LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

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-BM041416.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.051	58	62	68	rVB	36919	42870	1.70%	0.159%
2	6.969	723	728	737	rBV	112007	177644	7.06%	0.660%
3	7.139	751	757	767	rBB	98437	150522	5.98%	0.559%
4	7.339	785	791	799	rBV	120665	187688	7.46%	0.697%
5	7.804	864	870	880	rBB	196682	320810	12.75%	1.191%
6	8.504	983	989	1002	rBV	141168	225269	8.95%	0.837%
7	8.963	1061	1067	1078	rBB	106937	177560	7.05%	0.659%
8	9.680	1184	1189	1198	rBB	86798	137935	5.48%	0.512%
9	10.216	1274	1280	1292	rBV	138182	228515	9.08%	0.849%
10	10.598	1336	1345	1348	rBV	278374	481551	19.13%	1.788%
11	10.645	1348	1353	1361	rVV	527763	910811	36.19%	3.383%
12	10.733	1362	1368	1385	rVB2	117897	246885	9.81%	0.917%
13	12.257	1621	1627	1635	rBV	372425	590915	23.48%	2.195%
14	12.474	1655	1664	1676	rBB	214962	355594	14.13%	1.321%
15	13.274	1794	1800	1807	rBV	121796	184532	7.33%	0.685%
16	13.468	1828	1833	1842	rVB	37459	61649	2.45%	0.229%
17	13.604	1849	1856	1857	rBV	74804	108685	4.32%	0.404%
18	13.762	1875	1883	1888	rBV	122104	211671	8.41%	0.786%
19	13.815	1888	1892	1894	rVV	84891	118465	4.71%	0.440%
20	13.851	1894	1898	1902	rVV	254625	362286	14.39%	1.345%
21	13.898	1902	1906	1911	rVB	54065	73962	2.94%	0.275%
22	13.998	1918	1923	1927	rBV	49778	73975	2.94%	0.275%
23	14.133	1940	1946	1957	rBV2	292521	590143	23.45%	2.192%
24	14.445	1989	1999	2004	rBV3	404819	693983	27.57%	2.577%
25	14.510	2004	2010	2018	rVB	447594	696257	27.66%	2.586%
26	14.645	2028	2033	2043	rBV2	67016	125047	4.97%	0.464%
27	14.751	2045	2051	2056	rVV2	20605	32702	1.30%	0.121%
28	14.839	2060	2066	2074	rVV	451640	692359	27.51%	2.571%
29	14.915	2074	2079	2090	rVB2	30476	55726	2.21%	0.207%
30	15.057	2095	2103	2108	rBV3	23712	40093	1.59%	0.149%
31	15.115	2108	2113	2120	rVB2	20970	30660	1.22%	0.114%
32	15.233	2126	2133	2136	rBV2	17710	31306	1.24%	0.116%
33	15.439	2159	2168	2172	rBV	385065	574297	22.82%	2.133%
34	15.492	2172	2177	2184	rVV	543307	810374	32.20%	3.010%

LSC Area Percent Report

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Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

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-BM041416.M
Title : SVOA CALIBRATION

35	15.557	2184	2188	2192	rVV	74477	110277	4.38%	0.410%
36	15.615	2195	2198	2201	rVV	34069	46740	1.86%	0.174%
37	15.651	2201	2204	2209	rVV2	59757	91863	3.65%	0.341%
38	15.698	2209	2212	2216	rVV2	19800	29863	1.19%	0.111%
39	15.739	2216	2219	2223	rVV	24842	36628	1.46%	0.136%
40	15.786	2223	2227	2233	rVB	105528	147322	5.85%	0.547%
41	15.933	2241	2252	2261	rBV	112787	236263	9.39%	0.877%
42	16.151	2283	2289	2302	rVB2	24589	48300	1.92%	0.179%
43	16.492	2336	2347	2352	rBV2	74180	142054	5.64%	0.528%
44	16.545	2352	2356	2361	rVB2	23707	34195	1.36%	0.127%
45	16.645	2367	2373	2378	rVB2	31570	50751	2.02%	0.188%
46	16.721	2378	2386	2390	rBV3	28801	55820	2.22%	0.207%
47	16.921	2414	2420	2427	rBV3	30641	78167	3.11%	0.290%
48	17.009	2429	2435	2444	rVB	136454	203046	8.07%	0.754%
49	17.192	2459	2466	2469	rBV	476681	762067	30.28%	2.830%
50	17.233	2469	2473	2478	rVV	1651771	2516926	100.00%	9.347%
51	17.286	2478	2482	2486	rVV2	437218	651697	25.89%	2.420%
52	17.321	2486	2488	2493	rVV	161577	190566	7.57%	0.708%
53	17.592	2528	2534	2546	rBV	60446	106616	4.24%	0.396%
54	17.709	2550	2554	2560	rVB2	21709	30125	1.20%	0.112%
55	18.062	2608	2614	2618	rBV	155314	220475	8.76%	0.819%
56	18.109	2618	2622	2629	rVV	208105	282003	11.20%	1.047%
57	18.192	2629	2636	2641	rVV	54536	79327	3.15%	0.295%
58	18.262	2641	2648	2652	rVV2	263954	456384	18.13%	1.695%
59	18.292	2652	2653	2662	rVB	76488	76894	3.06%	0.286%
60	18.562	2694	2699	2705	rVB	99765	131620	5.23%	0.489%
61	18.980	2764	2770	2777	rVV	43755	92831	3.69%	0.345%
62	19.050	2777	2782	2785	rVV2	34848	70663	2.81%	0.262%
63	19.121	2789	2794	2804	rVB4	17457	45534	1.81%	0.169%
64	19.250	2809	2816	2823	rBV	1112502	1608252	63.90%	5.973%
65	19.397	2836	2841	2845	rBV	25685	36327	1.44%	0.135%
66	19.492	2851	2857	2861	rBV	35180	54867	2.18%	0.204%
67	19.580	2866	2872	2875	rBV2	680770	1078389	42.85%	4.005%
68	19.609	2875	2877	2886	rVV	774535	1077322	42.80%	4.001%
69	19.680	2886	2889	2896	rVB3	45105	72857	2.89%	0.271%
70	19.792	2899	2908	2914	rVB	49731	73135	2.91%	0.272%
71	19.933	2926	2932	2939	rBV4	48660	123198	4.89%	0.458%

LSC Area Percent Report

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Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

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-BM041416.M
Title : SVOA CALIBRATION

72	19.992	2939	2942	2949	rVV	24827	32623	1.30%	0.121%
73	20.109	2949	2962	2967	rVV2	157354	297496	11.82%	1.105%
74	20.209	2974	2979	2983	rBV2	165883	225093	8.94%	0.836%
75	20.262	2983	2988	2992	rVV2	68007	126031	5.01%	0.468%
76	20.403	3008	3012	3016	rBV	24622	30528	1.21%	0.113%
77	20.450	3016	3020	3024	rBV3	29403	42550	1.69%	0.158%
78	20.615	3044	3048	3057	rBV3	40693	76991	3.06%	0.286%
79	20.815	3078	3082	3087	rBV	22600	43593	1.73%	0.162%
80	21.021	3113	3117	3120	rBV	36320	45388	1.80%	0.169%
81	21.080	3120	3127	3136	rVV4	139608	319312	12.69%	1.186%
82	21.262	3151	3158	3160	rBV	15505	32746	1.30%	0.122%
83	21.374	3166	3177	3181	rBV2	798696	1468971	58.36%	5.455%
84	21.409	3181	3183	3191	rVB	190427	259310	10.30%	0.963%
85	21.521	3198	3202	3211	rVB2	95688	153106	6.08%	0.569%
86	21.691	3226	3231	3237	rBV2	34867	58459	2.32%	0.217%
87	21.933	3265	3272	3273	rBV3	40875	60618	2.41%	0.225%
88	21.956	3273	3276	3280	rVB	61600	76545	3.04%	0.284%
89	22.091	3295	3299	3303	rVB2	22476	29114	1.16%	0.108%
90	22.168	3309	3312	3317	rVB2	30948	44369	1.76%	0.165%
91	22.427	3351	3356	3362	rBV	68958	102438	4.07%	0.380%
92	22.974	3439	3449	3454	rBV2	121157	356515	14.16%	1.324%
93	23.150	3474	3479	3485	rBV	28598	47662	1.89%	0.177%
94	23.462	3526	3532	3535	rBV	54920	98915	3.93%	0.367%
95	23.515	3535	3541	3546	rVV2	371156	723196	28.73%	2.686%
96	23.562	3546	3549	3558	rVB	103727	174510	6.93%	0.648%
97	23.662	3558	3566	3573	rBV2	441692	886993	35.24%	3.294%
98	24.179	3649	3654	3659	rVB2	19868	37170	1.48%	0.138%
99	24.944	3780	3784	3792	rVB4	16668	34751	1.38%	0.129%
100	25.973	3951	3959	3971	rVB3	28784	89725	3.56%	0.333%

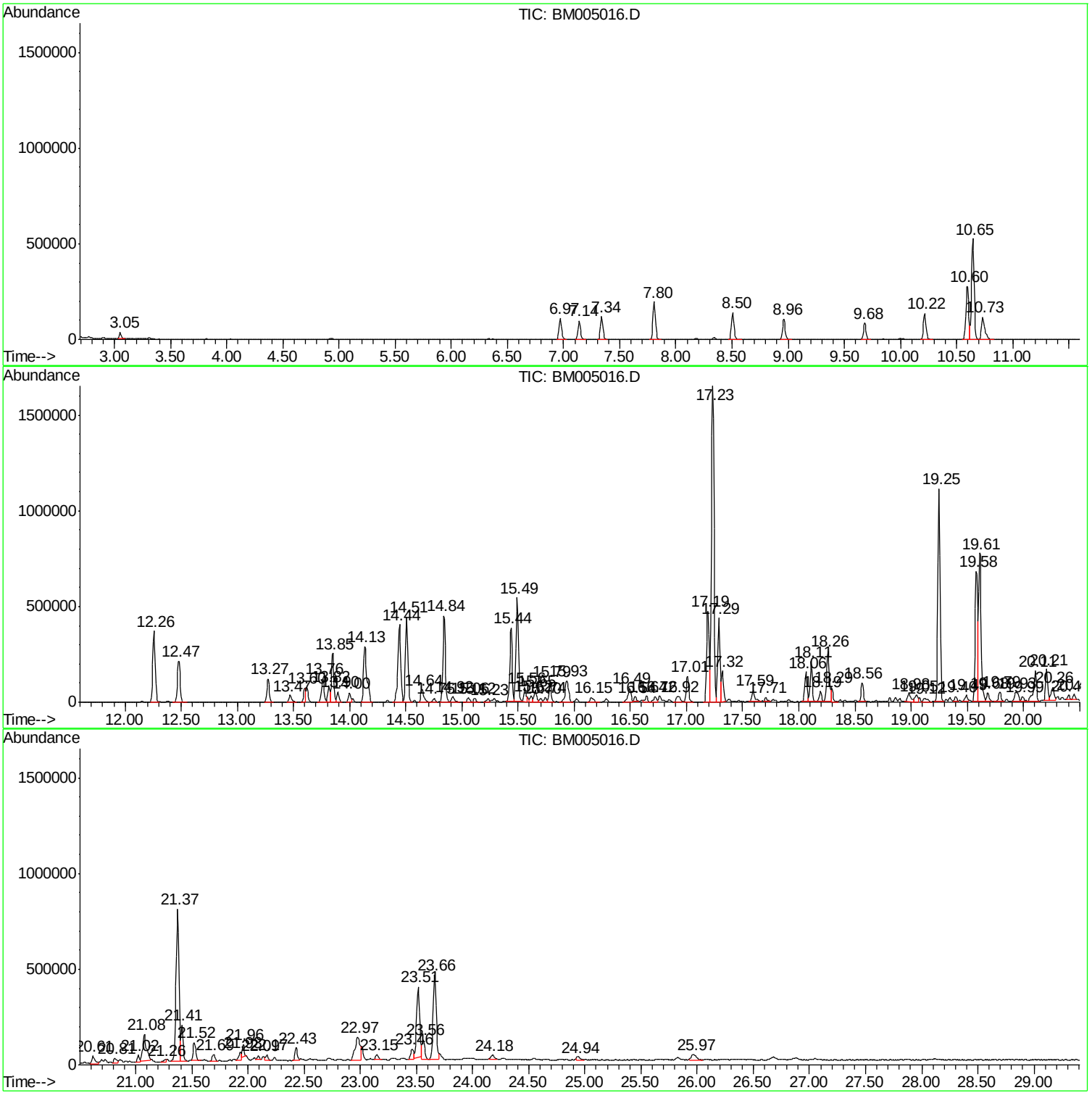
Sum of corrected areas: 26926823

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

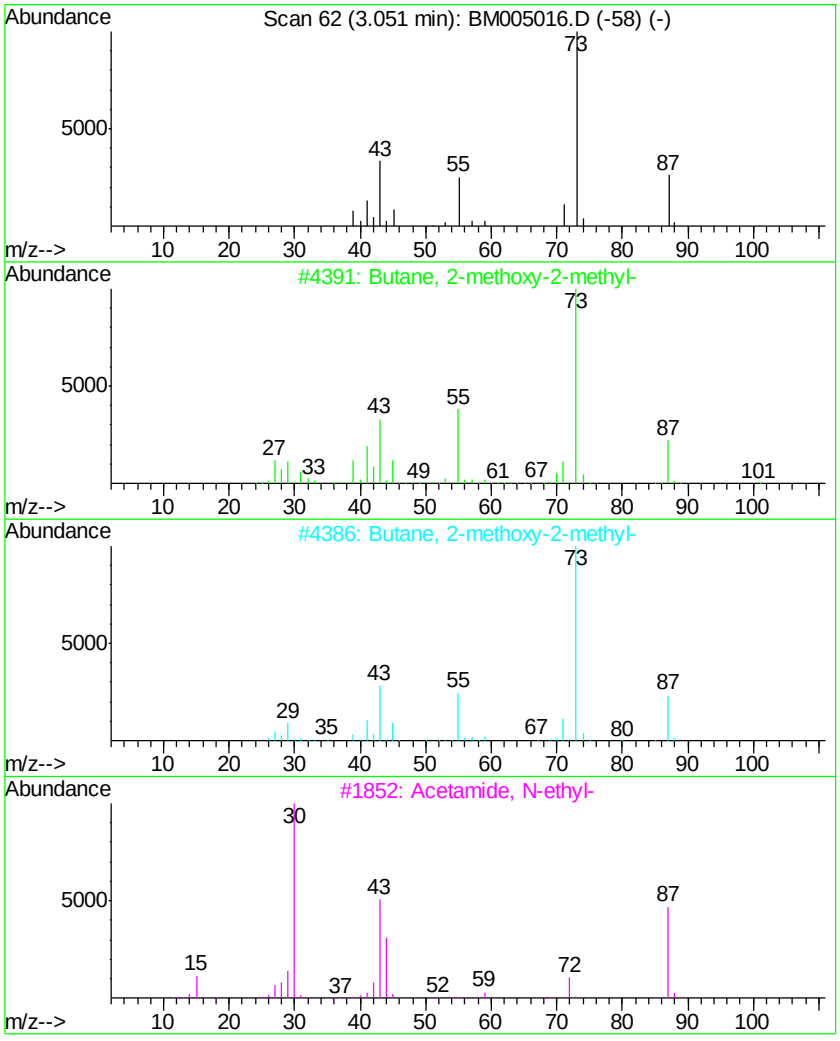
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

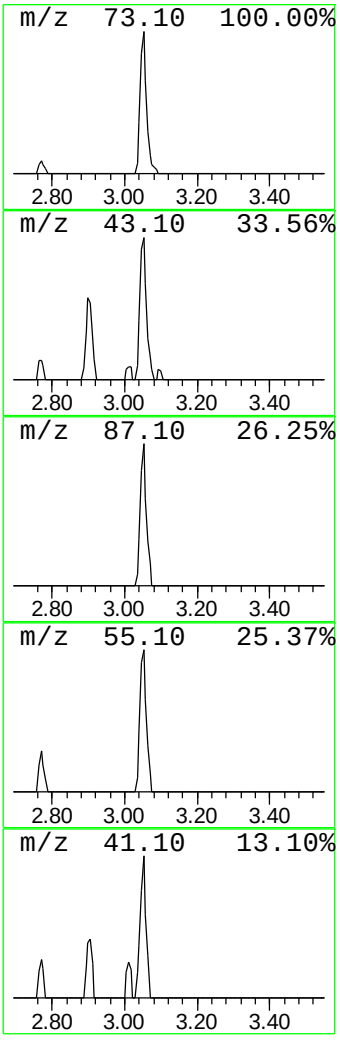
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	2.67 ng/ul	42870	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

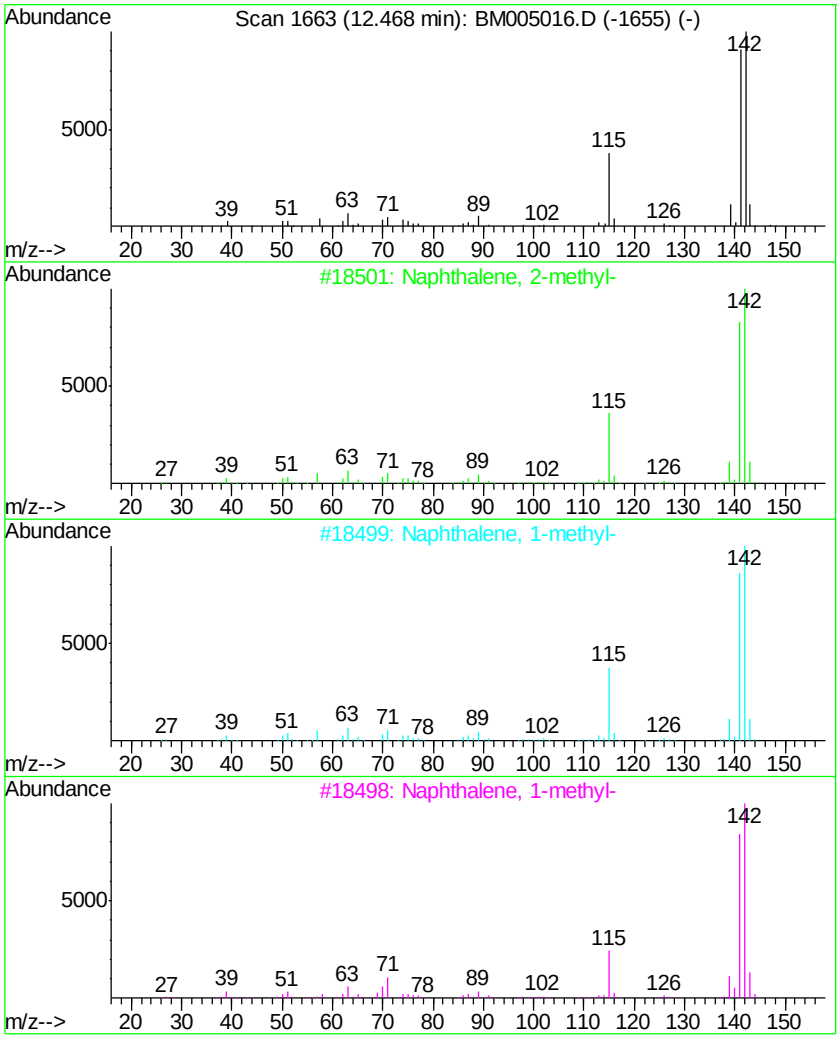
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

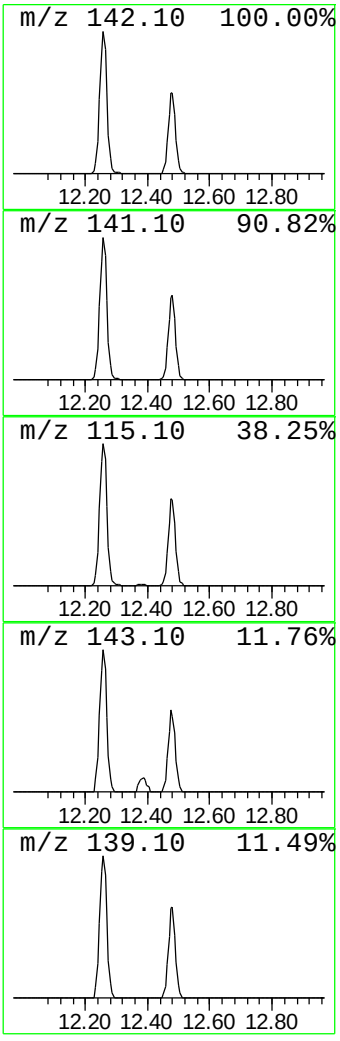
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	14.77 ng/ul	355594	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
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Sample : H2567-30
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

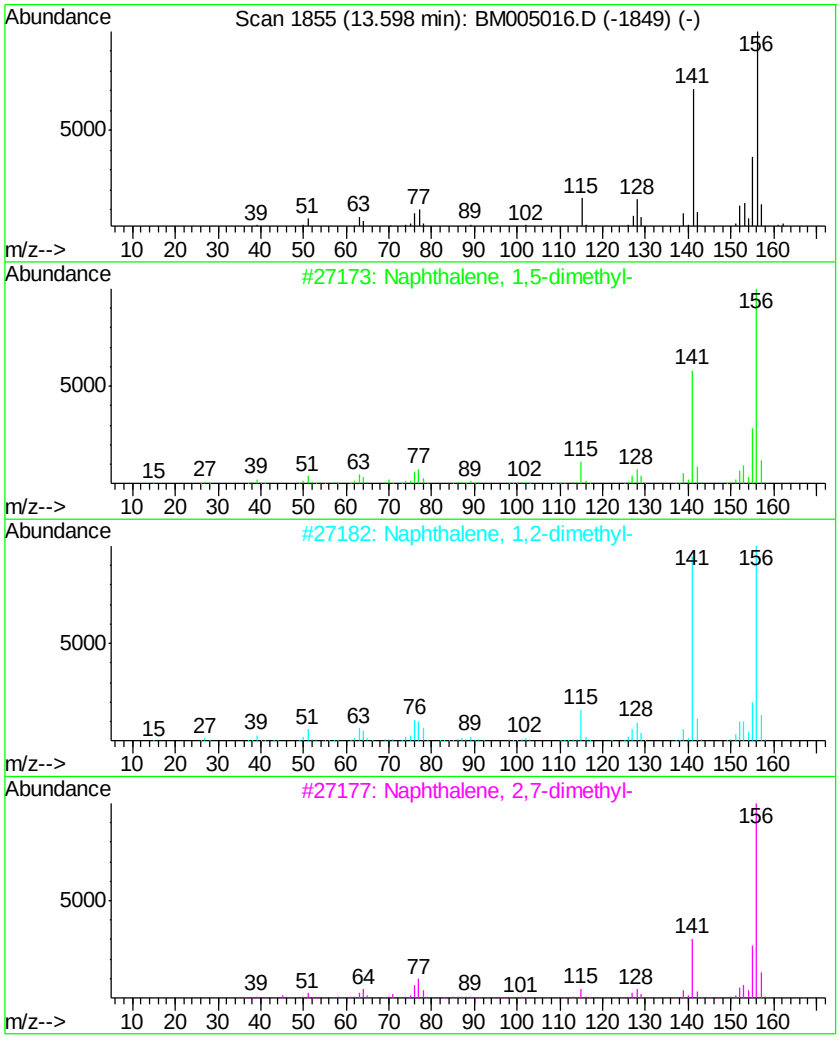
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

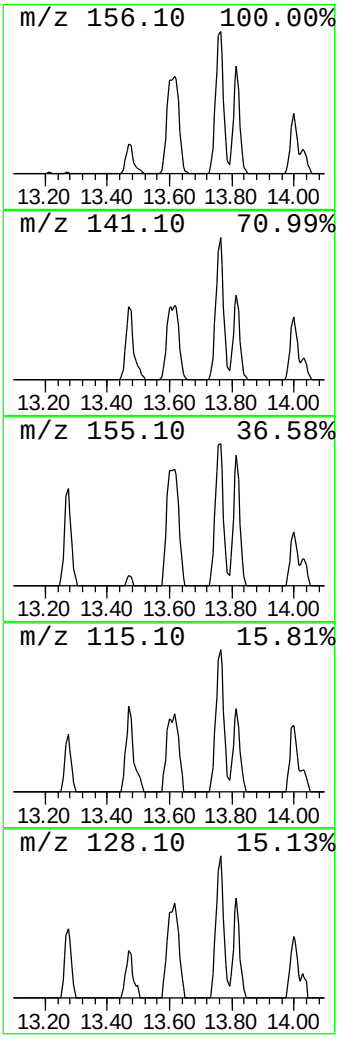
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.13 ng/ul	108685	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

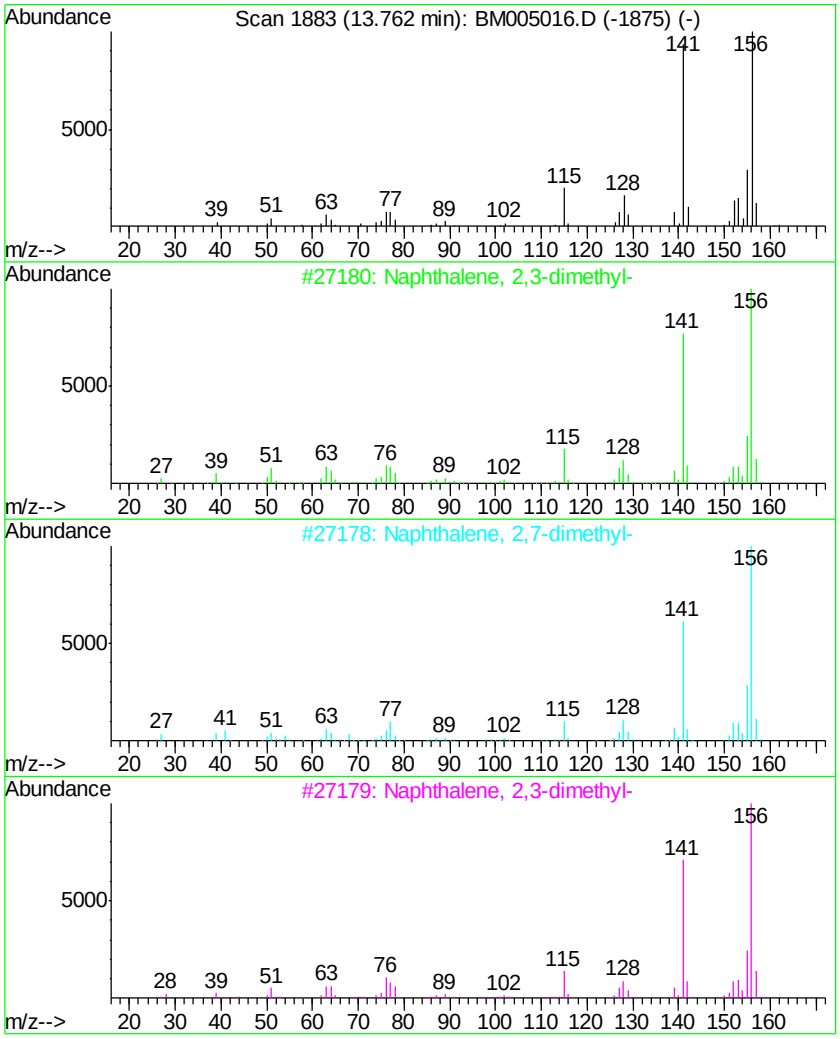
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

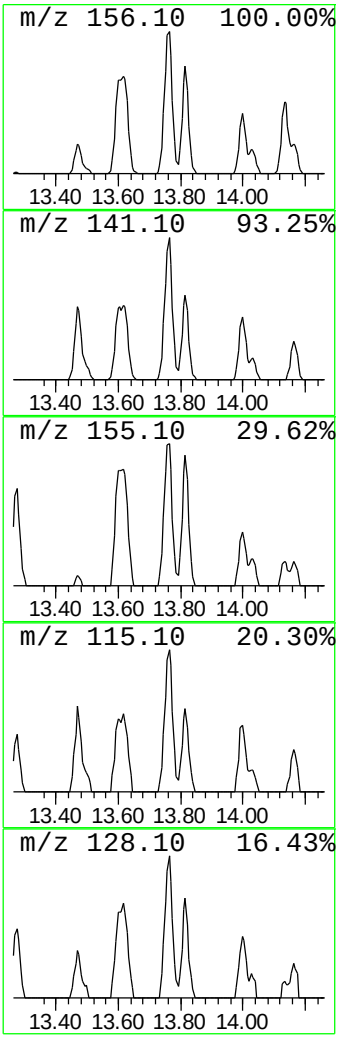
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.10 ng/ul	211671	Acenaphthene-d10	14.44

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

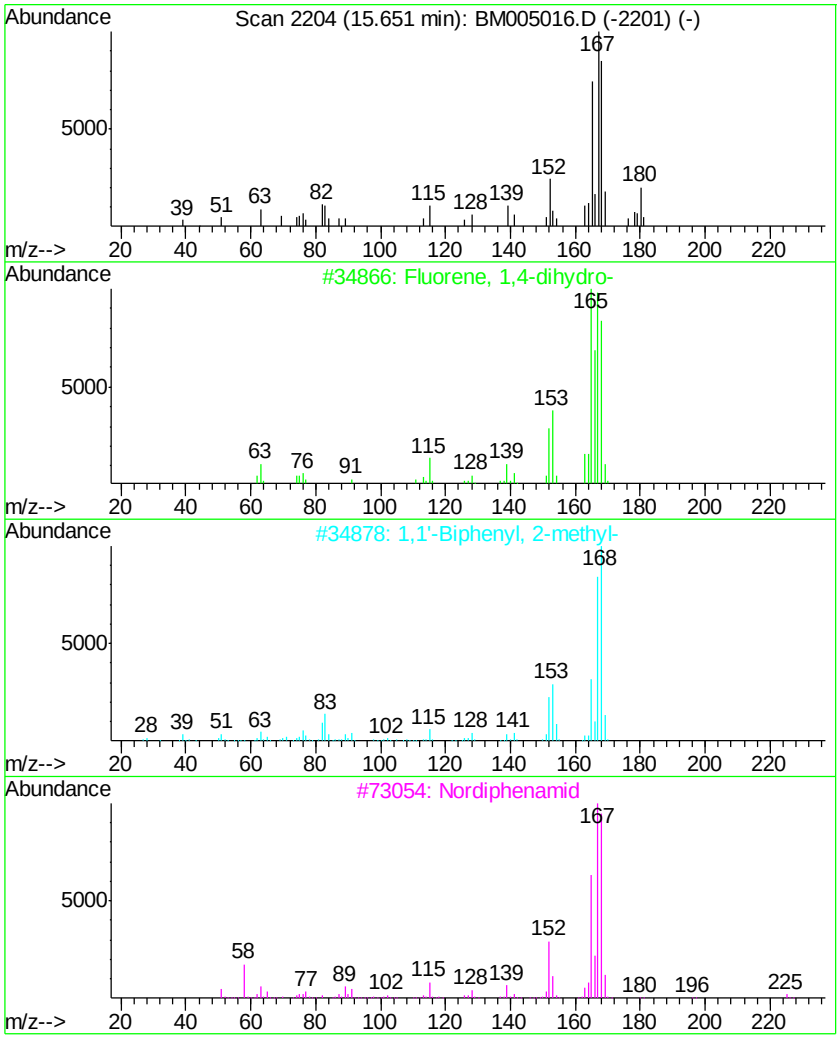
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

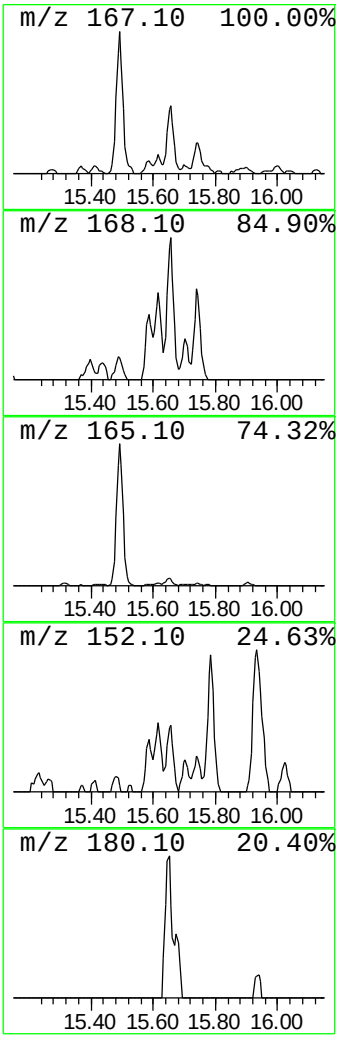
****

Peak Number 6 Fluorene, 1,4-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	2.65 ng/ul	91863	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	78
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
3	Nordiphenamid	225	C15H15NO	000954-21-2	59
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	53
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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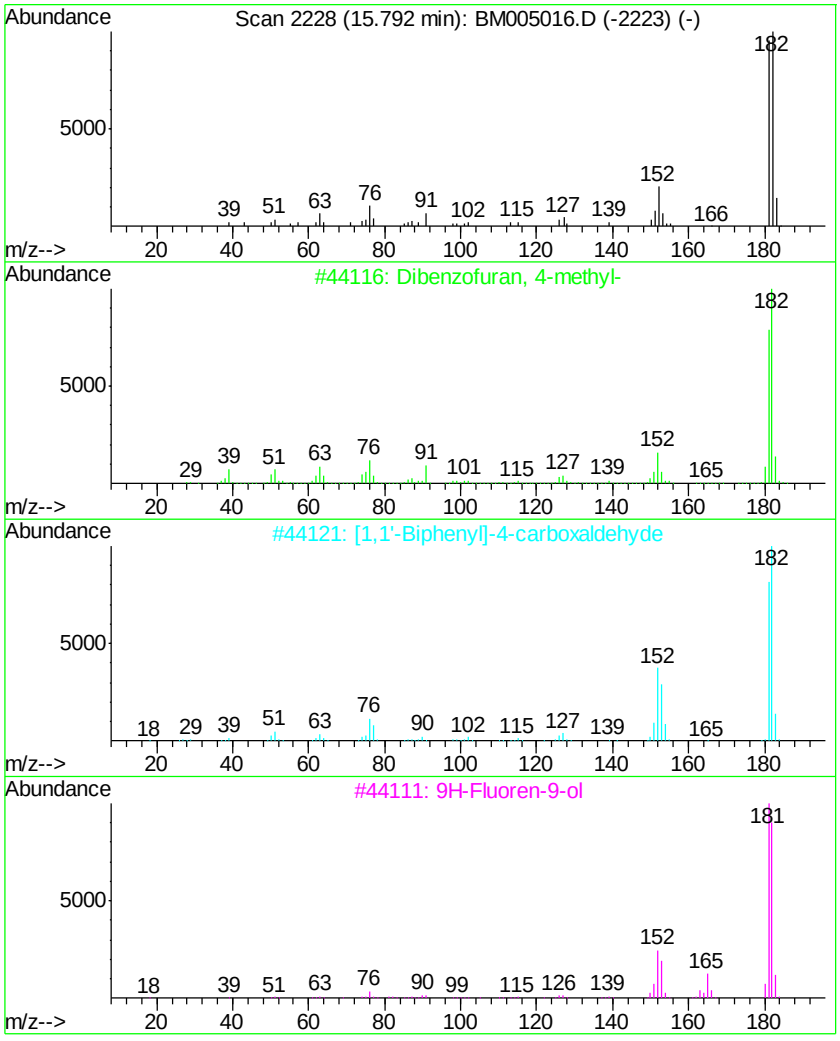
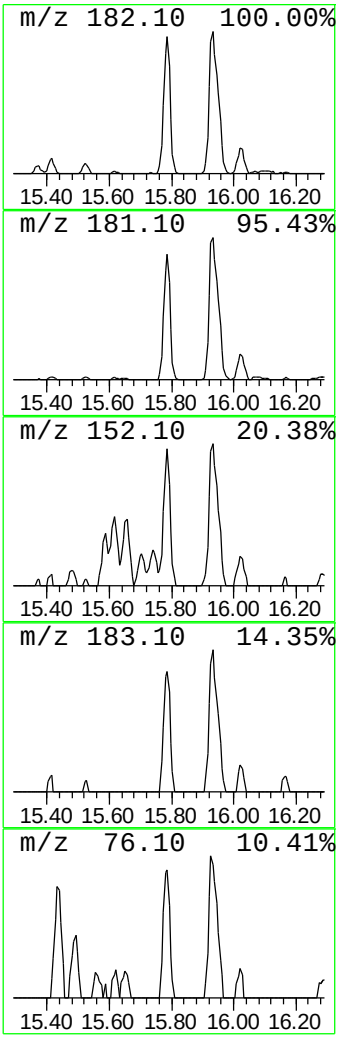
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	4.25 ng/ul	147322	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
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	72





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Sample : H2567-30
Misc :
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Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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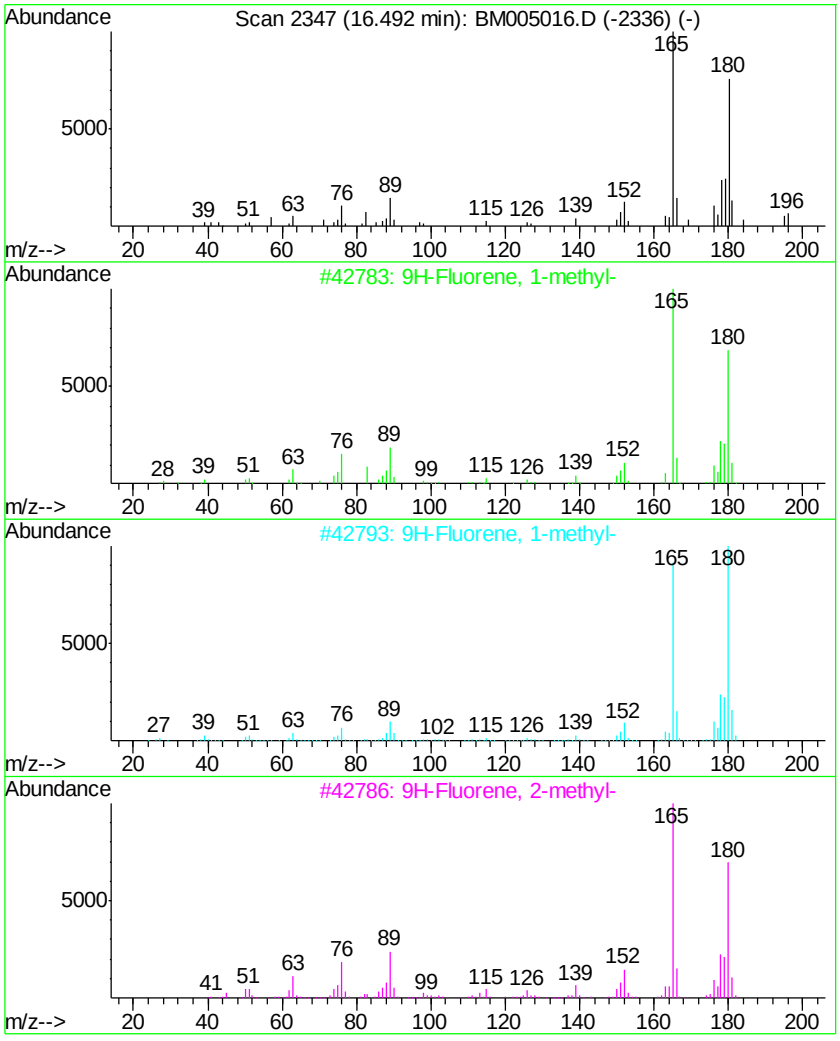
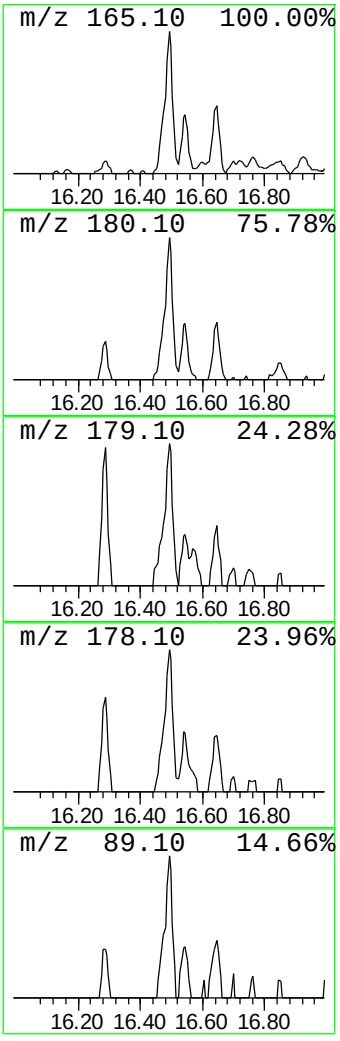
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.73 ng/ul	142054	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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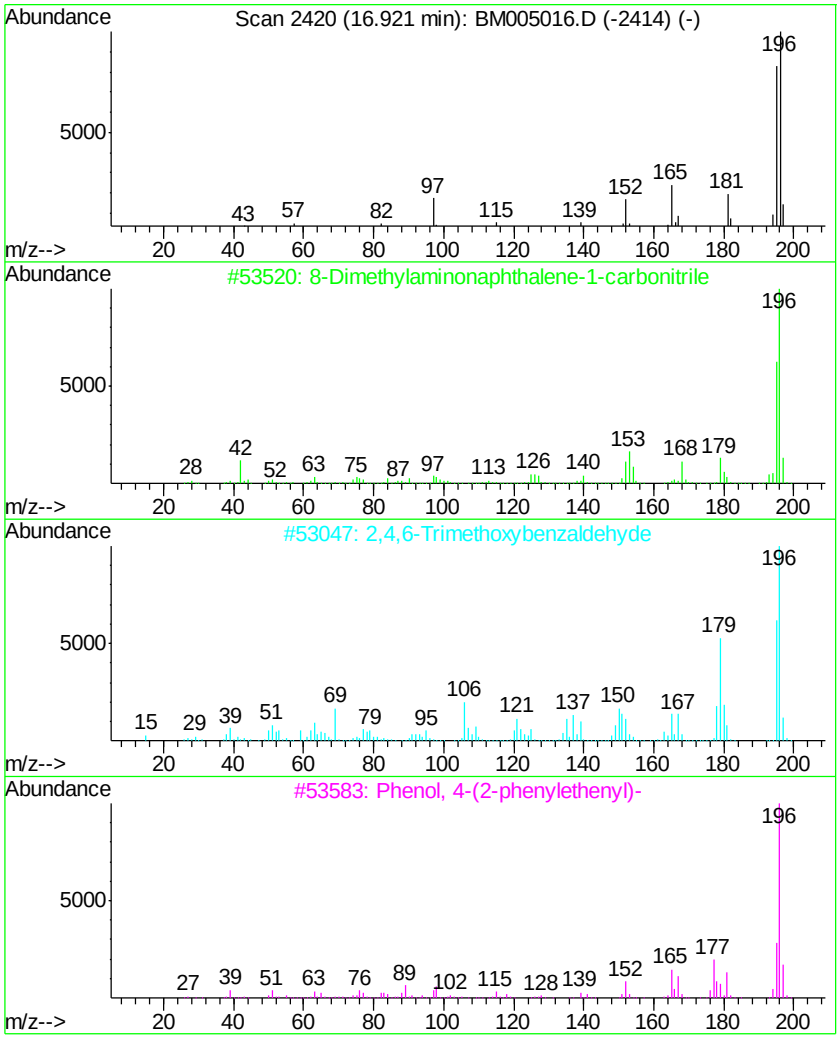
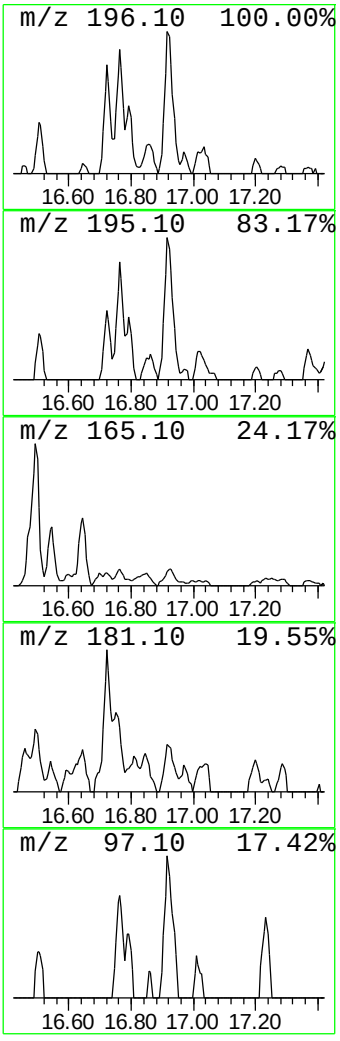
Peak Number 10 8-Dimethylaminonaphthalene-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	2.05 ng/ul	78167	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	59
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49





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Sample : H2567-30
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ClientSampleId : BC7J5

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Quant Title : SVOA CALIBRATION

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

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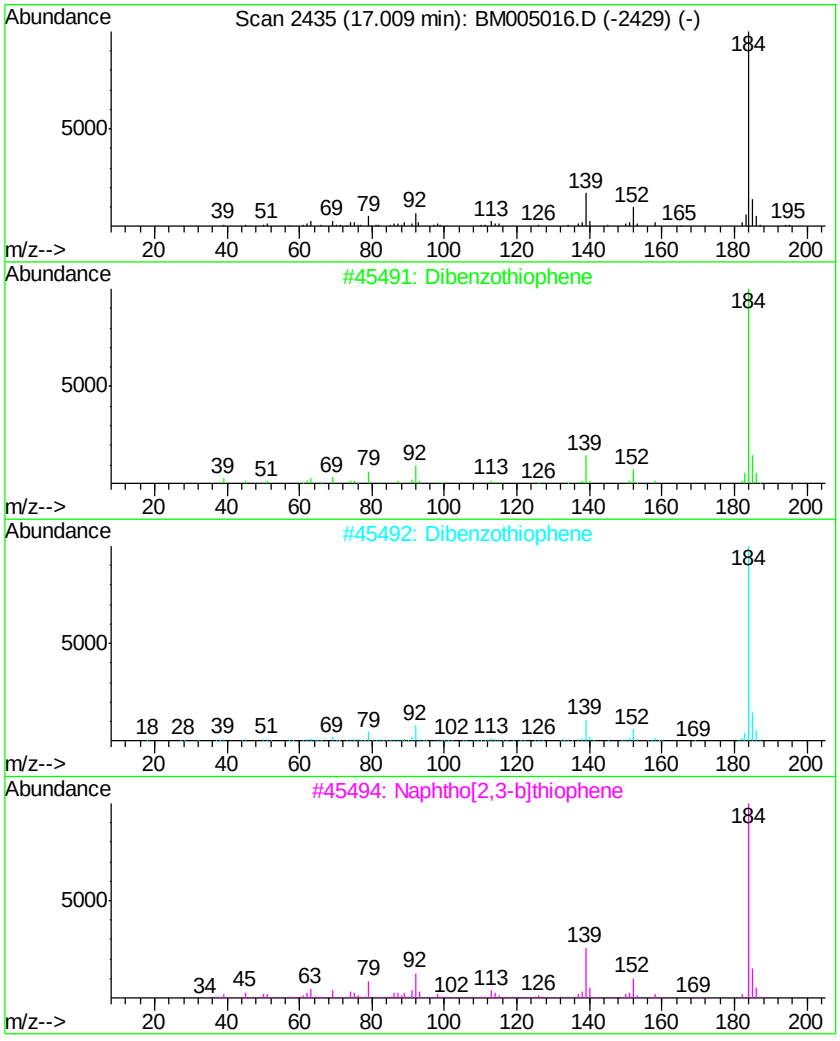
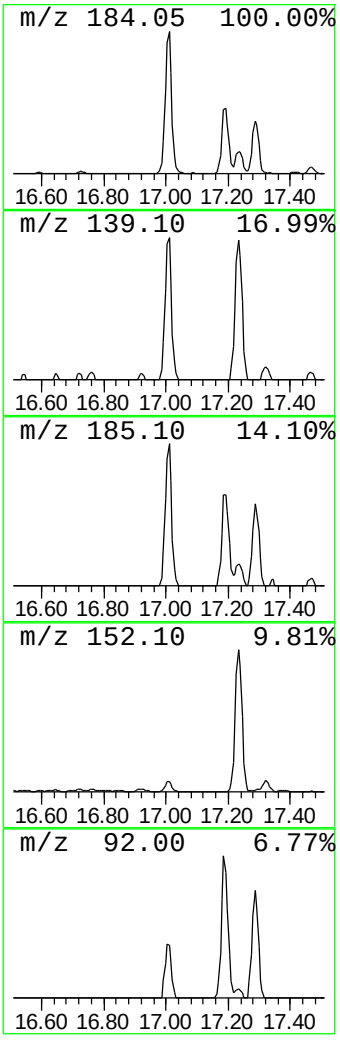
Peak Number 11 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	5.33 ng/ul	203046	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

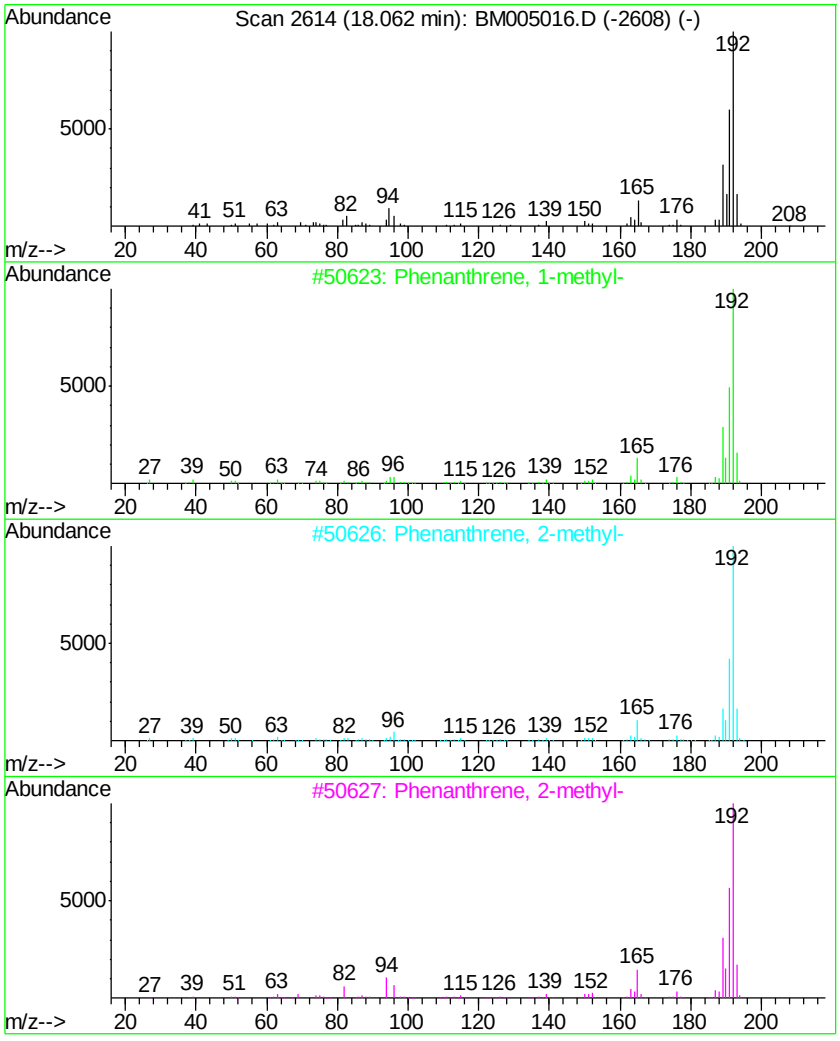
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

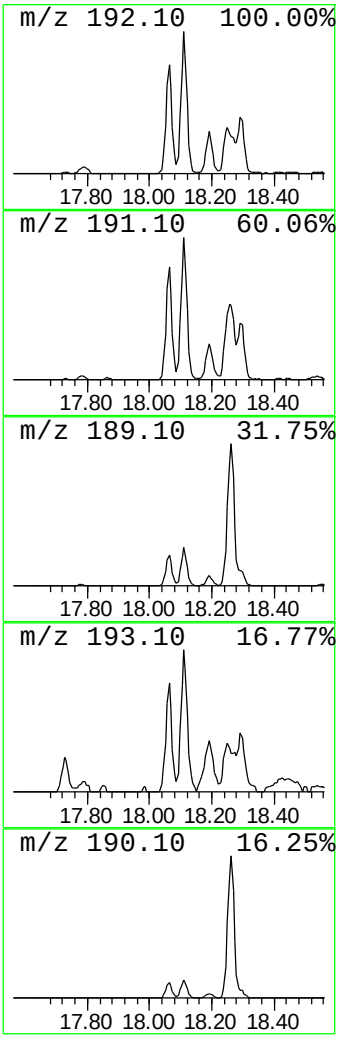
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.79 ng/ul	220475	Phenanthrene-d10	17.19

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





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Sample : H2567-30
Misc :
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Instrument : BNA_M
ClientSampleId : BC7J5

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Quant Title : SVOA CALIBRATION

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

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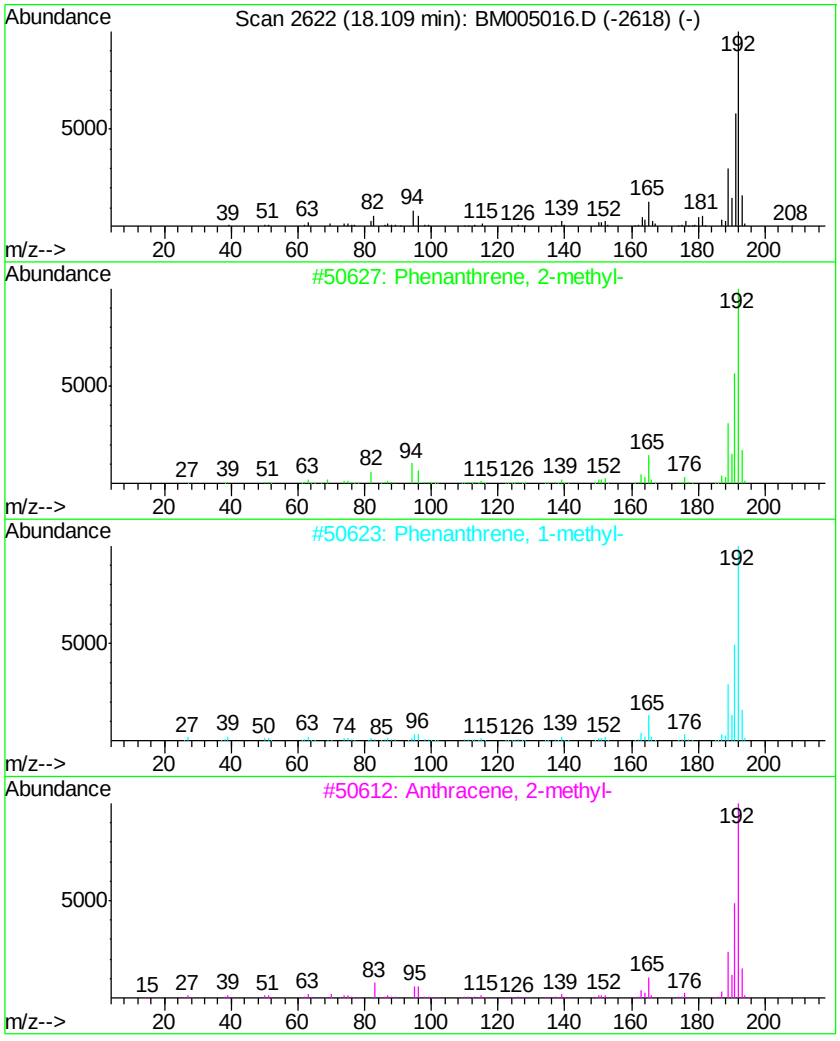
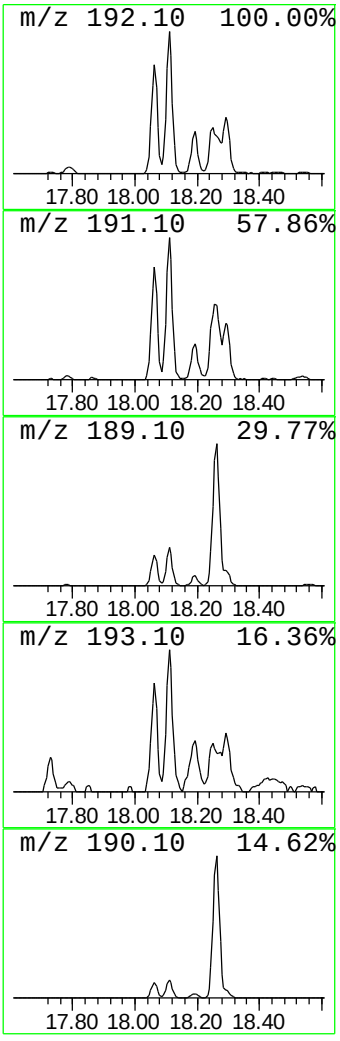
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	7.40 ng/ul	282003	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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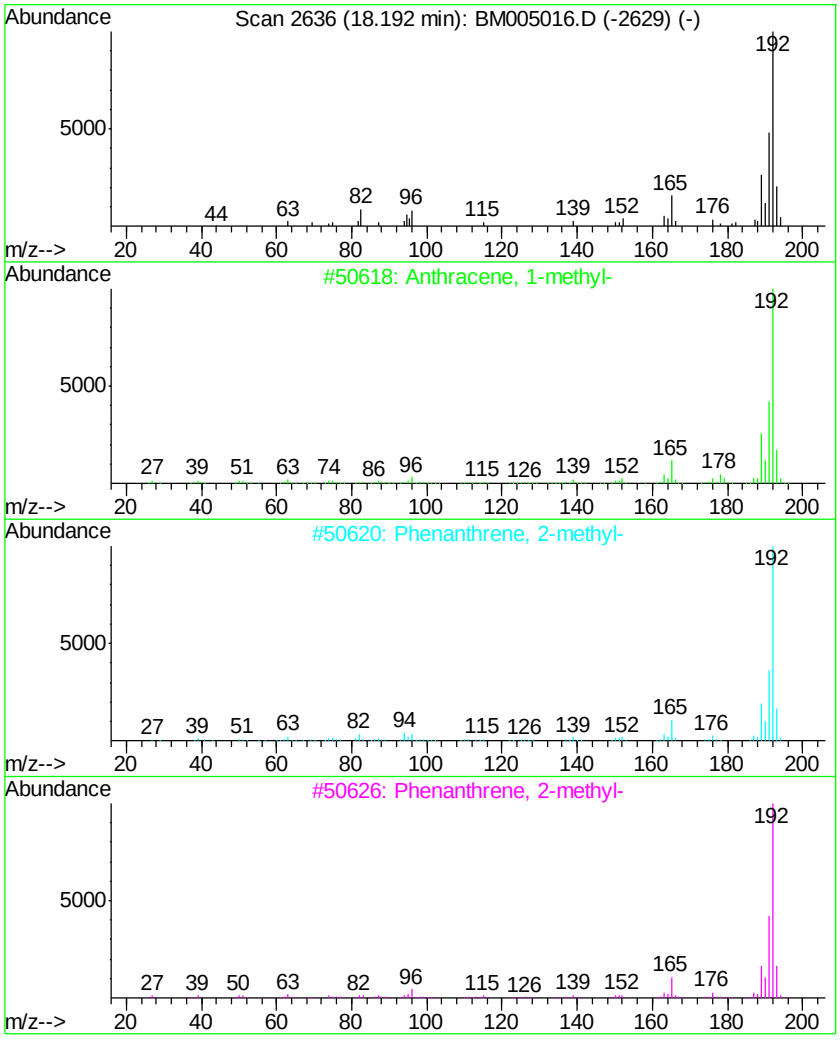
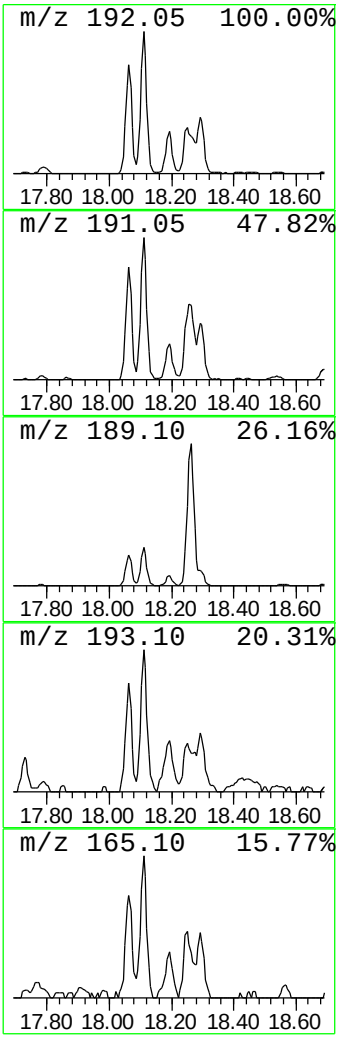
Peak Number 14 Anthracene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.08 ng/ul	79327	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Sample : H2567-30
Misc :
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Instrument : BNA_M
ClientSampleId : BC7J5

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Quant Title : SVOA CALIBRATION

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

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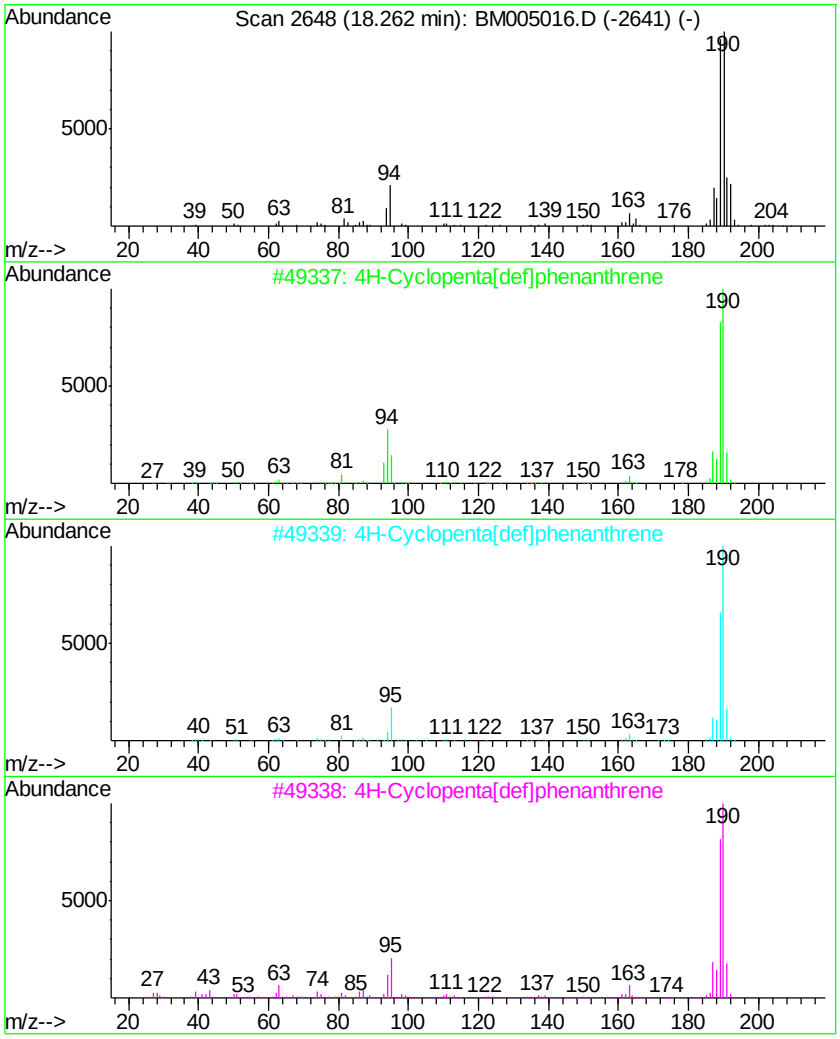
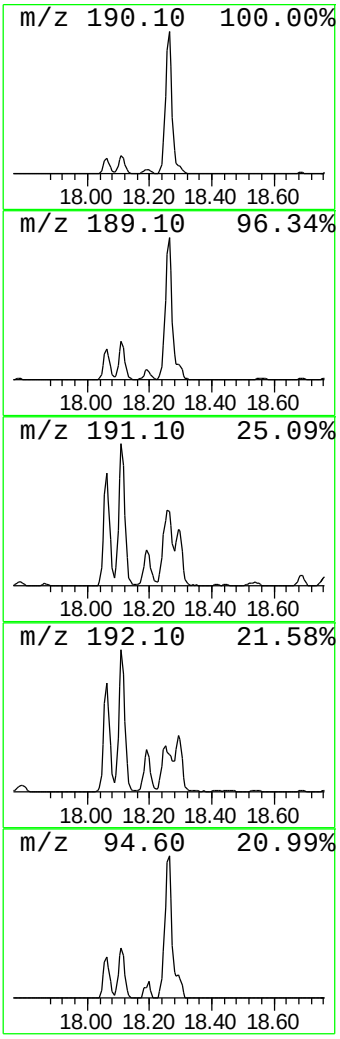
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	11.98 ng/ul	456384	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Instrument : BNA_M
ClientSampleId : BC7J5

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Quant Title : SVOA CALIBRATION

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

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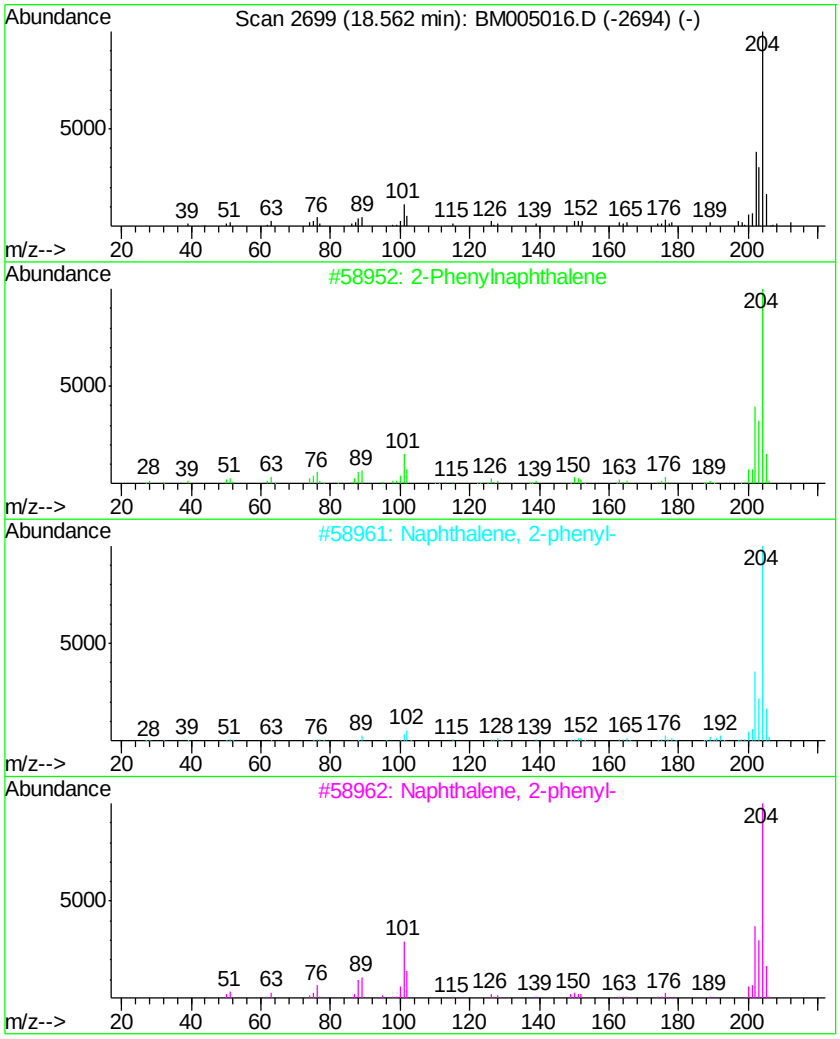
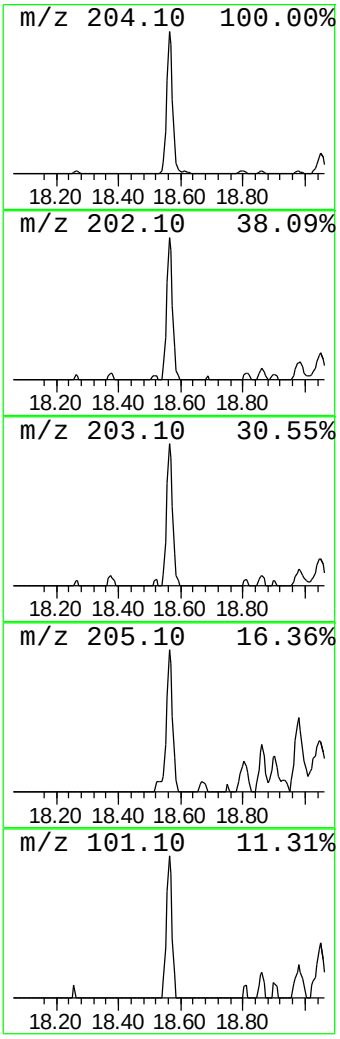
Peak Number 17 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.45 ng/ul	131620	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





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Quant Title : SVOA CALIBRATION

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

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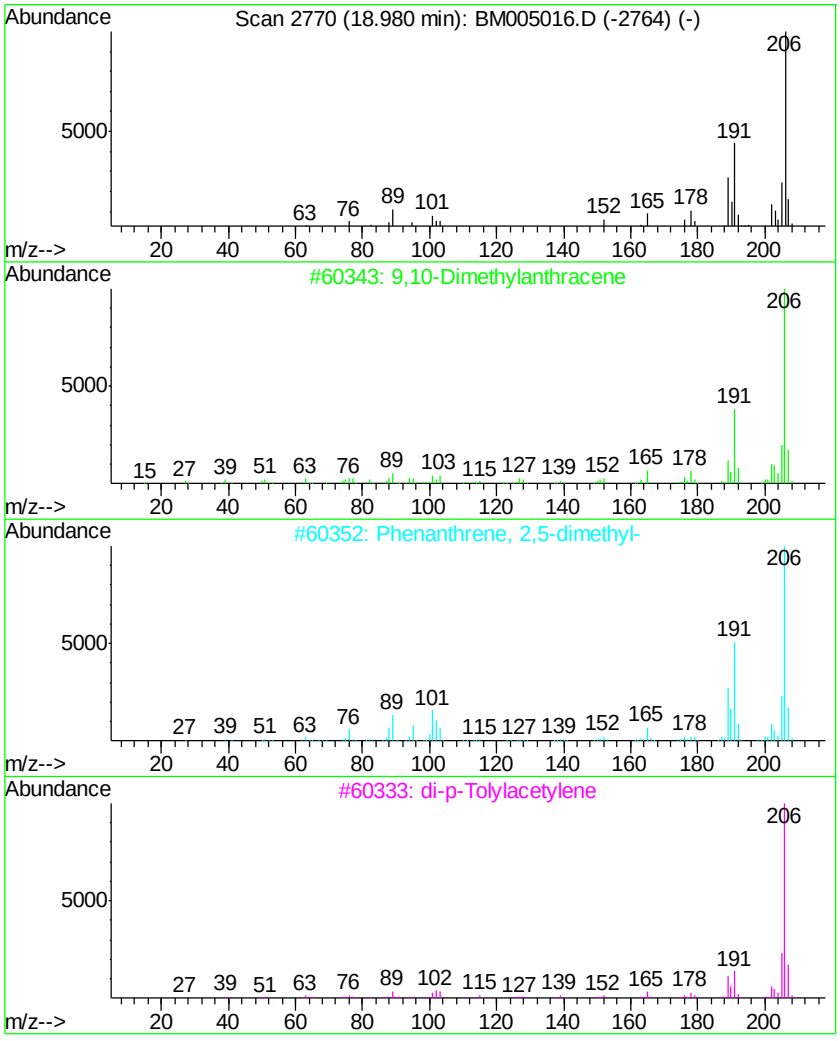
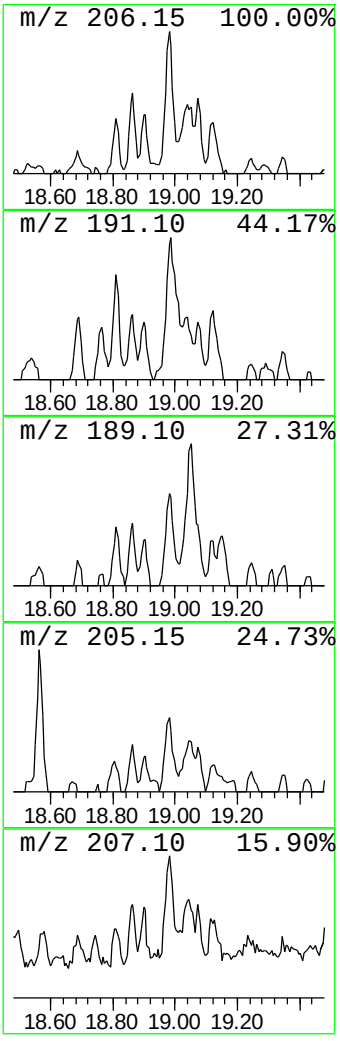
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	2.44 ng/ul	92831	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Quant Title : SVOA CALIBRATION

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

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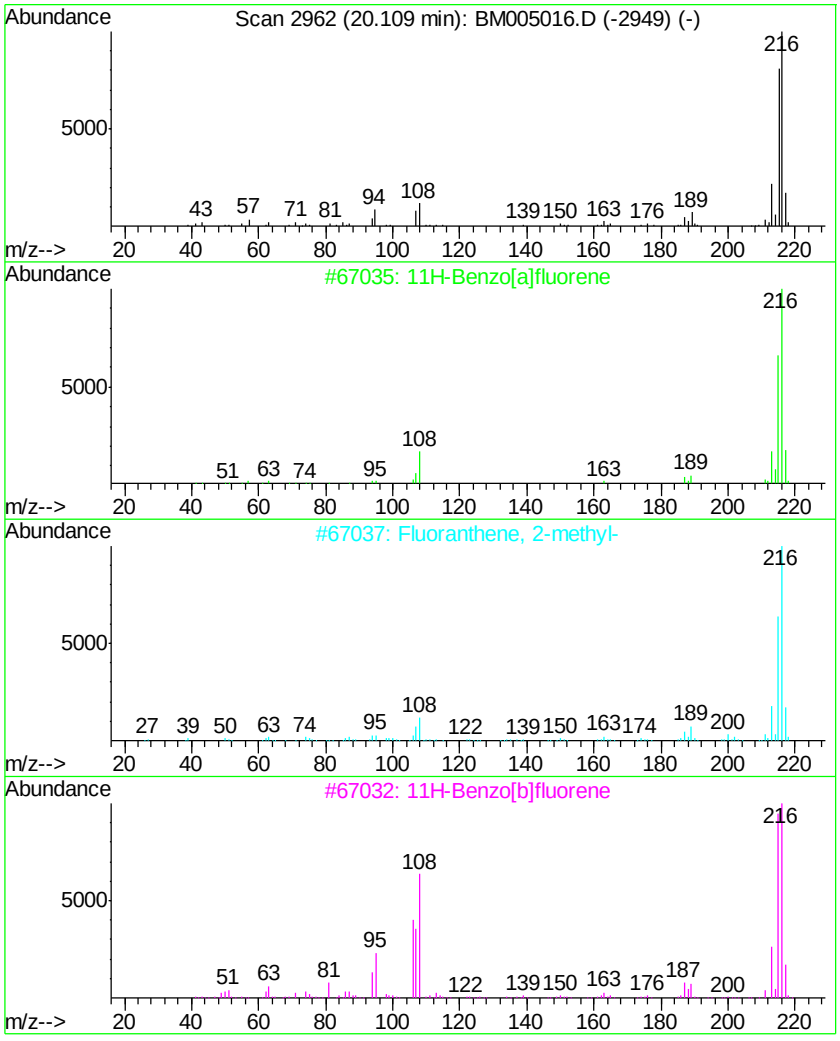
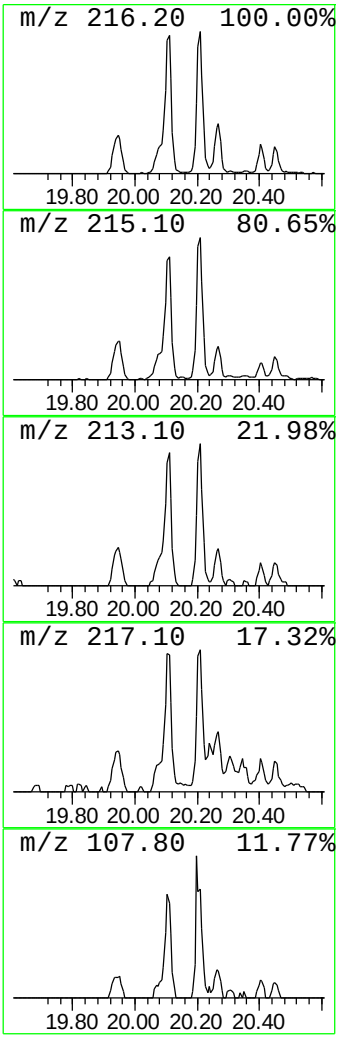
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	4.05 ng/ul	297496	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

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Quant Title : SVOA CALIBRATION

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

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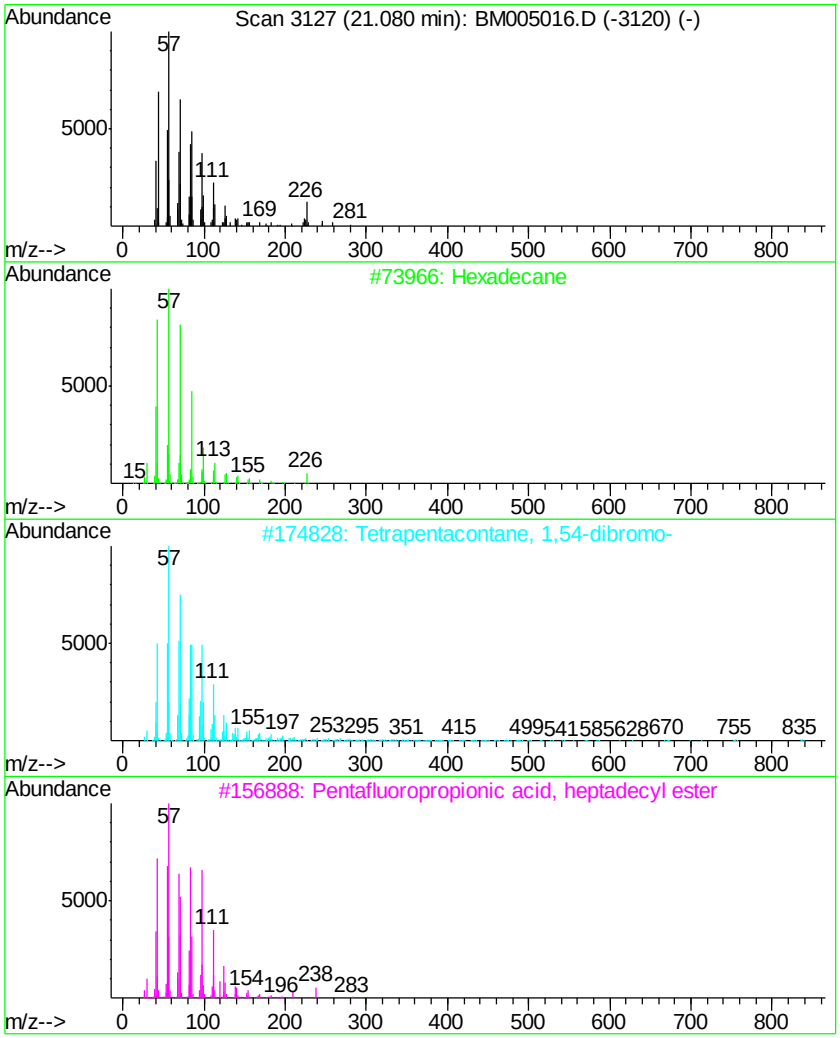
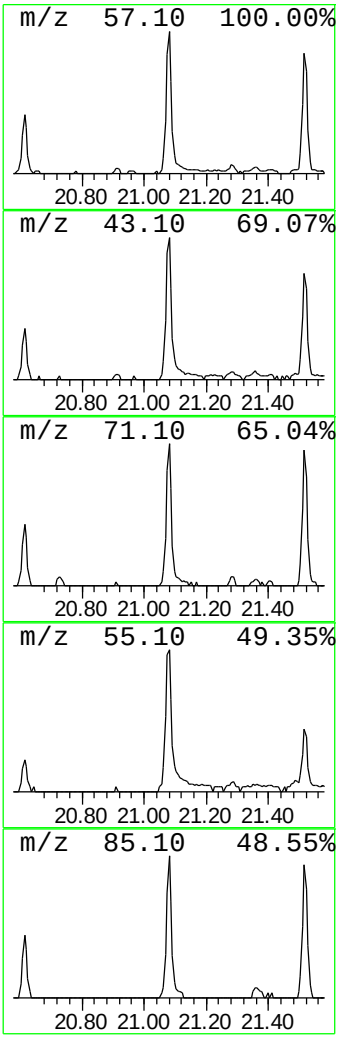
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	4.35 ng/ul	319312	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	89
2	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	83
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	64
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	64
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

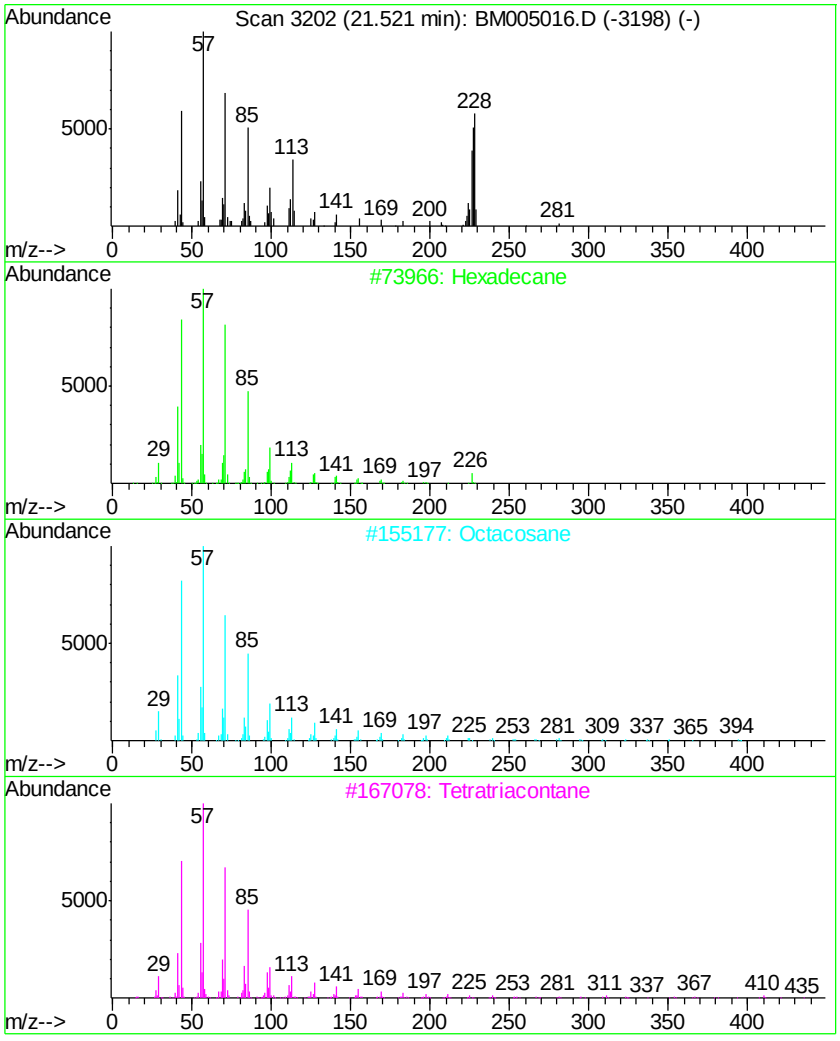
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

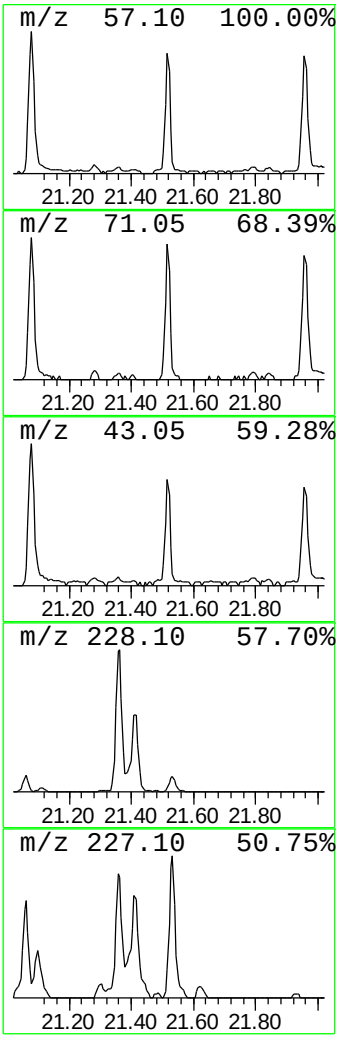
****

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.08 ng/ul	153106	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Octacosane	394	C28H58	000630-02-4	42
3	Tetratriacontane	479	C34H70	014167-59-0	38
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	38
5	Hentriacontane	437	C31H64	000630-04-6	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

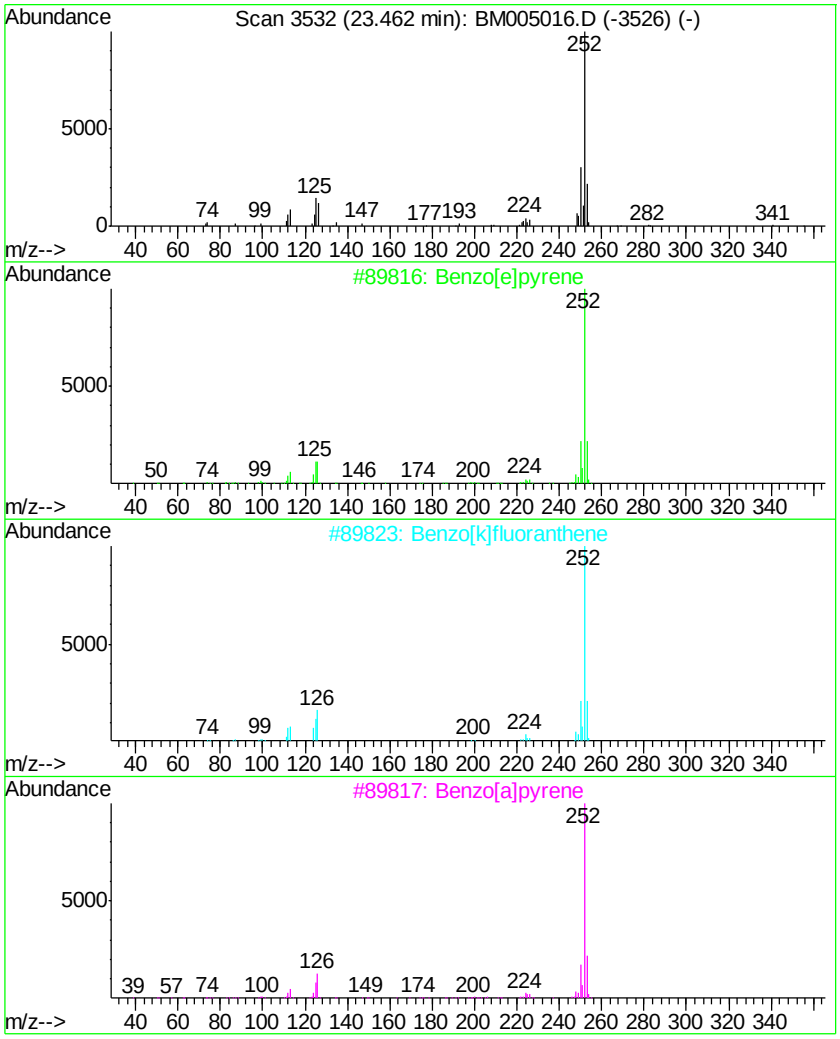
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

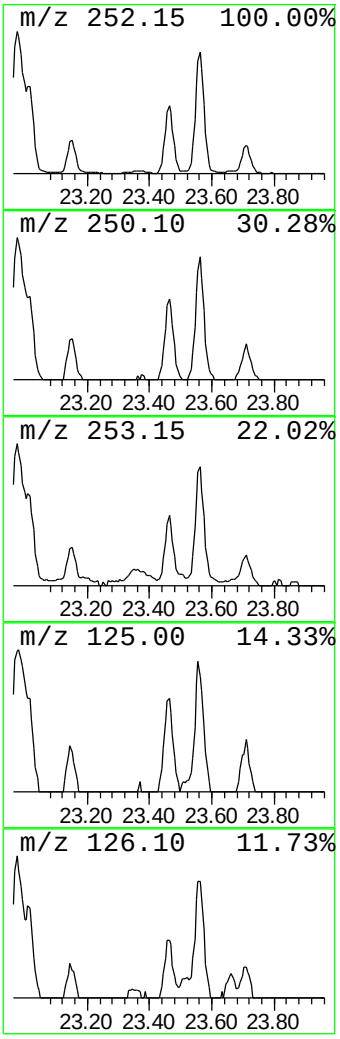
****

Peak Number 23 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	2.23 ng/ul	98915	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
Operator : UM/SJ
Sample : H2567-30
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	2.7	ng/ul	42870	1	7.81	320810	20.0
Naphthalene, 1-me...	12.47	14.8	ng/ul	355594	2	10.60	481551	20.0
Naphthalene, 1,5-...	13.60	3.1	ng/ul	108685	3	14.44	693983	20.0
Naphthalene, 2,3-...	13.76	6.1	ng/ul	211671	3	14.44	693983	20.0
Fluorene, 1,4-dih...	15.65	2.6	ng/ul	91863	3	14.44	693983	20.0
Dibenzofuran, 4-m...	15.79	4.3	ng/ul	147322	3	14.44	693983	20.0
9H-Fluorene, 1-me...	16.49	3.7	ng/ul	142054	4	17.19	762067	20.0
8-Dimethylaminona...	16.92	2.0	ng/ul	78167	4	17.19	762067	20.0
Dibenzothiophene	17.01	5.3	ng/ul	203046	4	17.19	762067	20.0
Phenanthrene, 1-m...	18.06	5.8	ng/ul	220475	4	17.19	762067	20.0
Phenanthrene, 2-m...	18.11	7.4	ng/ul	282003	4	17.19	762067	20.0
Anthracene, 1-met...	18.19	2.1	ng/ul	79327	4	17.19	762067	20.0
4H-Cyclopenta[def...	18.26	12.0	ng/ul	456384	4	17.19	762067	20.0
2-Phenylnaphthalene	18.56	3.5	ng/ul	131620	4	17.19	762067	20.0
9,10-Dimethylanth...	18.98	2.4	ng/ul	92831	4	17.19	762067	20.0
11H-Benzo[a]fluorene	20.11	4.0	ng/ul	297496	5	21.37	1468970	20.0
(DEL) Alkane: Str...	21.08	4.3	ng/ul	319312	5	21.37	1468970	20.0
(DEL) Alkane: Str...	21.52	2.1	ng/ul	153106	5	21.37	1468970	20.0
Benzo[e]pyrene	23.46	2.2	ng/ul	98915	6	23.66	886993	20.0