LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

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-BM052717.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	7.069	670	677	687	rVB3	70340	137409	3.36%	0.408%
2	7.228	699	704	710	rBV	46443	77082	1.89%	0.229%
3	7.428	731	738	744	rBV	84377	144482	3.53%	0.429%
4	7.887	809	816	823	rBV	567743	907579	22.20%	2.693%
5	8.610	934	939	946	rBV	84226	140131	3.43%	0.416%
6	9.075	1013	1018	1023	rBV	62893	112351	2.75%	0.333%
7	9.787	1133	1139	1145	rBV4	57706	103847	2.54%	0.308%
8	10.316	1224	1229	1238	rBV3	91946	179035	4.38%	0.531%
9	10.686	1285	1292	1297	rBV	665991	1142354	27.94%	3.389%
10	10.739	1297	1301	1309	rVB2	95100	171987	4.21%	0.510%
11	10.863	1317	1322	1330	rVB3	70380	133841	3.27%	0.397%
12	12.339	1568	1573	1579	rBV2	101934	177423	4.34%	0.526%
13	12.563	1607	1611	1618	rVB2	71310	110836	2.71%	0.329%
14	13.357	1740	1746	1751	rVB	75562	129001	3.15%	0.383%
15	13.680	1796	1801	1802	rBV3	38005	58239	1.42%	0.173%
16	13.833	1817	1827	1832	rBV2	76492	151856	3.71%	0.451%
17	13.886	1832	1836	1840	rVV	46705	67577	1.65%	0.200%
18	13.939	1840	1845	1849	rVV	204605	290447	7.10%	0.862%
19	13.986	1849	1853	1859	rVB	200399	276472	6.76%	0.820%
20	14.074	1863	1868	1872	rBV4	37909	61382	1.50%	0.182%
21	14.222	1888	1893	1901	rBV	214113	359977	8.80%	1.068%
22	14.486	1933	1938	1939	rBV	69328	79224	1.94%	0.235%
23	14.522	1939	1944	1951	rVV2	1012890	1615655	39.51%	4.793%
24	14.586	1951	1955	1963	rVB	472788	682458	16.69%	2.025%
25	14.780	1985	1988	1991	rBV4	31283	52624	1.29%	0.156%
26	14.921	2006	2012	2018	rBV	401763	610903	14.94%	1.812%
27	14.986	2018	2023	2027	rVB4	34183	57295	1.40%	0.170%
28	15.127	2041	2047	2052	rBV4	33561	59123	1.45%	0.175%
29	15.180	2052	2056	2061	rVB2	34246	48105	1.18%	0.143%
30	15.516	2108	2113	2117	rVB	288369	370138	9.05%	1.098%
31	15.574	2117	2123	2131	rVB	506035	769205	18.81%	2.282%
32	15.651	2131	2136	2140	rBV3	65403	133063	3.25%	0.395%
33	15.727	2146	2149	2154	rVB3	56660	70979	1.74%	0.211%
34	15.857	2167	2171	2177	rVB	125491	195894	4.79%	0.581%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

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-BM052717.M
Title : SVOA CALIBRATION

35	16.004	2191	2196	2204	rBV	132458	277152	6.78%	0.822%
36	16.098	2209	2212	2218	rVB6	34908	51485	1.26%	0.153%
37	16.568	2279	2292	2297	rBV3	91509	213263	5.22%	0.633%
38	16.615	2297	2300	2305	rBV5	37504	62197	1.52%	0.185%
39	16.715	2311	2317	2321	rVB8	33260	60898	1.49%	0.181%
40	16.786	2321	2329	2333	rBV7	46417	98058	2.40%	0.291%
41	16.827	2333	2336	2340	rVV4	37219	48832	1.19%	0.145%
42	16.986	2359	2363	2365	rBV	39715	52659	1.29%	0.156%
43	17.092	2376	2381	2387	rVB	163001	238399	5.83%	0.707%
44	17.274	2405	2412	2415	rBV	1502488	2179437	53.30%	6.466%
45	17.315	2415	2419	2424	rVV	2346080	3148947	77.01%	9.342%
46	17.368	2424	2428	2431	rVV	330158	472575	11.56%	1.402%
47	17.404	2431	2434	2441	rVB	228226	326371	7.98%	0.968%
48	17.692	2475	2483	2494	rVB3	89647	212512	5.20%	0.630%
49	17.786	2494	2499	2503	rBV5	46407	83771	2.05%	0.249%
50	17.986	2529	2533	2542	rVB10	28685	59087	1.45%	0.175%
51	18.139	2551	2559	2563	rBV	212769	370582	9.06%	1.099%
52	18.186	2563	2567	2573	rVV	260089	370530	9.06%	1.099%
53	18.268	2577	2581	2587	rVV2	88145	129195	3.16%	0.383%
54	18.339	2587	2593	2597	rVV3	280279	505133	12.35%	1.499%
55	18.374	2597	2599	2603	rVB2	99952	115673	2.83%	0.343%
56	18.639	2640	2644	2649	rVB	166722	220418	5.39%	0.654%
57	18.874	2681	2684	2689	rBV5	30724	44994	1.10%	0.133%
58	19.051	2710	2714	2719	rBV4	65307	107338	2.63%	0.318%
59	19.115	2719	2725	2727	rBV6	37922	67736	1.66%	0.201%
60	19.321	2754	2760	2766	rBV	1697650	2276579	55.67%	6.754%
61	19.527	2791	2795	2800	rBV	250961	264233	6.46%	0.784%
62	19.568	2800	2802	2811	rVB6	69417	110408	2.70%	0.328%
63	19.656	2811	2817	2819	rBV2	711524	1050546	25.69%	3.117%
64	19.686	2819	2822	2830	rVV	1081538	1531536	37.45%	4.544%
65	19.751	2830	2833	2837	rVB2	83404	114583	2.80%	0.340%
66	19.862	2849	2852	2857	rVB2	76849	102988	2.52%	0.306%
67	19.998	2871	2875	2882	rVB3	88981	201017	4.92%	0.596%
68	20.174	2901	2905	2909	rVB	197541	283580	6.94%	0.841%
69	20.274	2918	2922	2925	rBV	190731	230472	5.64%	0.684%
70	20.368	2936	2938	2941	rVB4	54521	46586	1.14%	0.138%
71	20.474	2953	2956	2959	rBV4	55354	77285	1.89%	0.229%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

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-BM052717.M
Title : SVOA CALIBRATION

72	20.568	2969	2972	2975	rVB5	168148	165502	4.05%	0.491%
73	21.092	3057	3061	3063	rBV2	118165	161090	3.94%	0.478%
74	21.439	3113	3120	3124	rBV2	2793088	4089063	100.00%	12.131%
75	21.474	3124	3126	3132	rVB	300028	377806	9.24%	1.121%
76	23.621	3487	3491	3495	rBV2	275985	439031	10.74%	1.302%
77	23.774	3511	3517	3524	rBV	1609096	2990037	73.12%	8.871%

Sum of corrected areas: 33707558

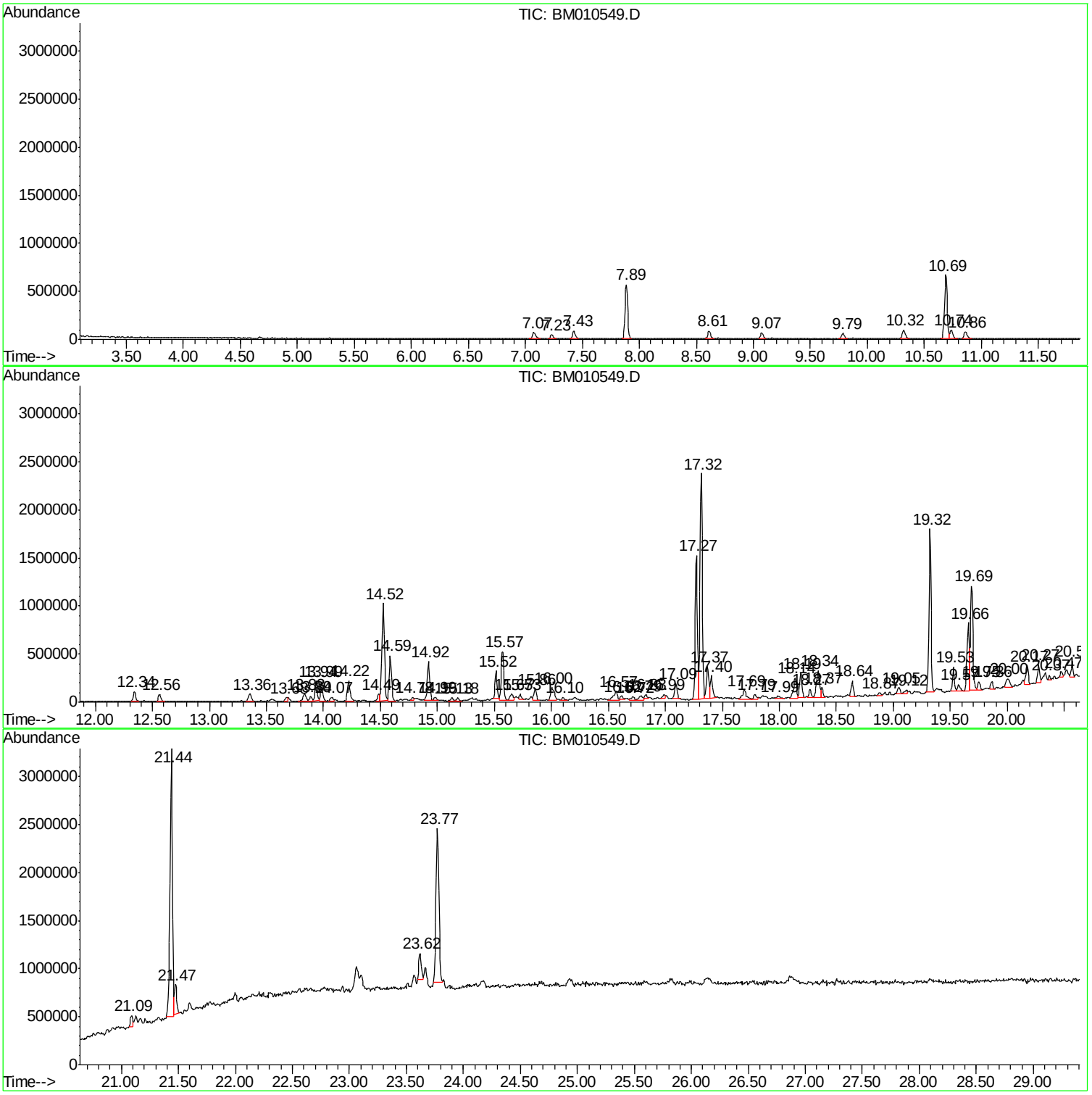
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

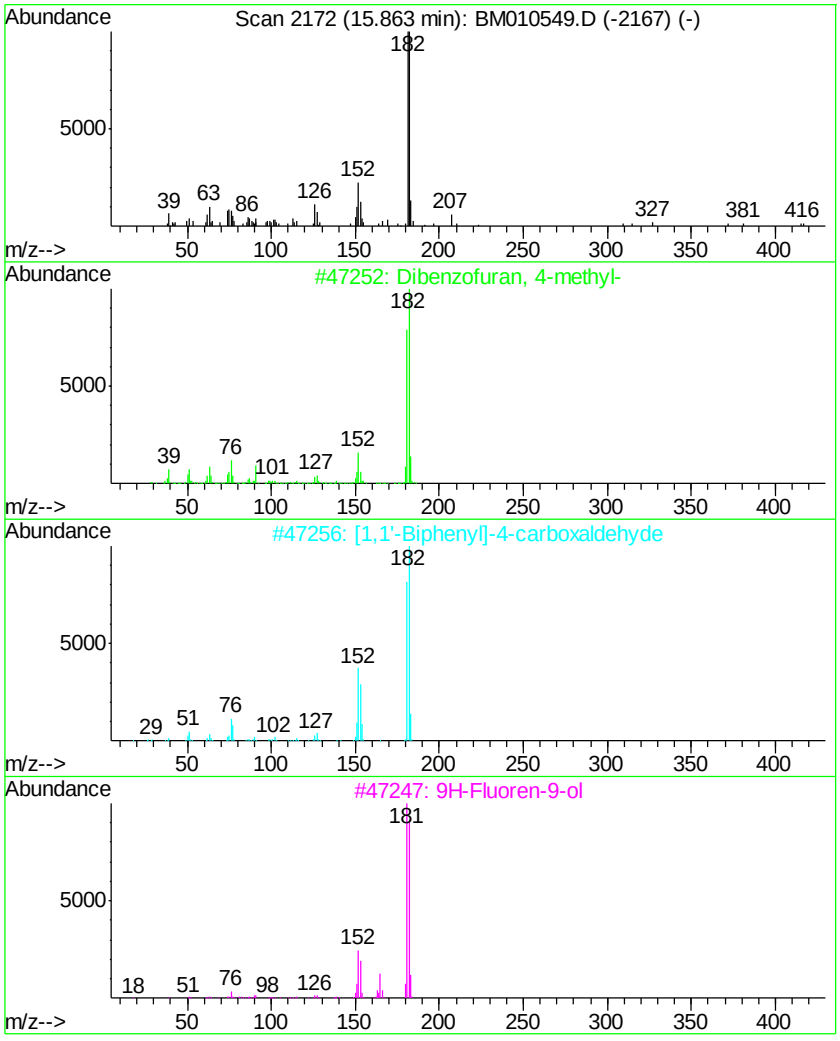
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

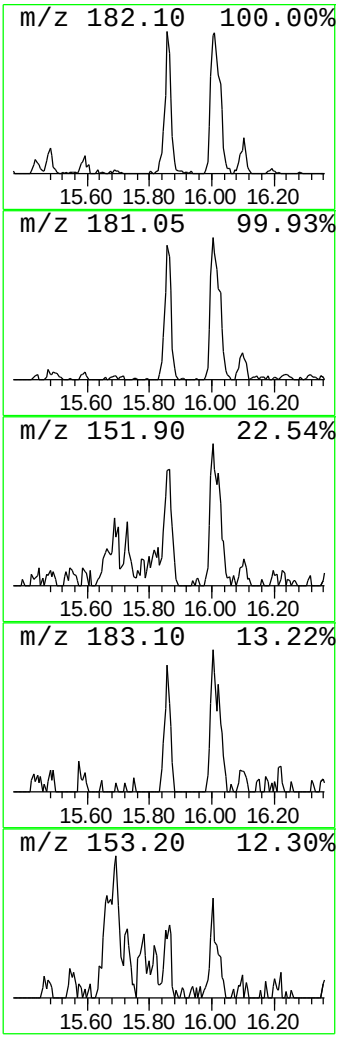
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	2.42 ng/ul	195894	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	80
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

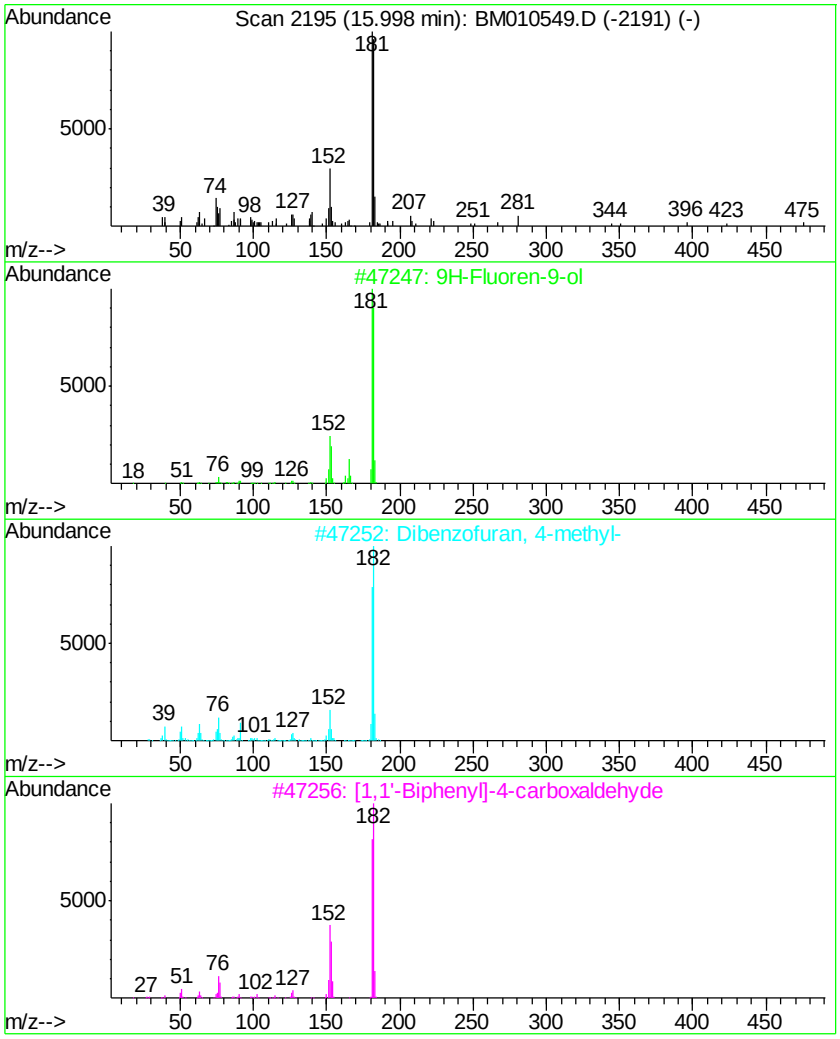
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

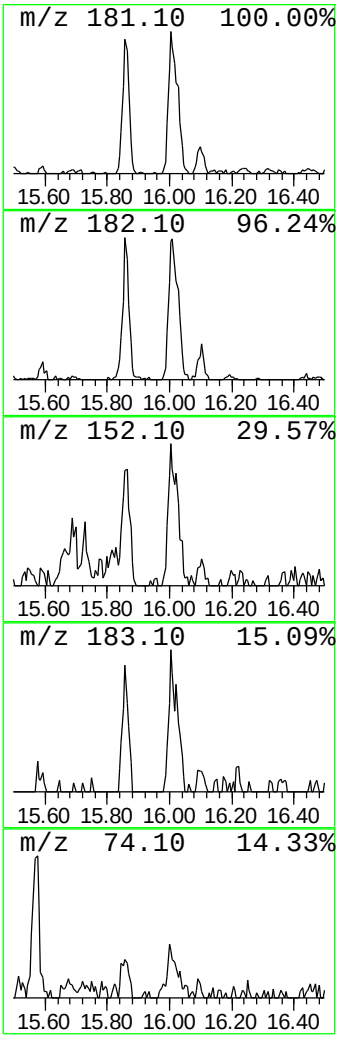
****

Peak Number 2 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.54 ng/ul	277152	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

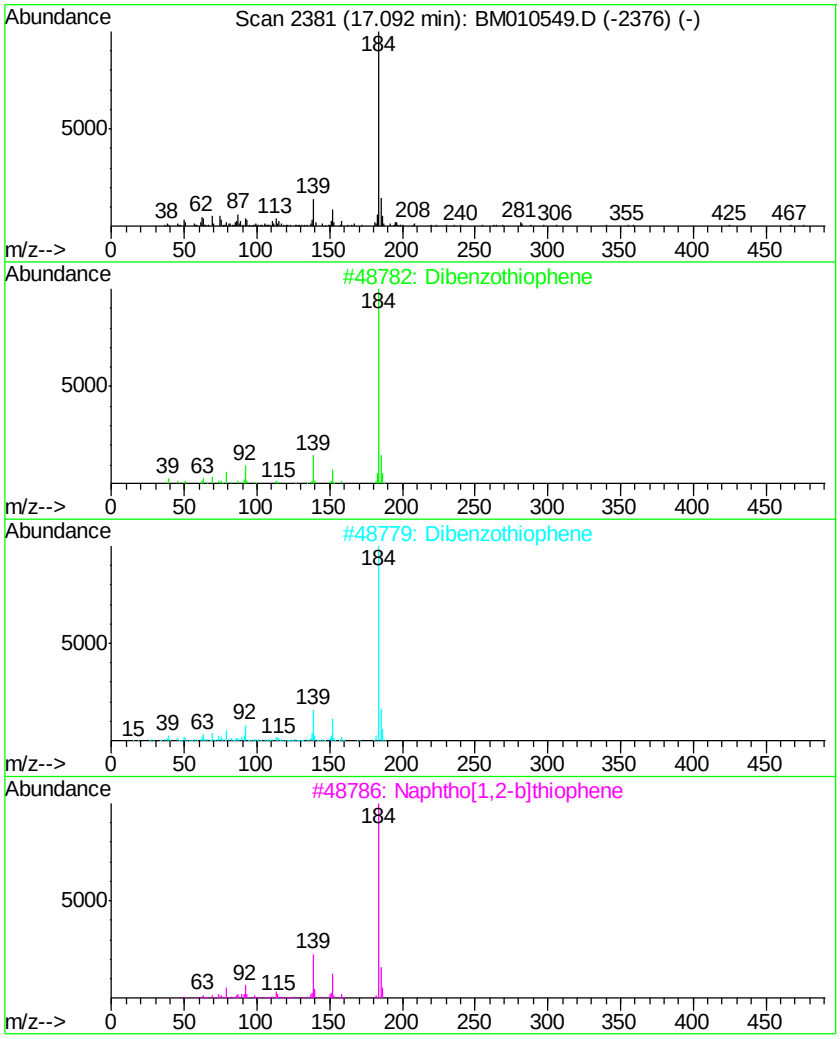
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

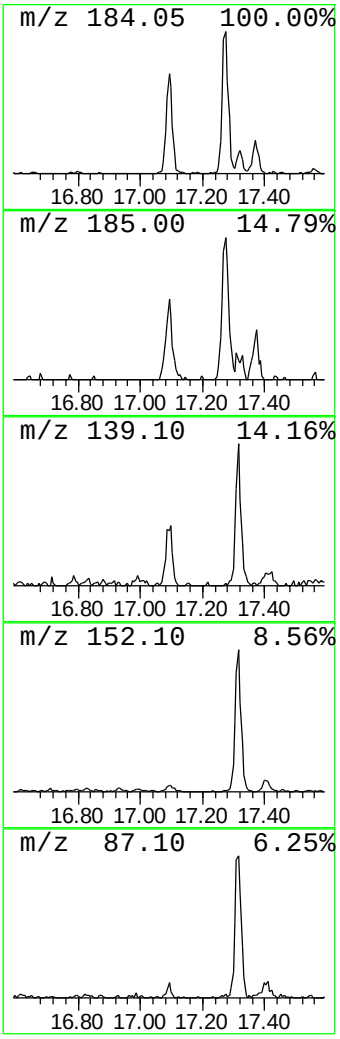
****

Peak Number 3 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	2.19 ng/ul	238399	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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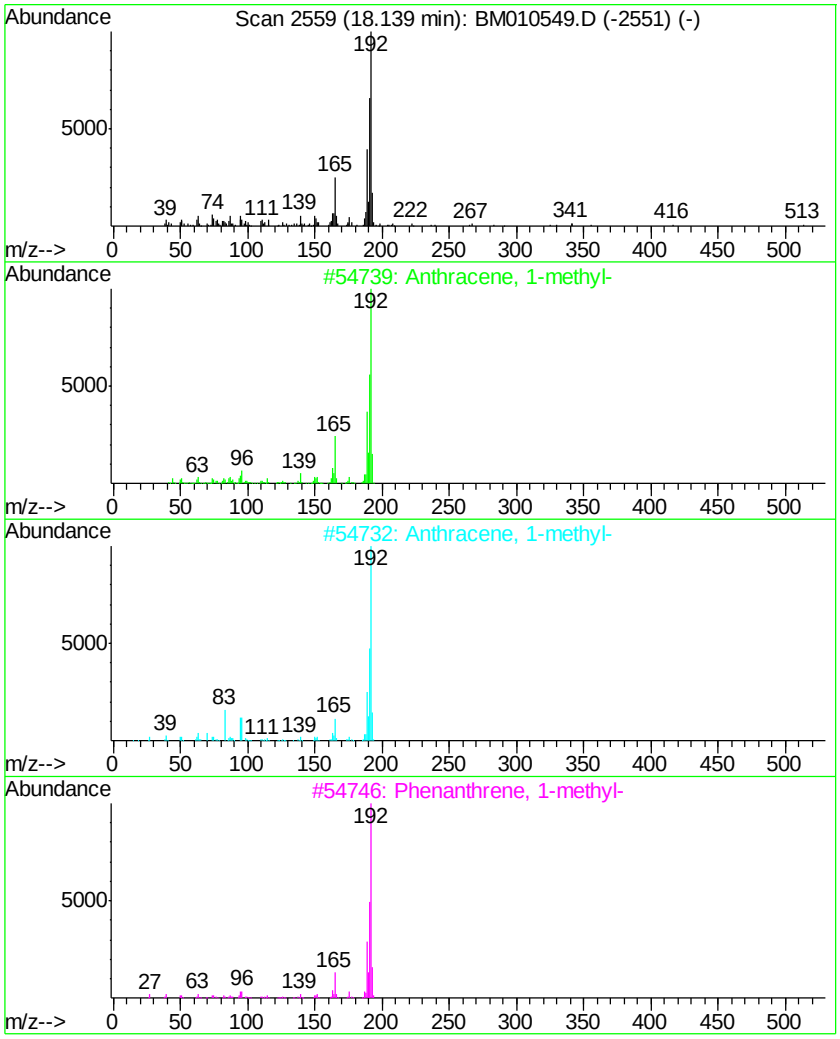
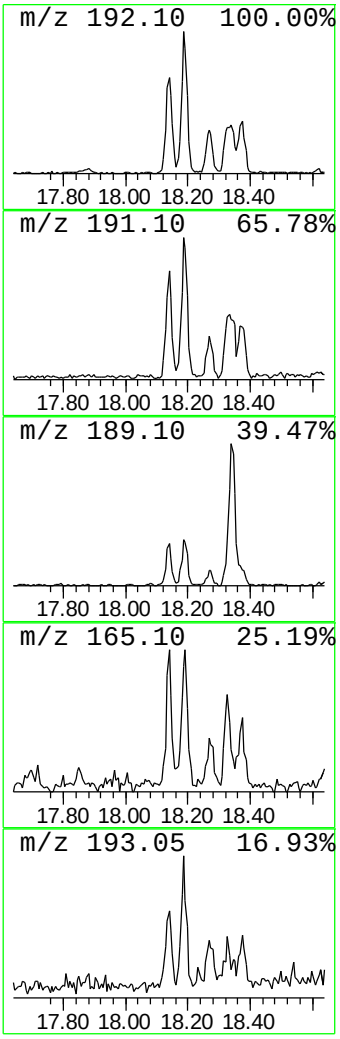
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.40 ng/ul	370582	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

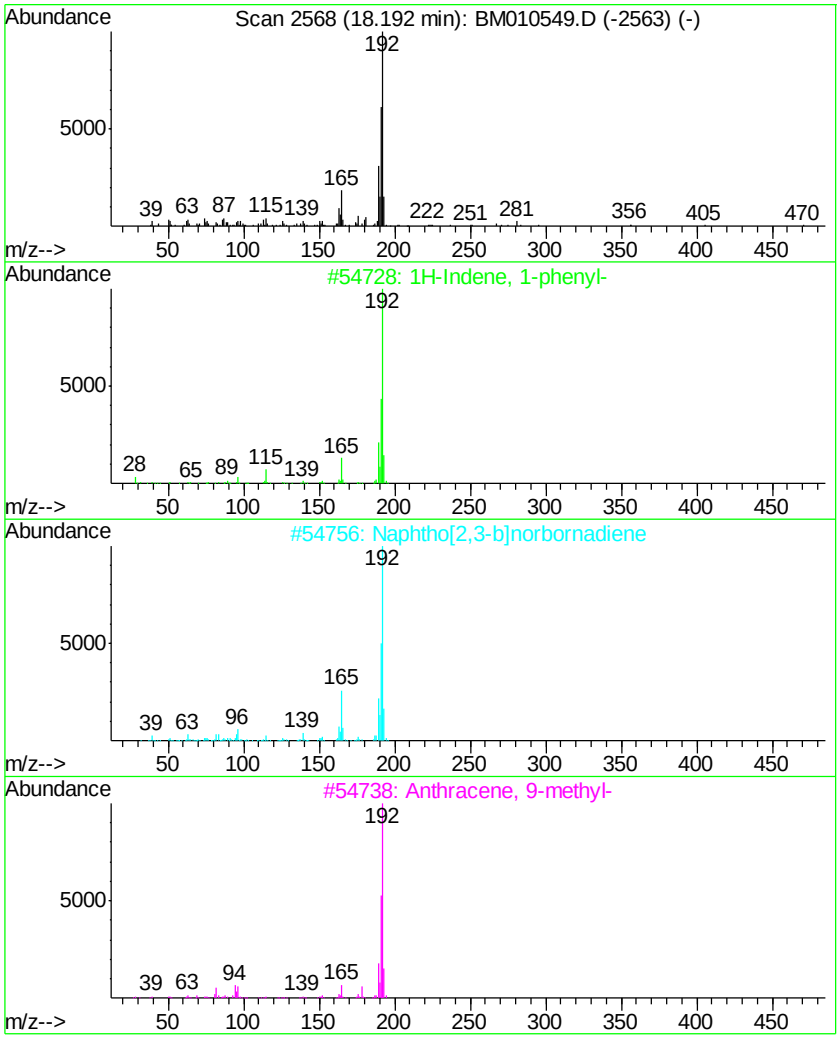
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

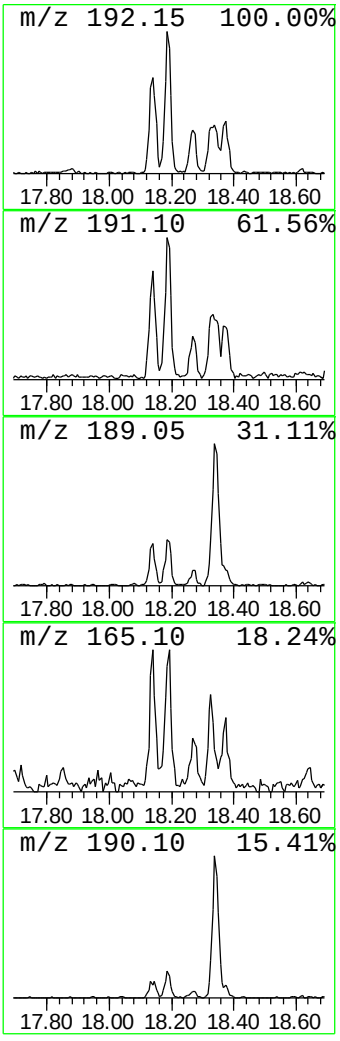
****

Peak Number 5 1H-Indene, 1-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.40 ng/ul	370530	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

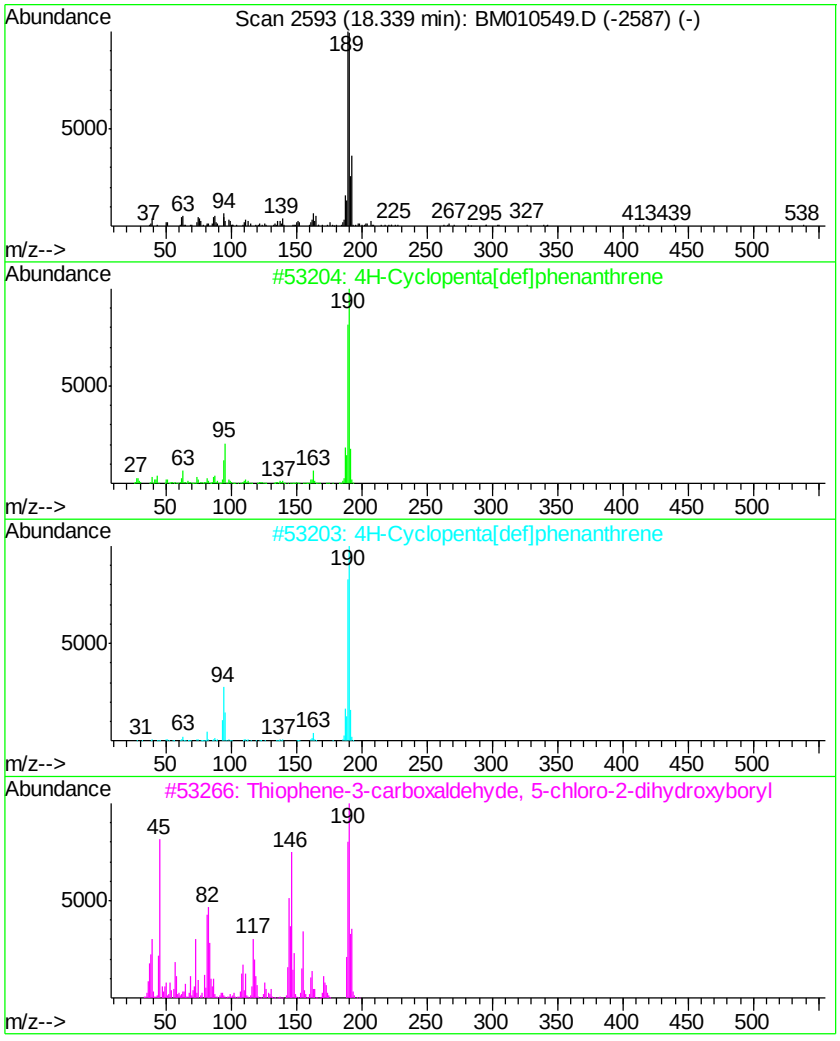
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

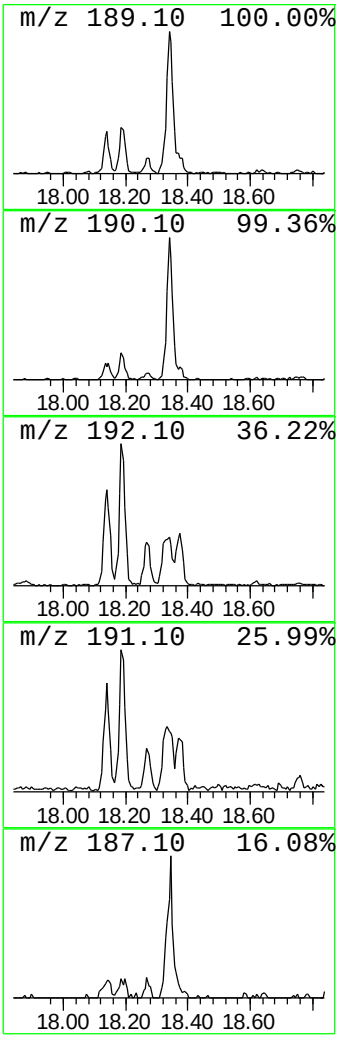
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.64 ng/ul	505133	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

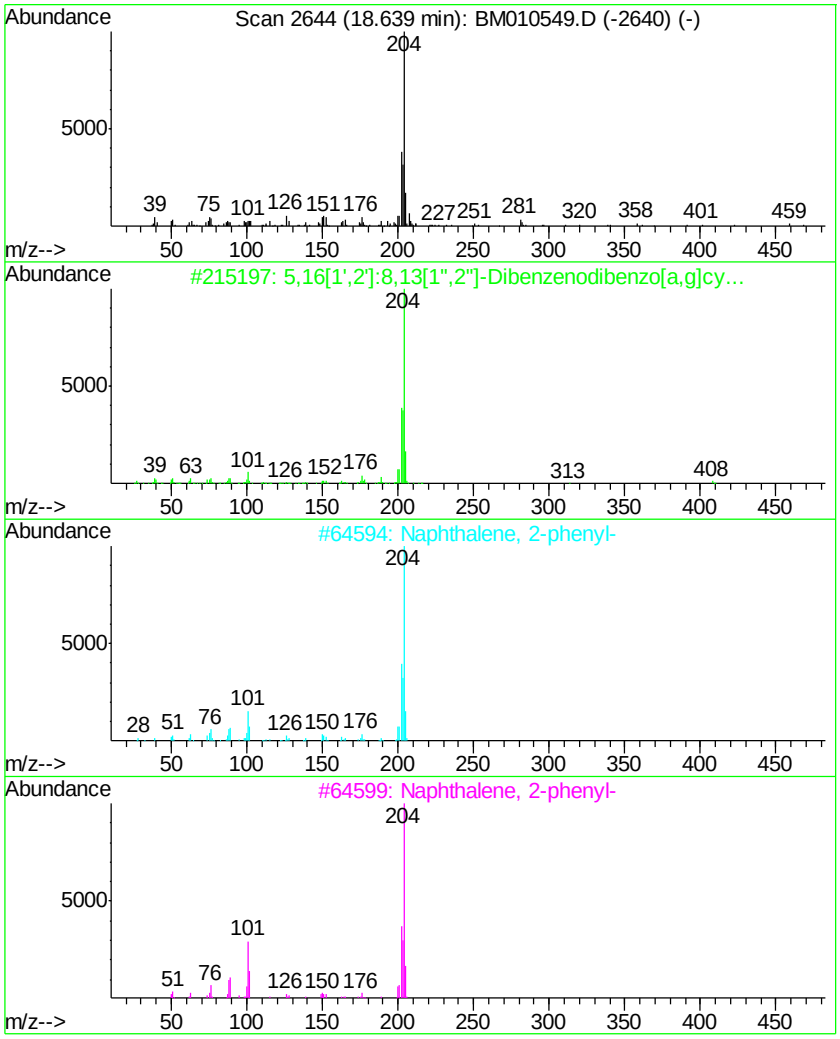
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

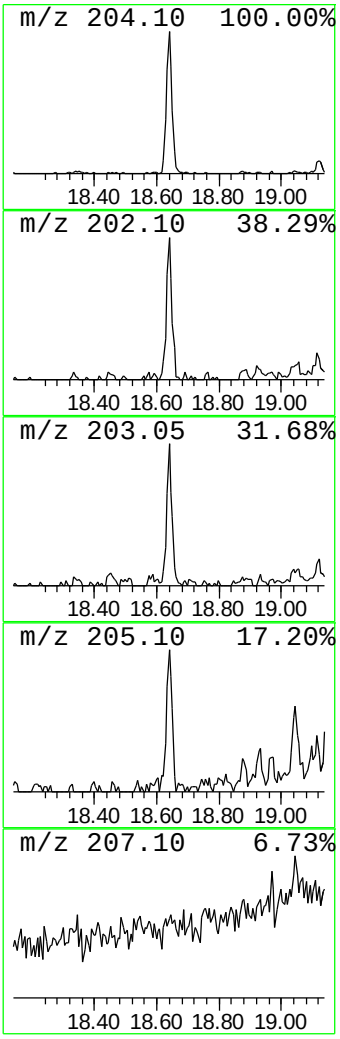
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.02 ng/ul	220418	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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
Dibenzofuran, 4-m...	15.86	2.4	ng/ul	195894	3	14.52	1615660	20.0
9H-Fluoren-9-ol	16.00	2.5	ng/ul	277152	4	17.27	2179440	20.0
Dibenzothiophene	17.09	2.2	ng/ul	238399	4	17.27	2179440	20.0
Anthracene, 1-met...	18.14	3.4	ng/ul	370582	4	17.27	2179440	20.0
1H-Indene, 1-phenyl-	18.19	3.4	ng/ul	370530	4	17.27	2179440	20.0
4H-Cyclopenta[def...	18.34	4.6	ng/ul	505133	4	17.27	2179440	20.0
5,16[1',2']:8,13[...	18.64	2.0	ng/ul	220418	4	17.27	2179440	20.0