LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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-BM071416.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	6.792	705	715	721	rBV	472472	779476	2.55%	0.370%
2	6.951	736	742	755	rBV	353790	591272	1.94%	0.281%
3	7.145	769	775	789	rVB	466136	784236	2.57%	0.372%
4	7.610	845	854	869	rVB	773602	1327484	4.35%	0.630%
5	7.981	909	917	934	rBV	648422	1065260	3.49%	0.506%
6	8.322	968	975	987	rBV	549819	913789	2.99%	0.434%
7	8.769	1044	1051	1060	rBV	425418	757974	2.48%	0.360%
8	9.481	1165	1172	1184	rBV	356914	662166	2.17%	0.314%
9	10.022	1258	1264	1274	rVB	538793	914312	2.99%	0.434%
10	10.398	1318	1328	1330	rBV	873347	1670269	5.47%	0.793%
11	10.463	1330	1339	1346	rVV	13743720	30533277	100.00%	14.499%
12	10.533	1346	1351	1353	rVV	489295	827889	2.71%	0.393%
13	10.563	1353	1356	1363	rVB	563955	893094	2.92%	0.424%
14	12.063	1603	1611	1620	rBV	2292075	3966741	12.99%	1.884%
15	12.286	1638	1649	1660	rVB	1457260	2490578	8.16%	1.183%
16	13.092	1778	1786	1794	rBV	731177	1189362	3.90%	0.565%
17	13.286	1813	1819	1833	rVB	445955	862601	2.83%	0.410%
18	13.421	1833	1842	1843	rBV2	423977	661092	2.17%	0.314%
19	13.580	1862	1869	1874	rBV	576875	1076554	3.53%	0.511%
20	13.633	1874	1878	1881	rVV	381336	546101	1.79%	0.259%
21	13.674	1881	1885	1890	rVV	881252	1285264	4.21%	0.610%
22	13.721	1890	1893	1902	rVB2	221135	424713	1.39%	0.202%
23	13.816	1902	1909	1913	rBV	254343	422551	1.38%	0.201%
24	13.951	1926	1932	1936	rBV	1045792	1726130	5.65%	0.820%
25	14.263	1975	1985	1991	rBV3	1364049	2726191	8.93%	1.295%
26	14.327	1991	1996	2005	rVB	4364807	7087896	23.21%	3.366%
27	14.480	2015	2022	2032	rBV2	413232	902367	2.96%	0.428%
28	14.668	2043	2054	2061	rVV	2333371	3735340	12.23%	1.774%
29	15.262	2149	2155	2159	rBV	1324710	1942298	6.36%	0.922%
30	15.315	2159	2164	2174	rVB	3160948	4811564	15.76%	2.285%
31	15.404	2174	2179	2182	rBV2	353304	578075	1.89%	0.274%
32	15.439	2182	2185	2188	rVV	266860	391189	1.28%	0.186%
33	15.480	2188	2192	2196	rVV3	365556	584897	1.92%	0.278%
34	15.562	2203	2206	2210	rVV	218564	340666	1.12%	0.162%

LSC Area Percent Report

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Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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-BM071416.M
Title : SVOA CALIBRATION

35	15.610	2210	2214	2224	rVB	468849	740581	2.43%	0.352%
36	15.757	2230	2239	2247	rVV2	452340	1072962	3.51%	0.509%
37	16.009	2273	2282	2293	rVB2	225331	515883	1.69%	0.245%
38	16.110	2293	2299	2305	rBV2	214066	366585	1.20%	0.174%
39	16.321	2324	2335	2340	rBV2	367332	817193	2.68%	0.388%
40	16.833	2416	2422	2434	rVB	919485	1453882	4.76%	0.690%
41	17.015	2447	2453	2456	rBV	1624446	2616415	8.57%	1.242%
42	17.062	2456	2461	2466	rVV	8036027	13416971	43.94%	6.371%
43	17.115	2466	2470	2472	rVV2	1481624	2117712	6.94%	1.006%
44	17.151	2472	2476	2481	rVV	3850942	5465454	17.90%	2.595%
45	17.204	2481	2485	2491	rVB3	185634	319949	1.05%	0.152%
46	17.421	2517	2522	2534	rBV	675127	1132119	3.71%	0.538%
47	17.886	2596	2601	2605	rBV	780260	1176419	3.85%	0.559%
48	17.939	2605	2610	2616	rVB	1043302	1548555	5.07%	0.735%
49	18.015	2617	2623	2628	rBV	472567	742035	2.43%	0.352%
50	18.086	2628	2635	2639	rVV2	1767774	3091410	10.12%	1.468%
51	18.121	2639	2641	2647	rVB	512566	579213	1.90%	0.275%
52	18.392	2682	2687	2692	rBV	686508	927380	3.04%	0.440%
53	18.809	2753	2758	2763	rBV2	301614	554356	1.82%	0.263%
54	19.086	2798	2805	2811	rBV	7249126	11618721	38.05%	5.517%
55	19.227	2825	2829	2834	rBV	435177	636933	2.09%	0.302%
56	19.321	2840	2845	2855	rVB2	308651	649271	2.13%	0.308%
57	19.415	2855	2861	2863	rVV3	3098727	4747359	15.55%	2.254%
58	19.450	2863	2867	2875	rVV	5921535	9438246	30.91%	4.482%
59	19.515	2875	2878	2885	rVB3	358801	558509	1.83%	0.265%
60	19.627	2891	2897	2903	rBV	471058	674546	2.21%	0.320%
61	19.768	2915	2921	2928	rBV3	414094	1055162	3.46%	0.501%
62	19.945	2946	2951	2956	rVB	1728022	2496964	8.18%	1.186%
63	20.045	2963	2968	2972	rBV	1896266	2528396	8.28%	1.201%
64	20.103	2972	2978	2981	rVV2	577836	1017667	3.33%	0.483%
65	20.139	2981	2984	2988	rVV	270146	364646	1.19%	0.173%
66	20.239	2997	3001	3005	rVV	297446	416413	1.36%	0.198%
67	20.286	3005	3009	3019	rVB2	361224	662223	2.17%	0.314%
68	20.539	3048	3052	3054	rVV	217671	312464	1.02%	0.148%
69	20.650	3067	3071	3076	rBV	245499	421402	1.38%	0.200%
70	20.856	3102	3106	3109	rBV	618279	755496	2.47%	0.359%
71	20.897	3109	3113	3116	rVV	540455	628570	2.06%	0.298%

LSC Area Percent Report

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Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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-BM071416.M
Title : SVOA CALIBRATION

72	20.933	3116	3119	3124	rVV2	502384	773002	2.53%	0.367%
73	21.097	3140	3147	3155	rBV	238186	541275	1.77%	0.257%
74	21.203	3155	3165	3170	rVV3	4489901	9848999	32.26%	4.677%
75	21.250	3170	3173	3181	rVB	3631889	4683004	15.34%	2.224%
76	21.368	3189	3193	3198	rBV	824819	1139688	3.73%	0.541%
77	21.421	3198	3202	3206	rVV	310585	413019	1.35%	0.196%
78	21.474	3207	3211	3215	rVB	341892	418619	1.37%	0.199%
79	21.521	3215	3219	3224	rBV2	460401	780449	2.56%	0.371%
80	21.750	3253	3258	3263	rVB	478517	822447	2.69%	0.391%
81	21.803	3264	3267	3273	rVB	313996	411077	1.35%	0.195%
82	21.909	3281	3285	3288	rVV2	385592	559298	1.83%	0.266%
83	21.944	3288	3291	3294	rVV	425368	661876	2.17%	0.314%
84	21.980	3294	3297	3303	rVV2	633000	982756	3.22%	0.467%
85	22.044	3304	3308	3313	rVB3	231051	391536	1.28%	0.186%
86	22.509	3383	3387	3396	rBV2	175578	327939	1.07%	0.156%
87	22.756	3422	3429	3433	rBV	2601265	5887795	19.28%	2.796%
88	22.921	3451	3457	3463	rBV	666306	1084989	3.55%	0.515%
89	23.044	3474	3478	3486	rBV2	161594	448602	1.47%	0.213%
90	23.221	3501	3508	3512	rBV	1481395	2834765	9.28%	1.346%
91	23.268	3512	3516	3520	rVV2	1336957	2680047	8.78%	1.273%
92	23.315	3520	3524	3531	rVB	2456032	4408367	14.44%	2.093%
93	23.409	3533	3540	3544	rVV	1699324	3252024	10.65%	1.544%
94	23.456	3544	3548	3556	rVB	754919	1447380	4.74%	0.687%
95	24.250	3678	3683	3694	rVB	249822	588987	1.93%	0.280%
96	24.485	3717	3723	3736	rVB2	122527	360871	1.18%	0.171%
97	25.603	3903	3913	3923	rVB	1236554	3616061	11.84%	1.717%
98	25.850	3949	3955	3962	rVB	206102	472477	1.55%	0.224%
99	26.274	4017	4027	4042	rBV2	785697	2560928	8.39%	1.216%
100	26.626	4080	4087	4104	rVB3	310805	1084329	3.55%	0.515%

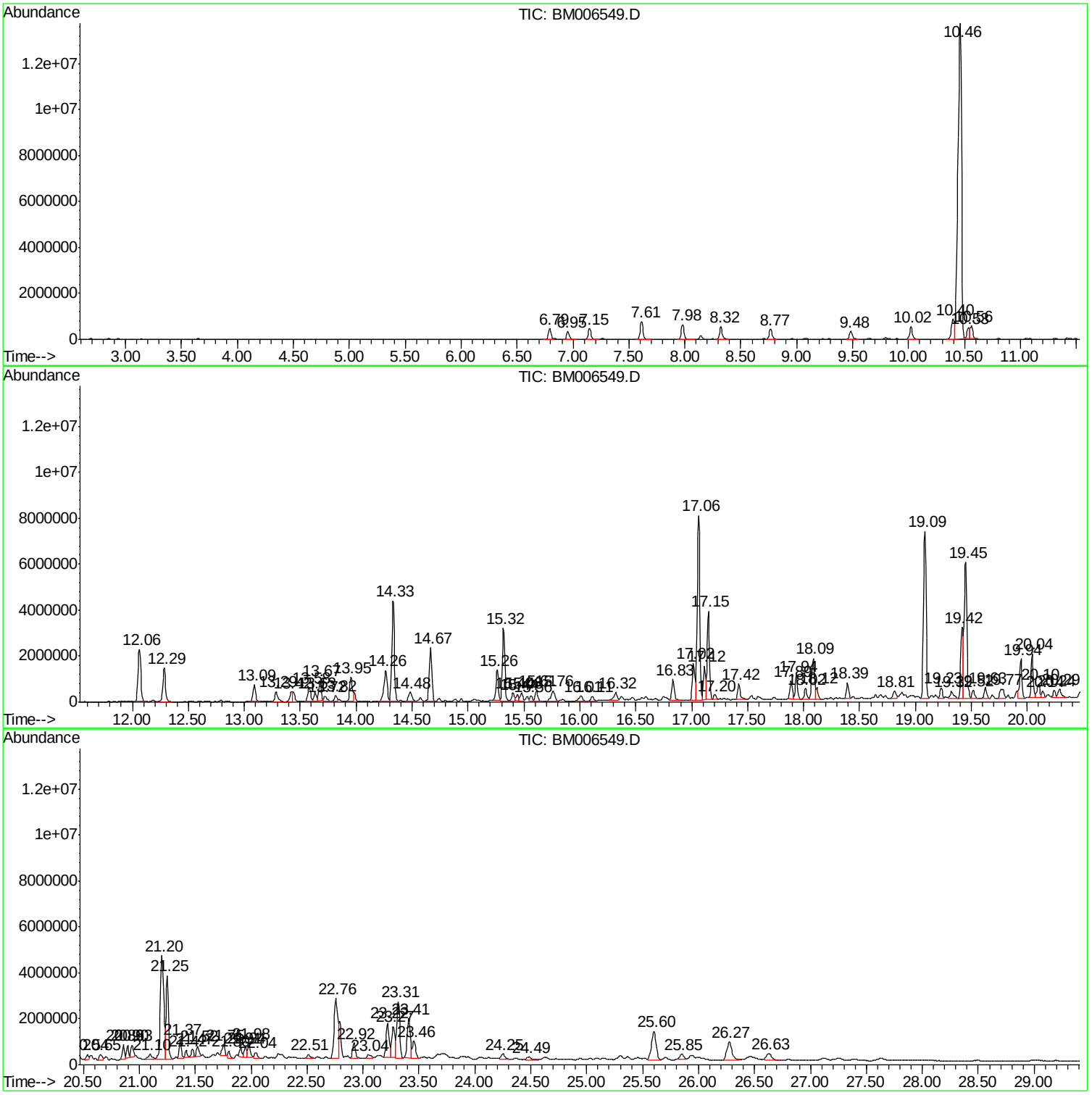
Sum of corrected areas: 210593336

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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



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Acq On : 20 Jul 2016 10:06
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Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

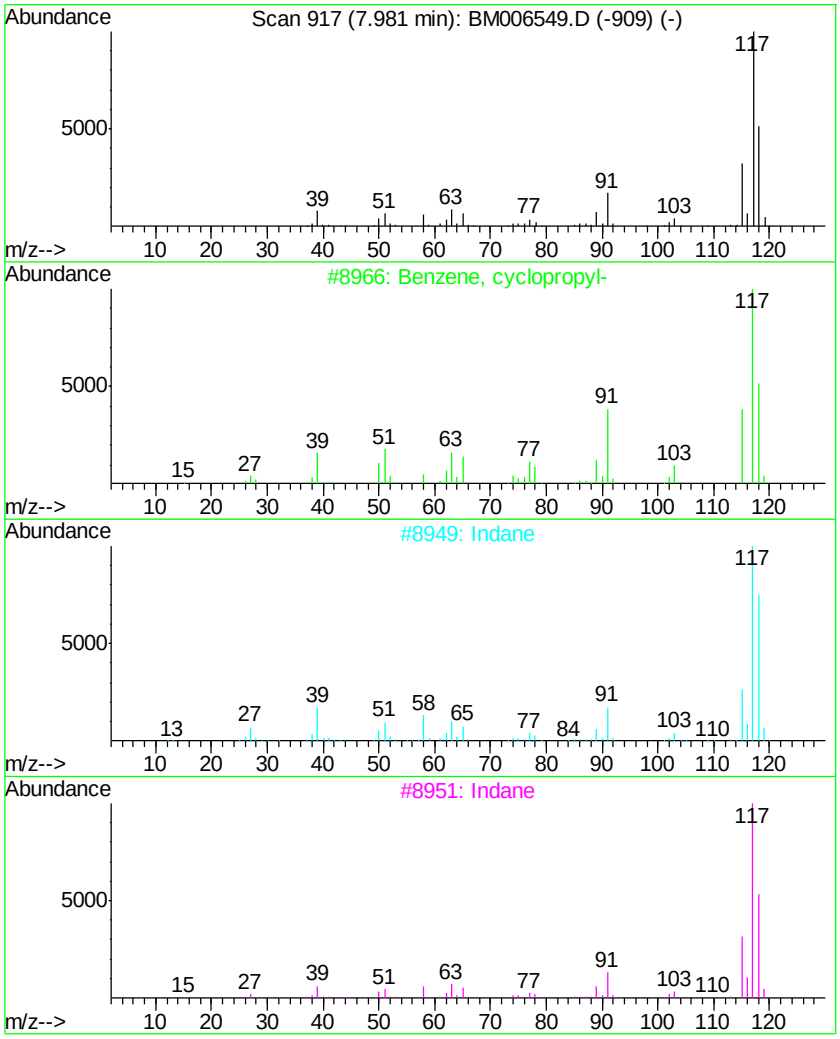
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

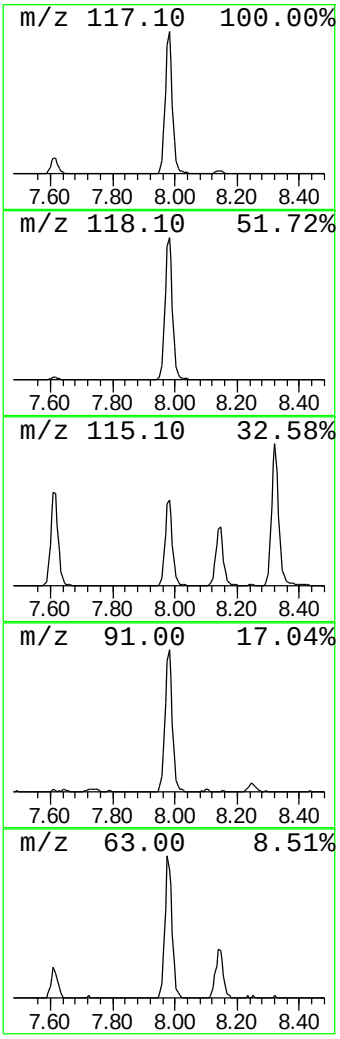
****

Peak Number 1 Benzene, cyclopropyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	16.05 ng/ul	1065260	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Deltacyclene	118	C9H10	007785-10-6	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

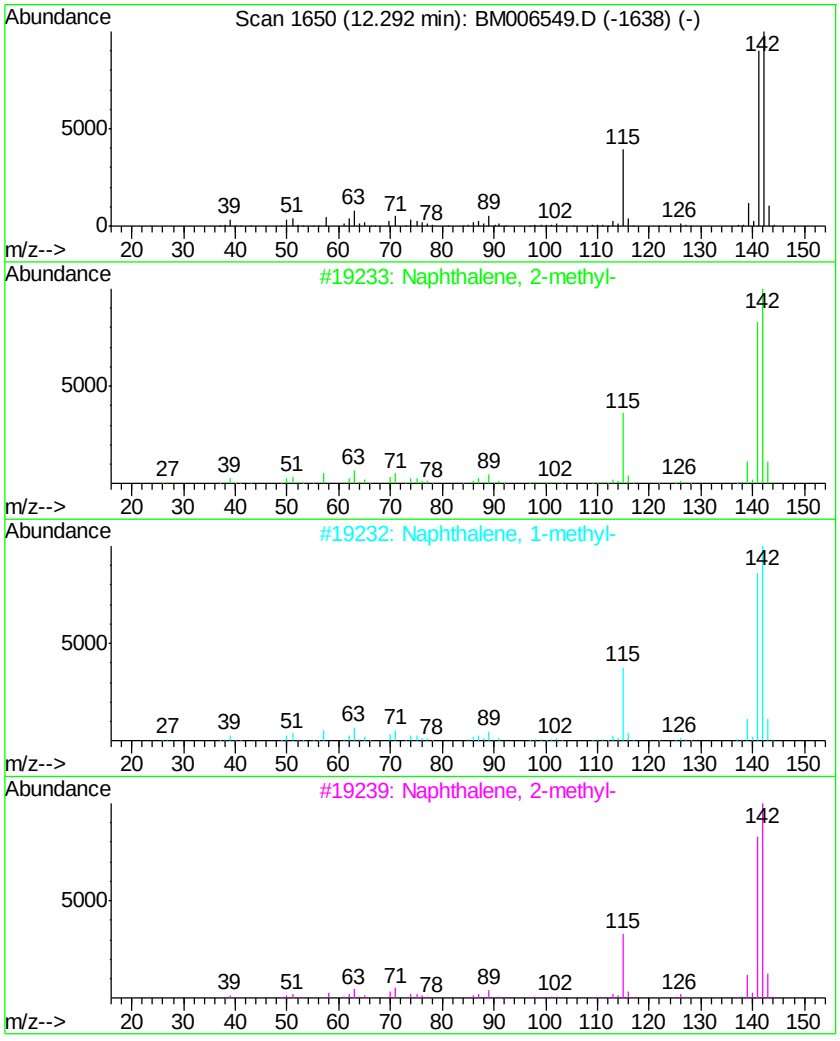
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

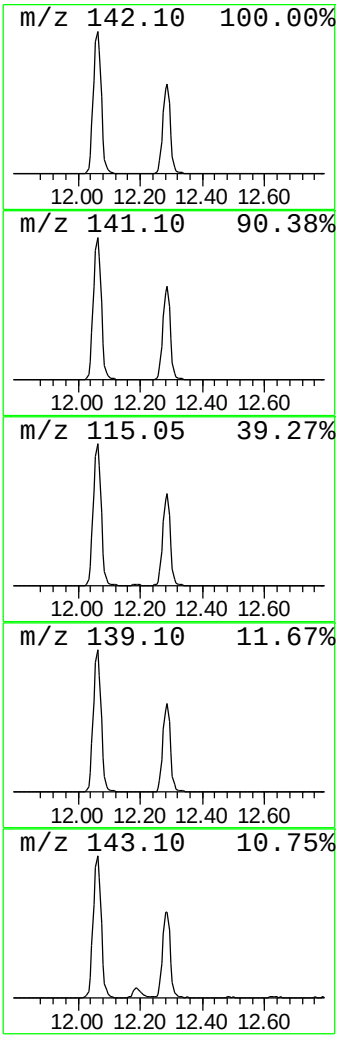
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	29.82 ng/ul	2490580	Naphthalene-d8	10.40

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, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
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Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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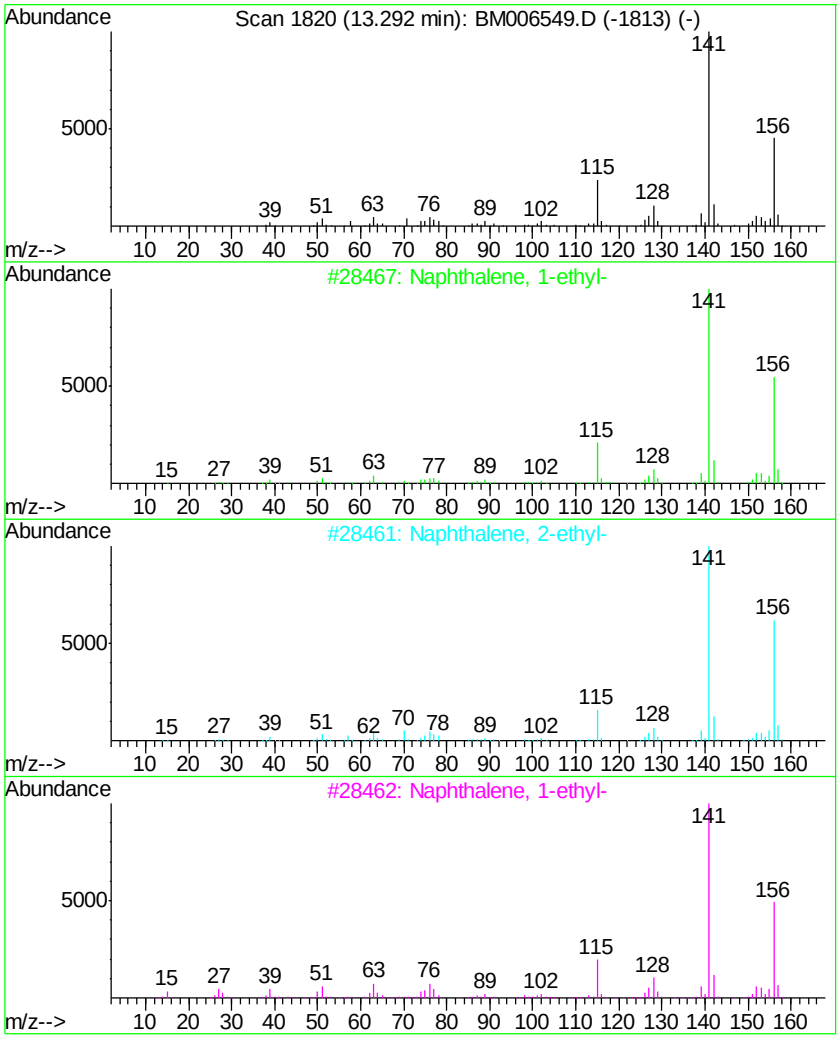
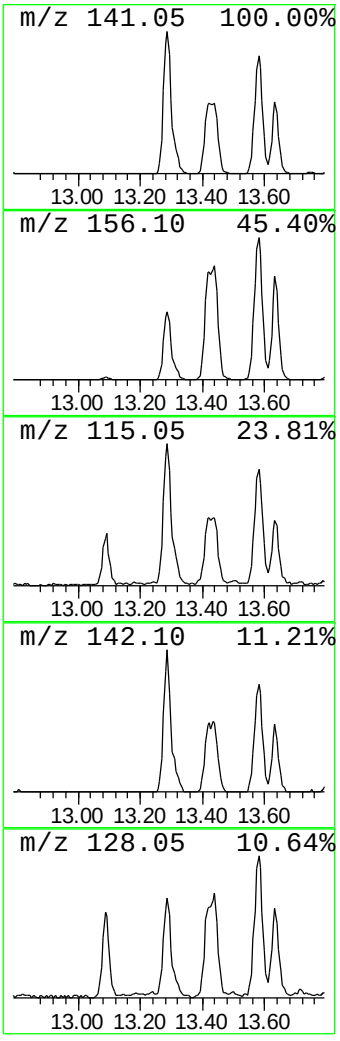
Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	6.33 ng/ul	862601	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

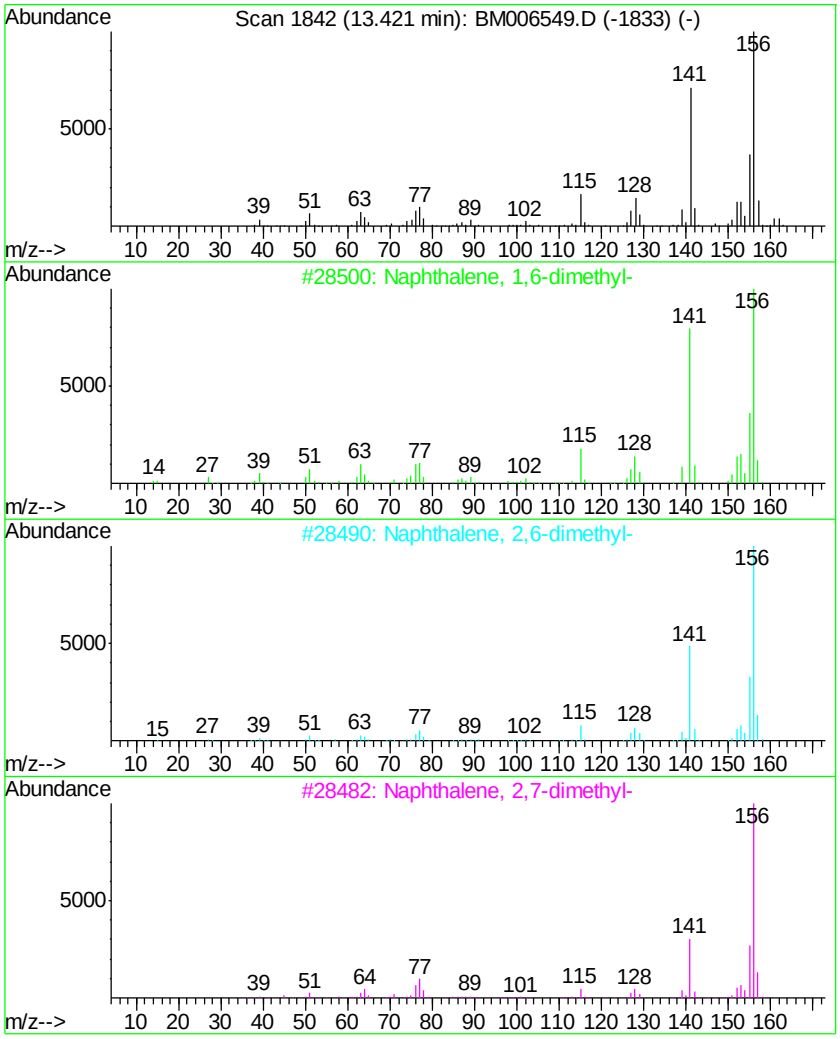
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

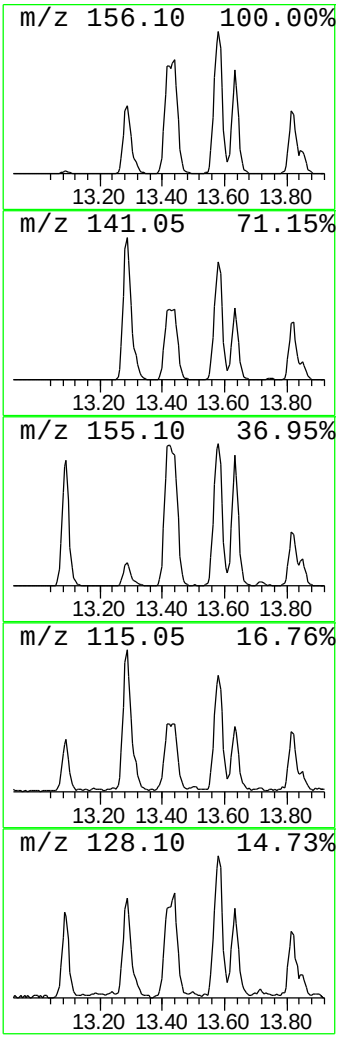
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	4.85 ng/ul	661092	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

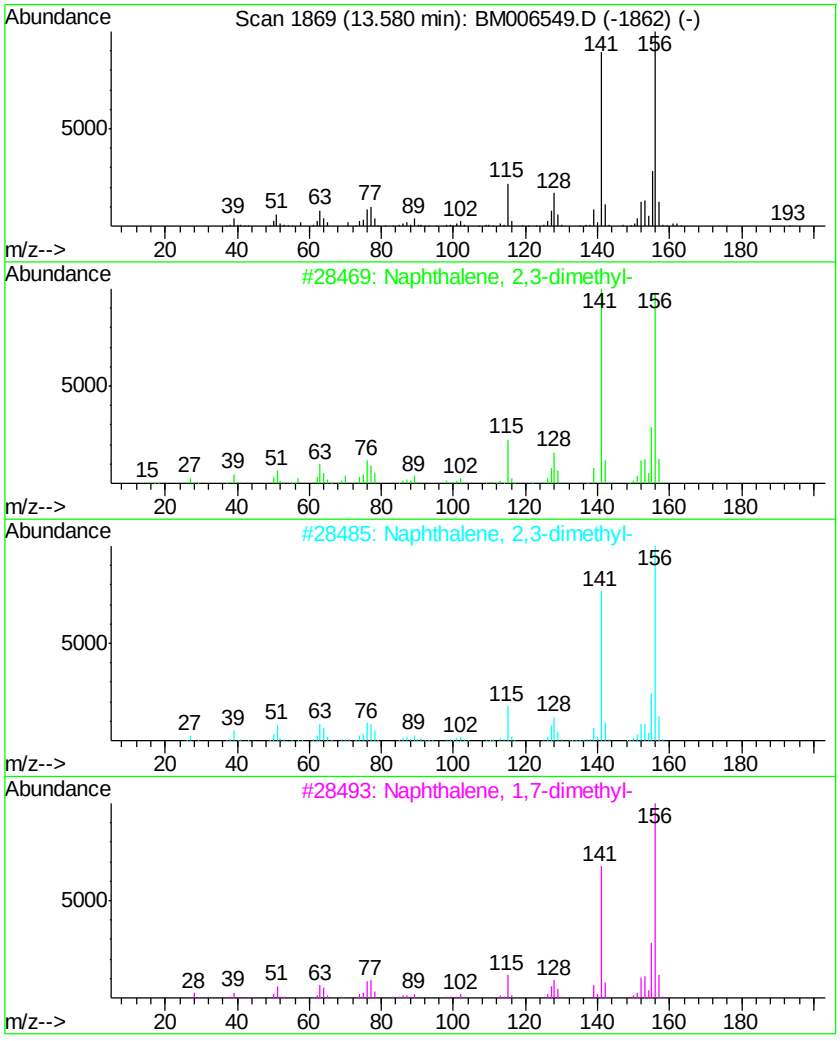
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

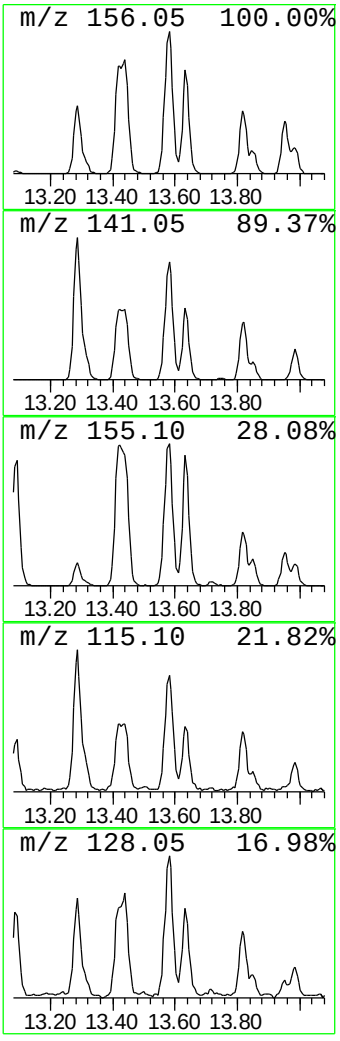
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	7.90 ng/ul	1076550	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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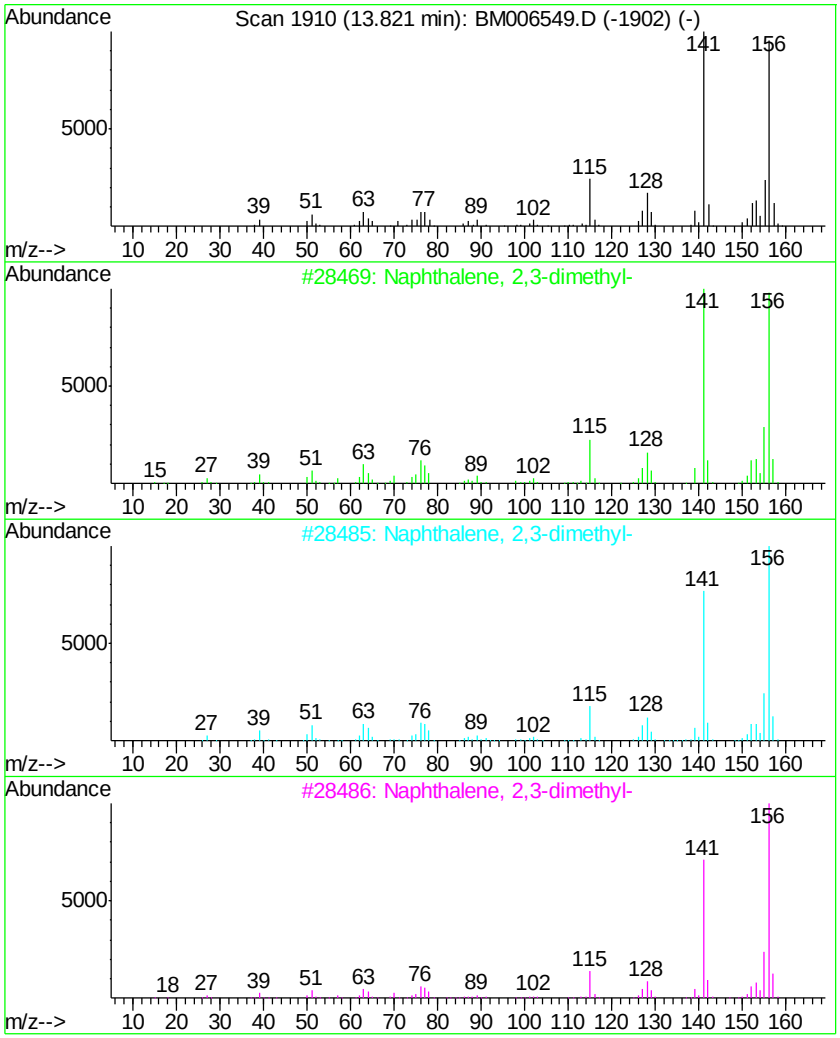
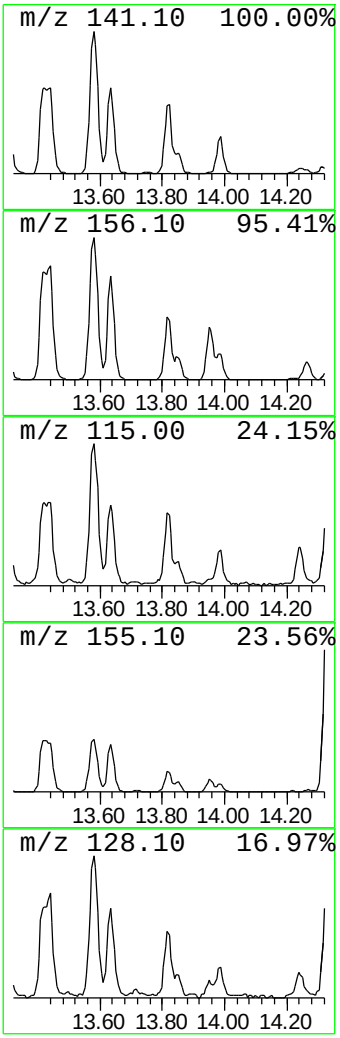
Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.10 ng/ul	422551	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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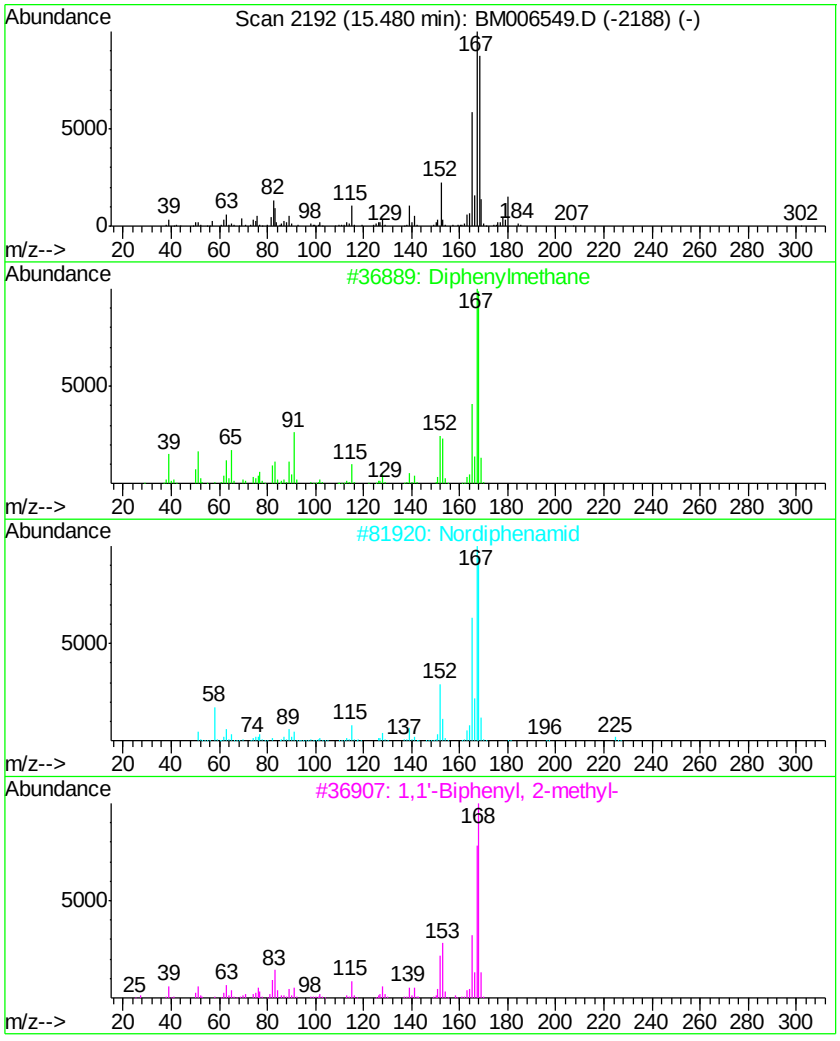
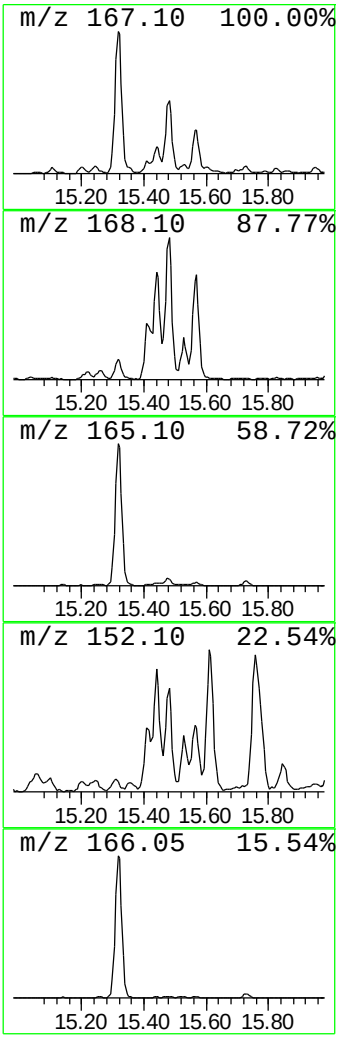
Peak Number 7 Diphenylmethane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	4.29 ng/ul	584897	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	Nordiphenamid	225	C15H15NO	000954-21-2	72
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68





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Quant Title : SVOA CALIBRATION

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

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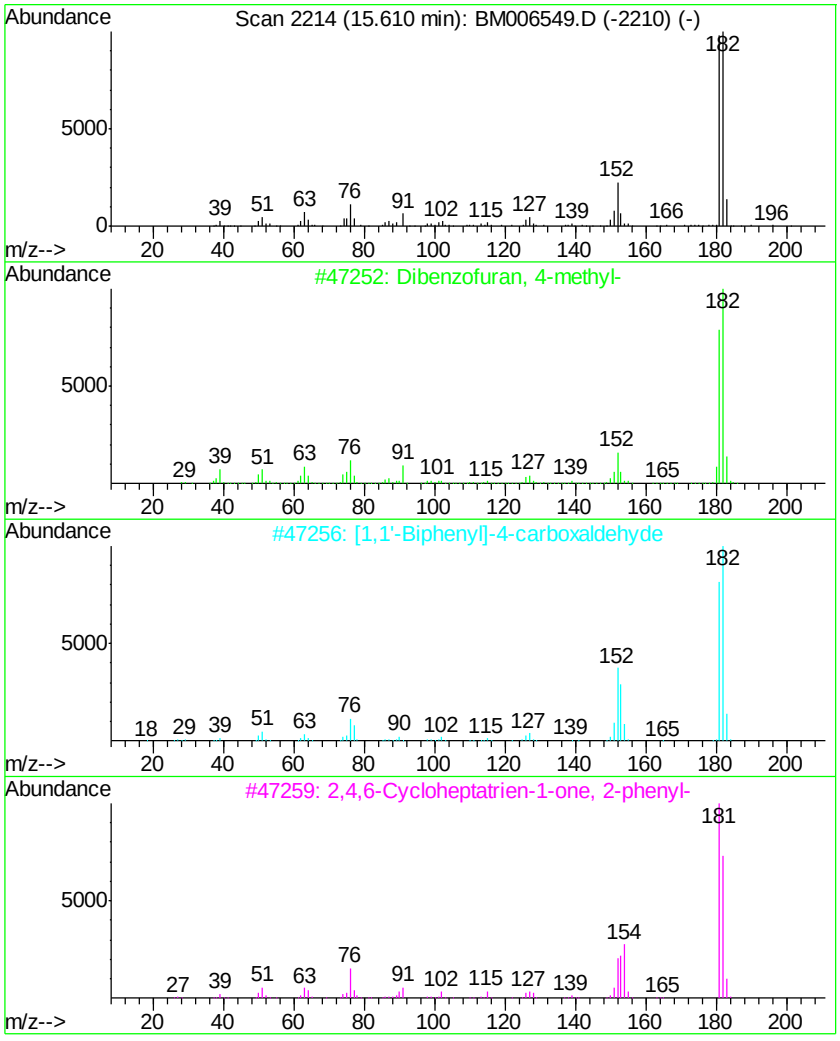
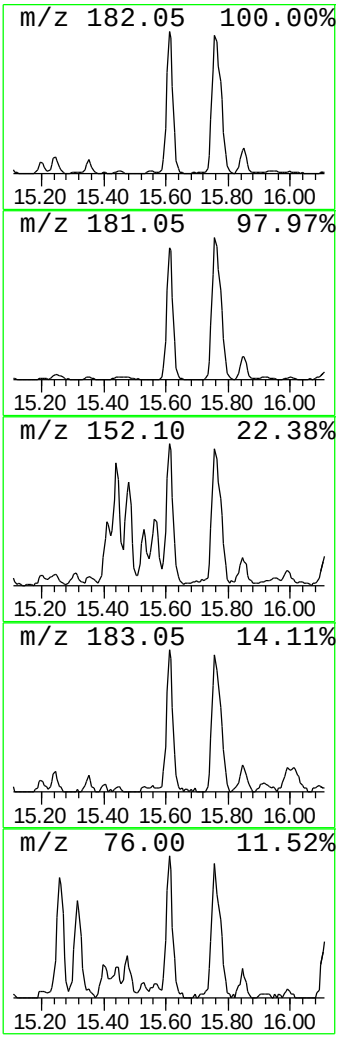
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	5.43 ng/ul	740581	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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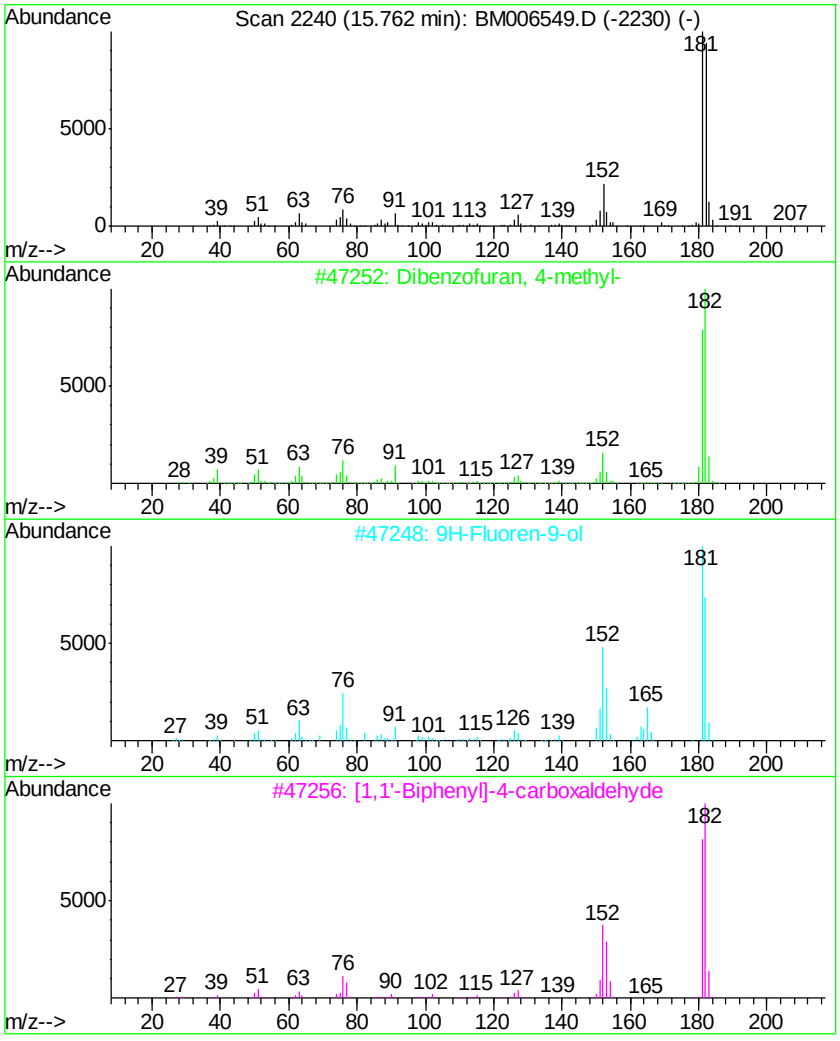
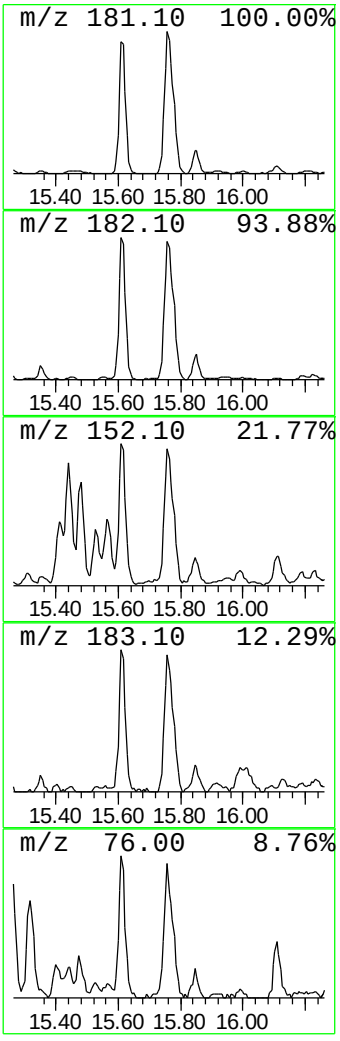
Peak Number 10 9H-Fluoren-9-ol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	8.20 ng/ul	1072960	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Quant Title : SVOA CALIBRATION

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

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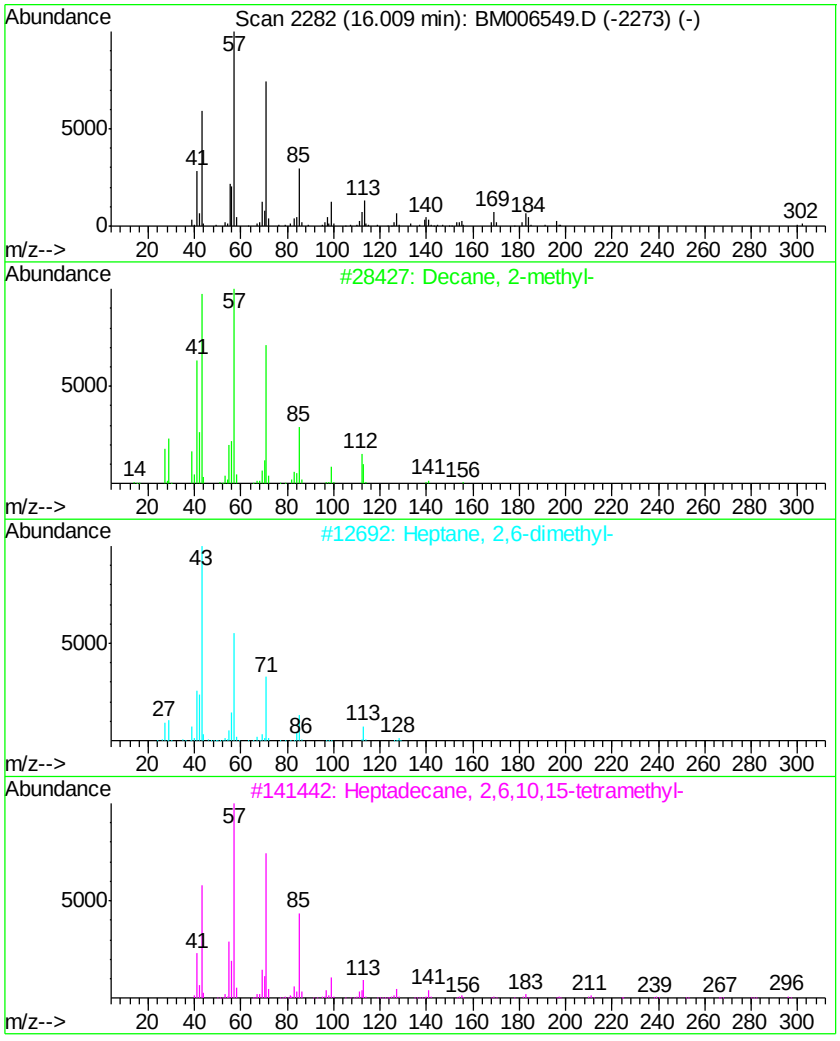
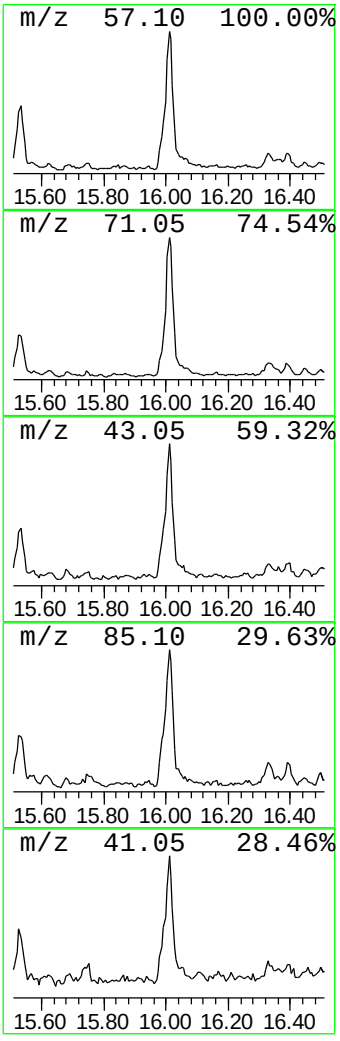
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	3.94 ng/ul	515883	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	86
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	83
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4	Decane, 2-methyl-	156	C11H24	006975-98-0	80
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72





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Quant Title : SVOA CALIBRATION

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

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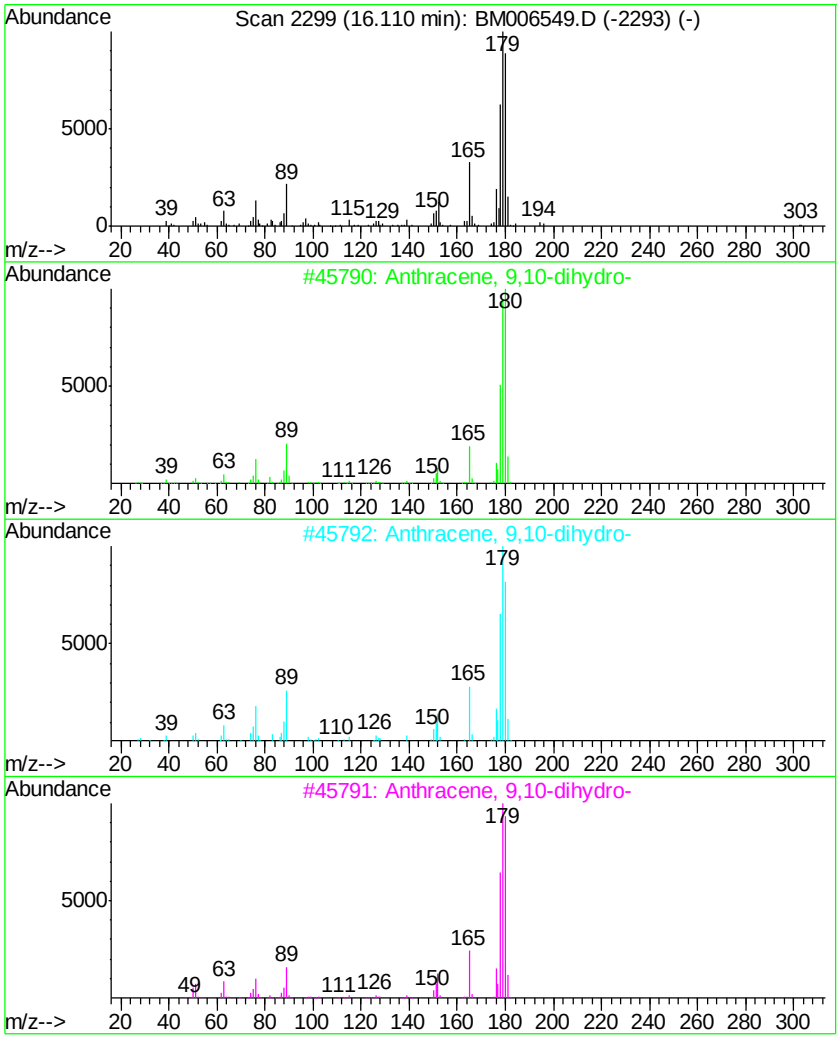
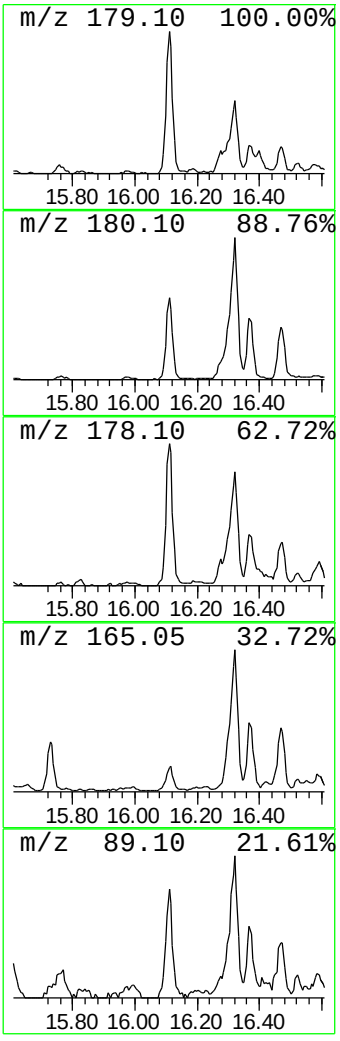
Peak Number 12 Anthracene, 9,10-dihydro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	2.80 ng/ul	366585	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	(E)-Stilbene	180	C14H12	000103-30-0	94
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94





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Misc :
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Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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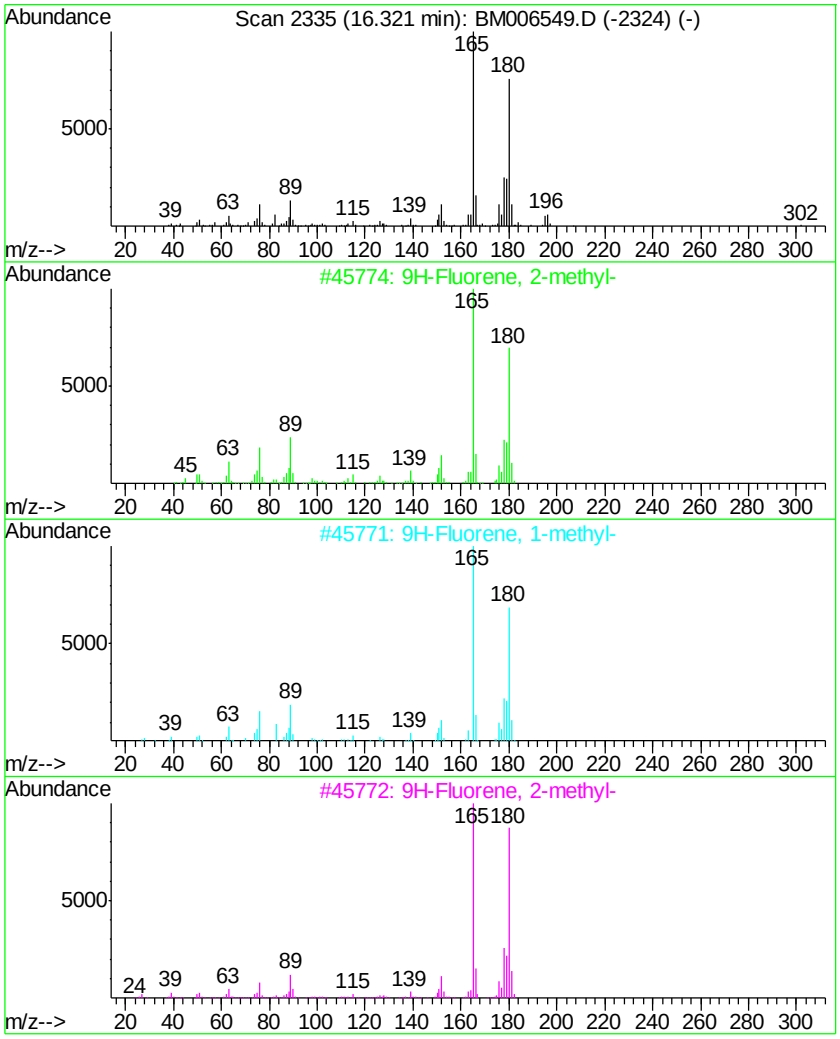
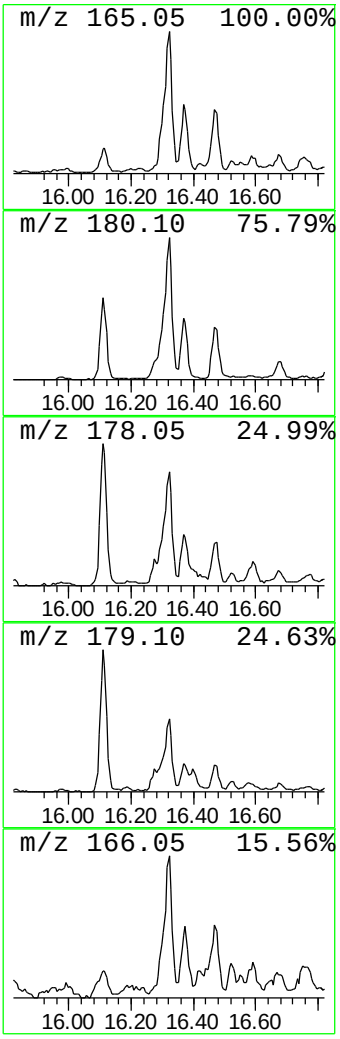
Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	6.25 ng/ul	817193	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





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Quant Title : SVOA CALIBRATION

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

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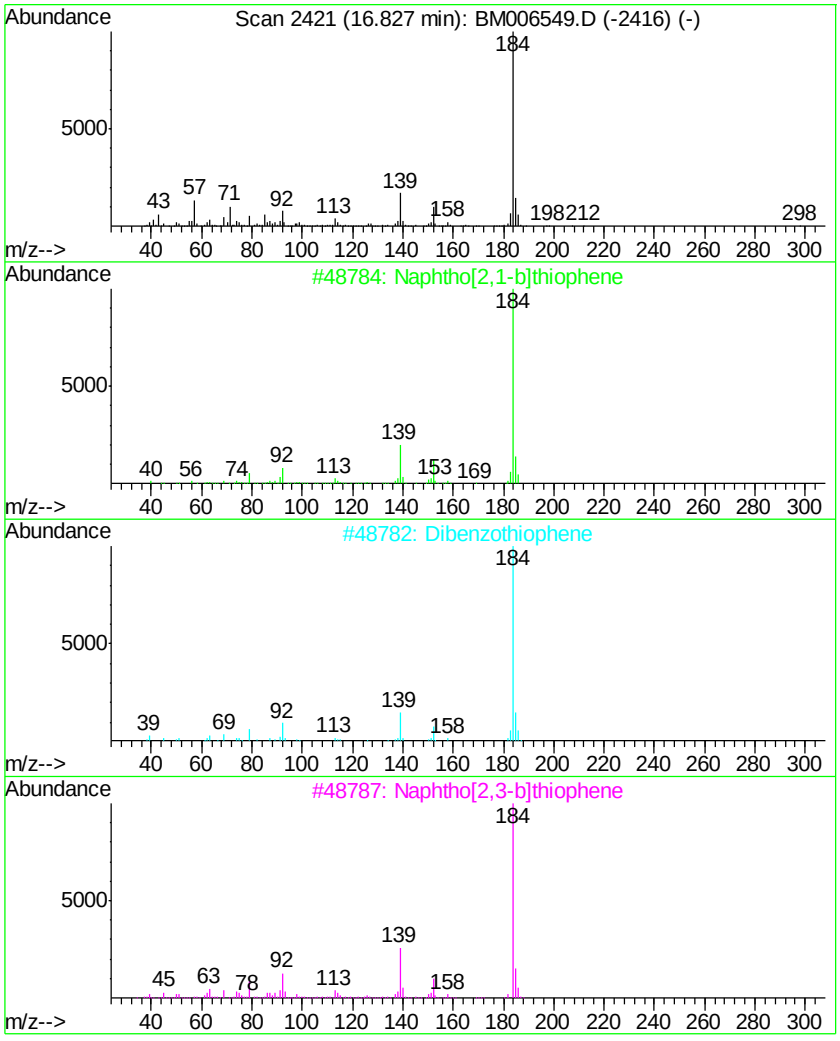
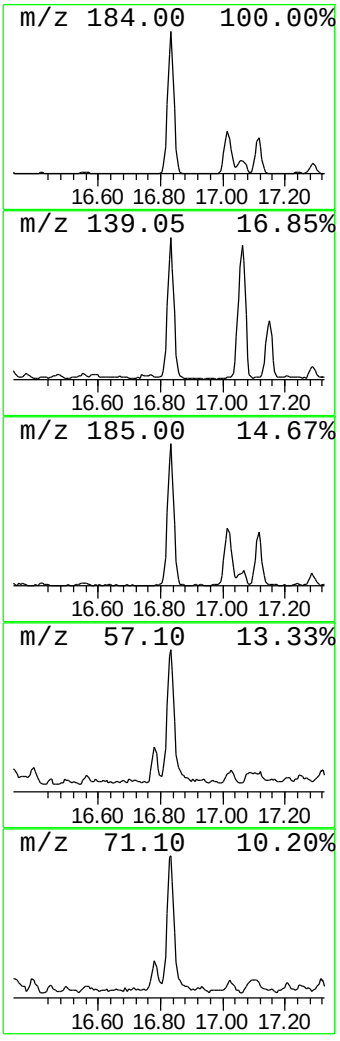
Peak Number 14 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	11.11 ng/ul	1453880	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94





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Quant Title : SVOA CALIBRATION

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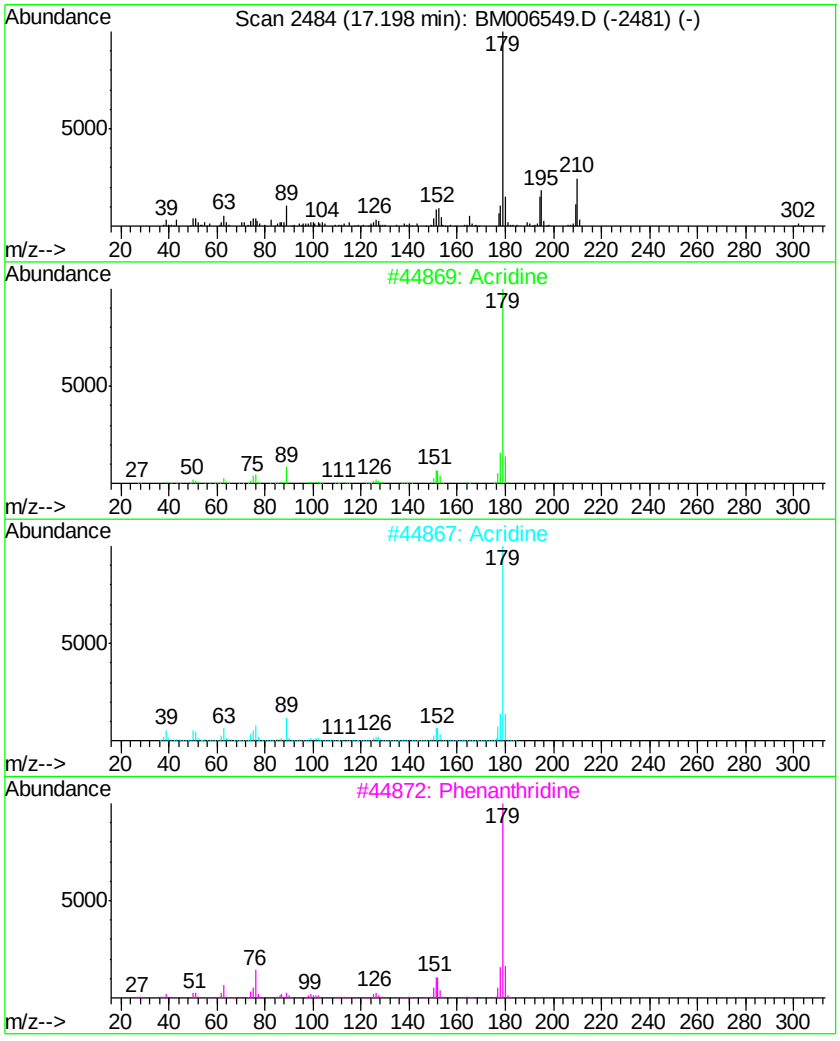
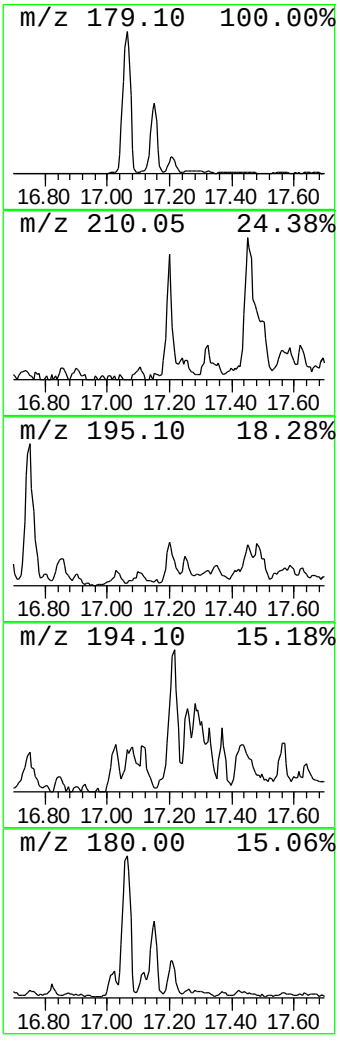
Peak Number 15 Acridine Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.45 ng/ul	319949	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Acridine	179	C13H9N	000260-94-6	89
3	Phenanthridine	179	C13H9N	000229-87-8	86
4	Phenanthridine	179	C13H9N	000229-87-8	86
5	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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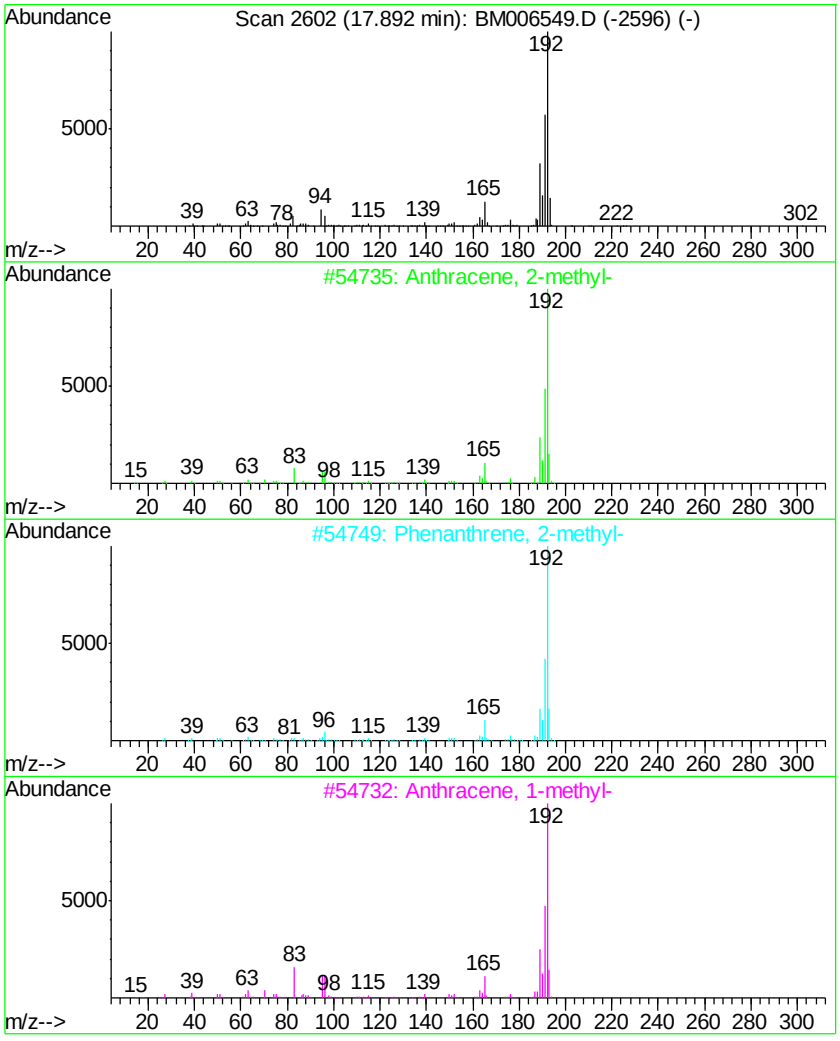
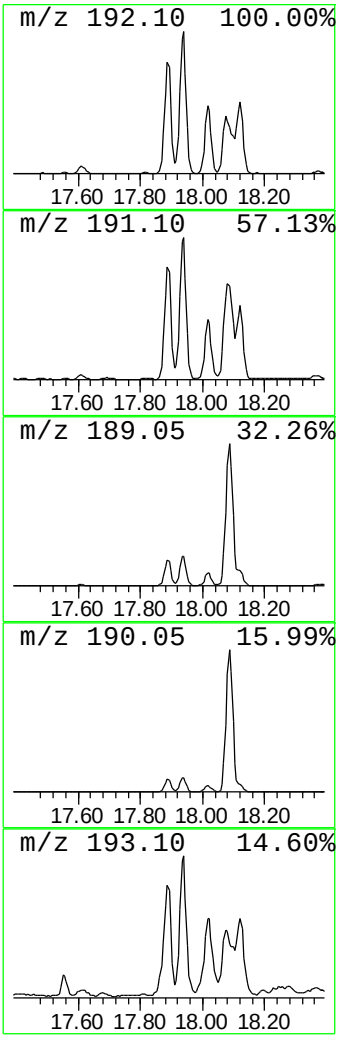
Peak Number 16 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	8.99 ng/ul	1176420	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Quant Title : SVOA CALIBRATION

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

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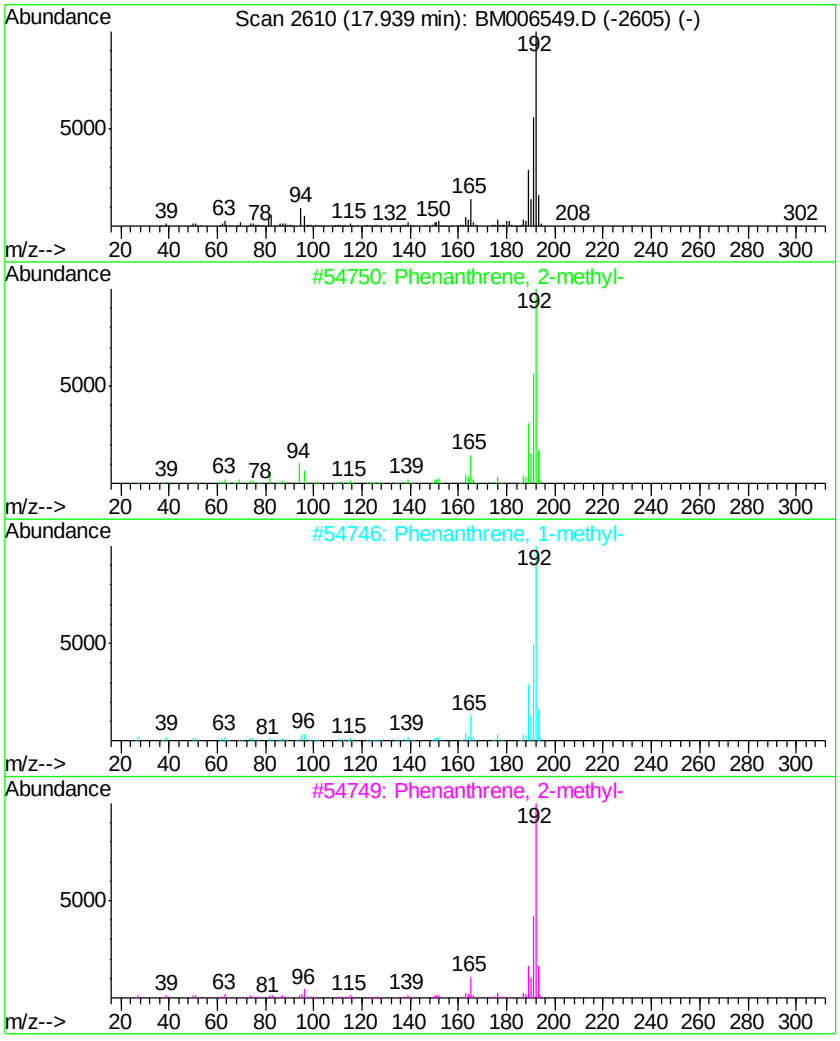
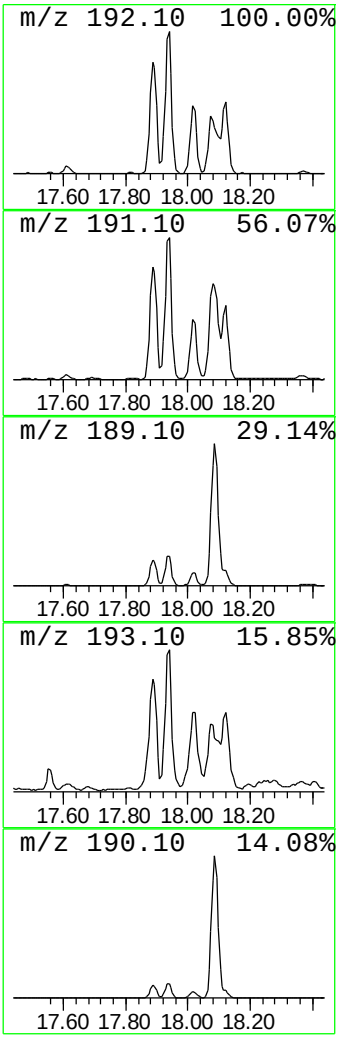
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	11.84 ng/ul	1548560	Phenanthrene-d10	17.02

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
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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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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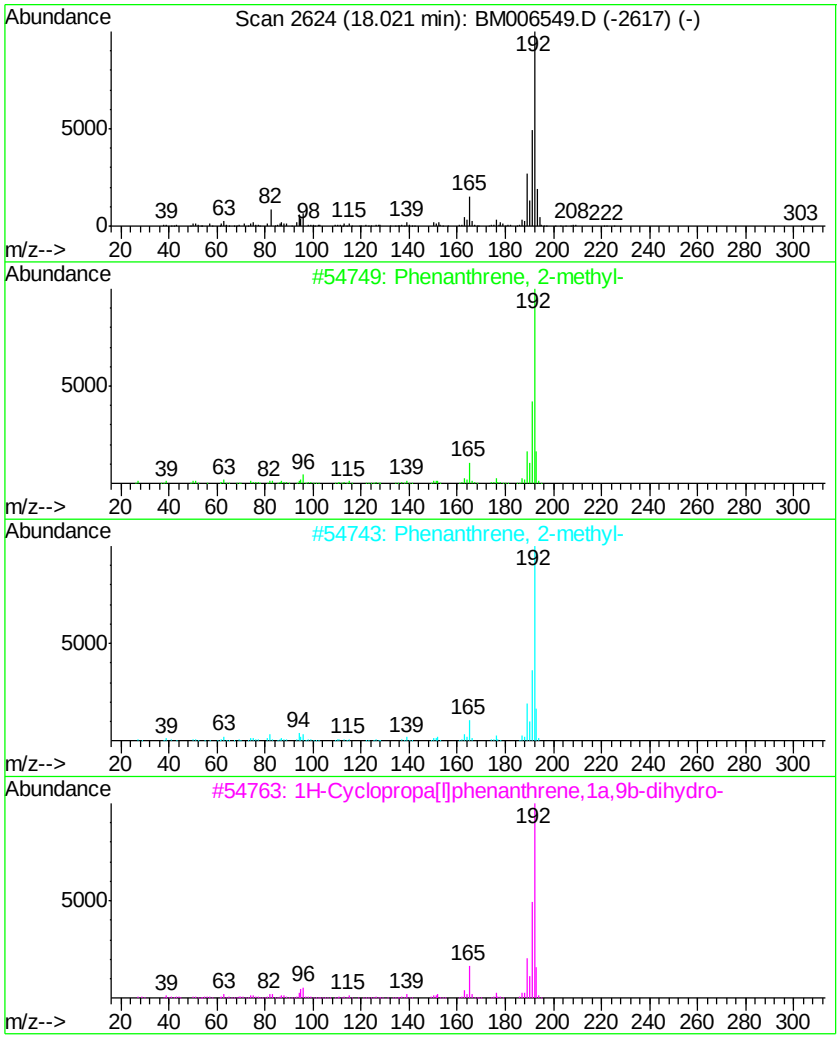
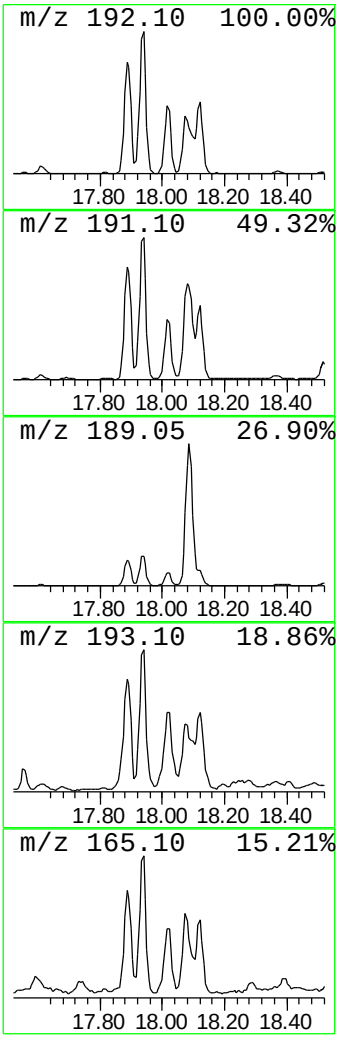
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	5.67 ng/ul	742035	Phenanthrene-d10	17.02

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





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Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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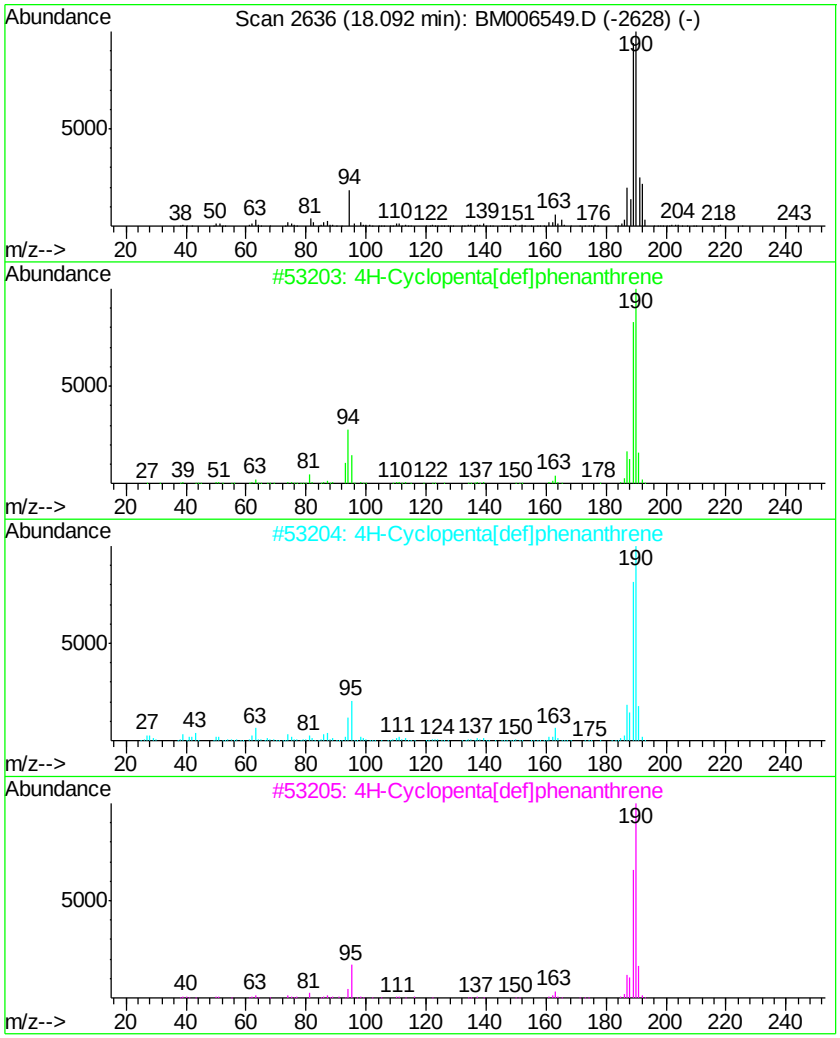
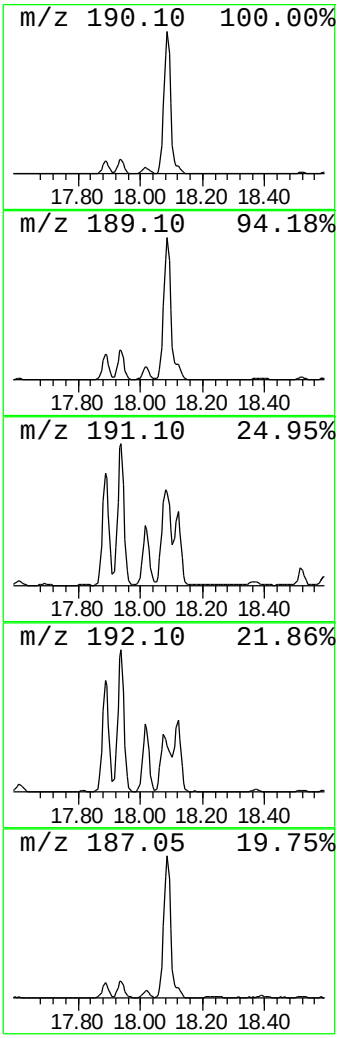
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	23.63 ng/ul	3091410	Phenanthrene-d10	17.02

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	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





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Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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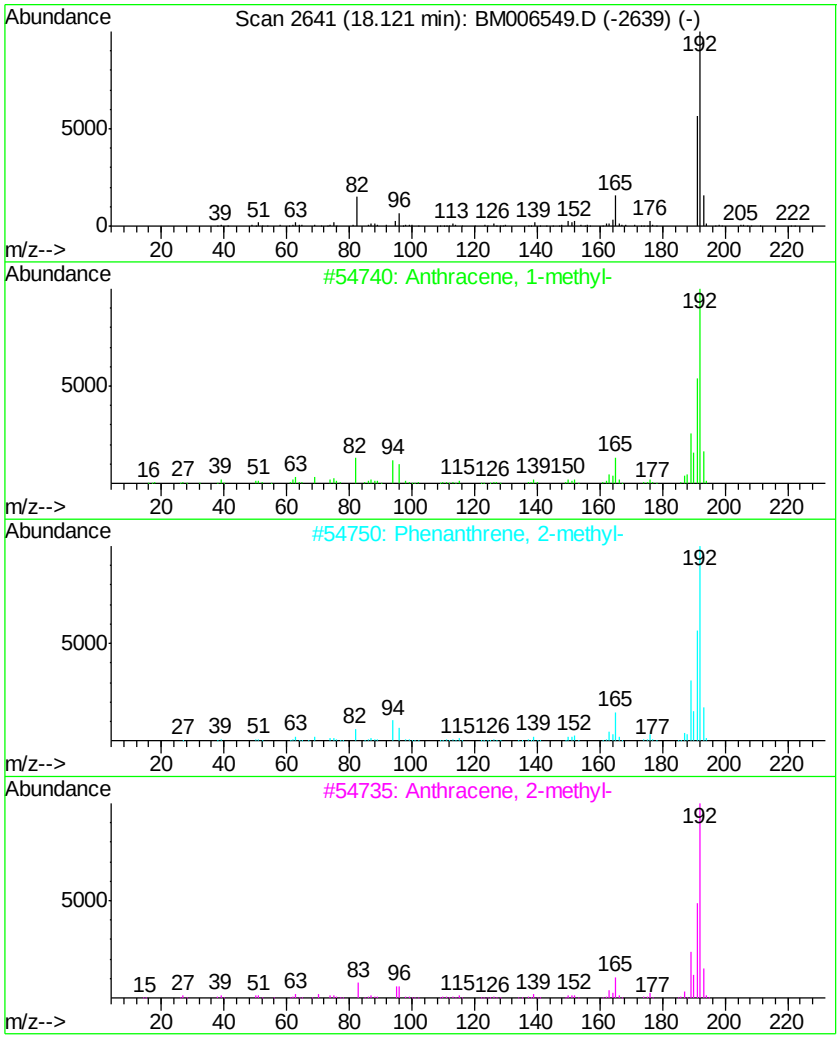
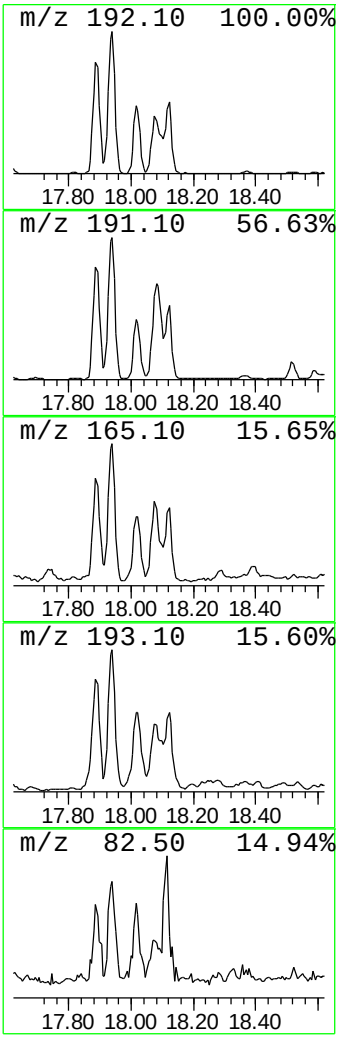
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.43 ng/ul	579213	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Quant Title : SVOA CALIBRATION

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

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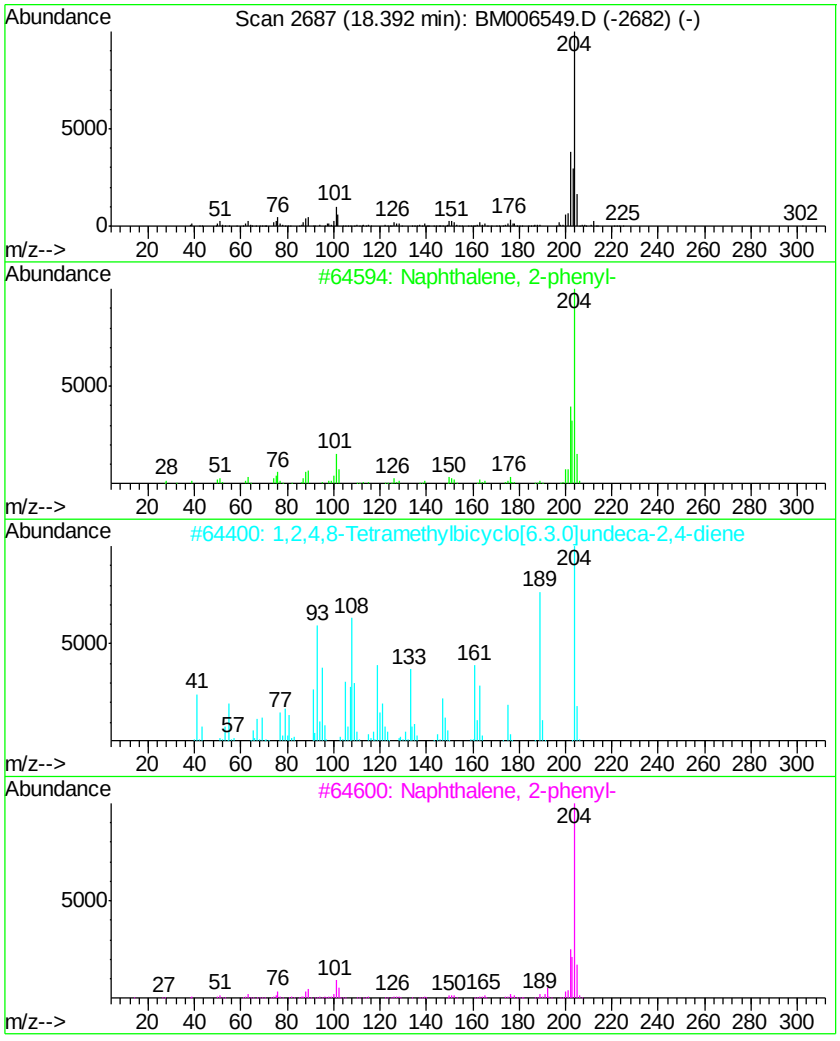
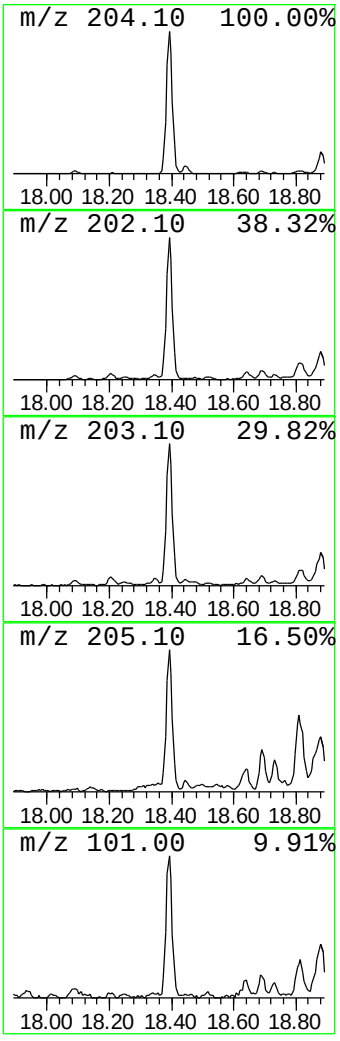
Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	7.09 ng/ul	927380	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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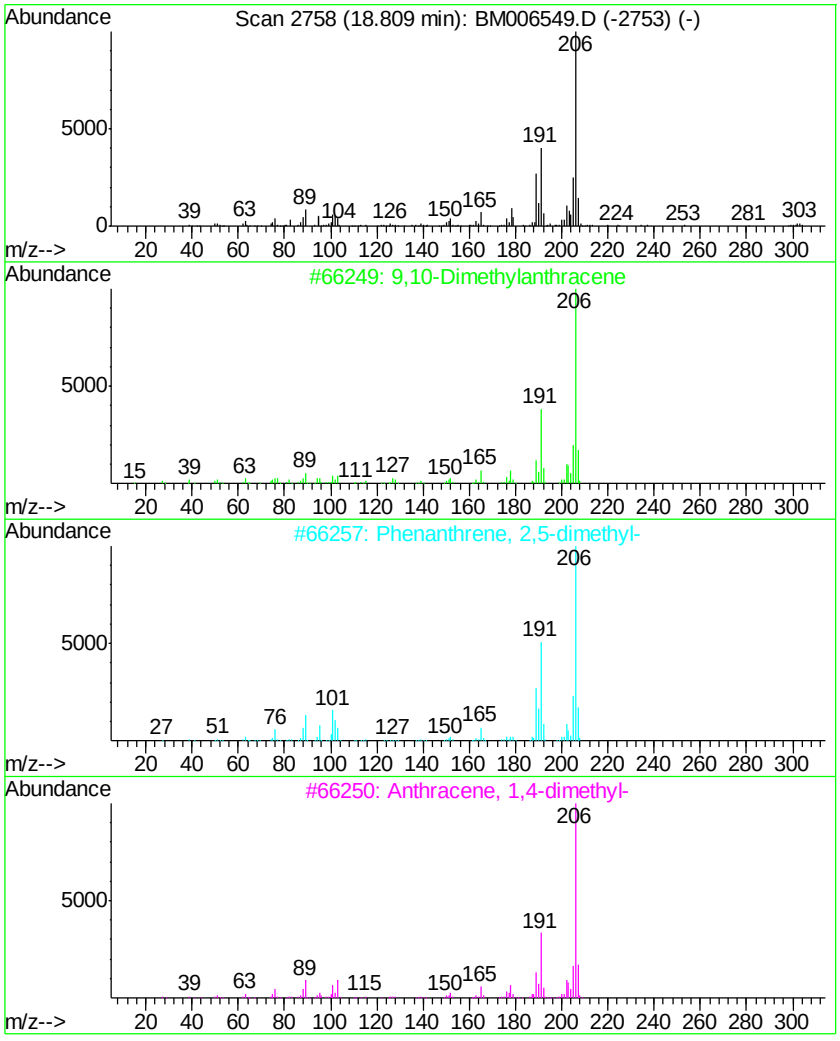
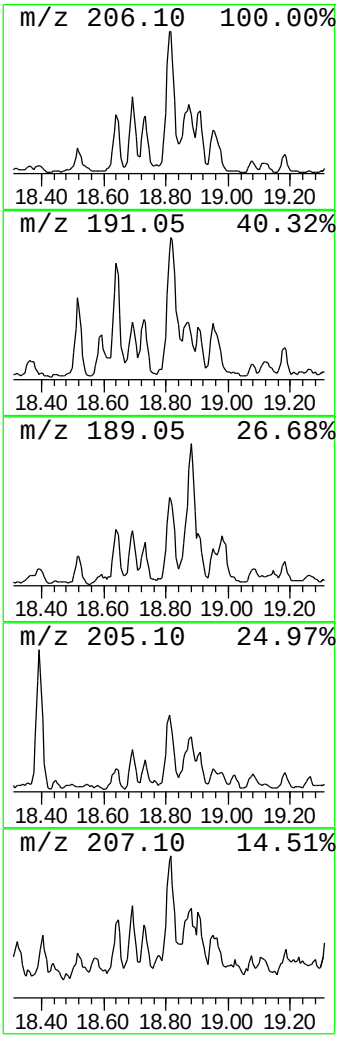
Peak Number 22 9,10-Dimethylanthracene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	4.24 ng/ul	554356	Phenanthrene-d10	17.02

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	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





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Sample : H3959-06
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Quant Title : SVOA CALIBRATION

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

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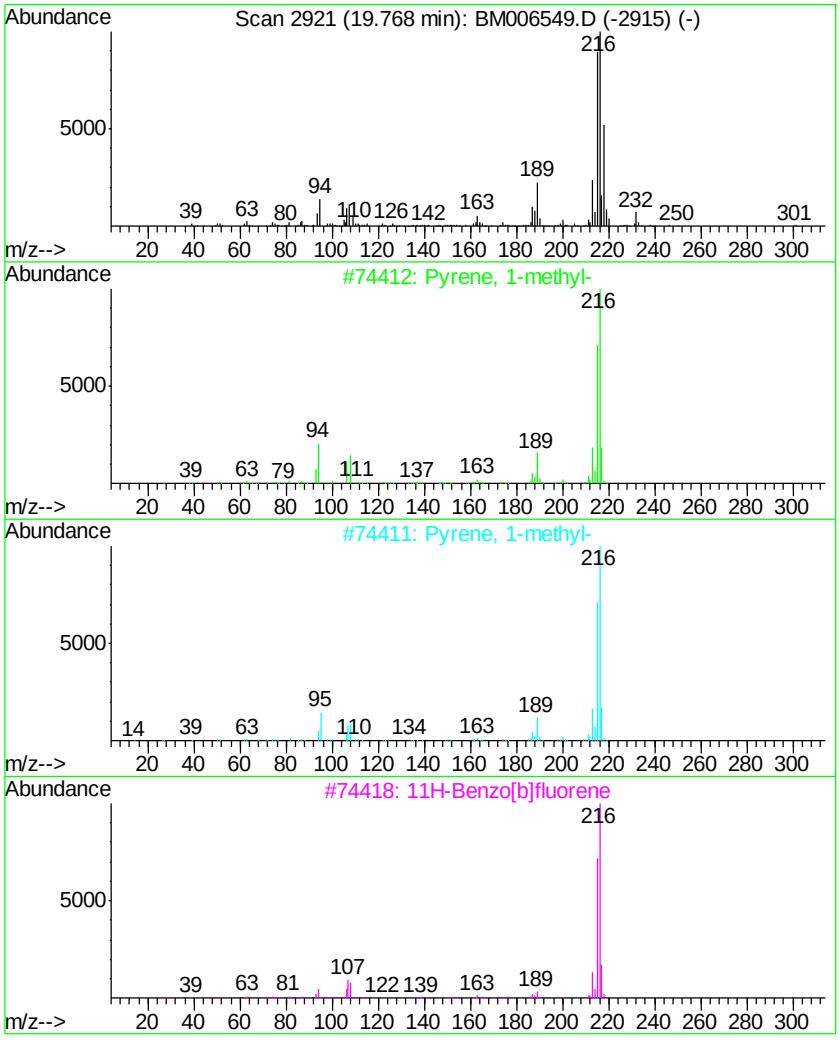
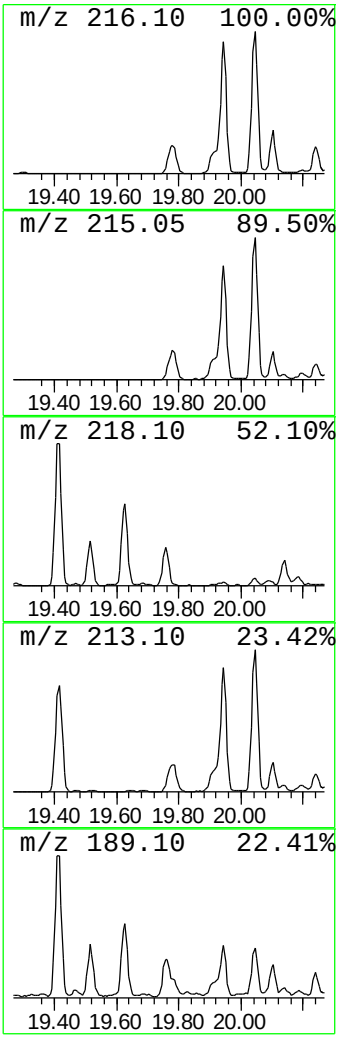
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.14 ng/ul	1055160	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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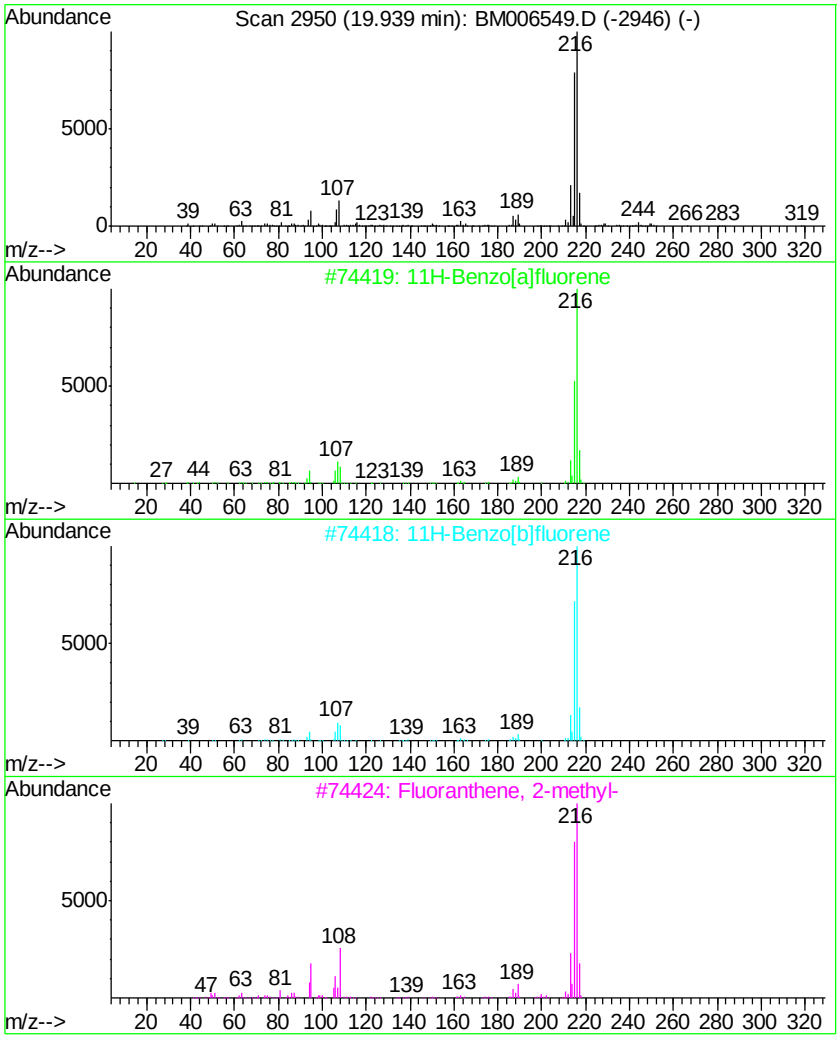
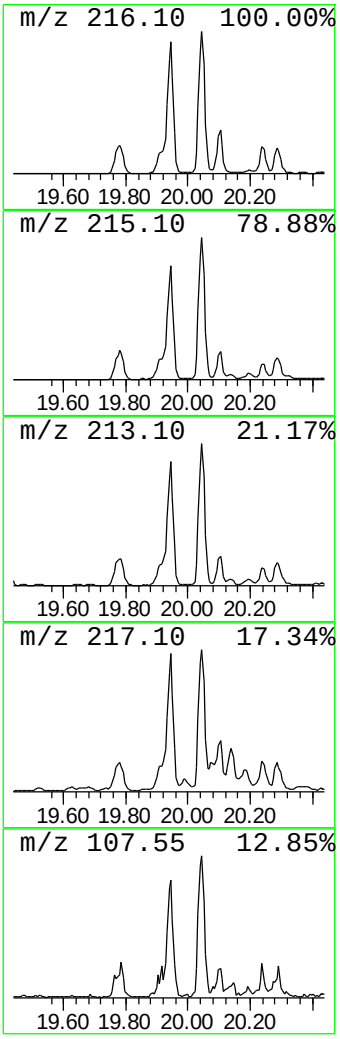
Peak Number 24 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	5.07 ng/ul	2496960	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Misc :
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Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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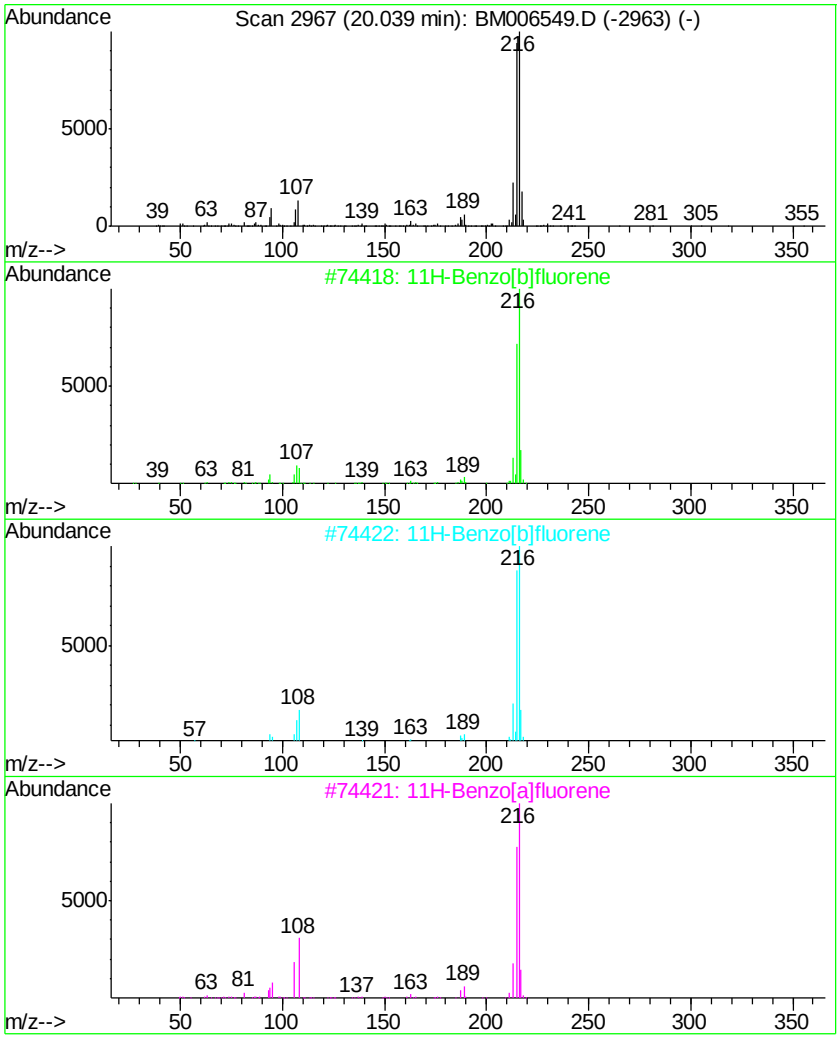
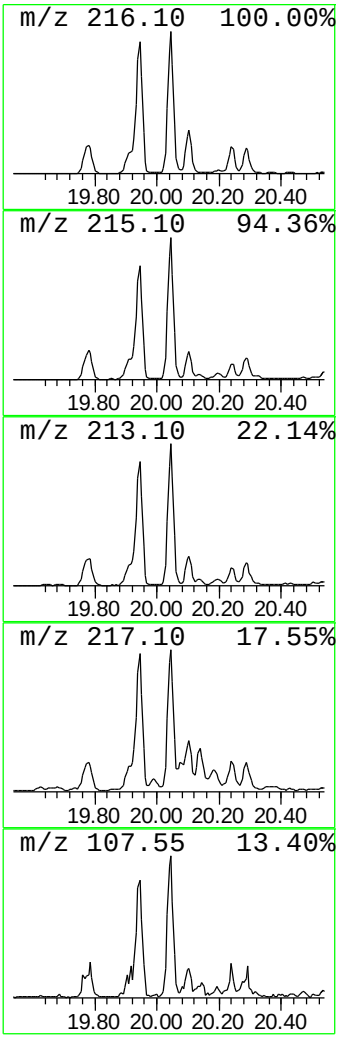
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	5.13 ng/ul	2528400	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Quant Title : SVOA CALIBRATION

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

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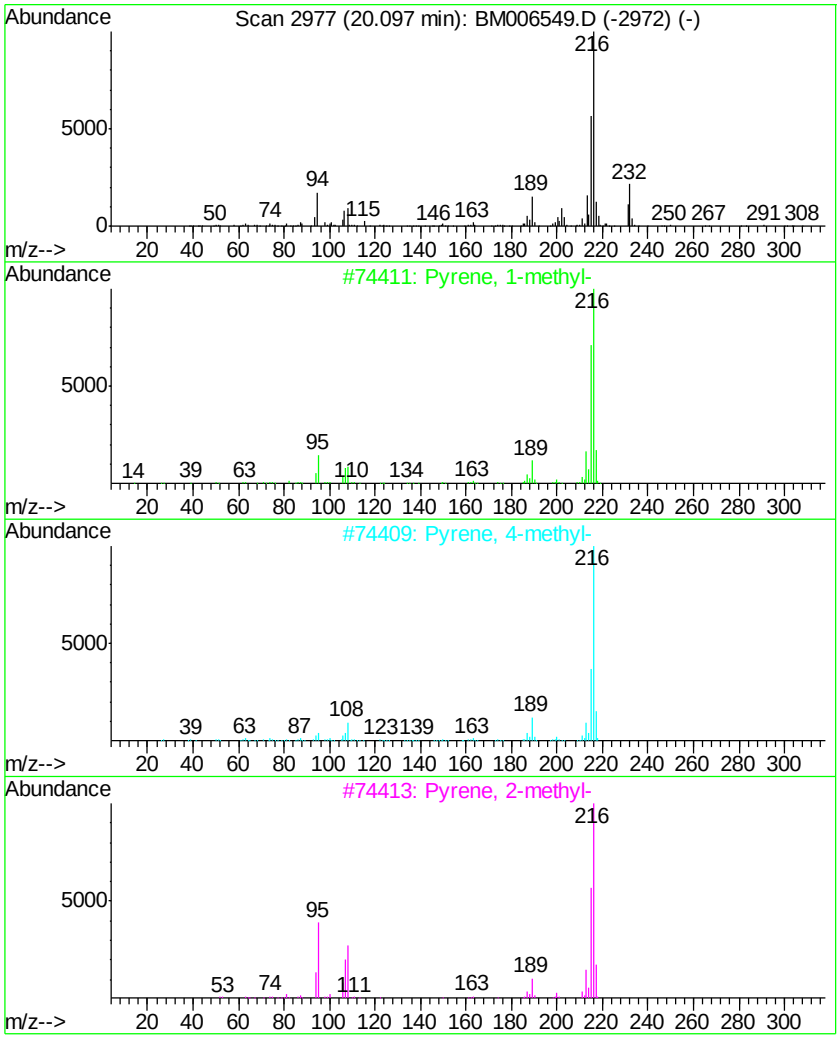
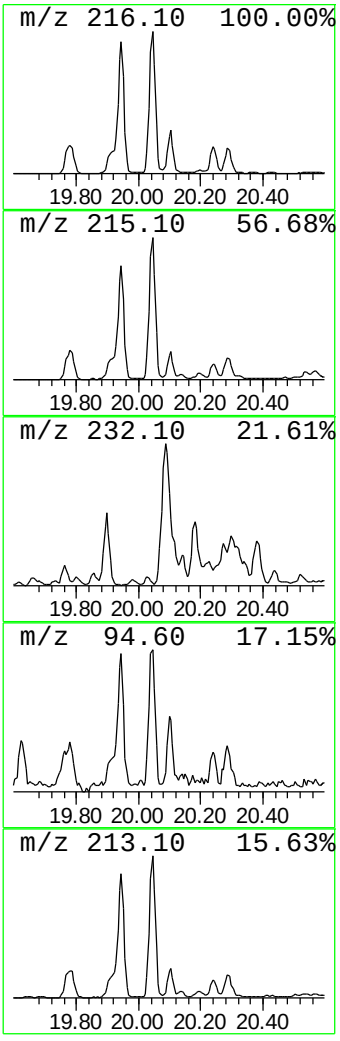
Peak Number 26 Pyrene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.07 ng/ul	1017670	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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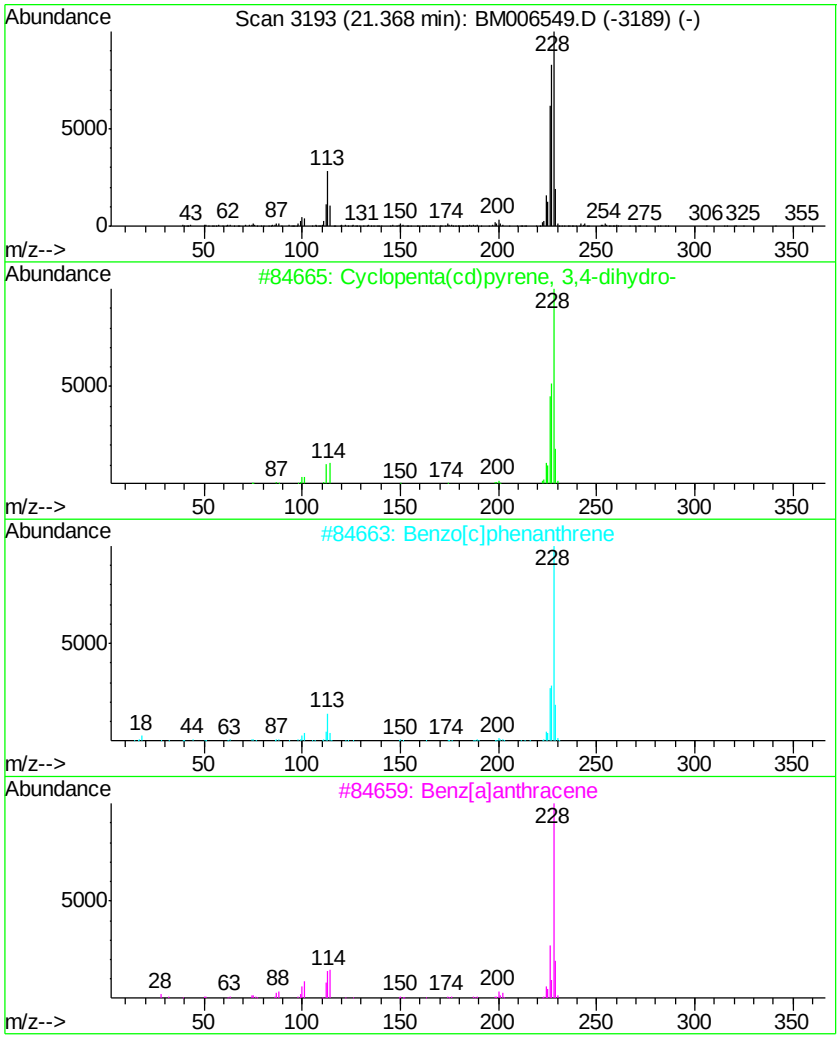
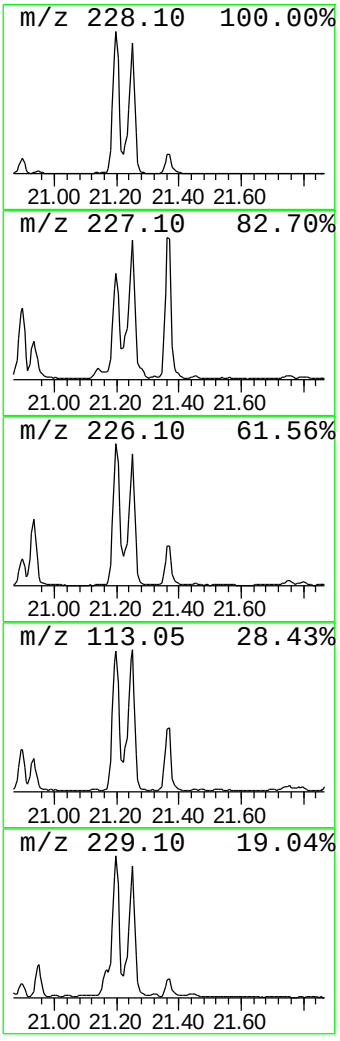
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.31 ng/ul	1139690	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	96
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Benz[a]anthracene	228	C18H12	000056-55-3	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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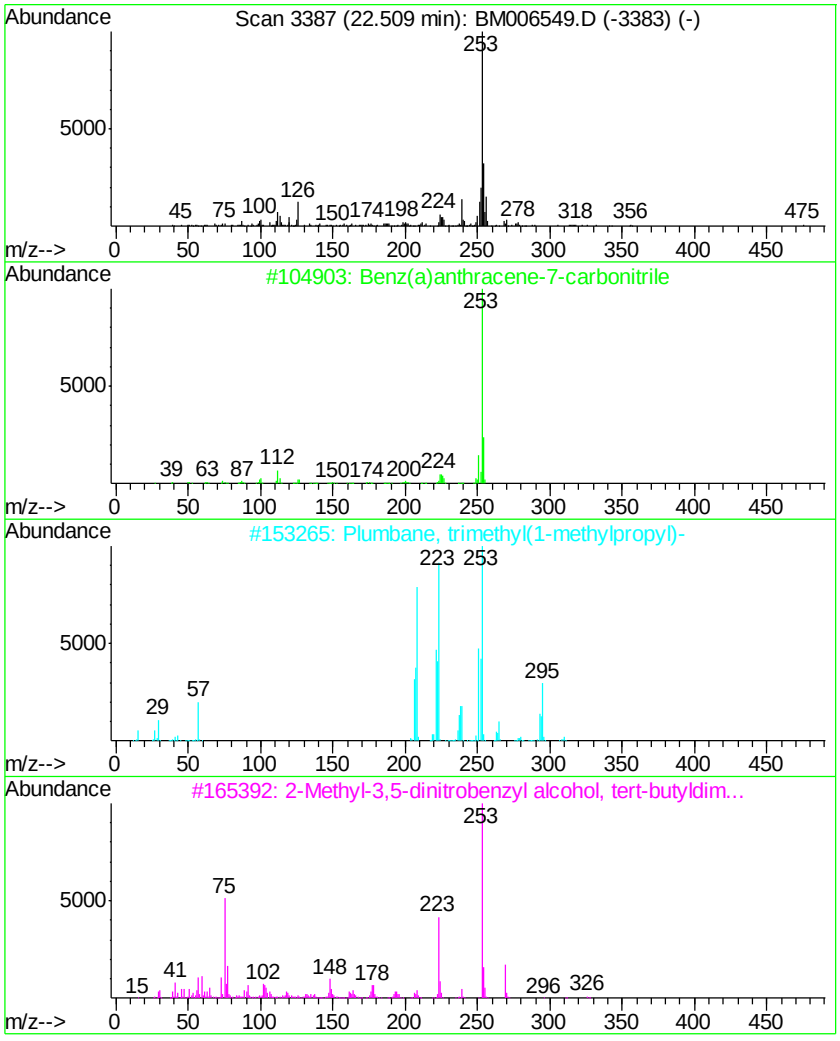
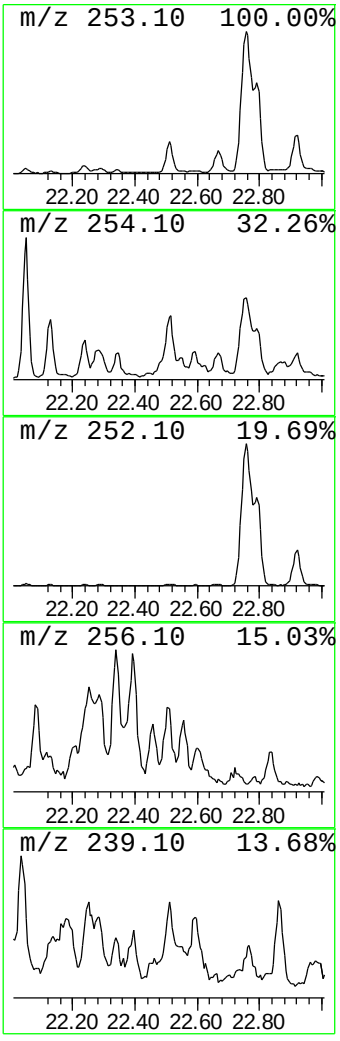
Peak Number 28 Benz(a)anthracene-7-carboni... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	2.02 ng/ul	327939	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	83
2	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	47
3	2-Methyl-3,5-dinitrobenzyl alcoh...	326	C14H22N2O5Si	1000364-37-1	43
4	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	43
5	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	38





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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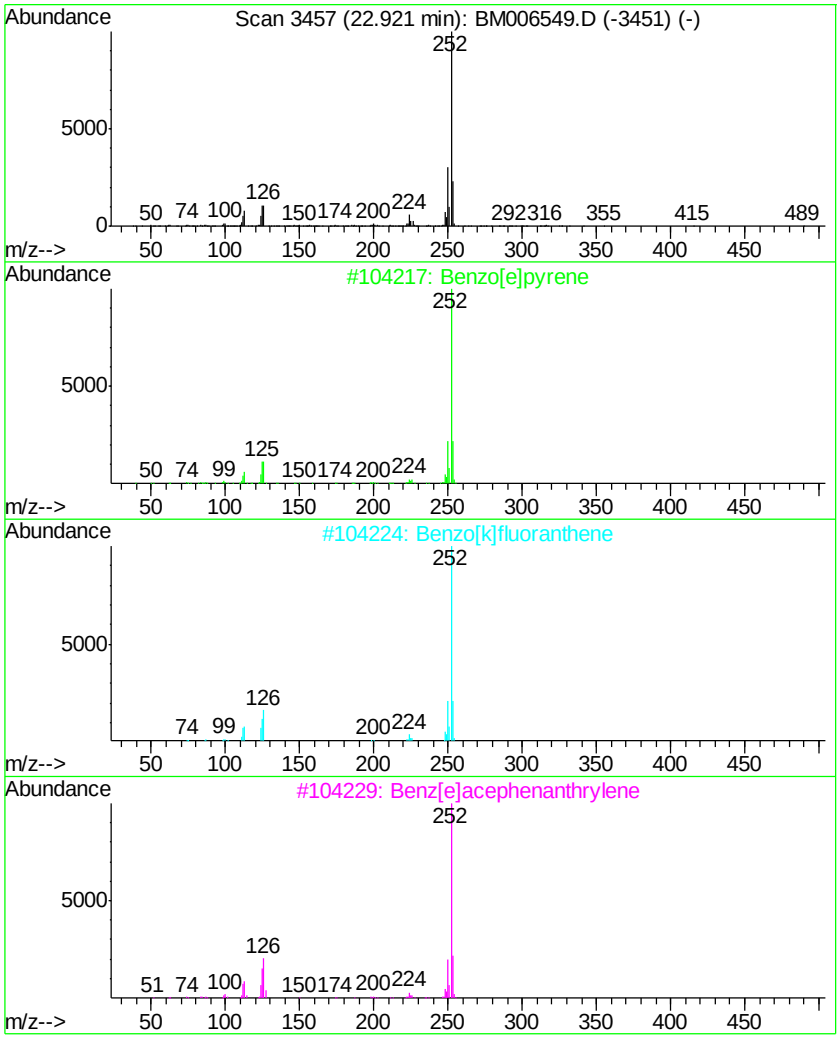
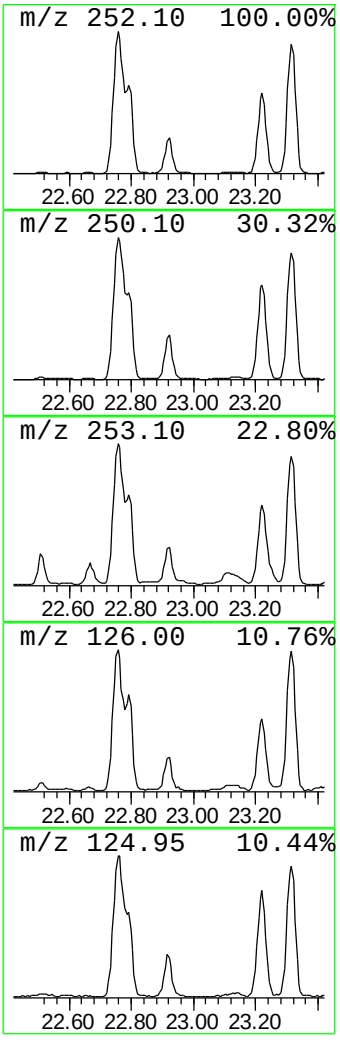
Peak Number 29 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	6.67 ng/ul	1084990	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

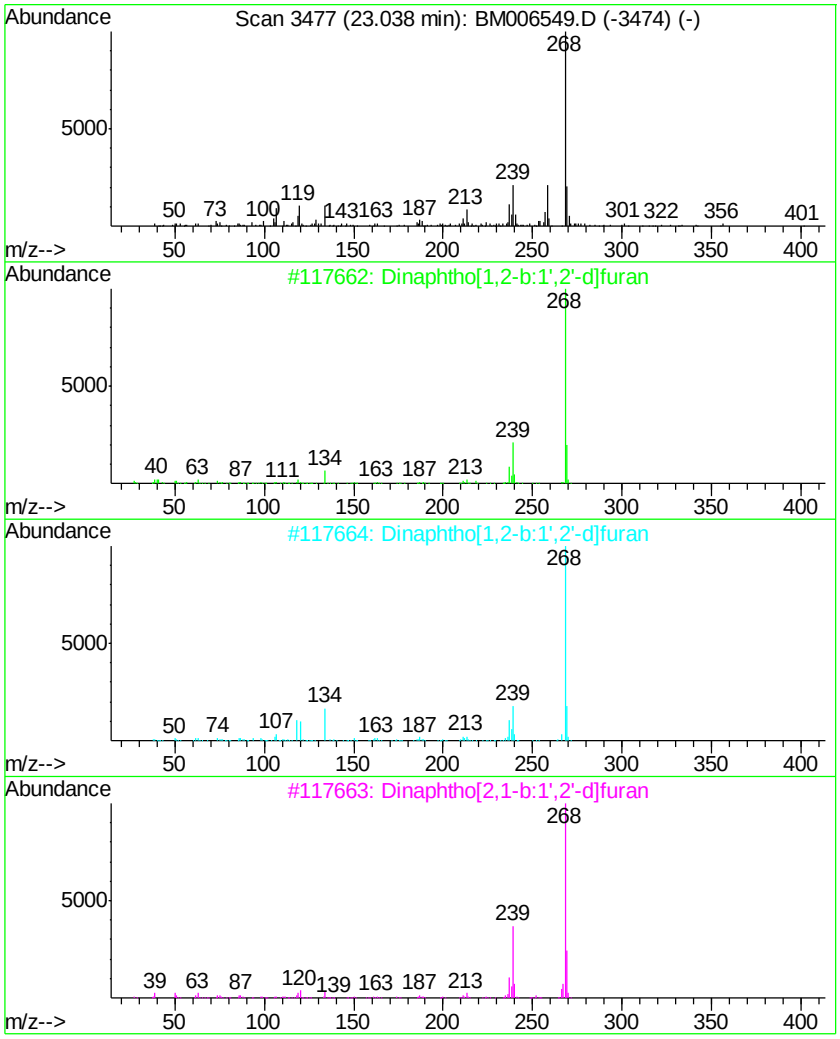
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

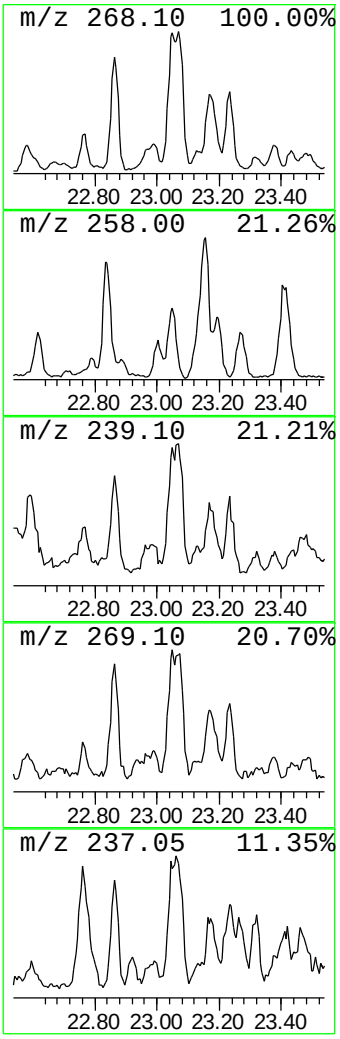
****

Peak Number 30 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.04	2.76 ng/ul	448602	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	62
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006549.D
Acq On : 20 Jul 2016 10:06
Operator : UM/SJ
Sample : H3959-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, cyclopro...	7.98	16.1	ng/ul	1065260	1	7.62	1327480	20.0
Naphthalene, 1-me...	12.29	29.8	ng/ul	2490580	2	10.40	1670270	20.0
Naphthalene, 1-et...	13.29	6.3	ng/ul	862601	3	14.26	2726190	20.0
Naphthalene, 1,6-...	13.42	4.8	ng/ul	661092	3	14.26	2726190	20.0
Naphthalene, 2,3-...	13.58	7.9	ng/ul	1076550	3	14.26	2726190	20.0
Naphthalene, 1,4-...	13.82	3.1	ng/ul	422551	3	14.26	2726190	20.0
Diphenylmethane	15.48	4.3	ng/ul	584897	3	14.26	2726190	20.0
Dibenzofuran, 4-m...	15.61	5.4	ng/ul	740581	3	14.26	2726190	20.0
9H-Fluoren-9-ol	15.76	8.2	ng/ul	1072960	4	17.02	2616420	20.0
(DEL) Alkane: Str...	16.01	3.9	ng/ul	515883	4	17.02	2616420	20.0
Anthracene, 9,10-...	16.11	2.8	ng/ul	366585	4	17.02	2616420	20.0
9H-Fluorene, 2-me...	16.32	6.3	ng/ul	817193	4	17.02	2616420	20.0
Naphtho[2,1-b]thi...	16.83	11.1	ng/ul	1453880	4	17.02	2616420	20.0
Acridine	17.20	2.5	ng/ul	319949	4	17.02	2616420	20.0
Anthracene, 2-met...	17.89	9.0	ng/ul	1176420	4	17.02	2616420	20.0
Phenanthrene, 2-m...	17.94	11.8	ng/ul	1548560	4	17.02	2616420	20.0
1H-Cyclopropa[l]p...	18.02	5.7	ng/ul	742035	4	17.02	2616420	20.0
4H-Cyclopenta[def...	18.09	23.6	ng/ul	3091410	4	17.02	2616420	20.0
Anthracene, 1-met...	18.12	4.4	ng/ul	579213	4	17.02	2616420	20.0
Naphthalene, 2-ph...	18.39	7.1	ng/ul	927380	4	17.02	2616420	20.0
9,10-Dimethylanth...	18.81	4.2	ng/ul	554356	4	17.02	2616420	20.0
Pyrene, 1-methyl-	19.77	2.1	ng/ul	1055160	5	21.22	9849000	20.0
11H-Benzo[a]fluorene	19.94	5.1	ng/ul	2496960	5	21.22	9849000	20.0
11H-Benzo[b]fluorene	20.04	5.1	ng/ul	2528400	5	21.22	9849000	20.0
Pyrene, 4-methyl-	20.10	2.1	ng/ul	1017670	5	21.22	9849000	20.0
Cyclopenta(cd)pyr...	21.37	2.3	ng/ul	1139690	5	21.22	9849000	20.0
Benz(a)anthracene...	22.51	2.0	ng/ul	327939	6	23.41	3252020	20.0
Benzo[e]pyrene	22.92	6.7	ng/ul	1084990	6	23.41	3252020	20.0
Dinaphtho[1,2-b:1...	23.04	2.8	ng/ul	448602	6	23.41	3252020	20.0