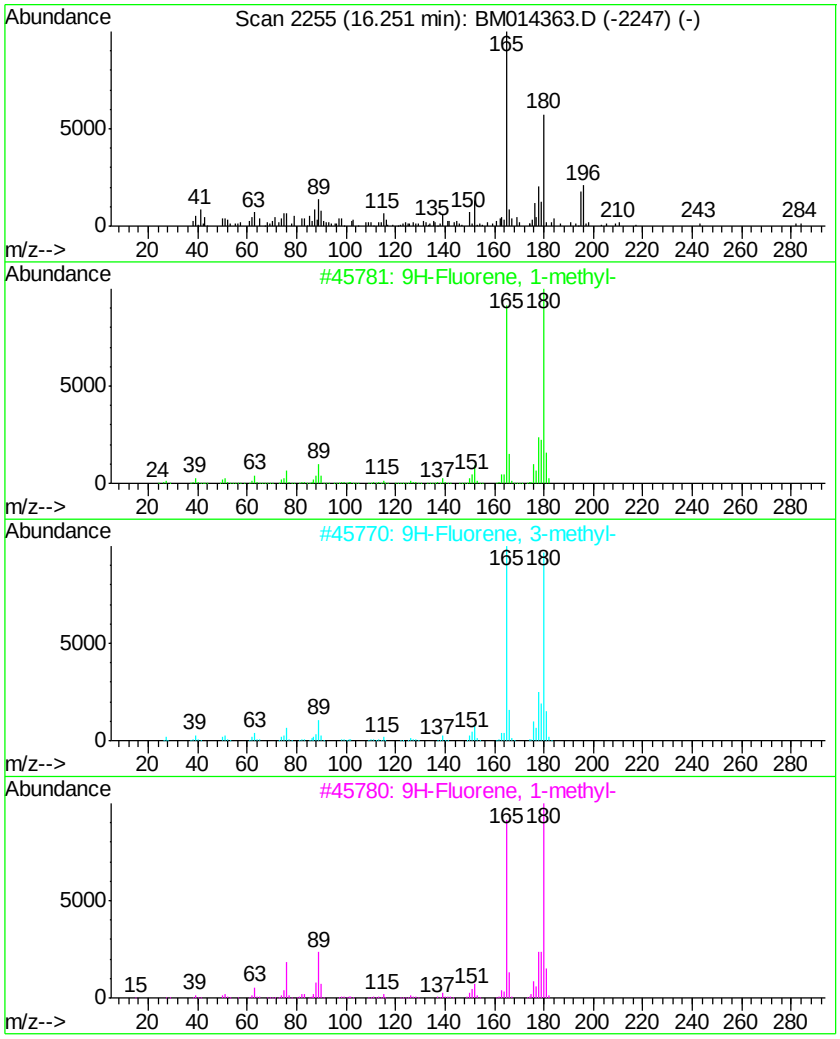
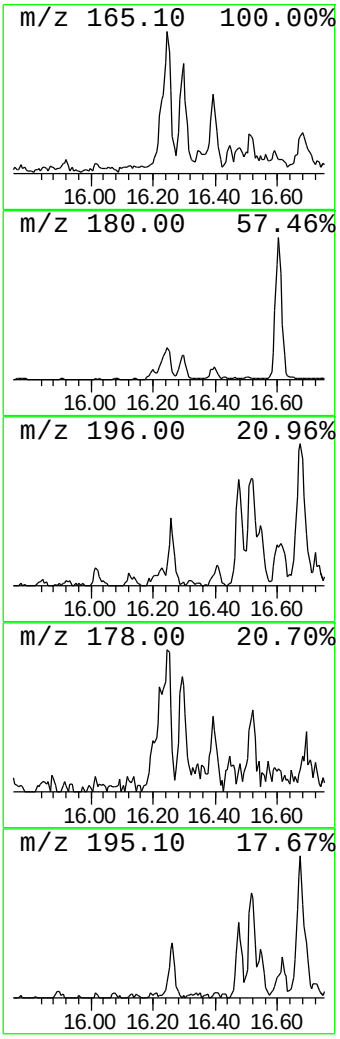
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	3.40 ng/ul	340248	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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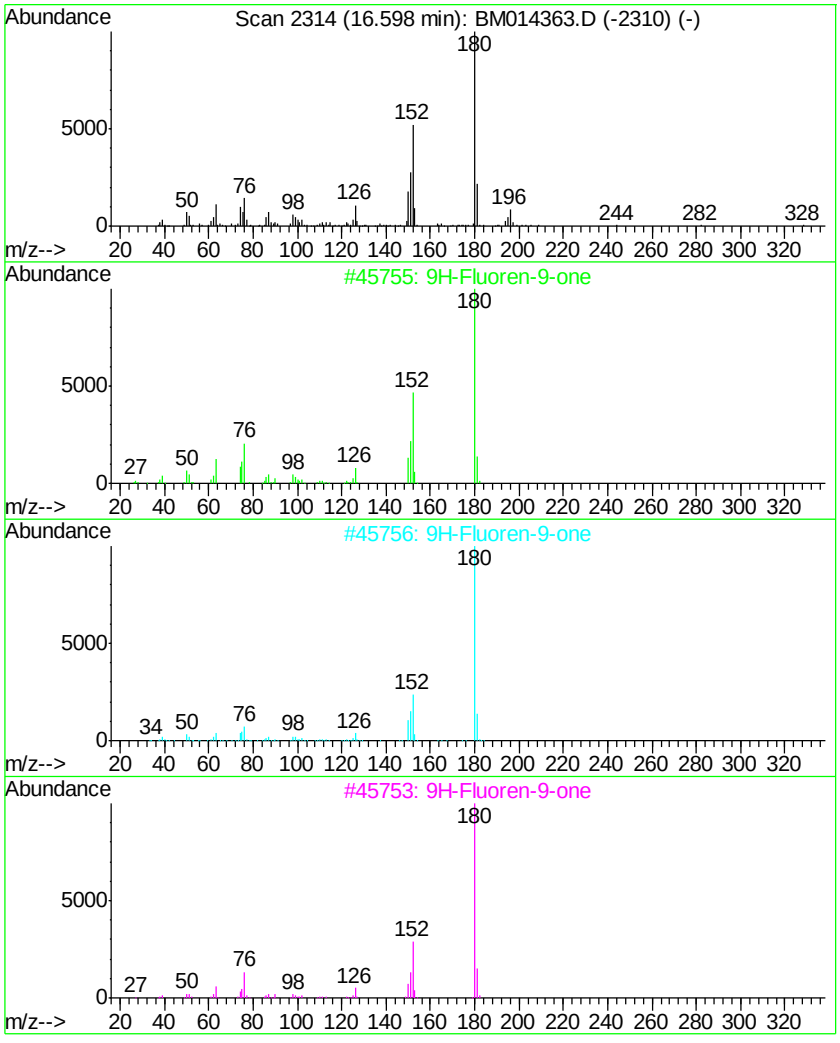
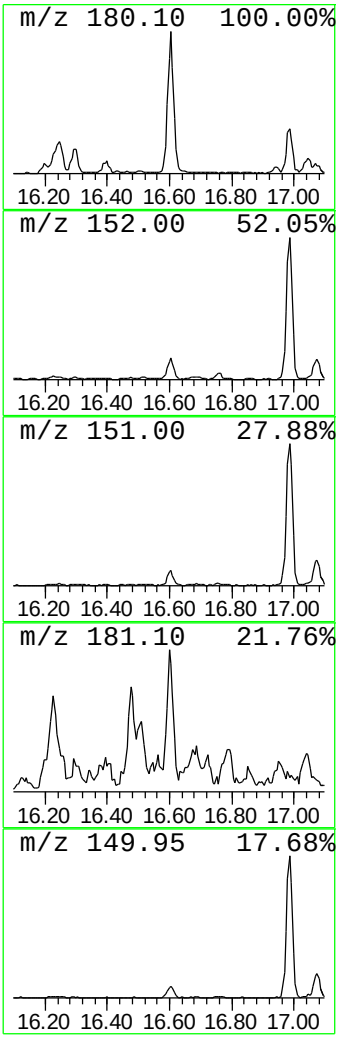
Peak Number 10 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.55 ng/ul	554674	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86





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

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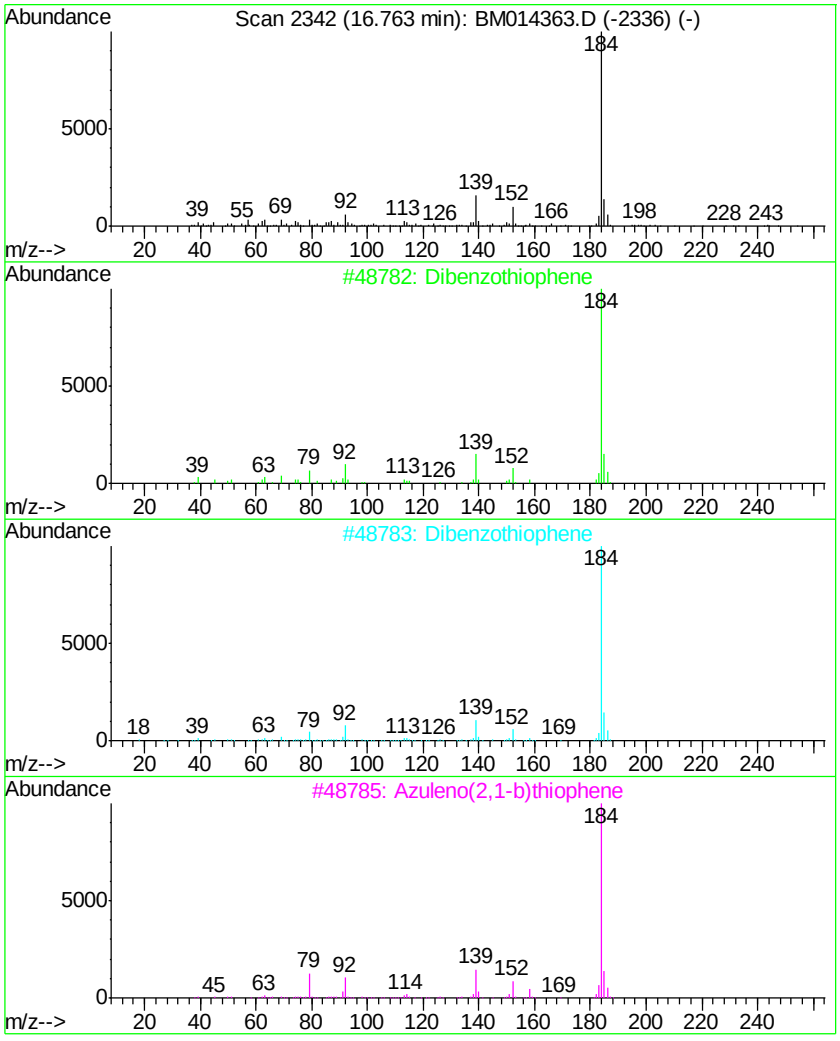
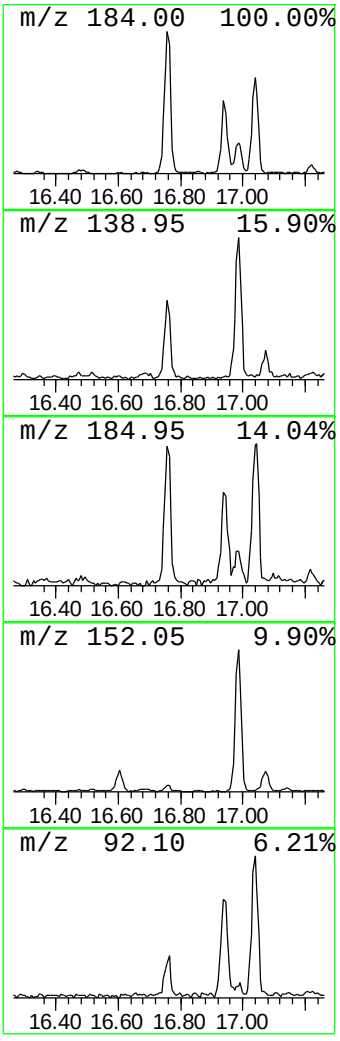
Peak Number 11 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	7.15 ng/ul	714319	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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

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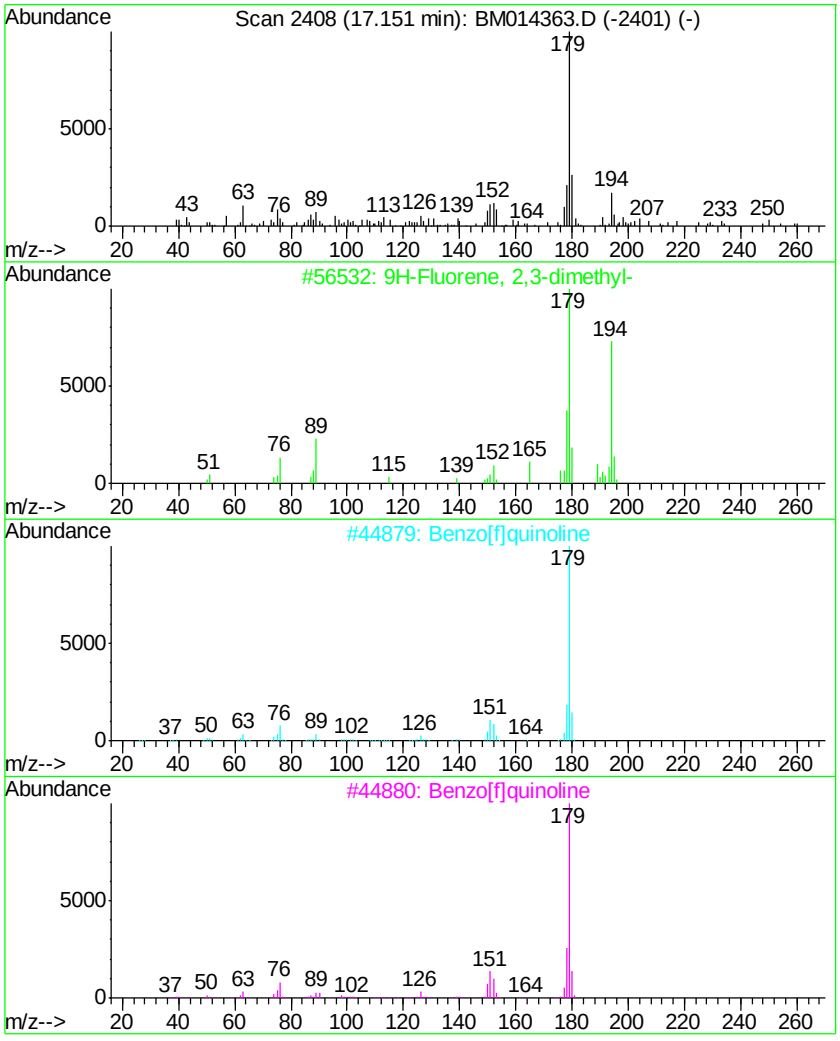
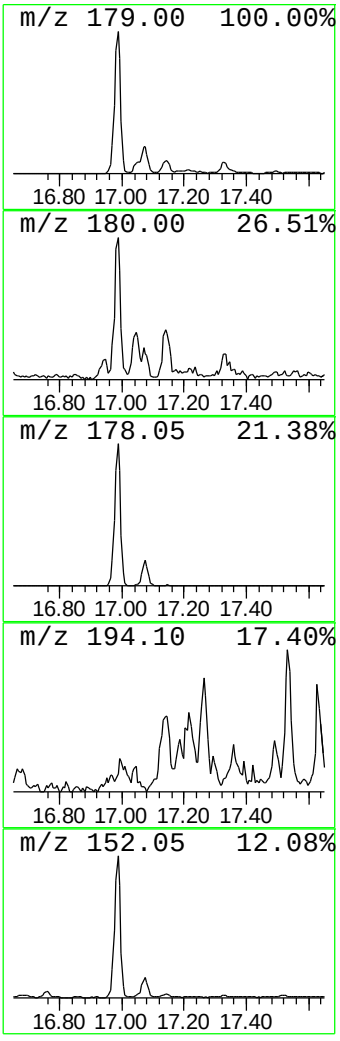
Peak Number 12 9H-Fluorene, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	2.89 ng/ul	288602	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	83
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	81
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	74
4	Acridine	179	C13H9N	000260-94-6	72
5	Benzo[f]isoquinoline	179	C13H9N	000229-67-4	72





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

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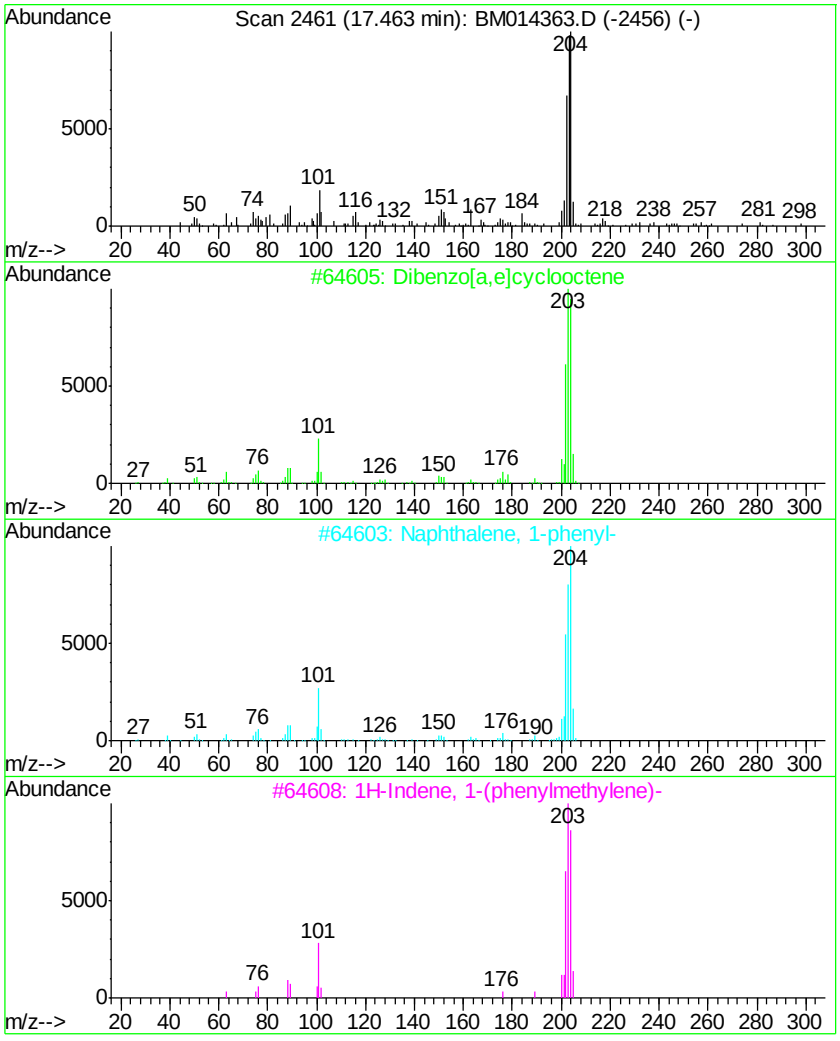
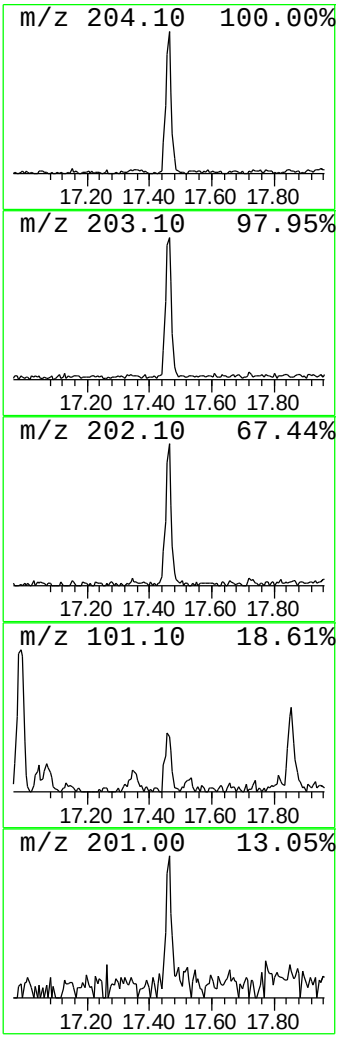
Peak Number 13 Dibenzo[a,e]cyclooctene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.62 ng/ul	261333	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76





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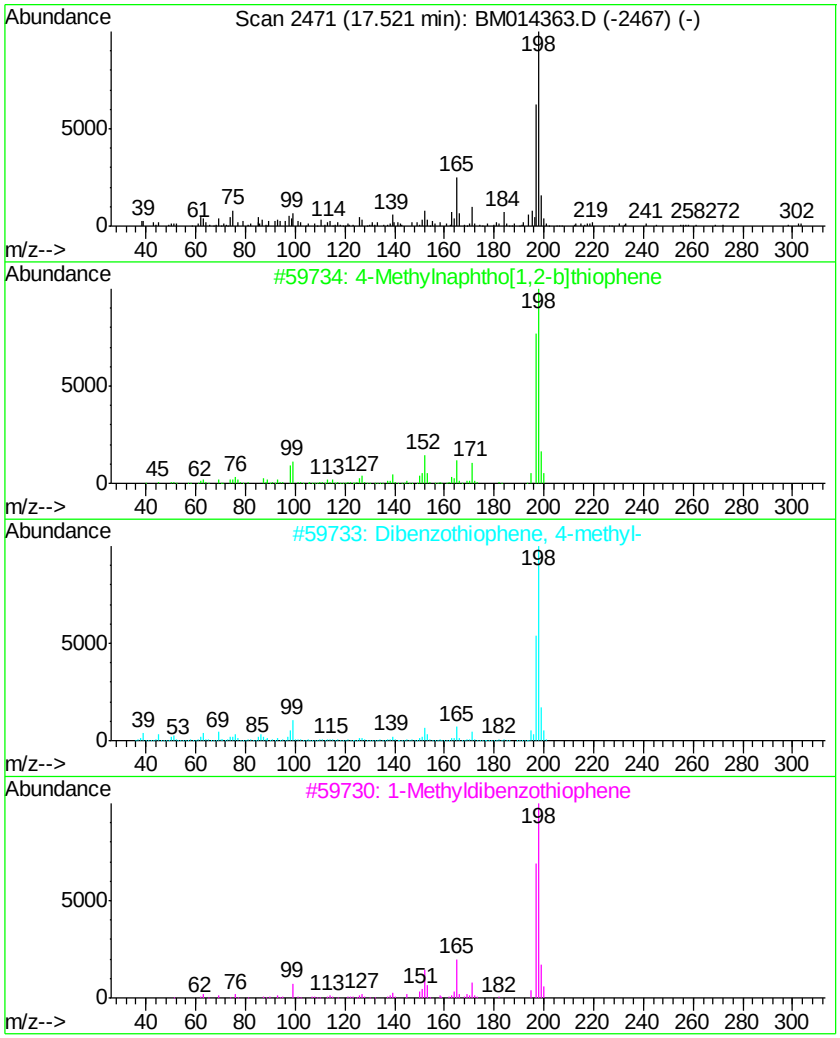
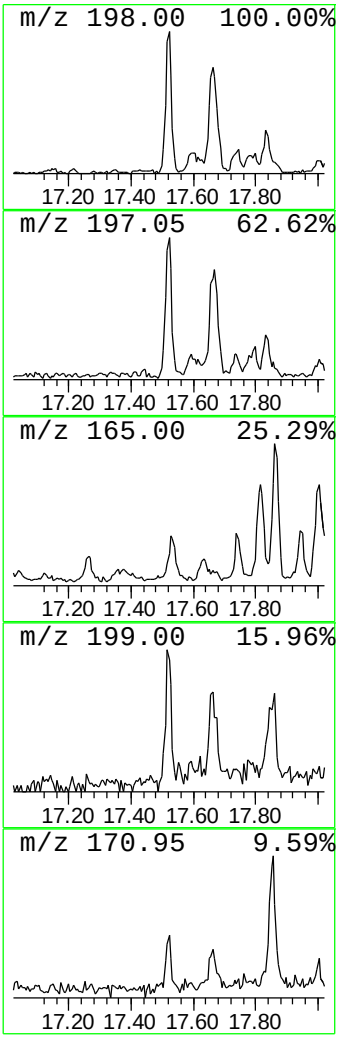
Peak Number 14 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.95 ng/ul	394477	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
4	Thioxanthene	198	C13H10S	000261-31-4	78
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72





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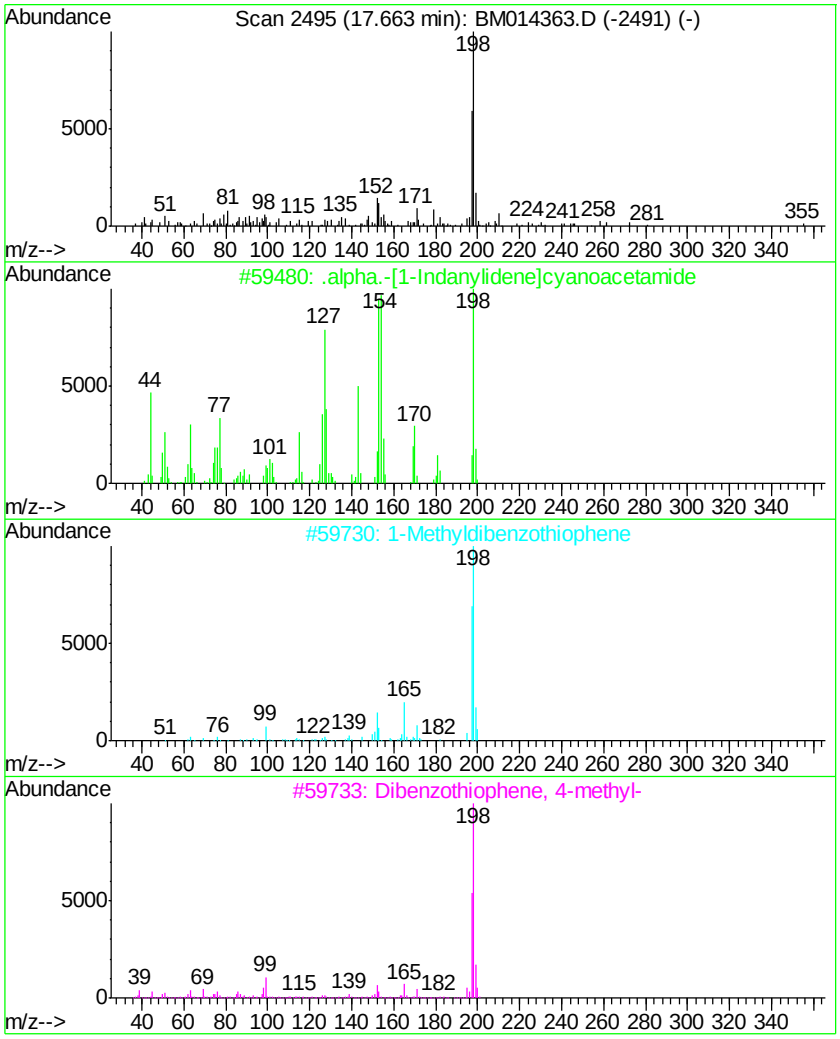
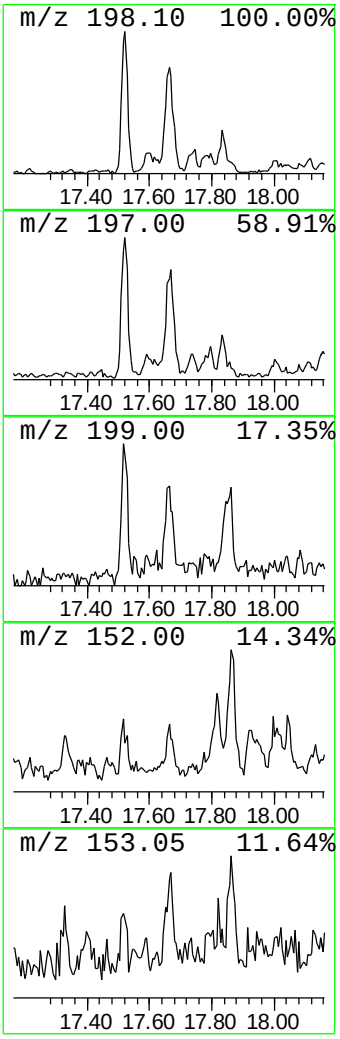
Peak Number 15 .alpha.-[1-Indanylidene]cya... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.10 ng/ul	210213	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-[1-Indanylidene]cyanoace...	198	C12H10N2O	058787-18-1	91
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80





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Sample : J1631-04
Misc :
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Instrument : BNA_M
ClientSampleId : BE5Y7

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Quant Title : SVOA CALIBRATION

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

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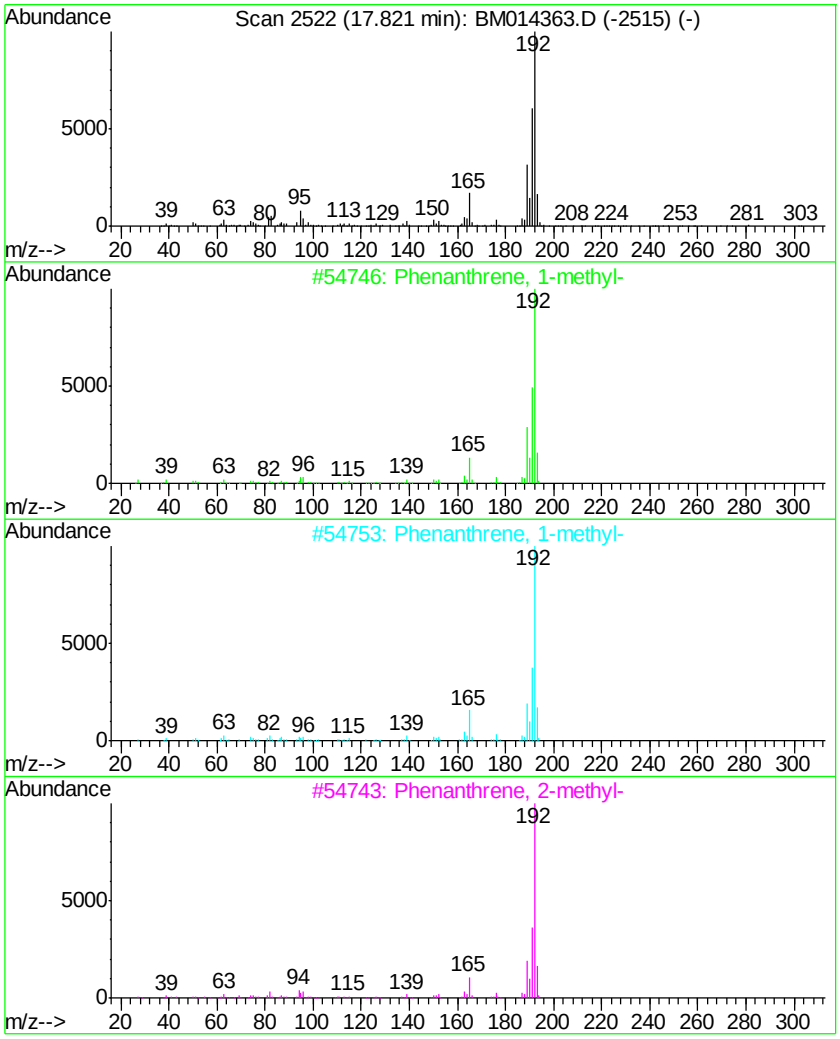
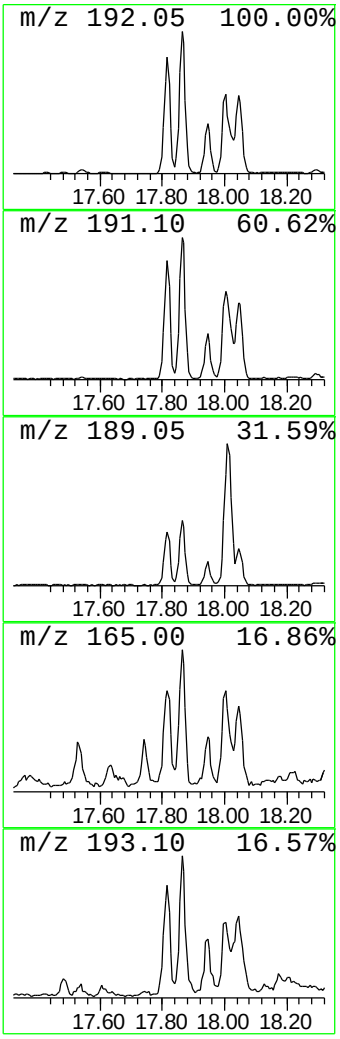
Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	13.64 ng/ul	1363420	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Quant Title : SVOA CALIBRATION

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

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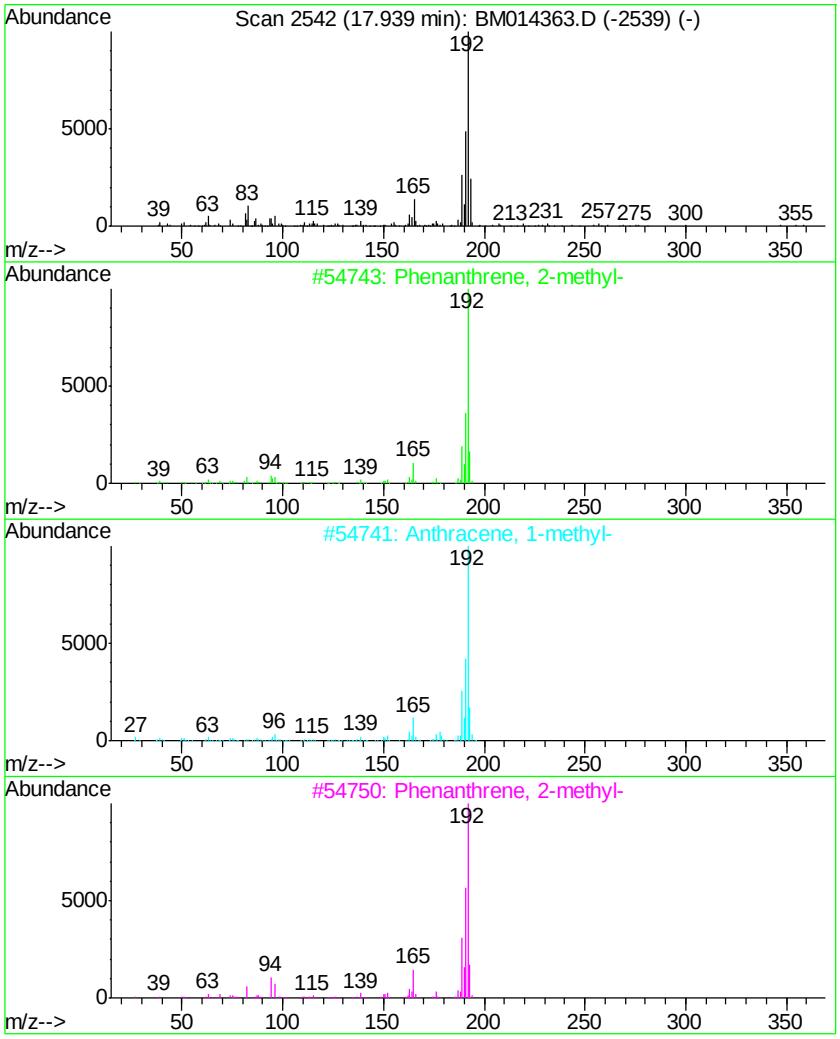
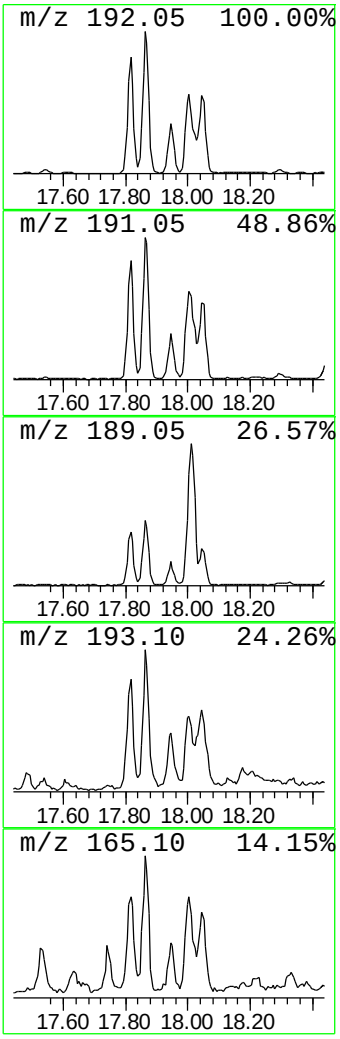
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.88 ng/ul	587447	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Quant Title : SVOA CALIBRATION

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

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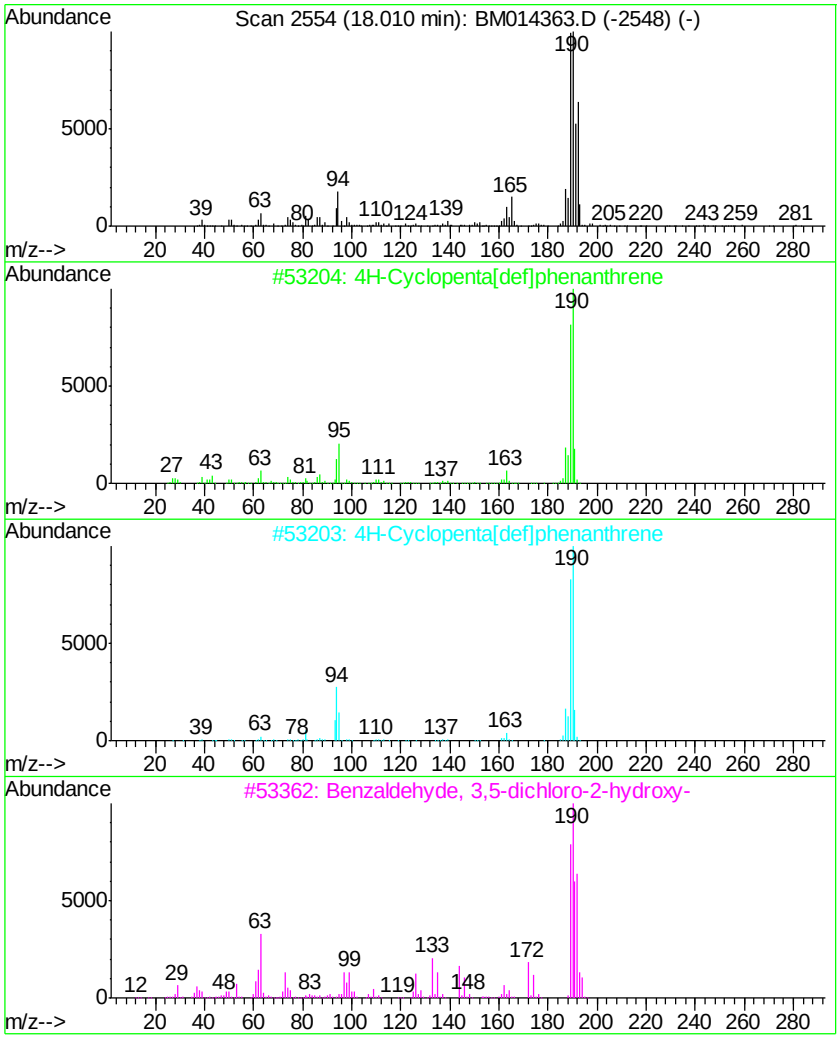
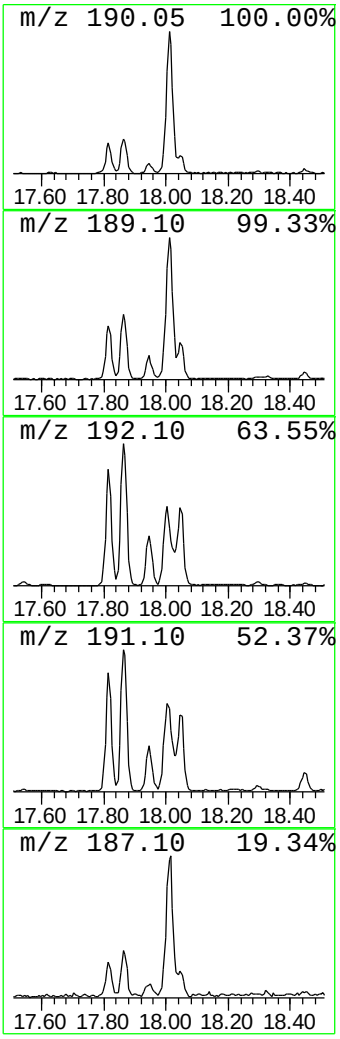
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	22.28 ng/ul	2226430	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	9-(Chloromethyl)anthracene	226	C15H11Cl	024463-19-2	47





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Quant Title : SVOA CALIBRATION

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

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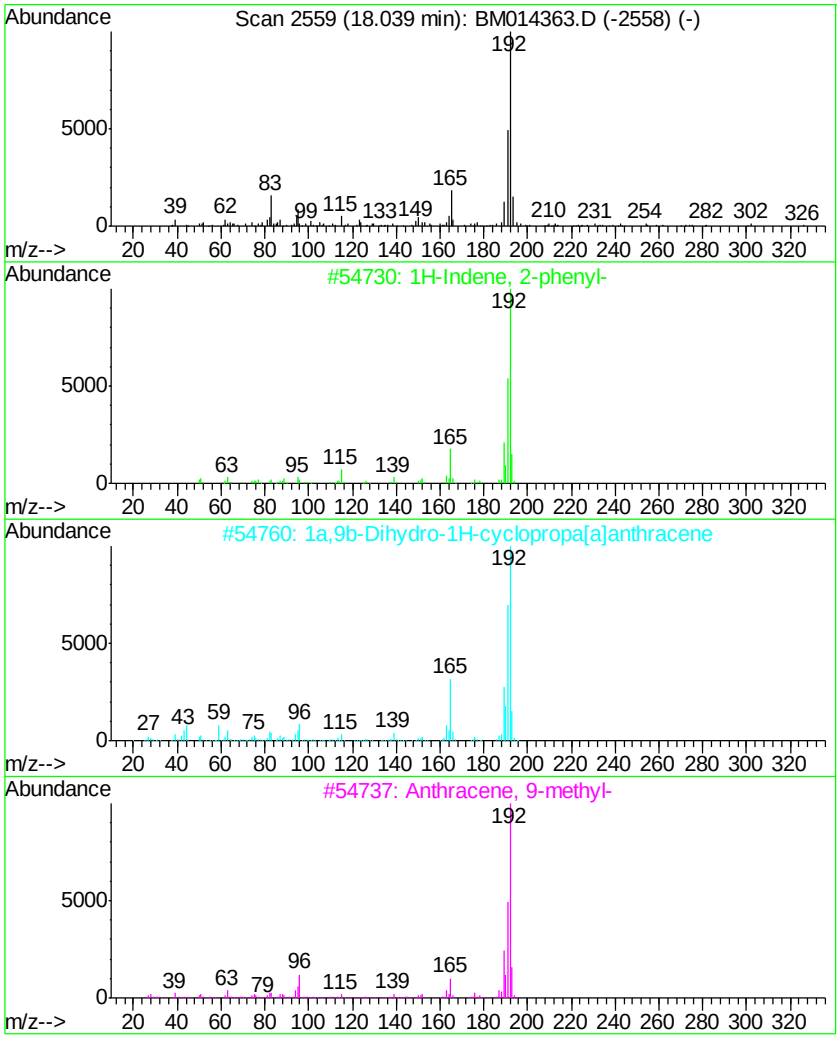
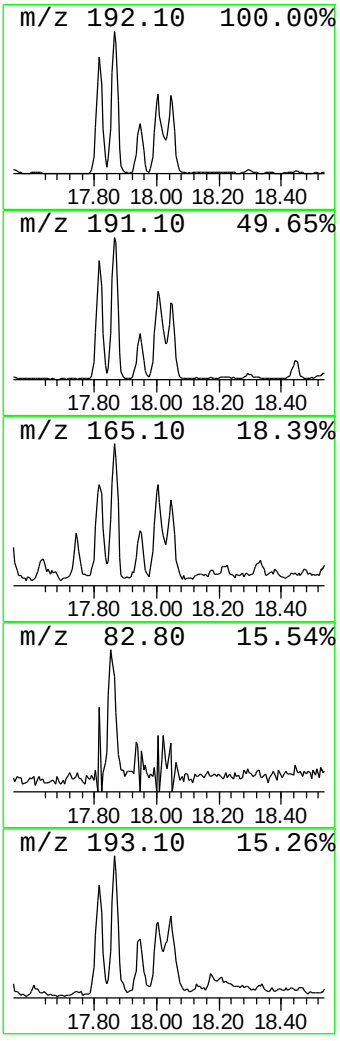
Peak Number 20 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	8.65 ng/ul	863975	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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

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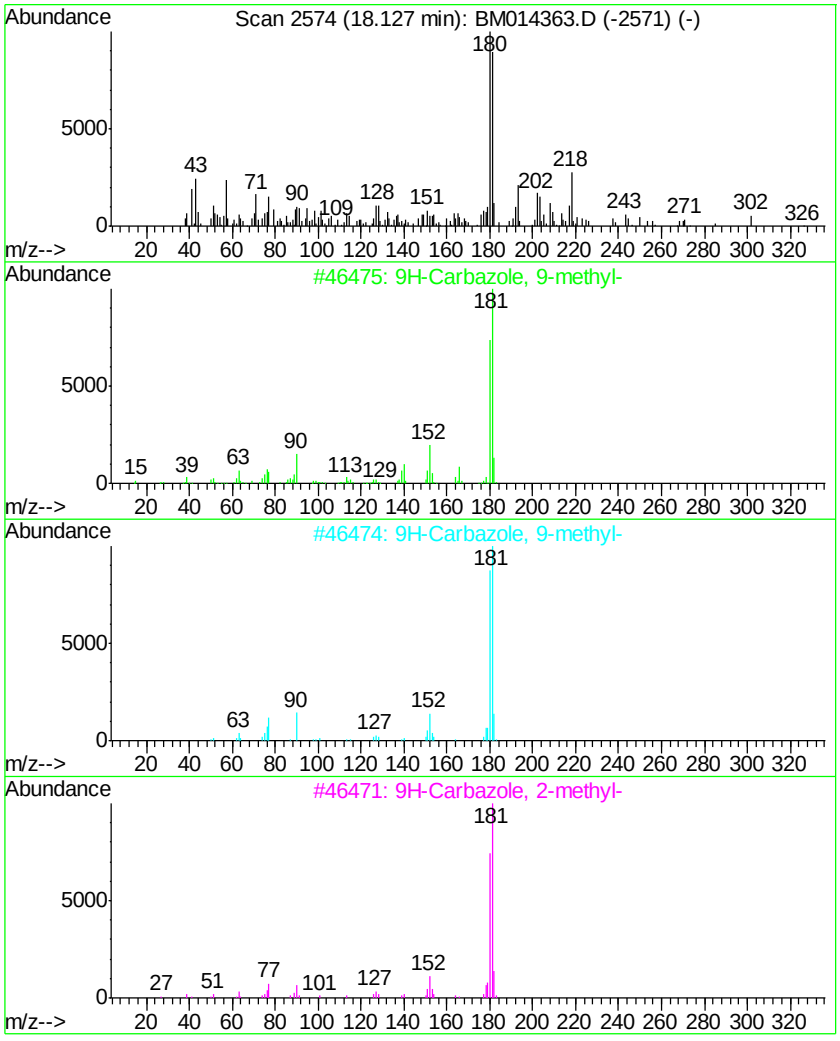
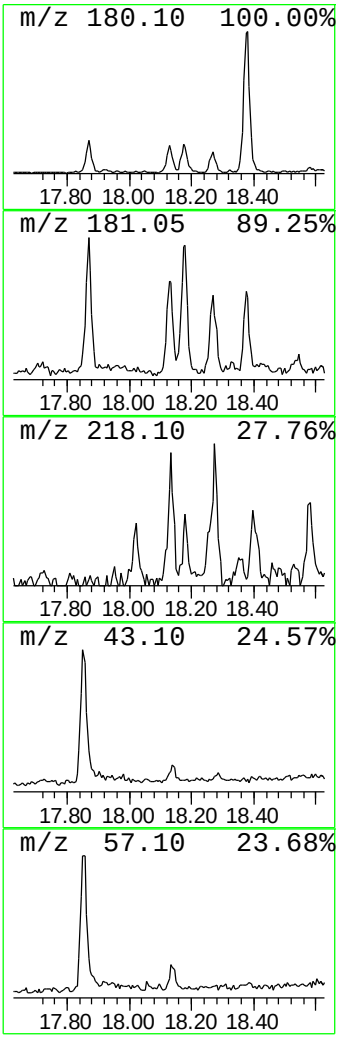
Peak Number 21 9H-Carbazole, 9-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.43 ng/ul	242806	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	70
2	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	70
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	55
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	55
5	3-Methylcarbazole	181	C13H11N	004630-20-0	55





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

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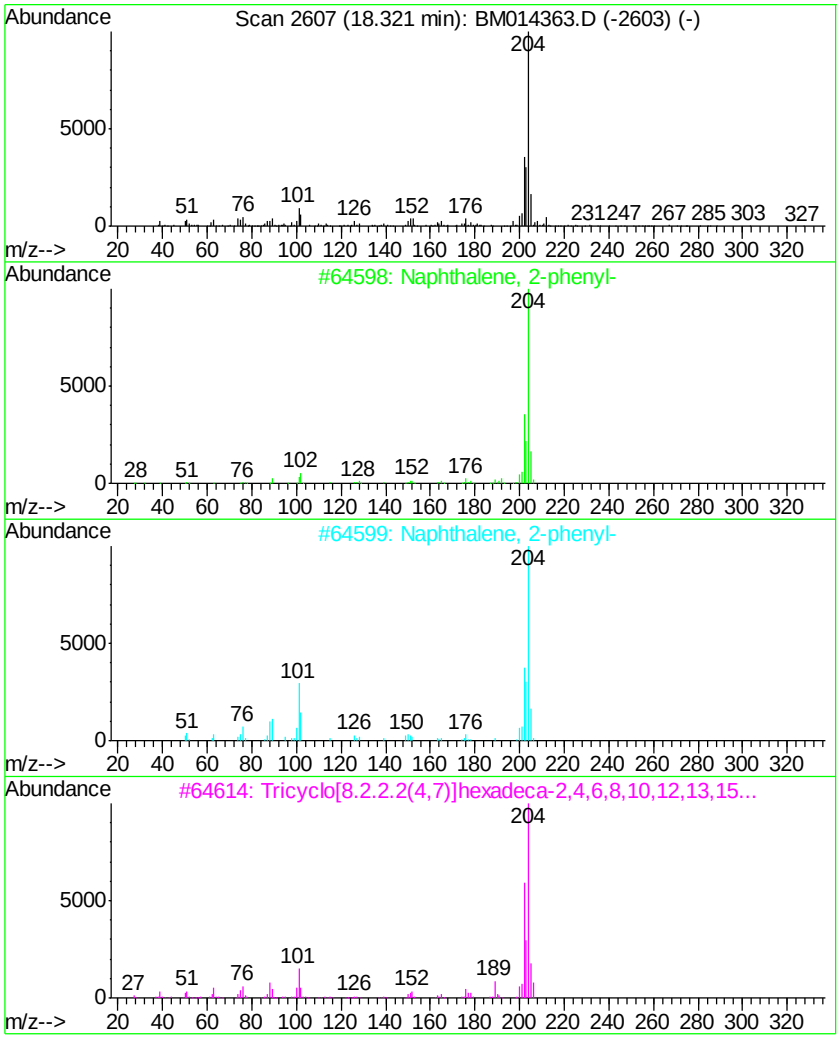
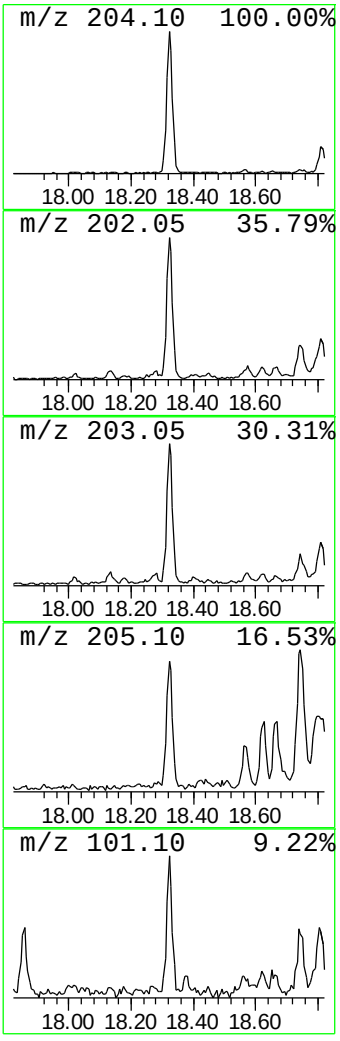
Peak Number 22 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	7.99 ng/ul	798379	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





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Quant Title : SVOA CALIBRATION

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

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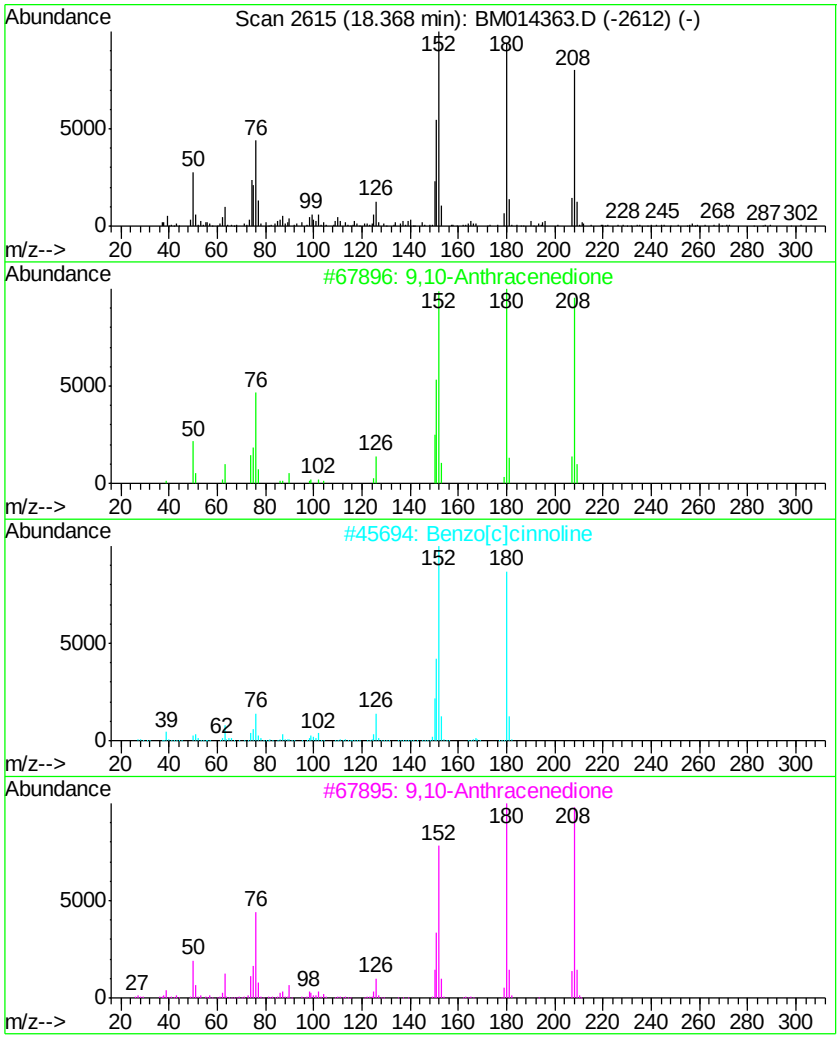
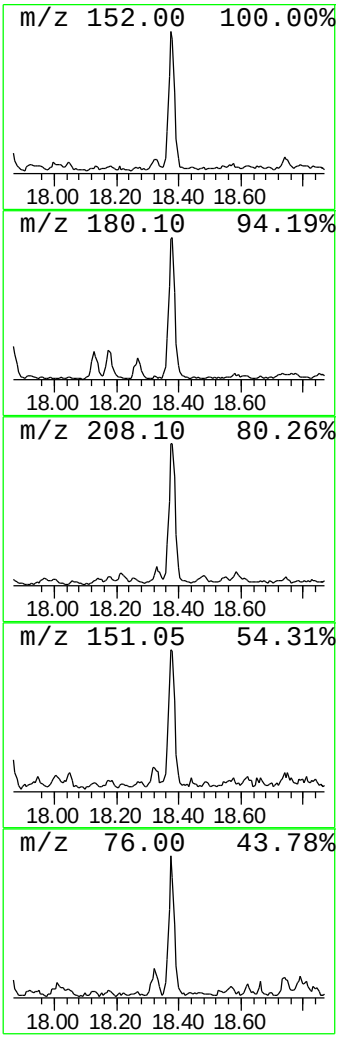
Peak Number 23 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	9.84 ng/ul	983026	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86





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

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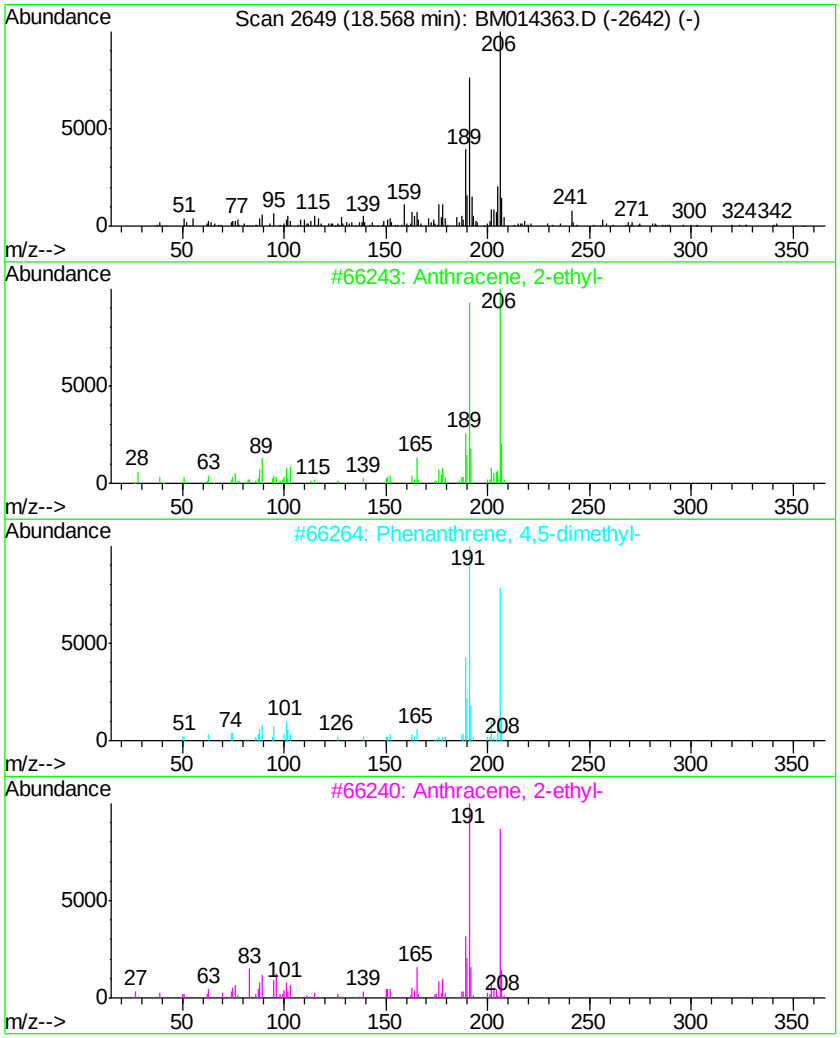
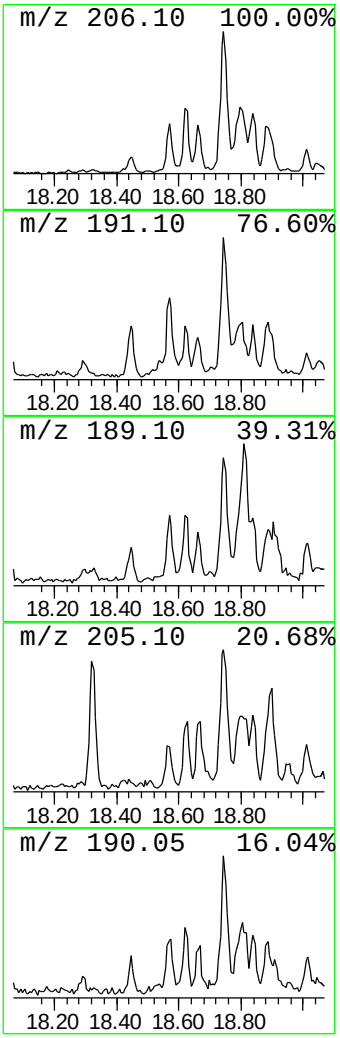
Peak Number 24 Anthracene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.29 ng/ul	528519	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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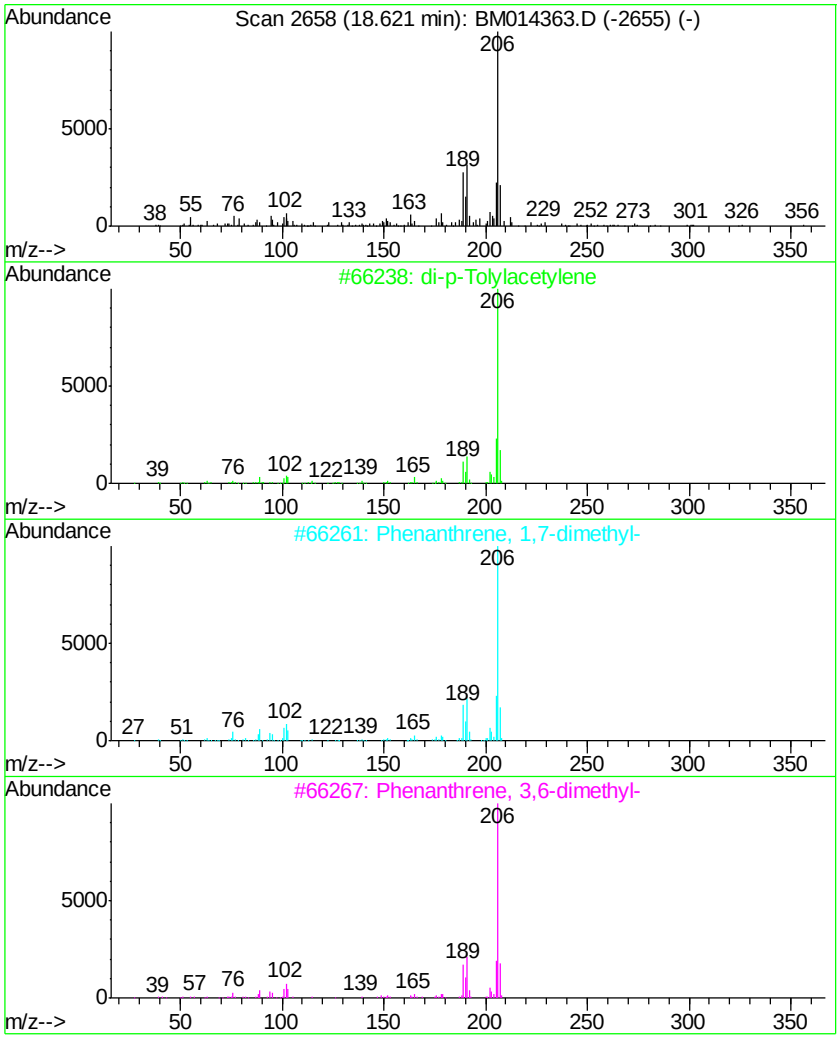
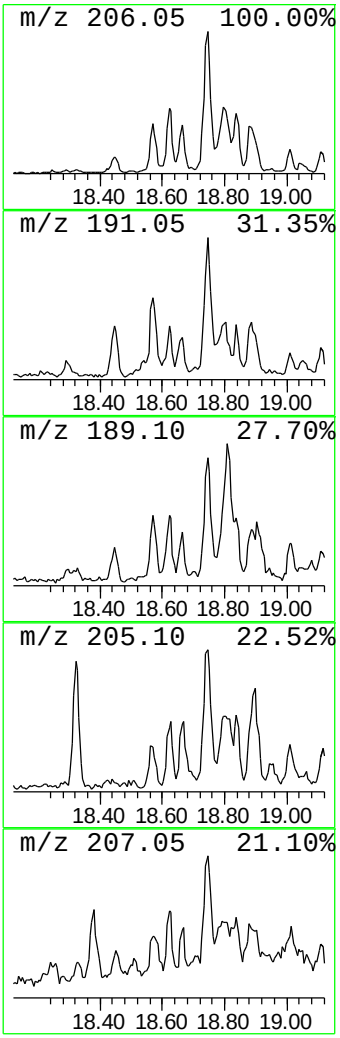
Peak Number 25 di-p-Tolylacetylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.22 ng/ul	321571	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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

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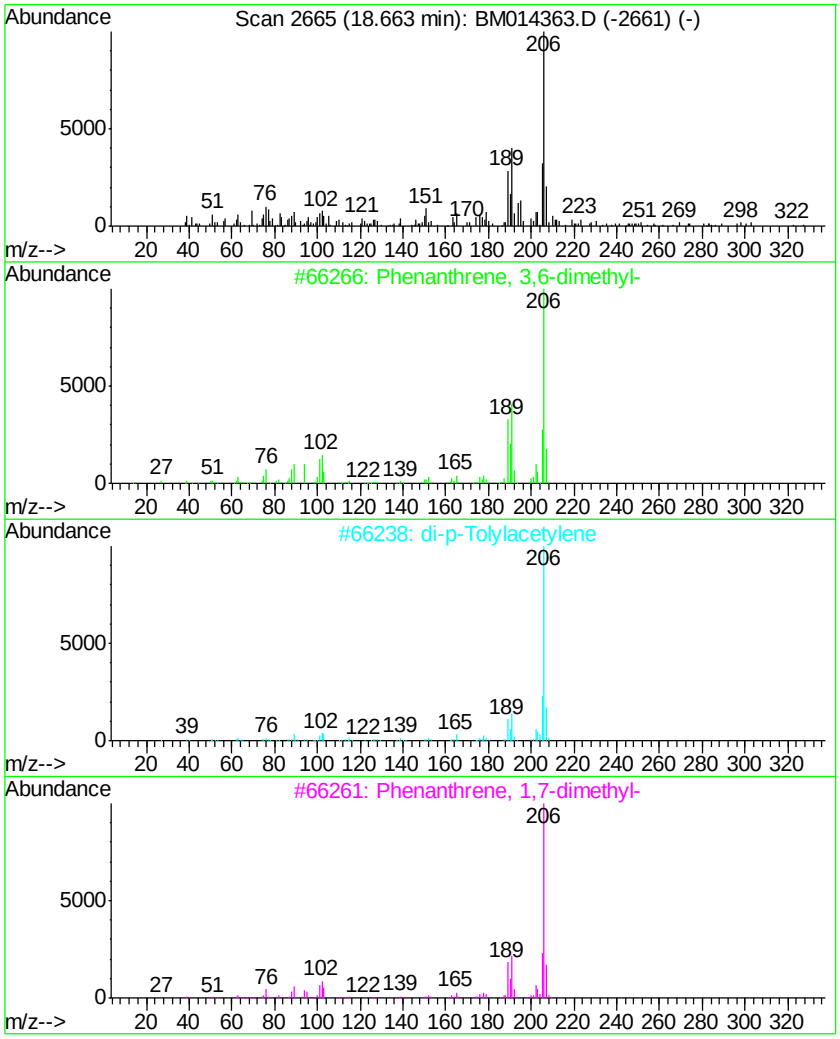
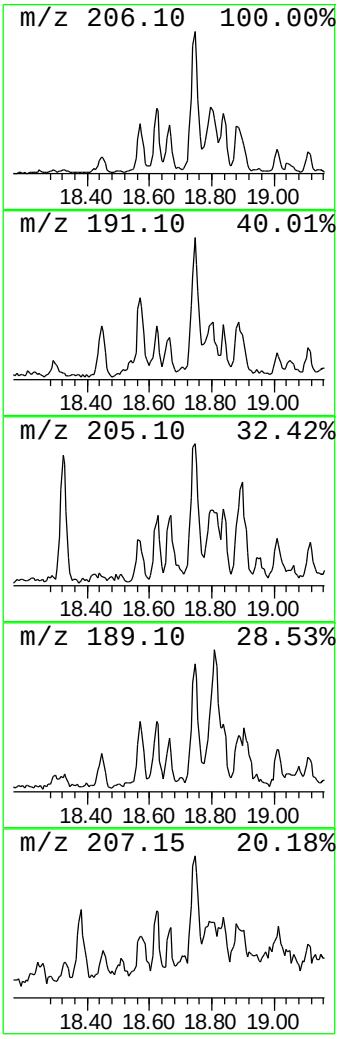
Peak Number 26 Phenanthrene, 3,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.17 ng/ul	316608	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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TIC Integration Parameters: LSCINT.P

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Peak Number 28 Phenanthrene, 1,7-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.23 ng/ul	223336	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	51
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	51
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	50
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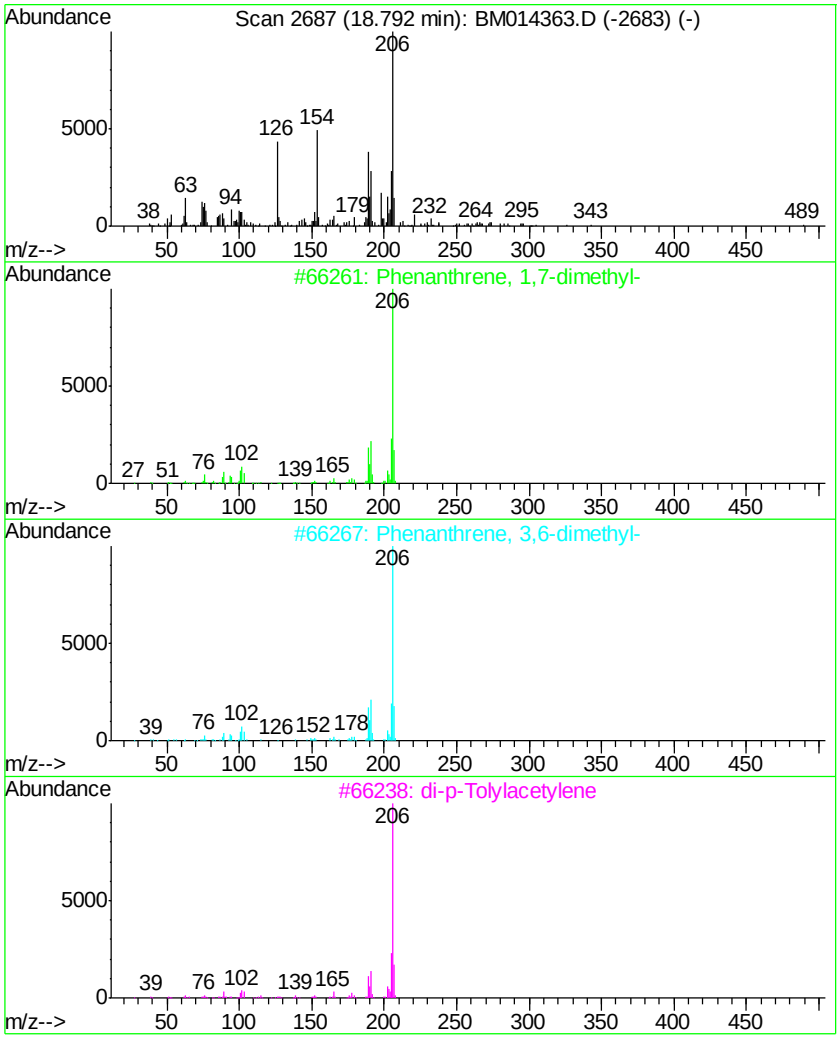

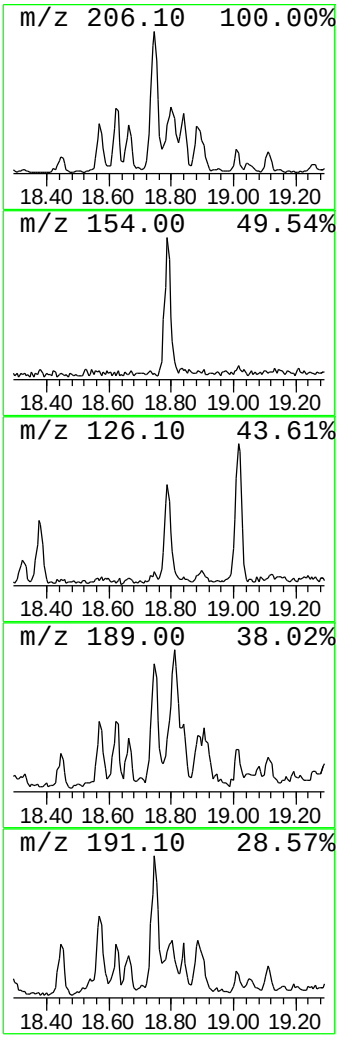

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Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

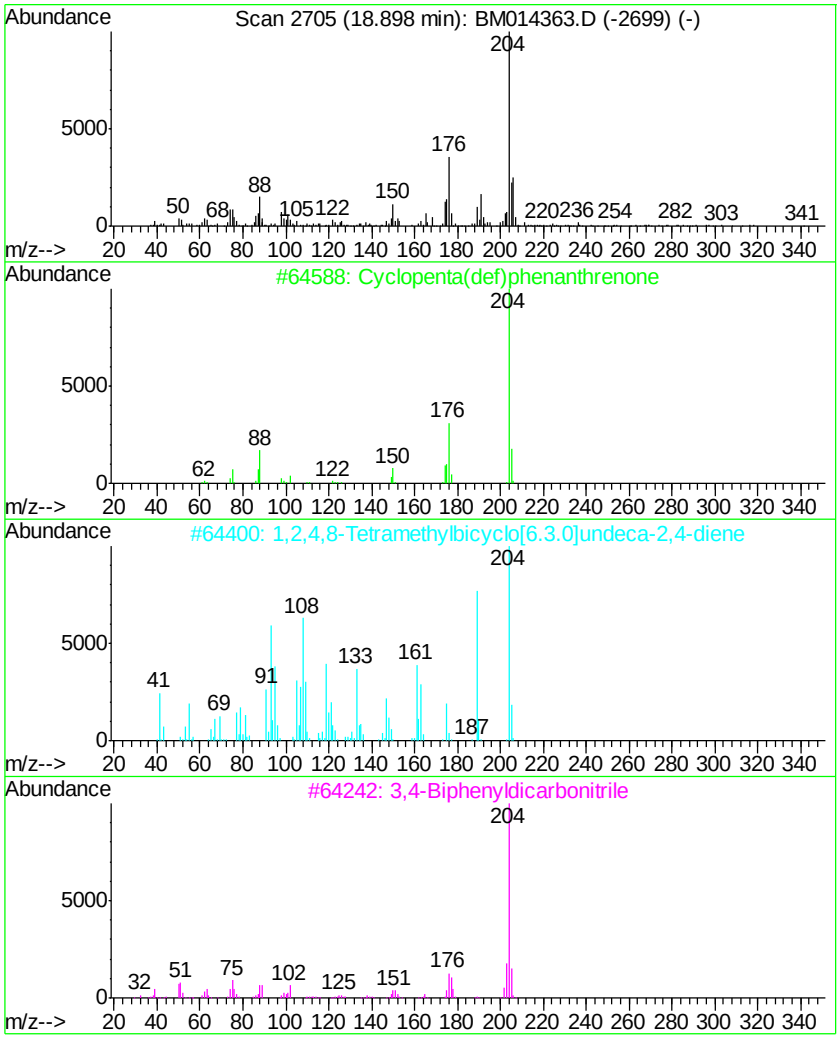
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

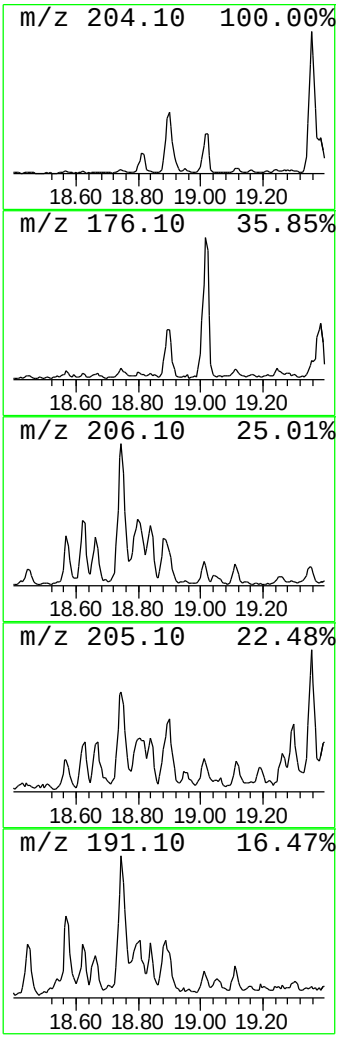
****

Peak Number 30 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	10.22 ng/ul	1021660	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Library Search Compound Report

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Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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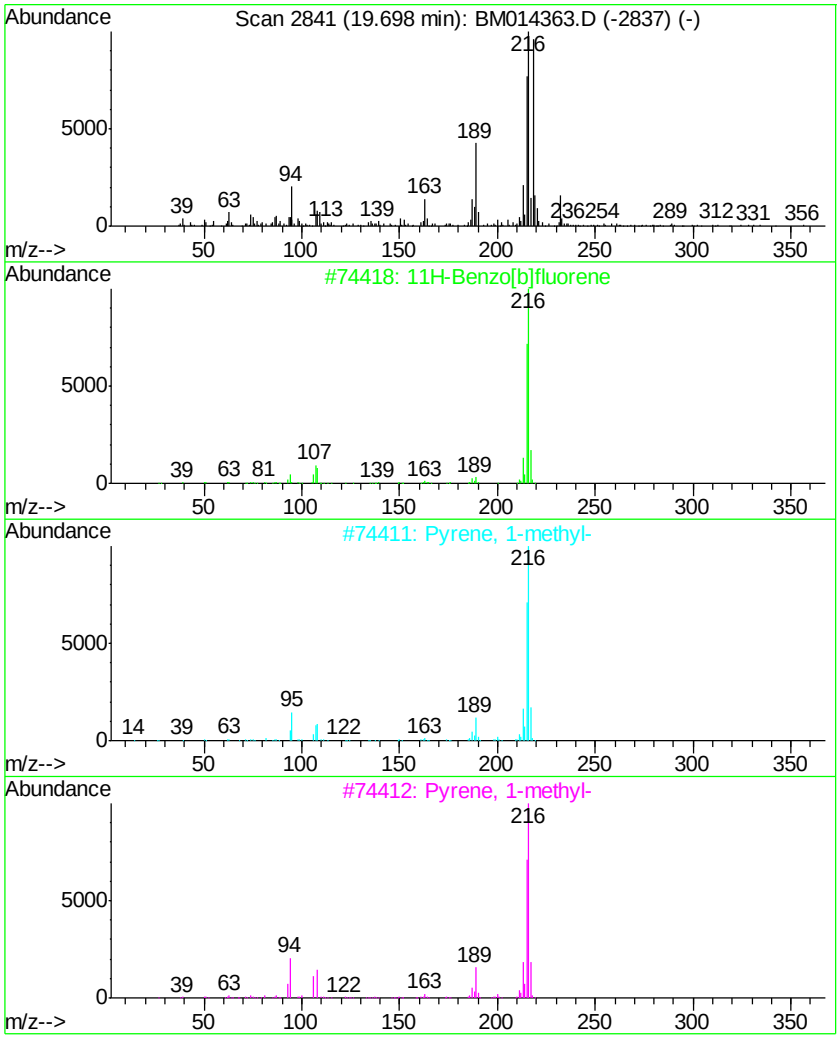
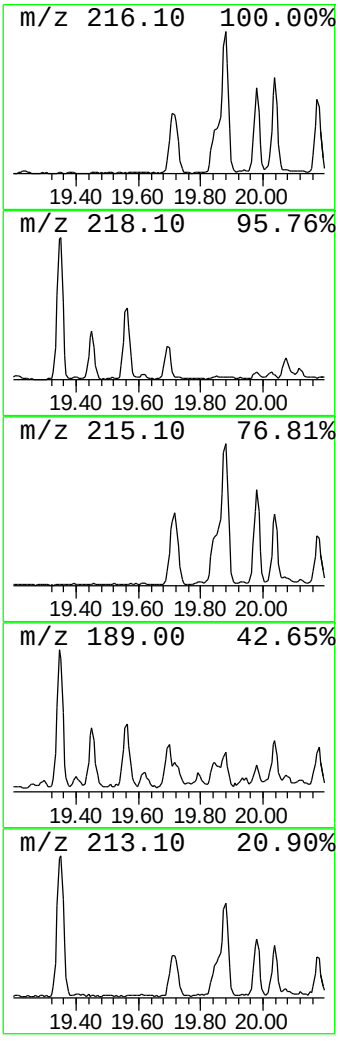
Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.61 ng/ul	1412500	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78





Library Search Compound Report

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Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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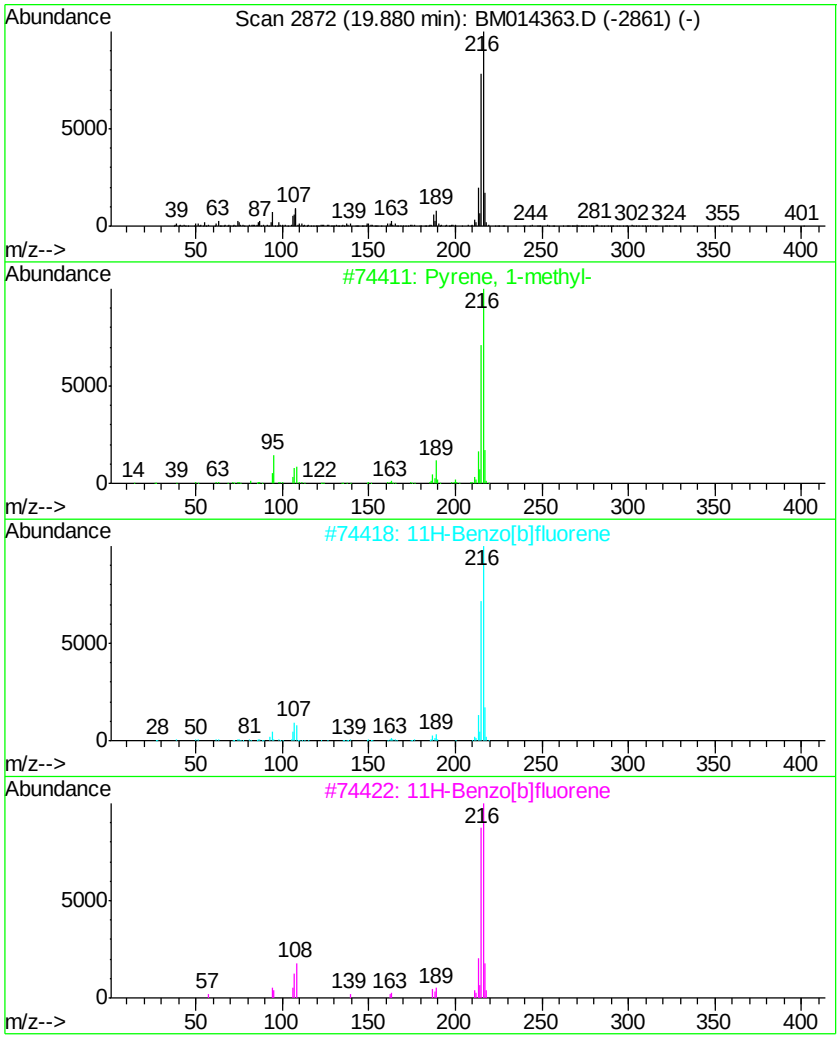
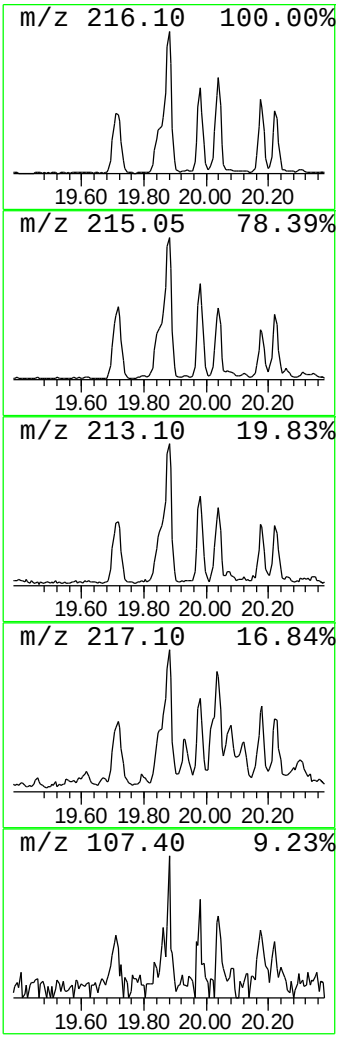
Peak Number 32 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	5.06 ng/ul	2736540	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

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Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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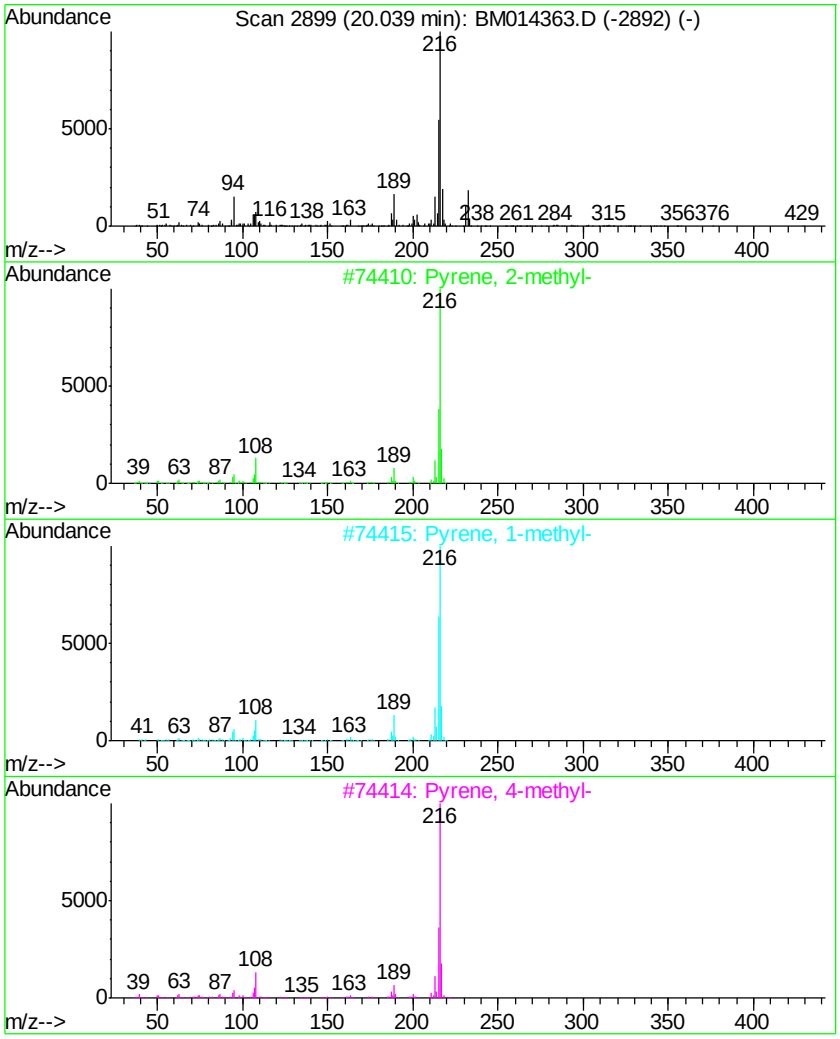
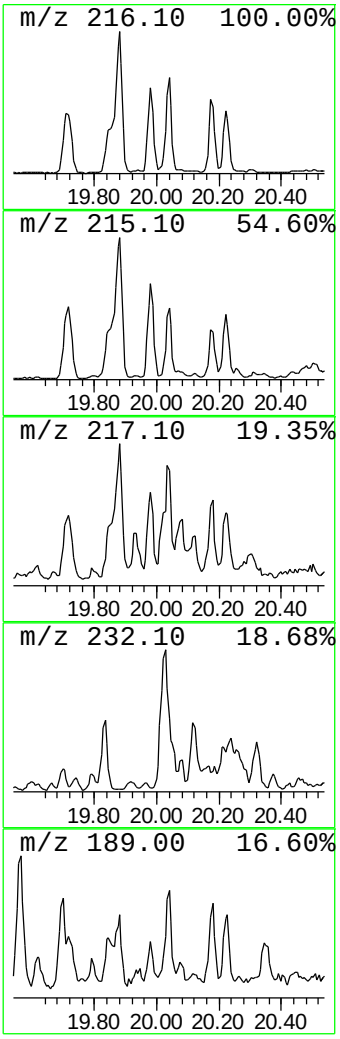
Peak Number 33 Pyrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.67 ng/ul	1441830	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





Library Search Compound Report

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Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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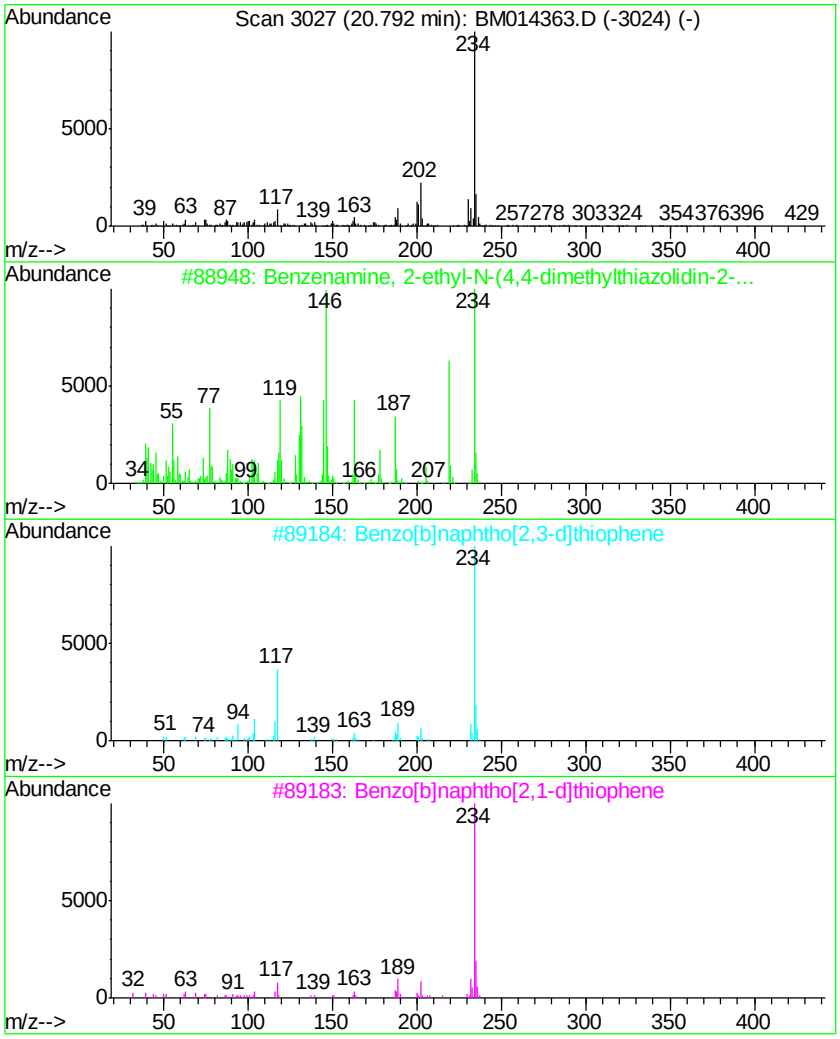
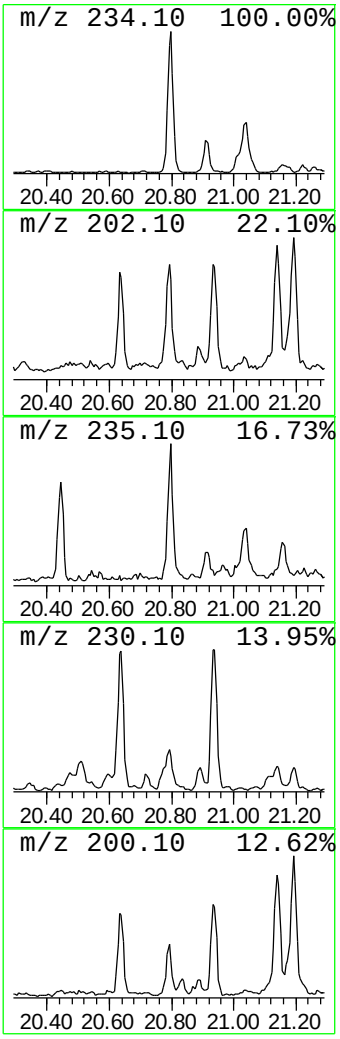
Peak Number 34 Benzenamine, 2-ethyl-N-(4,4... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	2.28 ng/ul	1233050	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	87
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	62





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Data File : BM014363.D
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Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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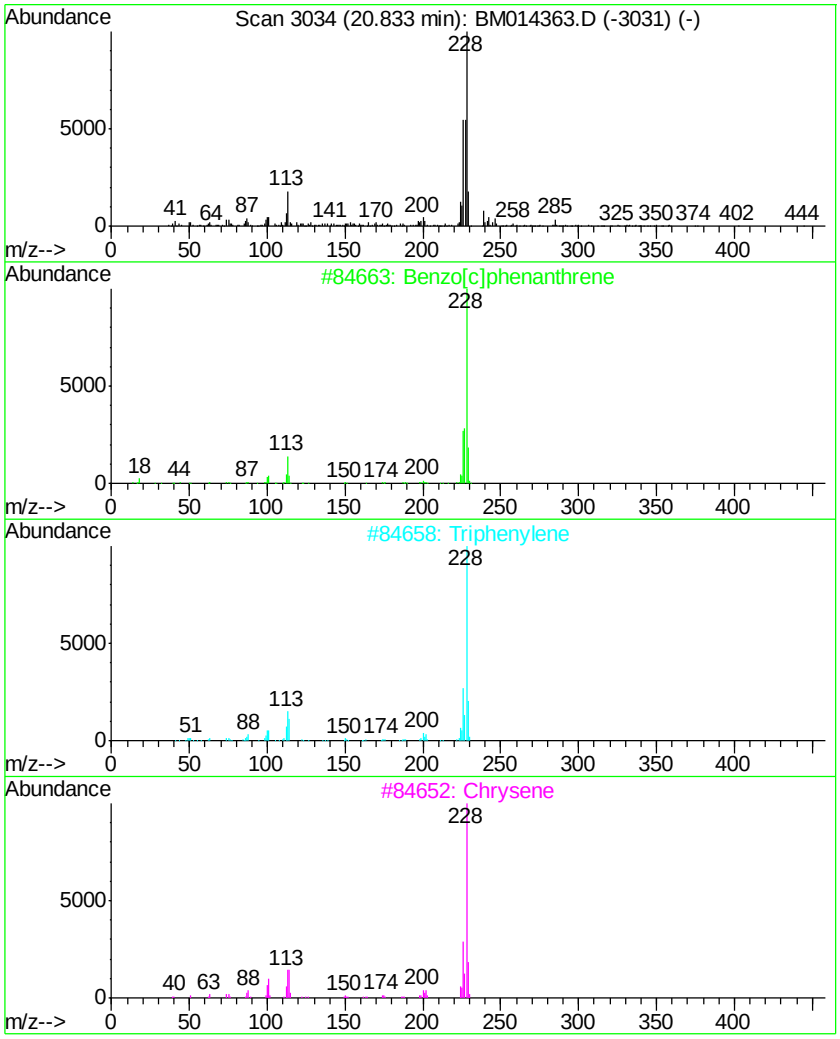
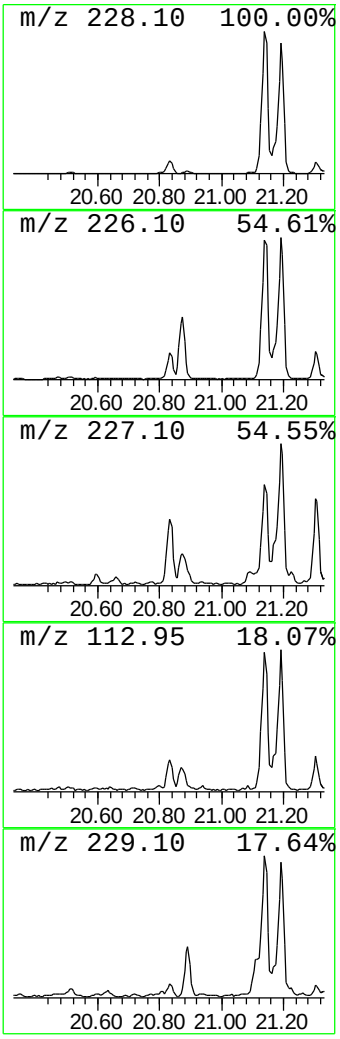
Peak Number 35 Benzo[c]phenanthrene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.14 ng/ul	1159610	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2	Triphenylene	228	C18H12	000217-59-4	55
3	Chrysene	228	C18H12	000218-01-9	55
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
5	Triphenylene	228	C18H12	000217-59-4	46





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014363.D
Acq On : 26 Feb 2018 19:12
Operator : SJ/JU
Sample : J1631-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
3-Tetradecene, (Z)-	11.56	2.2	ng/ul	167207	2	10.29	1542800	20.0
1,4-Methanonaphth...	12.19	3.0	ng/ul	231031	2	10.29	1542800	20.0
Naphthalene, 1,7-...	13.50	3.1	ng/ul	281495	3	14.18	1805470	20.0
Naphthalene, 2,3,...	14.81	2.5	ng/ul	222256	3	14.18	1805470	20.0
(DEL) Alkane: Str...	15.05	2.0	ng/ul	182484	3	14.18	1805470	20.0
2,4,6-Cycloheptat...	15.53	3.6	ng/ul	321956	3	14.18	1805470	20.0
Dibenzofuran, 4-m...	15.69	3.9	ng/ul	387839	4	16.94	1998650	20.0
(DEL) Alkane: Str...	15.92	3.3	ng/ul	329559	4	16.94	1998650	20.0
9H-Fluorene, 1-me...	16.25	3.4	ng/ul	340248	4	16.94	1998650	20.0
9H-Fluoren-9-one	16.60	5.5	ng/ul	554674	4	16.94	1998650	20.0
Dibenzothiophene	16.76	7.2	ng/ul	714319	4	16.94	1998650	20.0
9H-Fluorene, 2,3-...	17.15	2.9	ng/ul	288602	4	16.94	1998650	20.0
Dibenzo[a,e]cyclo...	17.46	2.6	ng/ul	261333	4	16.94	1998650	20.0
4-Methylnaphtho[1...	17.52	4.0	ng/ul	394477	4	16.94	1998650	20.0
.alpha.-[1-Indany...	17.66	2.1	ng/ul	210213	4	16.94	1998650	20.0
Phenanthrene, 1-m...	17.82	13.6	ng/ul	1363420	4	16.94	1998650	20.0
Phenanthrene, 2-m...	17.94	5.9	ng/ul	587447	4	16.94	1998650	20.0
4H-Cyclopenta[def...	18.01	22.3	ng/ul	2226430	4	16.94	1998650	20.0
1H-Indene, 2-phenyl-	18.04	8.7	ng/ul	863975	4	16.94	1998650	20.0
9H-Carbazole, 9-m...	18.13	2.4	ng/ul	242806	4	16.94	1998650	20.0
Naphthalene, 2-ph...	18.32	8.0	ng/ul	798379	4	16.94	1998650	20.0
9,10-Anthracenedione	18.37	9.8	ng/ul	983026	4	16.94	1998650	20.0
Anthracene, 2-ethyl-	18.57	5.3	ng/ul	528519	4	16.94	1998650	20.0
di-p-Tolylacetylene	18.62	3.2	ng/ul	321571	4	16.94	1998650	20.0
Phenanthrene, 3,6...	18.66	3.2	ng/ul	316608	4	16.94	1998650	20.0
Phenanthrene, 1,7...	18.79	2.2	ng/ul	223336	4	16.94	1998650	20.0
Cyclopenta(def)ph...	18.90	10.2	ng/ul	1021660	4	16.94	1998650	20.0
11H-Benzo[b]fluorene	19.70	2.6	ng/ul	1412500	5	21.16	10818900	20.0
Pyrene, 1-methyl-	19.88	5.1	ng/ul	2736540	5	21.16	10818900	20.0
Pyrene, 2-methyl-	20.04	2.7	ng/ul	1441830	5	21.16	10818900	20.0
Benzenamine, 2-et...	20.79	2.3	ng/ul	1233050	5	21.16	10818900	20.0
Benzo[c]phenanthrene	20.83	2.1	ng/ul	1159610	5	21.16	10818900	20.0