LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	401	407	423	rVB	858862	1675480	0.93%	0.239%
2	7.357	737	743	751	rVV2	1237929	2040037	1.14%	0.291%
3	7.440	751	757	765	rVB	1078845	1721480	0.96%	0.246%
4	7.716	798	804	811	rBV	618991	1036836	0.58%	0.148%
5	8.087	859	867	875	rBV	8261404	13257038	7.38%	1.893%
6	8.251	888	895	905	rVV	3711494	6285822	3.50%	0.898%
7	8.887	996	1003	1010	rBV	659829	1169214	0.65%	0.167%
8	9.063	1027	1033	1041	rVV	801553	1304542	0.73%	0.186%
9	9.187	1041	1054	1060	rVV	1979557	4225322	2.35%	0.603%
10	9.245	1060	1064	1072	rVV	639912	1034481	0.58%	0.148%
11	9.745	1144	1149	1155	rBV	674815	1069554	0.60%	0.153%
12	9.898	1168	1175	1178	rBV2	1030578	2070781	1.15%	0.296%
13	9.928	1178	1180	1187	rVB	930704	1433785	0.80%	0.205%
14	10.004	1187	1193	1197	rBV	924903	1890555	1.05%	0.270%
15	10.139	1209	1216	1223	rBV2	541588	1044402	0.58%	0.149%
16	10.628	1267	1299	1304	rBV3	39838233	179647792	100.00%	25.652%
17	10.704	1304	1312	1318	rVV	12002146	19199724	10.69%	2.742%
18	12.063	1538	1543	1550	rVB	705979	1214924	0.68%	0.173%
19	12.186	1554	1564	1569	rBV	23247657	41517215	23.11%	5.928%
20	12.292	1576	1582	1589	rVV	795502	1494708	0.83%	0.213%
21	12.398	1589	1600	1609	rVB	13253092	23149608	12.89%	3.306%
22	13.192	1727	1735	1742	rBV	4876290	7232269	4.03%	1.033%
23	13.386	1762	1768	1780	rVB	1224840	2467213	1.37%	0.352%
24	13.516	1781	1790	1792	rBV	2083480	3388993	1.89%	0.484%
25	13.680	1810	1818	1823	rBV	3078744	5749146	3.20%	0.821%
26	13.733	1823	1827	1831	rVV	2387925	3420005	1.90%	0.488%
27	13.780	1831	1835	1839	rVV	994892	1439383	0.80%	0.206%
28	13.916	1852	1858	1862	rBV	1415807	2146668	1.19%	0.307%
29	14.057	1876	1882	1883	rBV	1248495	1752219	0.98%	0.250%
30	14.086	1883	1887	1893	rVB	3450921	5178452	2.88%	0.739%
31	14.339	1920	1930	1932	rBV	1451238	2275421	1.27%	0.325%
32	14.439	1939	1947	1953	rVB	16371674	26572233	14.79%	3.794%
33	14.510	1953	1959	1964	rBV	2620684	3713940	2.07%	0.530%
34	14.563	1964	1968	1977	rVB2	929210	1691693	0.94%	0.242%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Title : SVOA CALIBRATION

35	14.645	1977	1982	1984	rBV	983831	1476539	0.82%	0.211%
36	14.769	1991	2003	2012	rBV	13491554	22811448	12.70%	3.257%
37	14.974	2032	2038	2044	rBV3	510064	1067648	0.59%	0.152%
38	15.363	2089	2104	2108	rBV3	1611743	3183237	1.77%	0.455%
39	15.421	2108	2114	2123	rVB	15488679	23960946	13.34%	3.421%
40	15.510	2123	2129	2131	rBV2	876061	1329138	0.74%	0.190%
41	15.539	2131	2134	2137	rVV	1011404	1590557	0.89%	0.227%
42	15.574	2137	2140	2145	rVV2	1704559	2508359	1.40%	0.358%
43	15.663	2151	2155	2159	rVV2	1062739	1859959	1.04%	0.266%
44	15.710	2159	2163	2168	rVB	2236810	3103166	1.73%	0.443%
45	15.857	2174	2188	2196	rBV	2558178	5781178	3.22%	0.825%
46	15.939	2196	2202	2208	rVB2	693909	1284416	0.71%	0.183%
47	16.104	2224	2230	2239	rVB2	539917	1142166	0.64%	0.163%
48	16.210	2240	2248	2255	rBV4	578390	1076803	0.60%	0.154%
49	16.310	2262	2265	2271	rVB	811586	1084594	0.60%	0.155%
50	16.392	2271	2279	2281	rBV	1292907	2401506	1.34%	0.343%
51	16.416	2281	2283	2288	rVB2	1232521	1647306	0.92%	0.235%
52	16.645	2313	2322	2325	rBV4	645705	1271704	0.71%	0.182%
53	16.845	2350	2356	2362	rBV2	618647	1314767	0.73%	0.188%
54	16.933	2367	2371	2381	rVB	2775710	4311374	2.40%	0.616%
55	17.121	2398	2403	2405	rVV	1455487	2314799	1.29%	0.331%
56	17.174	2405	2412	2417	rVV2	29449040	51929332	28.91%	7.415%
57	17.221	2417	2420	2423	rVV2	2744898	4257390	2.37%	0.608%
58	17.251	2423	2425	2430	rVV	3571904	4543941	2.53%	0.649%
59	17.533	2468	2473	2479	rVB	9474056	14356866	7.99%	2.050%
60	17.627	2484	2489	2495	rVV3	1506325	3455195	1.92%	0.493%
61	17.686	2495	2499	2508	rVV	1540887	2603613	1.45%	0.372%
62	17.962	2541	2546	2547	rBV	846581	1132408	0.63%	0.162%
63	17.992	2547	2551	2555	rVV	2629291	4307315	2.40%	0.615%
64	18.039	2555	2559	2567	rVV2	5264164	8055205	4.48%	1.150%
65	18.121	2568	2573	2578	rVV	2206396	3064423	1.71%	0.438%
66	18.192	2578	2585	2588	rVV2	4787062	7799625	4.34%	1.114%
67	18.221	2588	2590	2595	rVV	1228437	1608296	0.90%	0.230%
68	18.298	2596	2603	2607	rVV2	919335	2024576	1.13%	0.289%
69	18.345	2607	2611	2614	rVV	740055	1050536	0.58%	0.150%
70	18.439	2622	2627	2632	rVV2	896576	1612722	0.90%	0.230%
71	18.492	2632	2636	2641	rVV	2047492	2763786	1.54%	0.395%

LSC Area Percent Report

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Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Title : SVOA CALIBRATION

72	19.186	2747	2754	2759	rVV	19075729	27017748	15.04%	3.858%
73	19.515	2804	2810	2812	rBV3	5177027	7914973	4.41%	1.130%
74	19.551	2812	2816	2823	rVV	12876411	19222256	10.70%	2.745%
75	19.609	2823	2826	2833	rVB3	809393	1259438	0.70%	0.180%
76	19.721	2840	2845	2850	rVB	889414	1167719	0.65%	0.167%
77	19.868	2863	2870	2876	rBV4	1227691	2593313	1.44%	0.370%
78	19.927	2876	2880	2883	rBV	995196	1307193	0.73%	0.187%
79	19.980	2883	2889	2891	rVV	2144433	3641026	2.03%	0.520%
80	20.033	2891	2898	2905	rVB2	5408317	11309948	6.30%	1.615%
81	20.139	2911	2916	2920	rBV	2994915	3745390	2.08%	0.535%
82	20.198	2920	2926	2930	rVV3	933837	1775301	0.99%	0.253%
83	20.386	2953	2958	2966	rVB3	628236	1306488	0.73%	0.187%
84	20.627	2993	2999	3003	rBV4	1100716	2352687	1.31%	0.336%
85	20.662	3003	3005	3010	rVB2	878161	1097577	0.61%	0.157%
86	20.951	3051	3054	3058	rBV2	652761	981929	0.55%	0.140%
87	20.992	3058	3061	3064	rVV	896401	1258692	0.70%	0.180%
88	21.027	3064	3067	3073	rVB2	650280	1256235	0.70%	0.179%
89	21.298	3104	3113	3118	rBV3	5963302	11559747	6.43%	1.651%
90	21.345	3118	3121	3130	rVB	2988609	3852178	2.14%	0.550%
91	21.456	3136	3140	3147	rBV	896821	1229566	0.68%	0.176%
92	21.627	3163	3169	3173	rBV2	726256	1139348	0.63%	0.163%
93	21.803	3194	3199	3203	rBV	1299085	1877021	1.04%	0.268%
94	21.856	3204	3208	3214	rVB2	619216	1085181	0.60%	0.155%
95	22.886	3374	3383	3388	rBV	1724693	4333621	2.41%	0.619%
96	23.368	3460	3465	3469	rBV	778524	1324712	0.74%	0.189%
97	23.415	3469	3473	3477	rVV	1727062	2956897	1.65%	0.422%
98	23.462	3477	3481	3489	rVB	1481907	2629907	1.46%	0.376%
99	23.562	3492	3498	3503	rBV	1294778	2409819	1.34%	0.344%
100	24.827	3707	3713	3716	rBV5	475132	1122074	0.62%	0.160%

Sum of corrected areas: 700325758

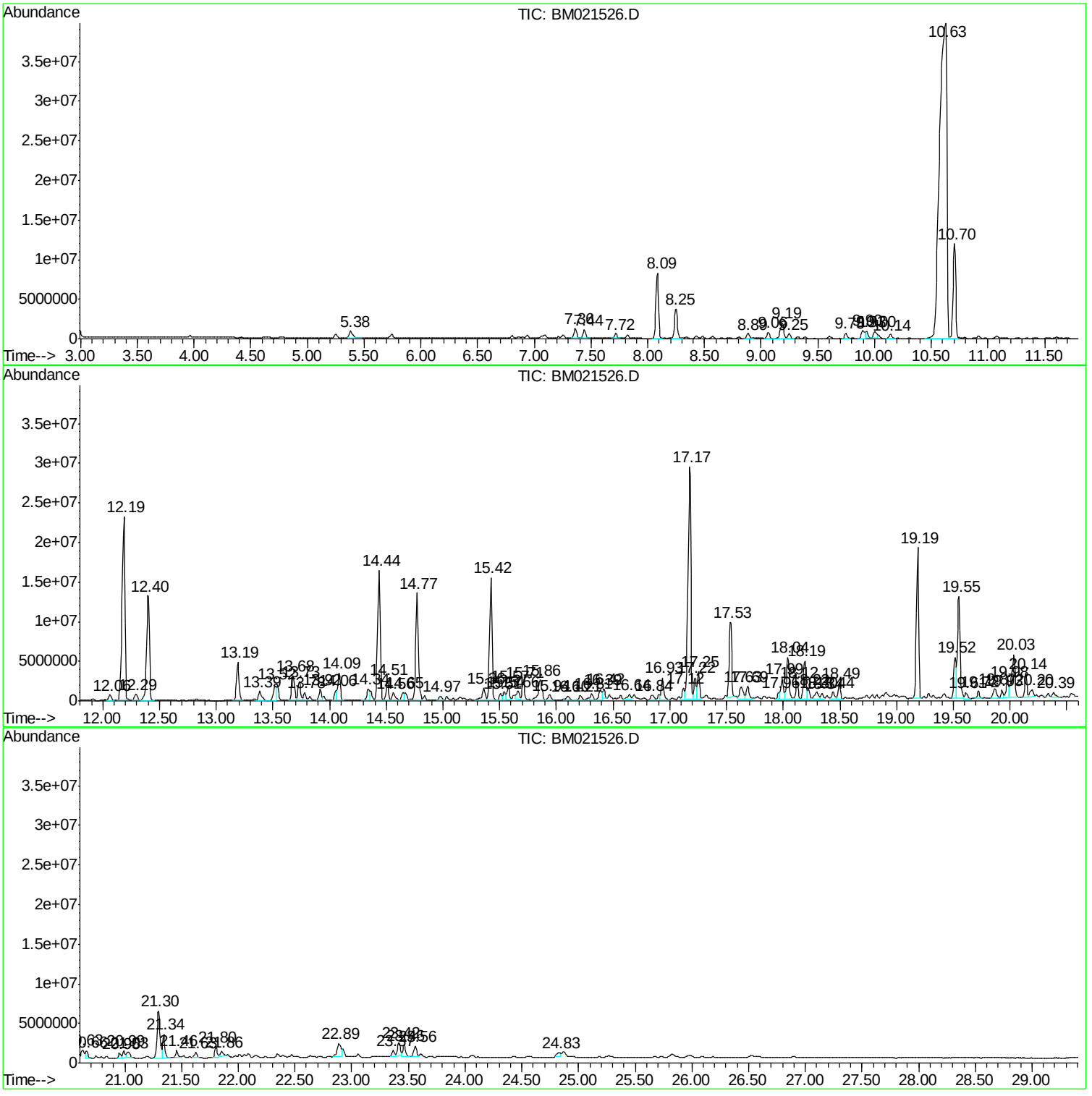
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

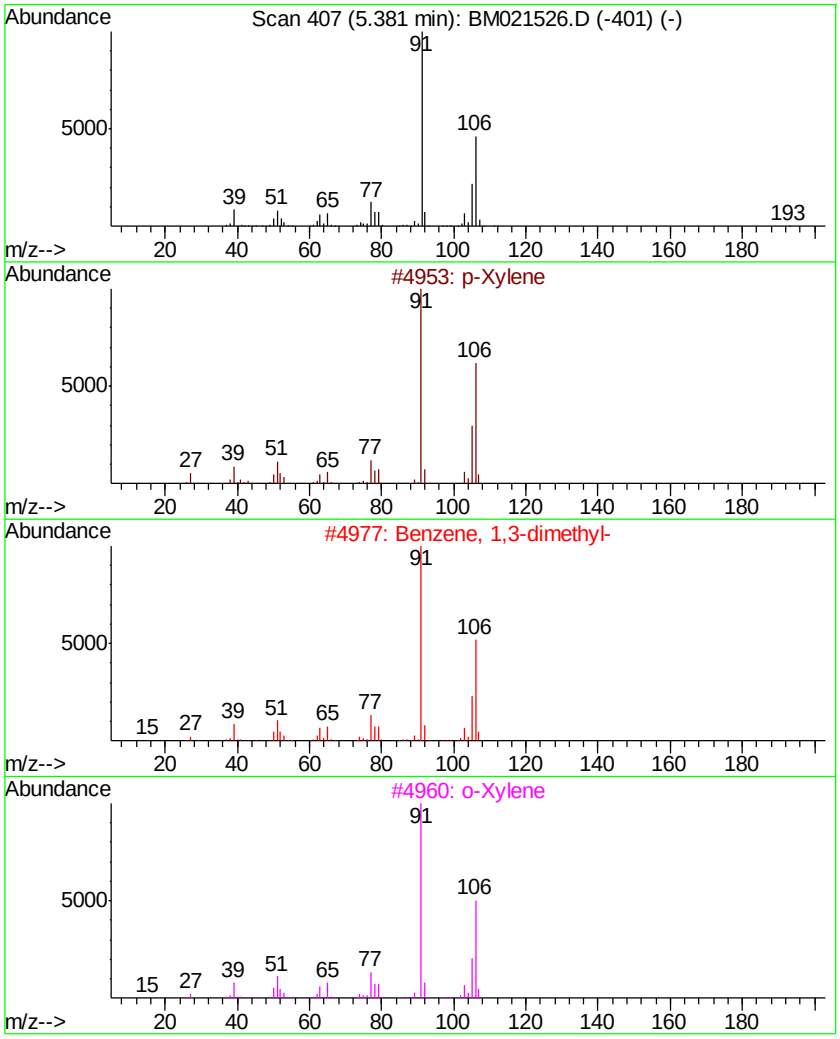
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

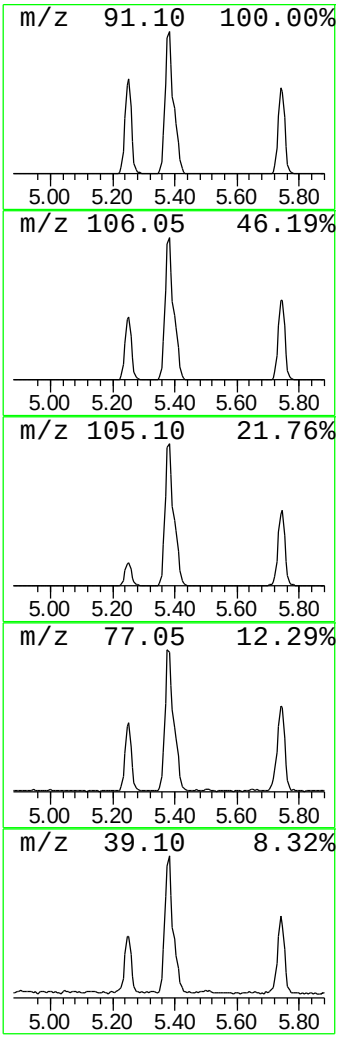
****

Peak Number 1 p-Xylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.38	32.32 ng/ul	1675480	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	p-Xylene	106	C8H10	000106-42-3	95
5	p-Xylene	106	C8H10	000106-42-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

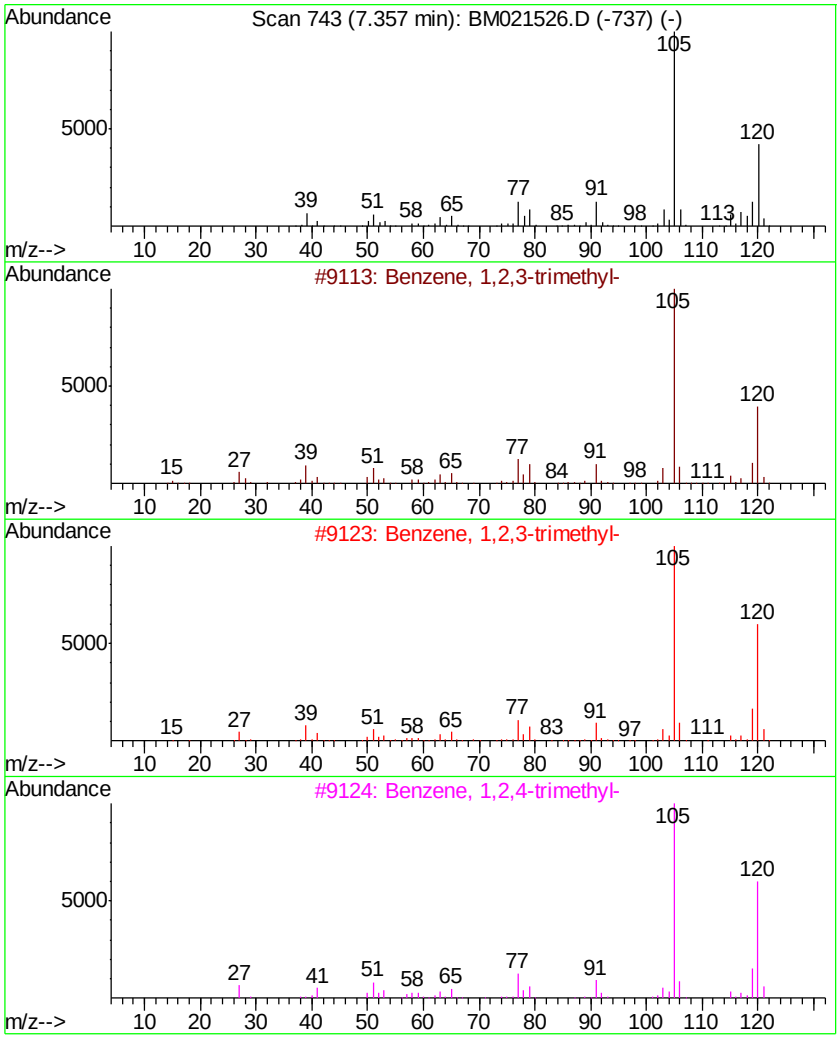
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

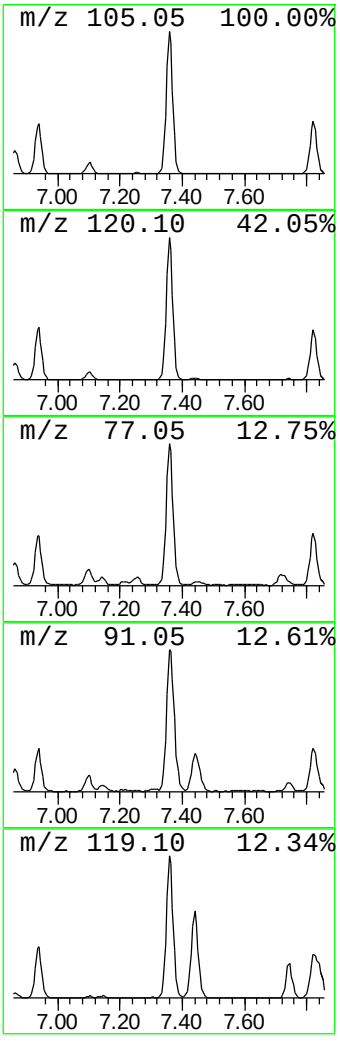
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	39.35 ng/ul	2040040	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

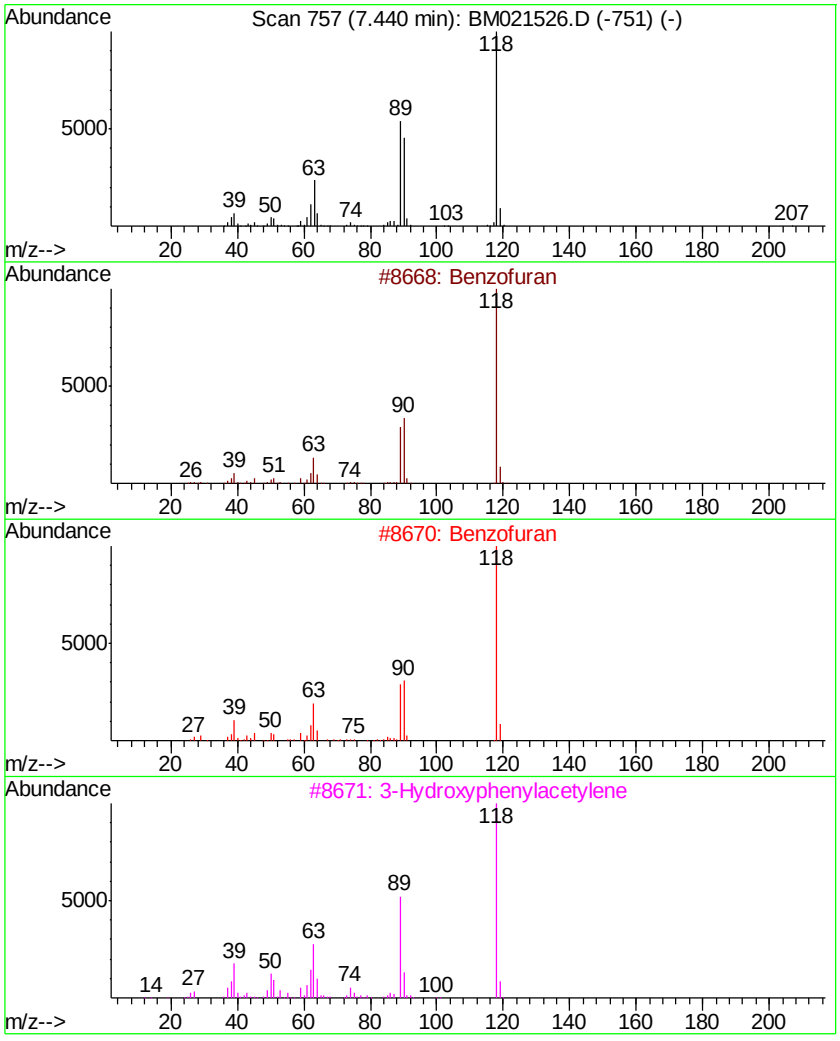
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

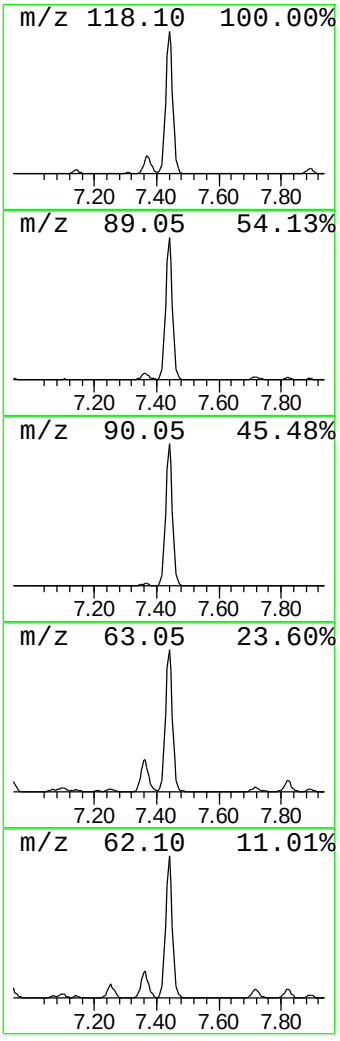
****

Peak Number 3 Benzofuran Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	33.21 ng/ul	1721480	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	91
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
4	1H-Benzimidazole	118	C7H6N2	000051-17-2	50
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

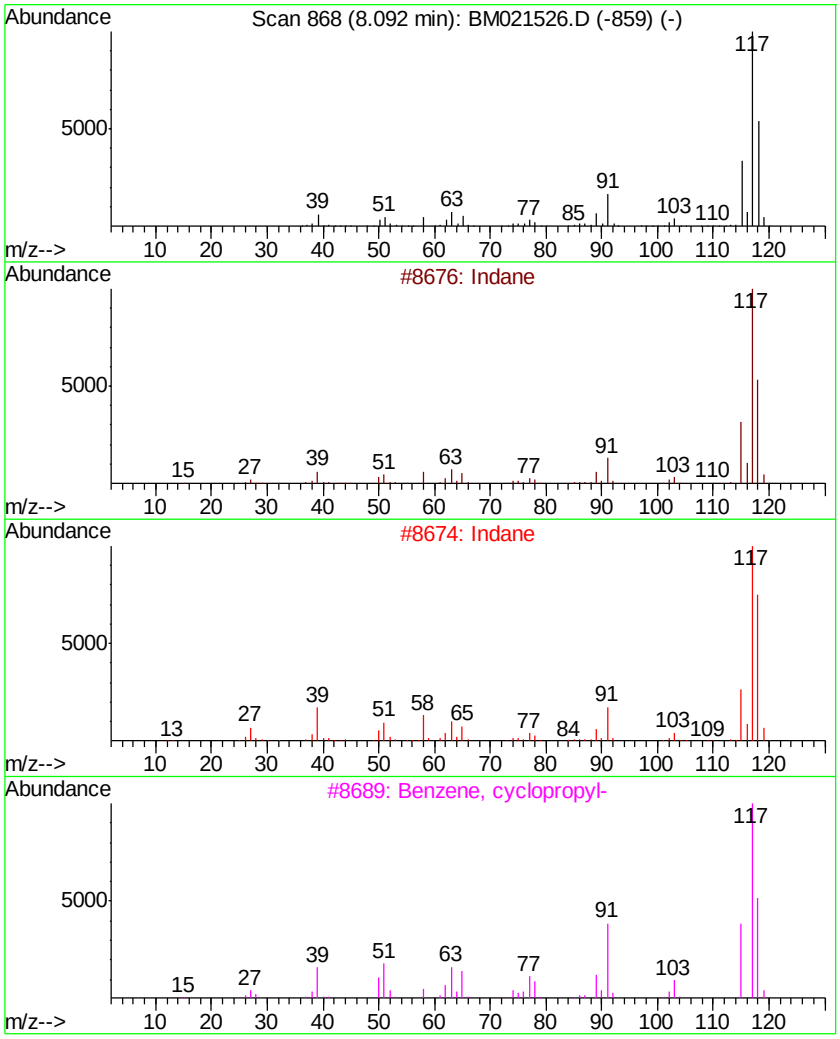
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

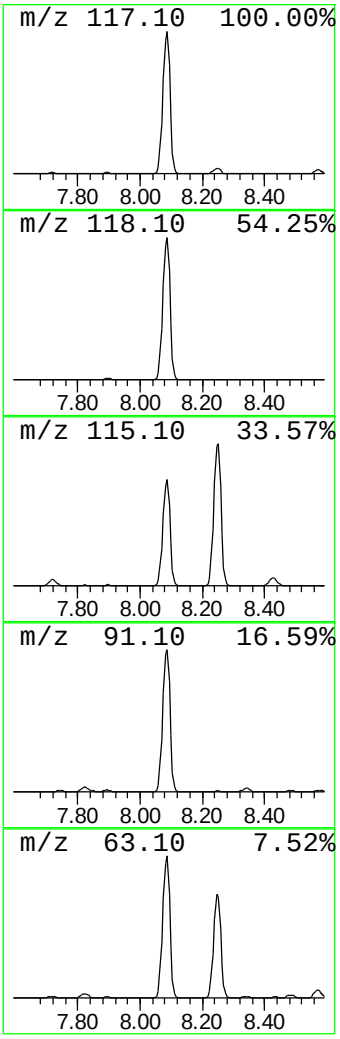
****

Peak Number 4 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	255.72 ng/ul	13257000	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

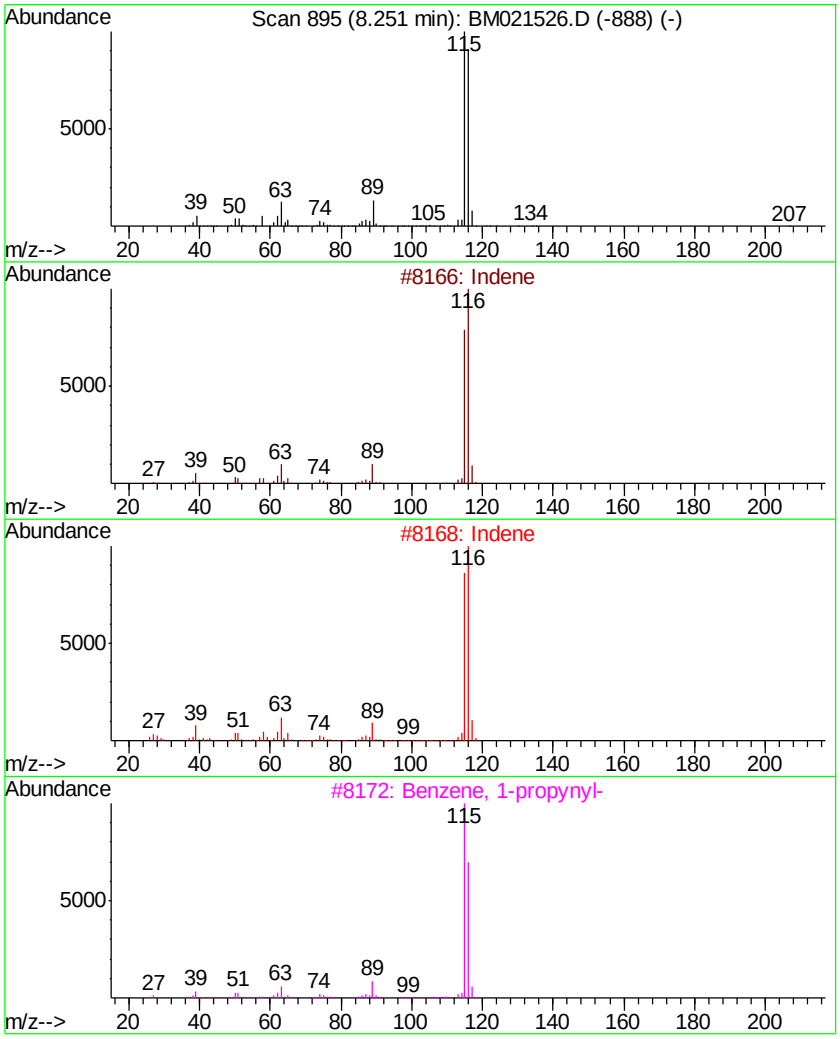
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

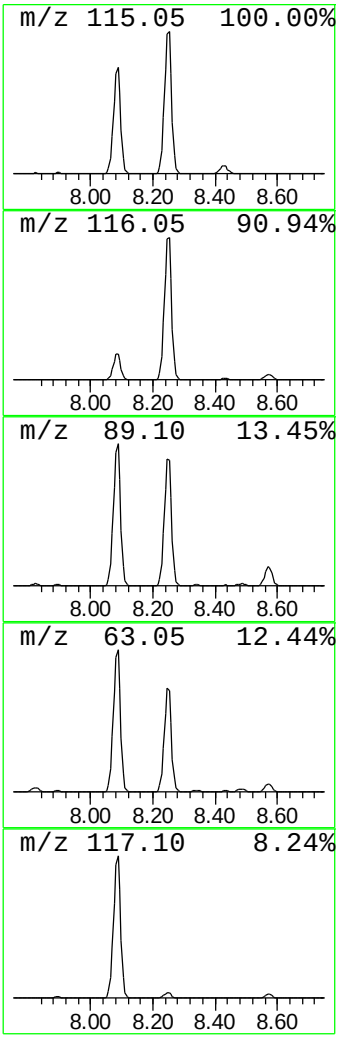
****

Peak Number 5 Benzene, 1-propynyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	121.25 ng/ul	6285820	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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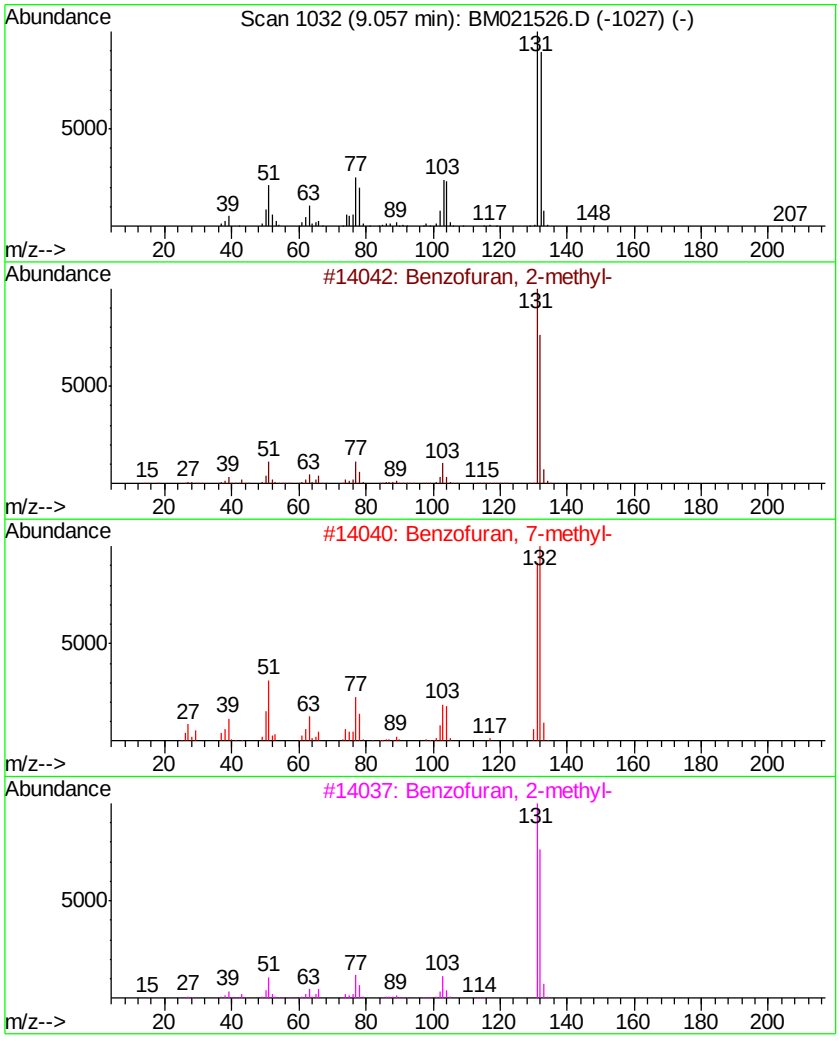
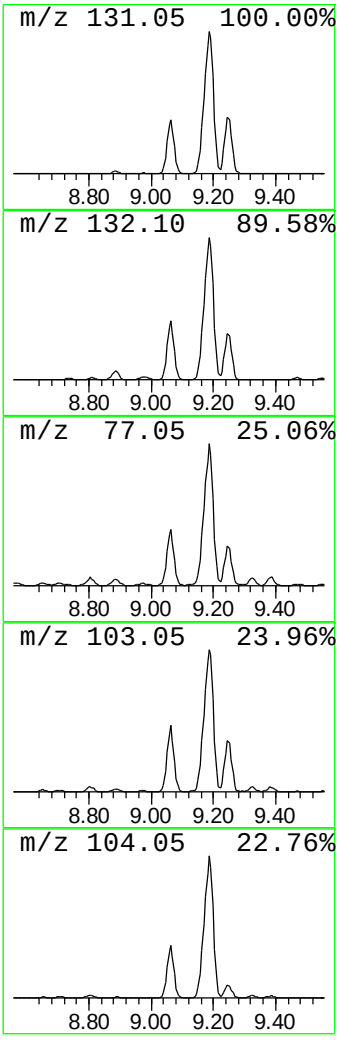
Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	25.16 ng/ul	1304540	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





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Instrument : BNA_M
ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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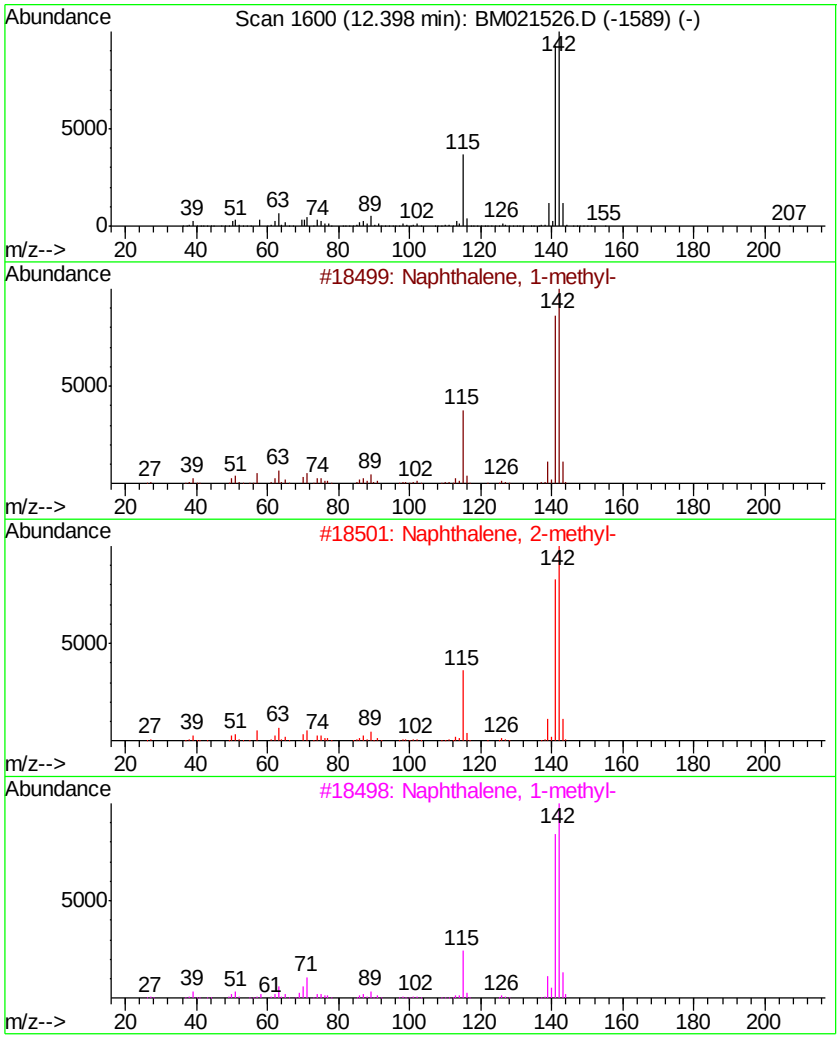
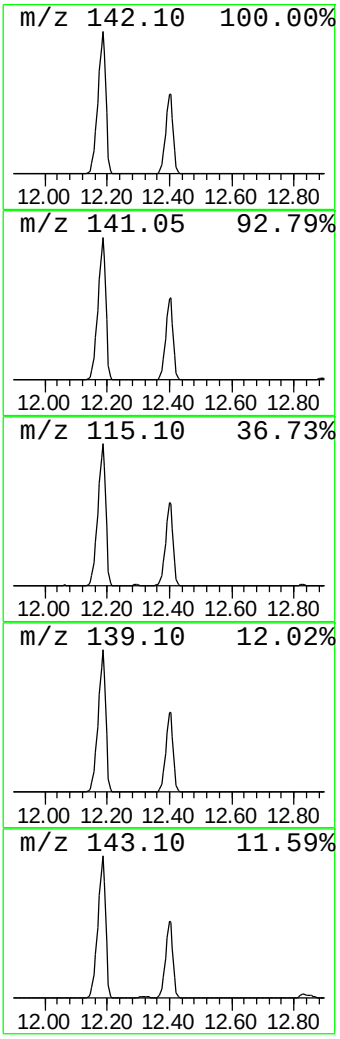
Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.58 ng/ul	23149600	Naphthalene-d8	10.52

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





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Instrument : BNA_M
ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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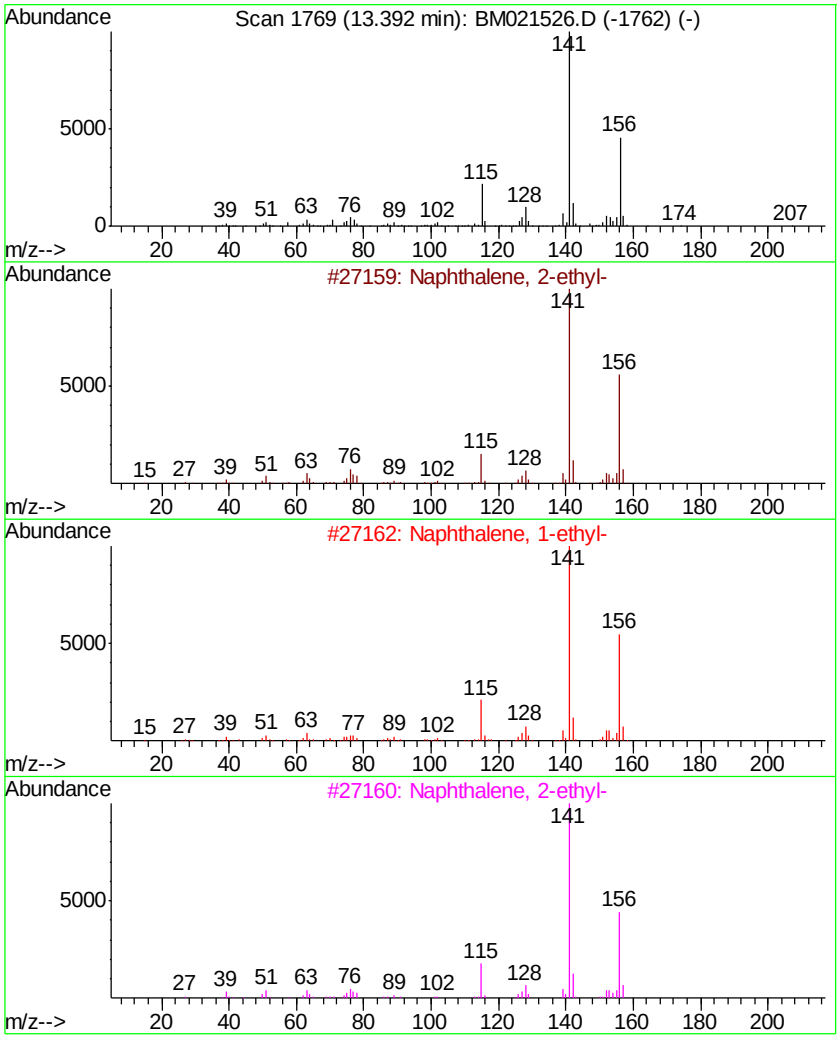
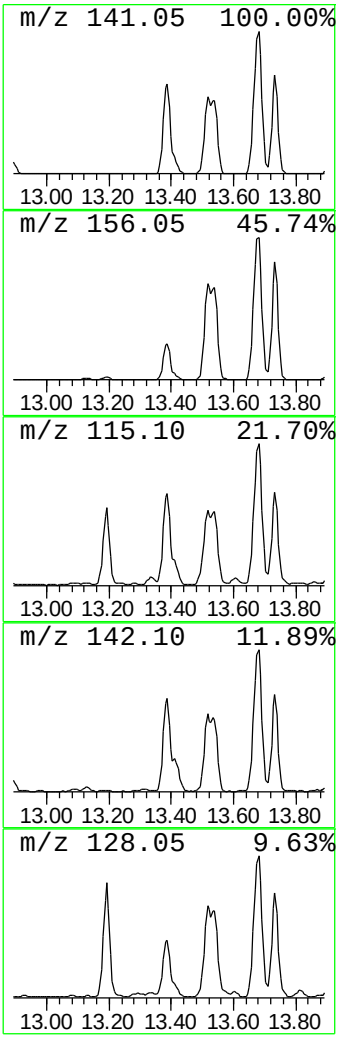
Peak Number 8 Naphthalene, 2-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	21.69 ng/ul	2467210	Acenaphthene-d10	14.36

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





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ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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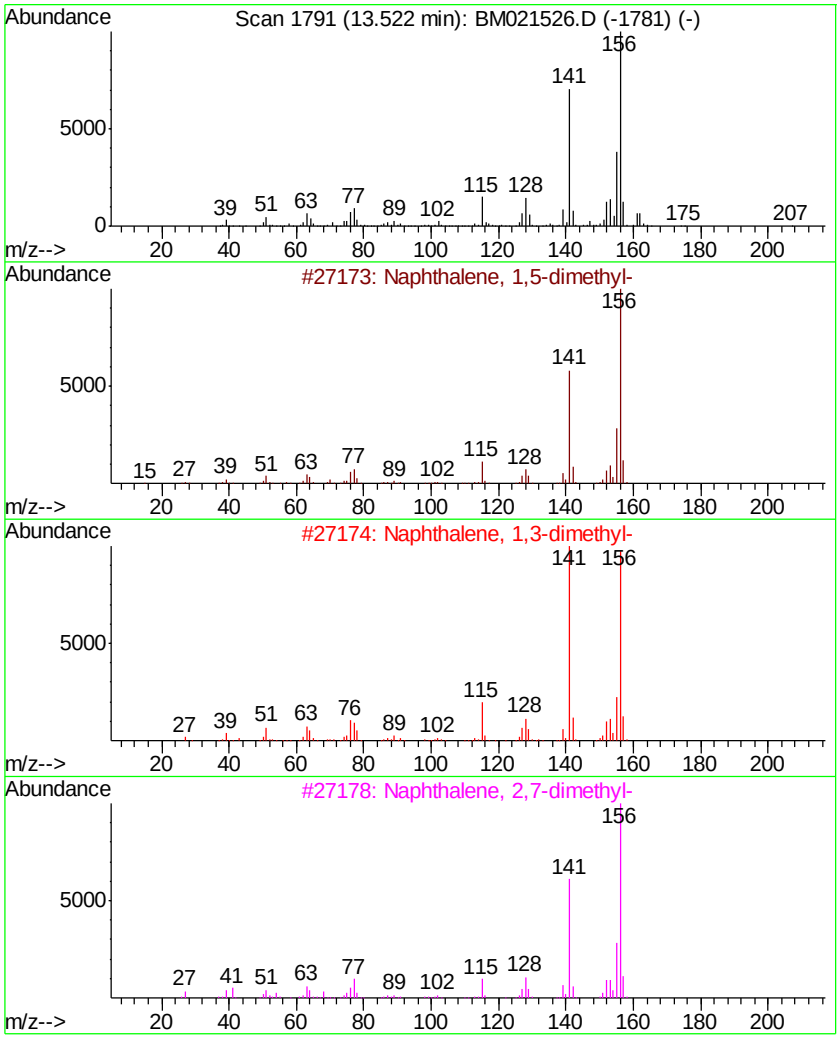
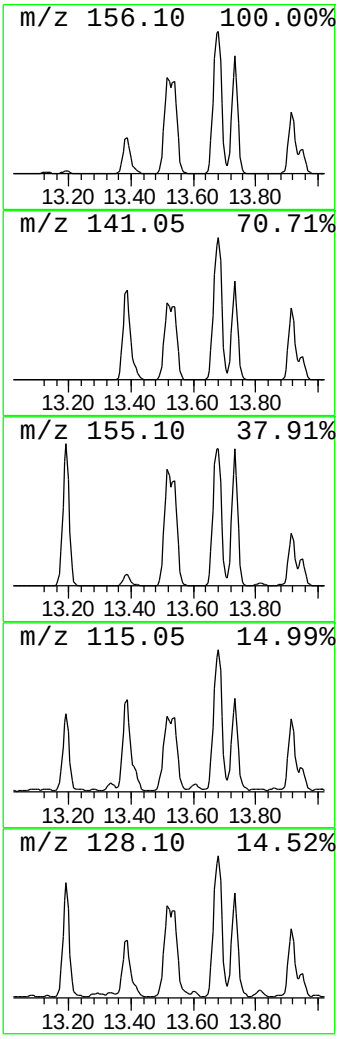
Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	29.79 ng/ul	3388990	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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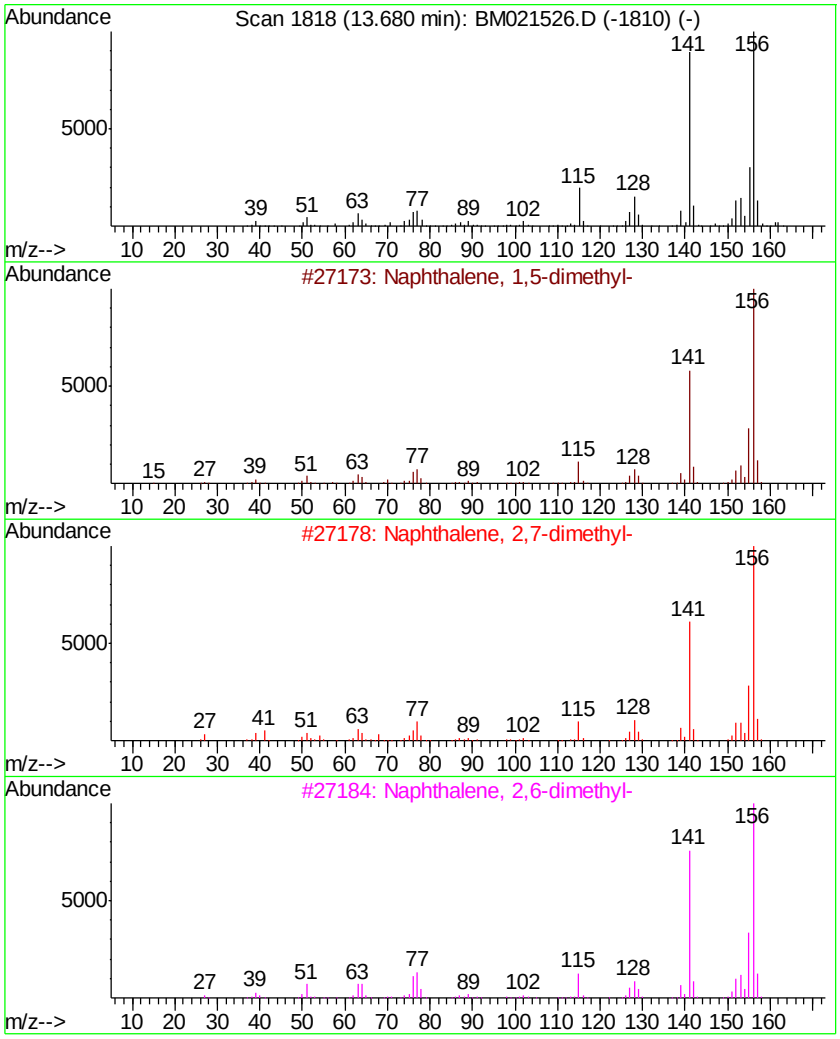
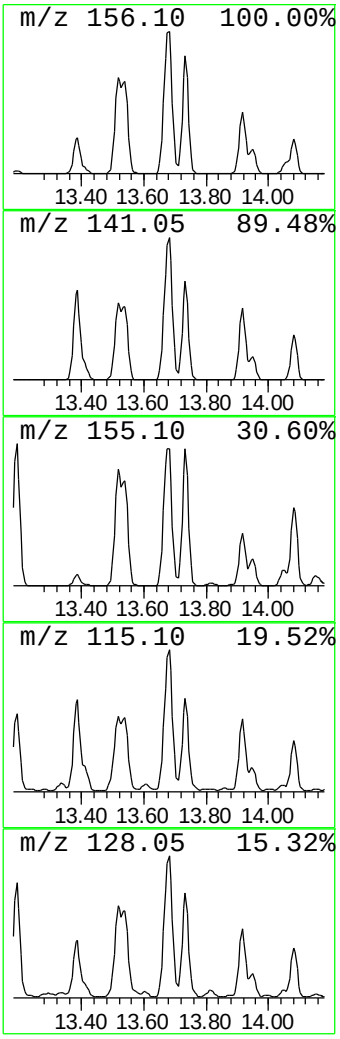
Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	50.53 ng/ul	5749150	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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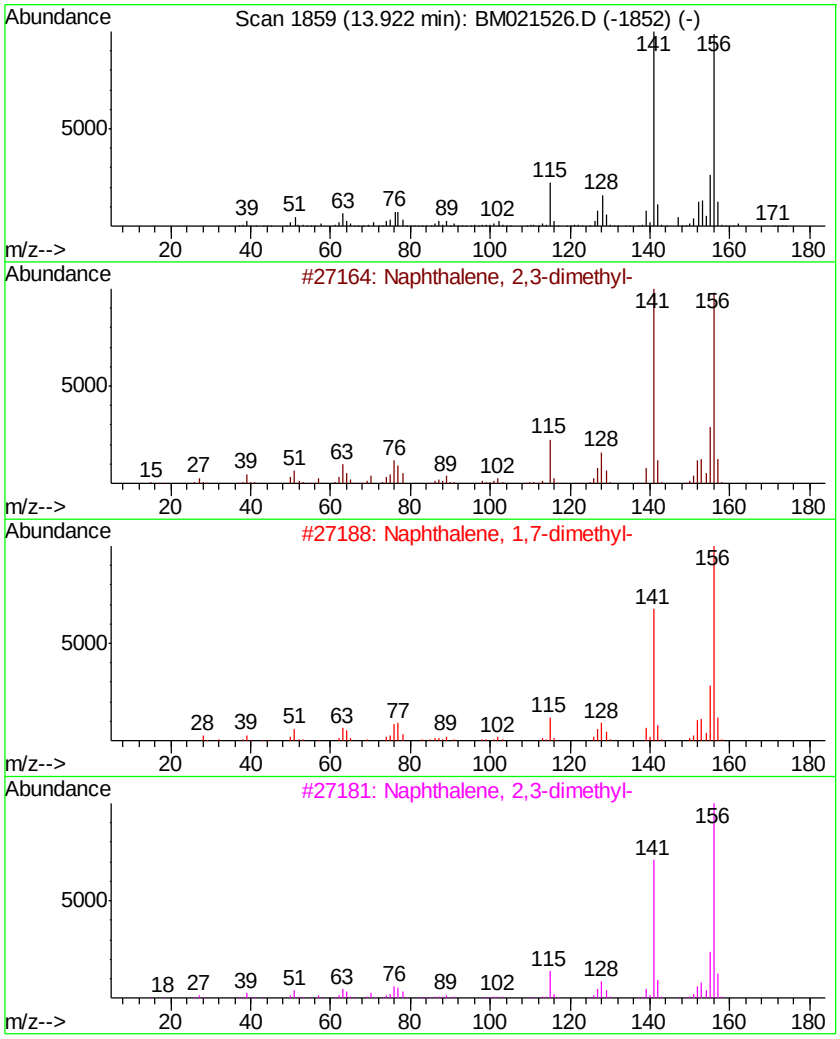
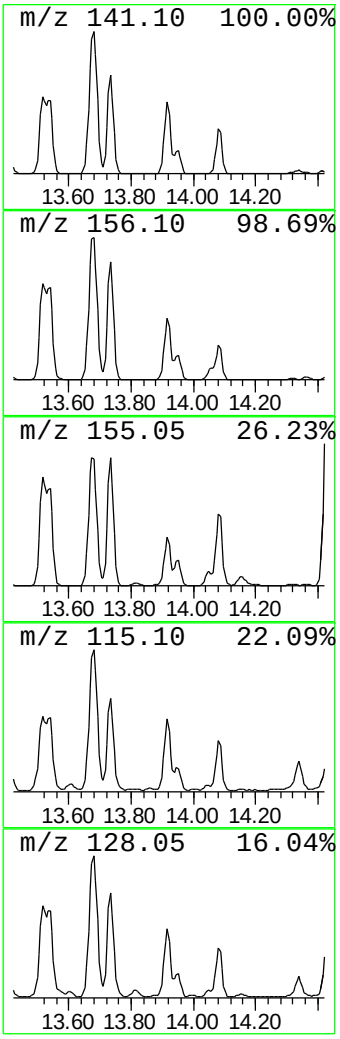
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	18.87 ng/ul	2146670	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Instrument : BNA_M
ClientSampleId : HD-02-072219

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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 12 1-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	32.64 ng/ul	3713940	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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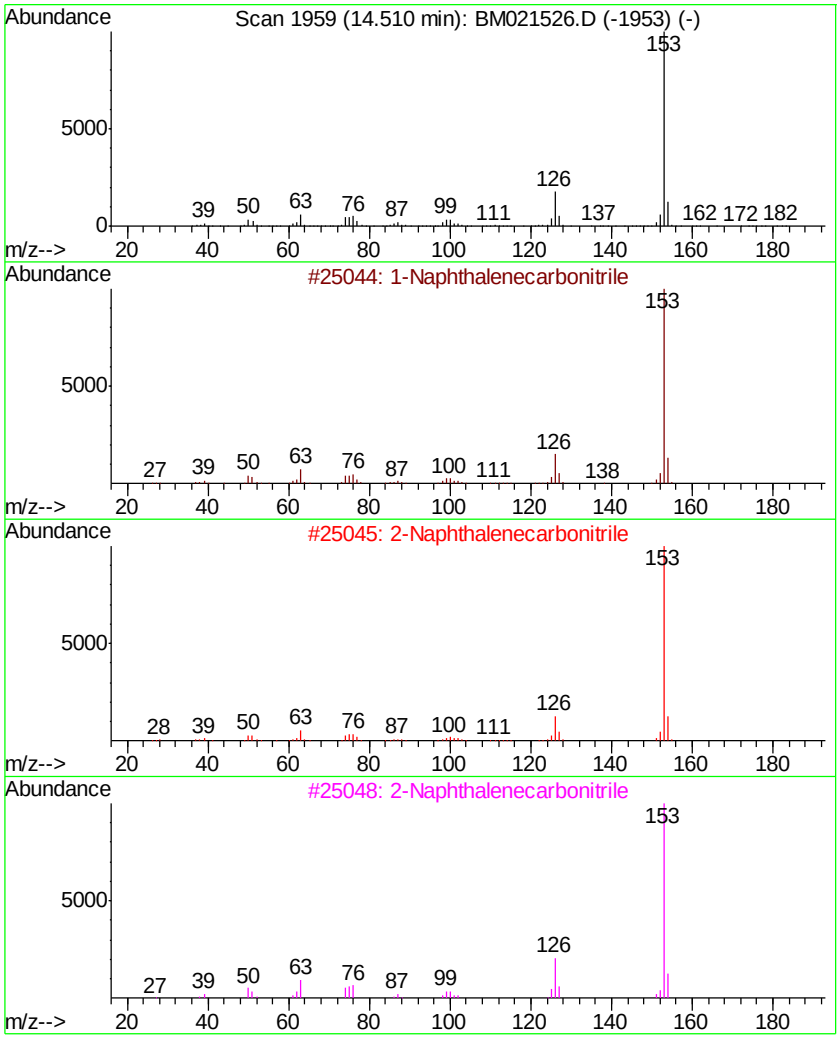

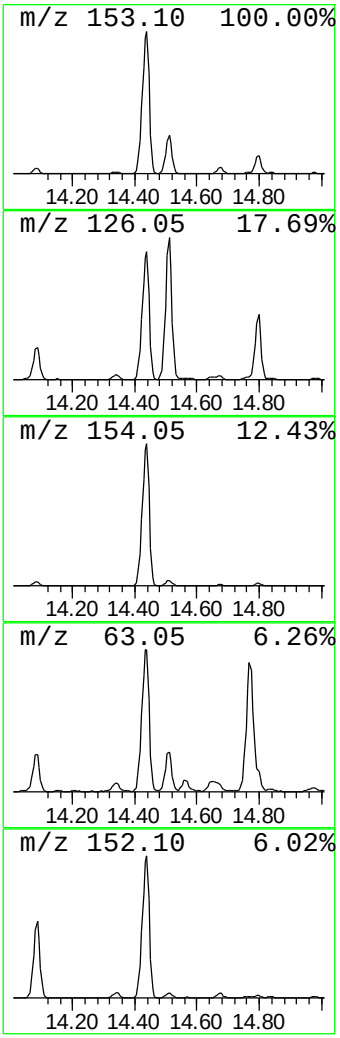

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Quant Title : SVOA CALIBRATION

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

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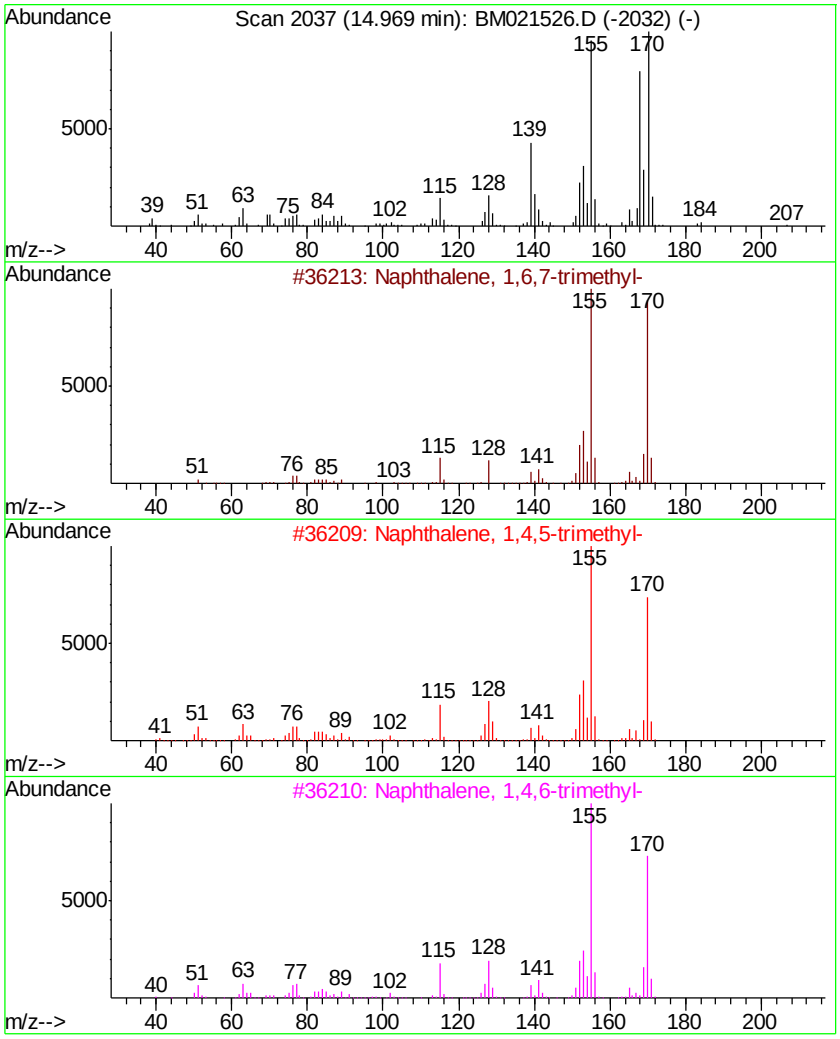
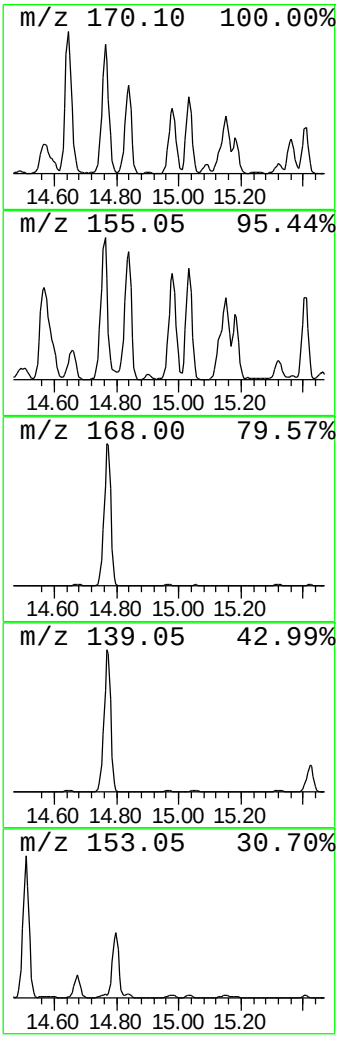
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	9.38 ng/ul	1067650	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91





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Quant Title : SVOA CALIBRATION

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

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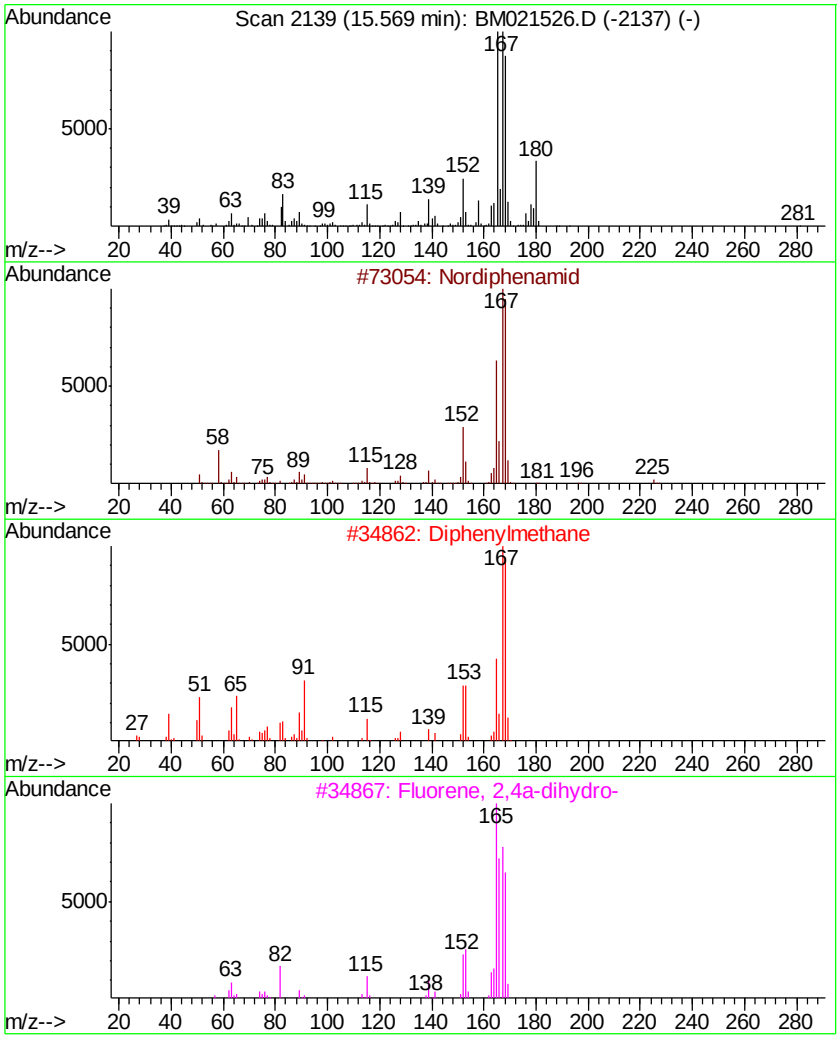
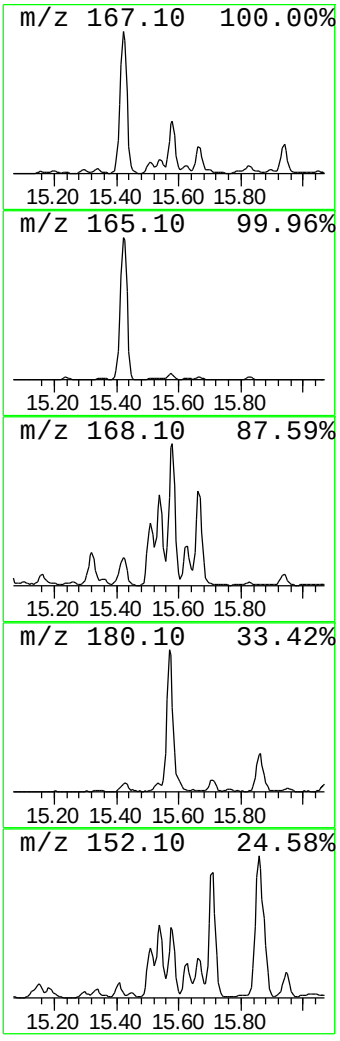
Peak Number 14 Nordiphenamid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	22.05 ng/ul	2508360	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	60
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
5	Diphenylmethane	168	C13H12	000101-81-5	52





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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 Diphenylmethane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	16.35 ng/ul	1859960	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	72
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
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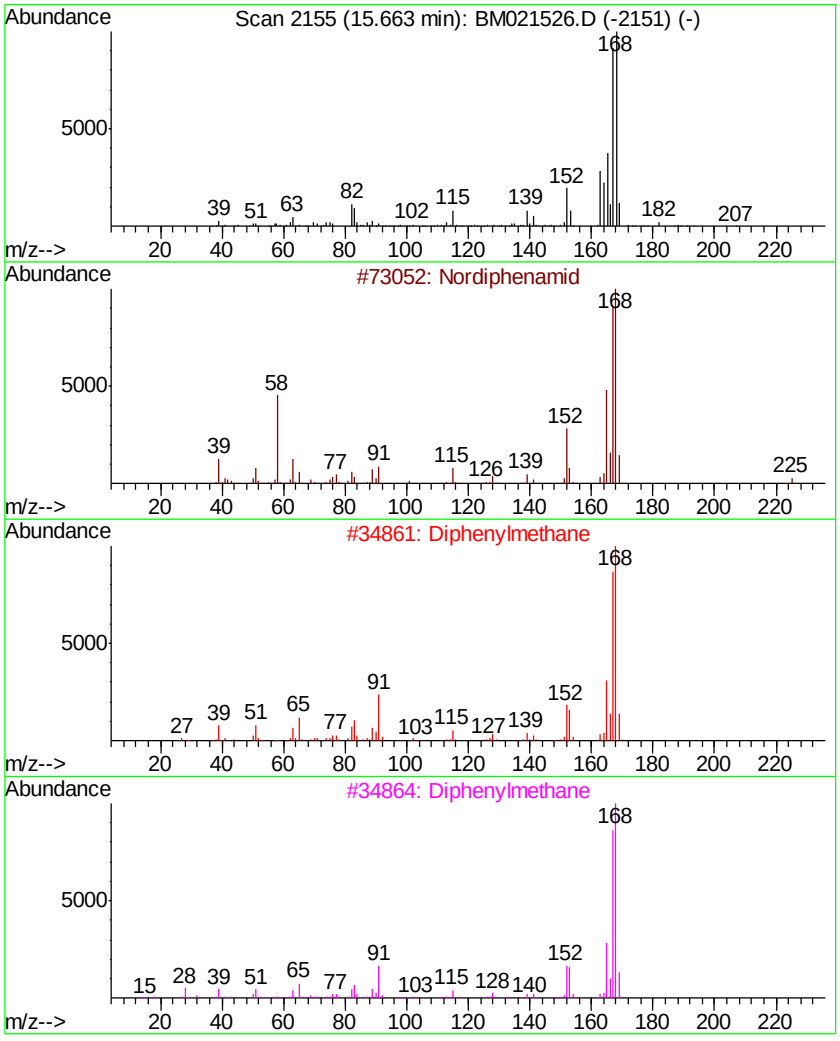

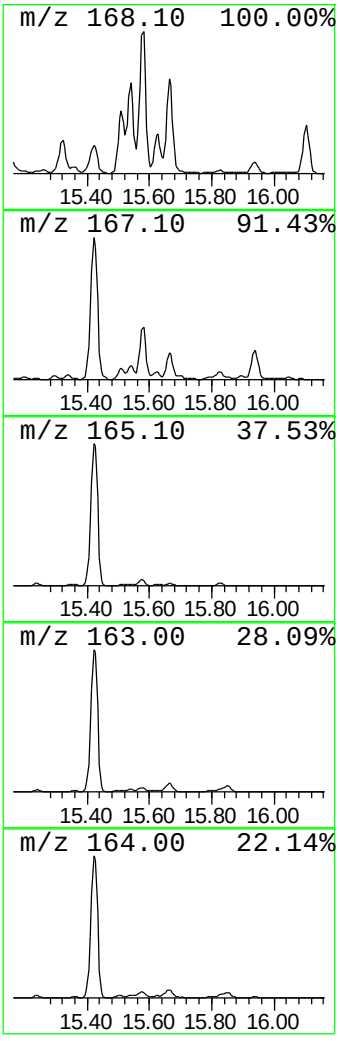

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Quant Title : SVOA CALIBRATION

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

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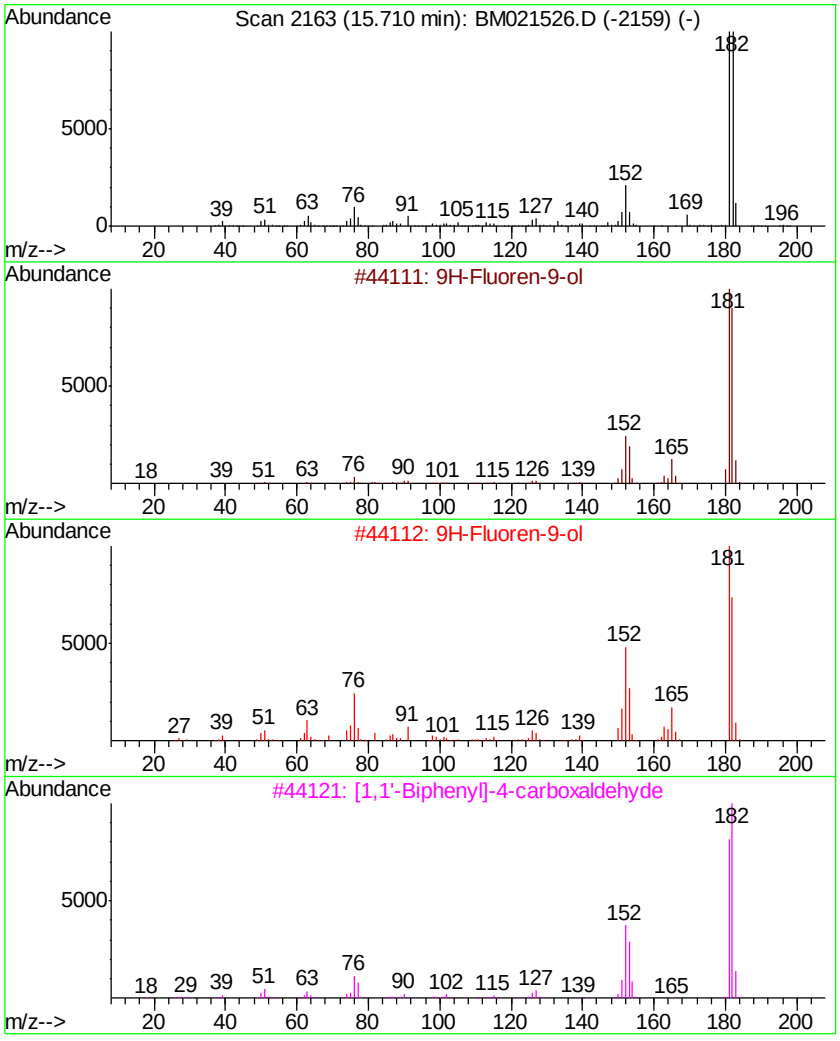
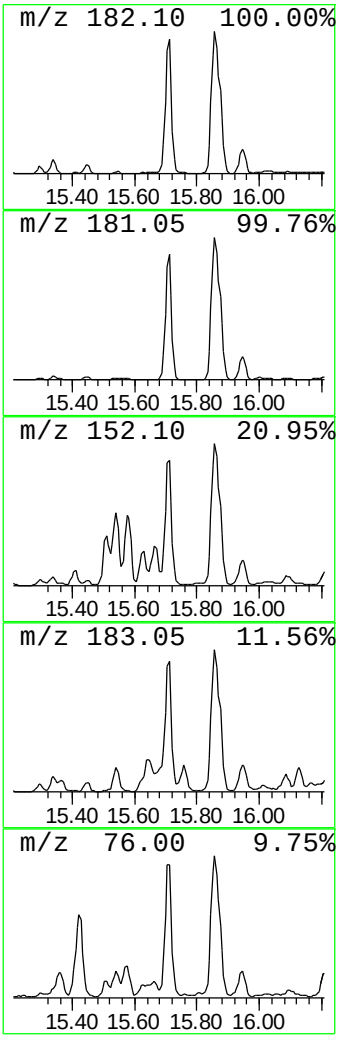
Peak Number 16 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	27.28 ng/ul	3103170	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Misc :
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Quant Title : SVOA CALIBRATION

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

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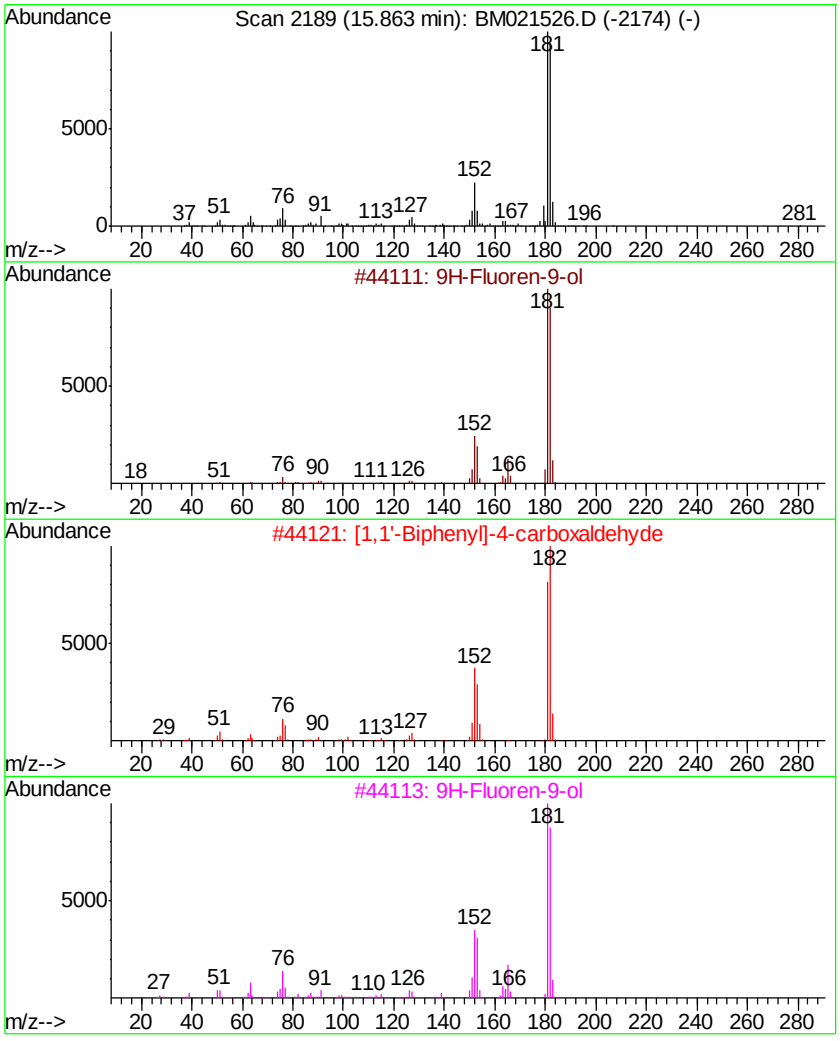
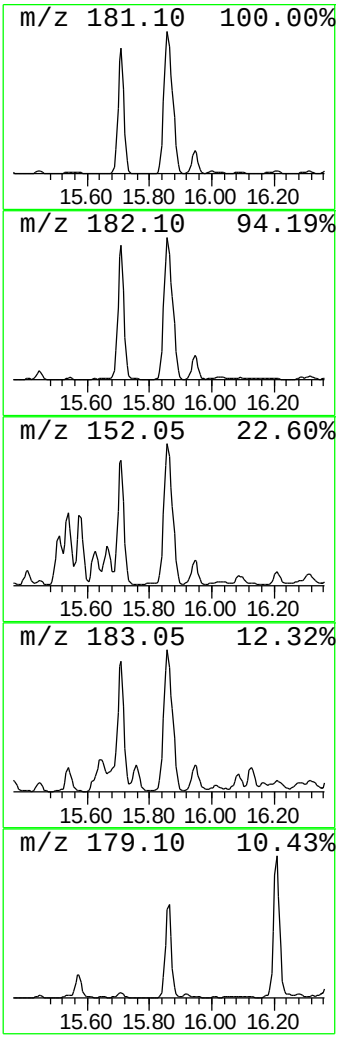
Peak Number 17 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	49.95 ng/ul	5781180	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	80





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Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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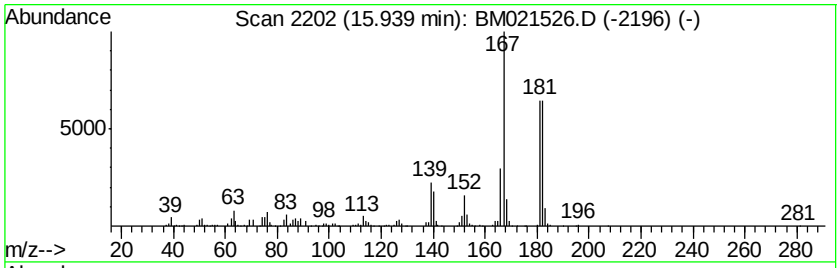
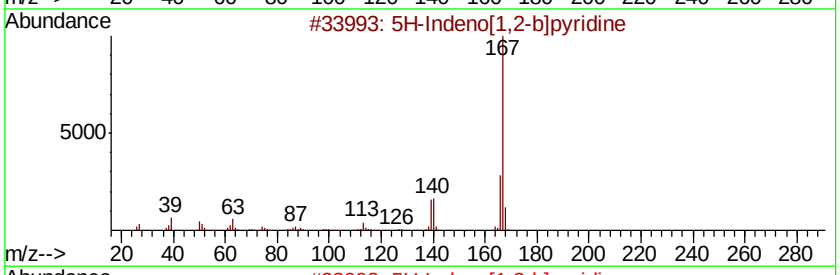
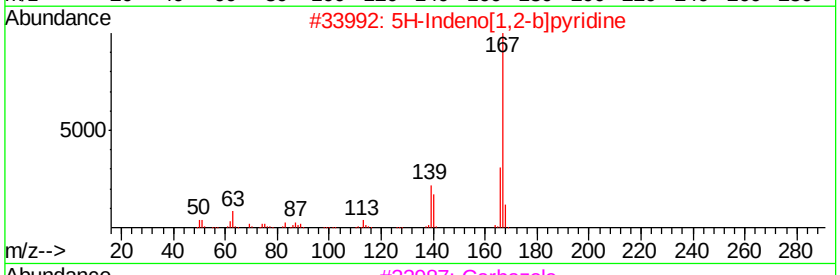
Peak Number 18 5H-Indeno[1,2-b]pyridine Concentration Rank 31

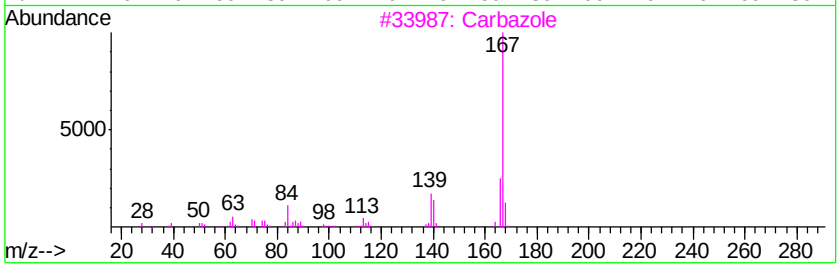
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	11.10 ng/ul	1284420	Phenanthrene-d10	17.12

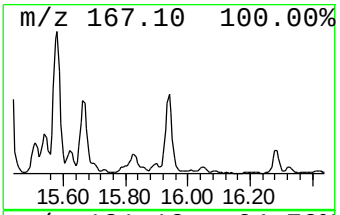
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	Carbazole	167	C12H9N	000086-74-8	86
4	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	76
5	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	70

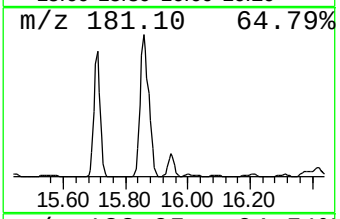


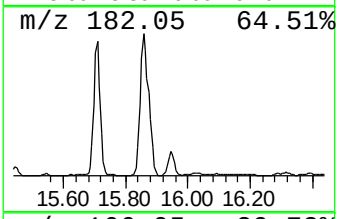


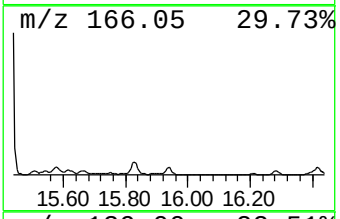


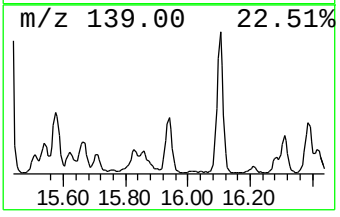












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Misc :
ALS Vial : 40 Sample Multiplier: 1

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ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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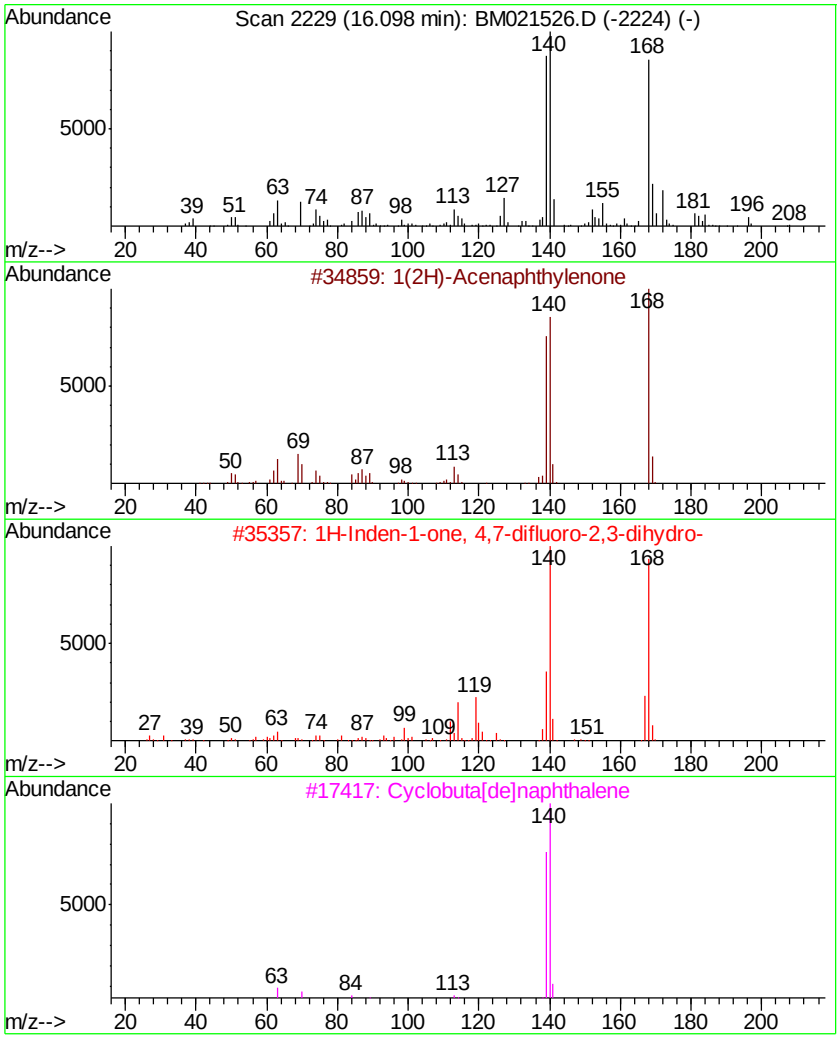
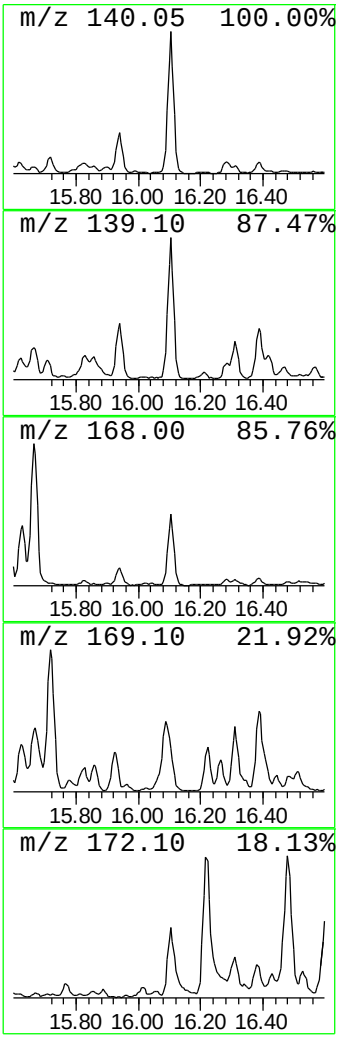
Peak Number 19 1(2H)-Acenaphthylenone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	9.87 ng/ul	1142170	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	50
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49
4	Dibenzofuran	168	C12H8O	000132-64-9	49
5	Dibenzofuran	168	C12H8O	000132-64-9	49





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ClientSampleId : HD-02-072219

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Quant Title : SVOA CALIBRATION

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

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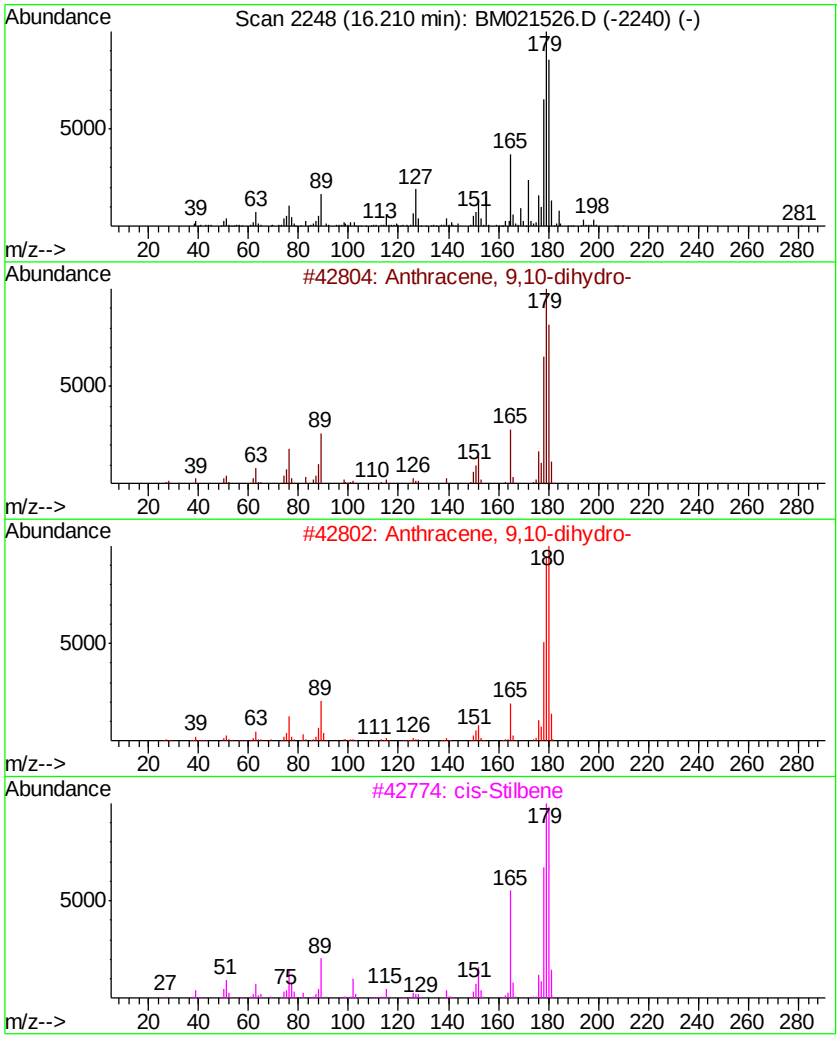
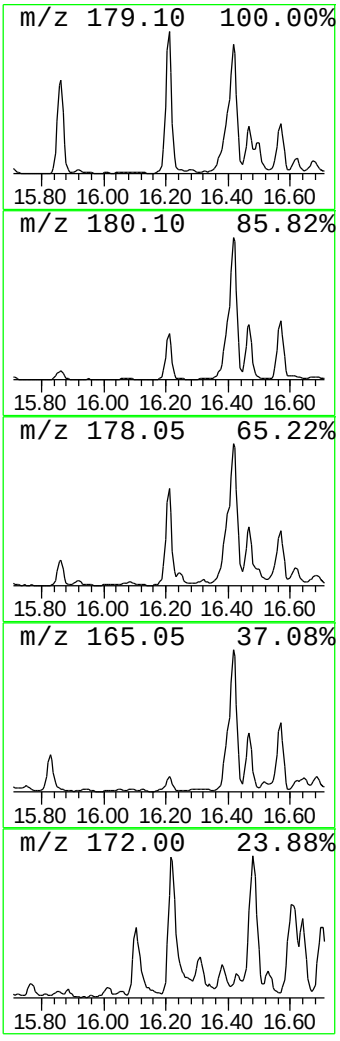
Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	9.30 ng/ul	1076800	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
3	cis-Stilbene	180	C14H12	000645-49-8	93
4	(E)-Stilbene	180	C14H12	000103-30-0	93
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	91





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Quant Title : SVOA CALIBRATION

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

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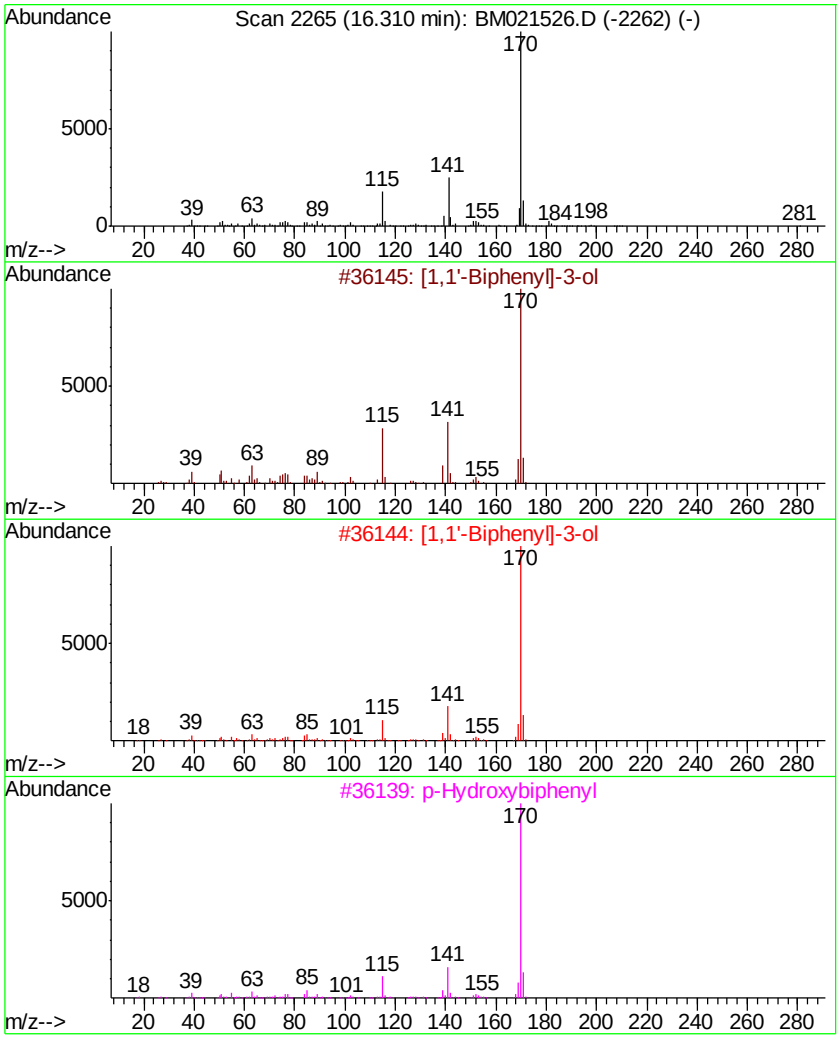
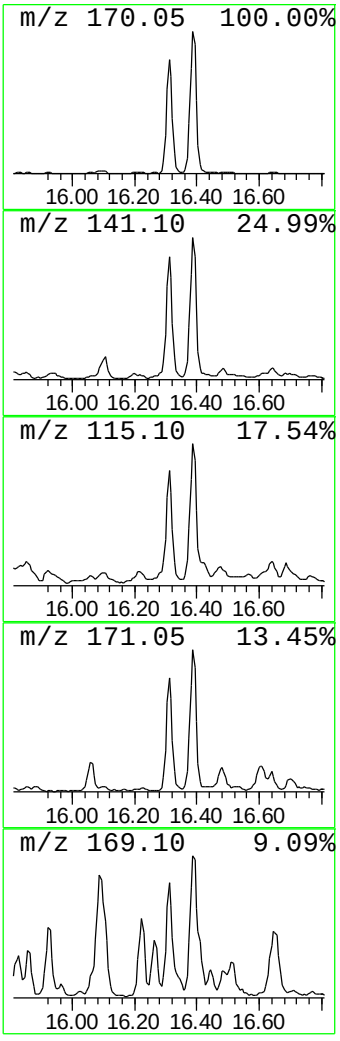
Peak Number 21 [1,1'-Biphenyl]-3-ol Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	9.37 ng/ul	1084590	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	91
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	87





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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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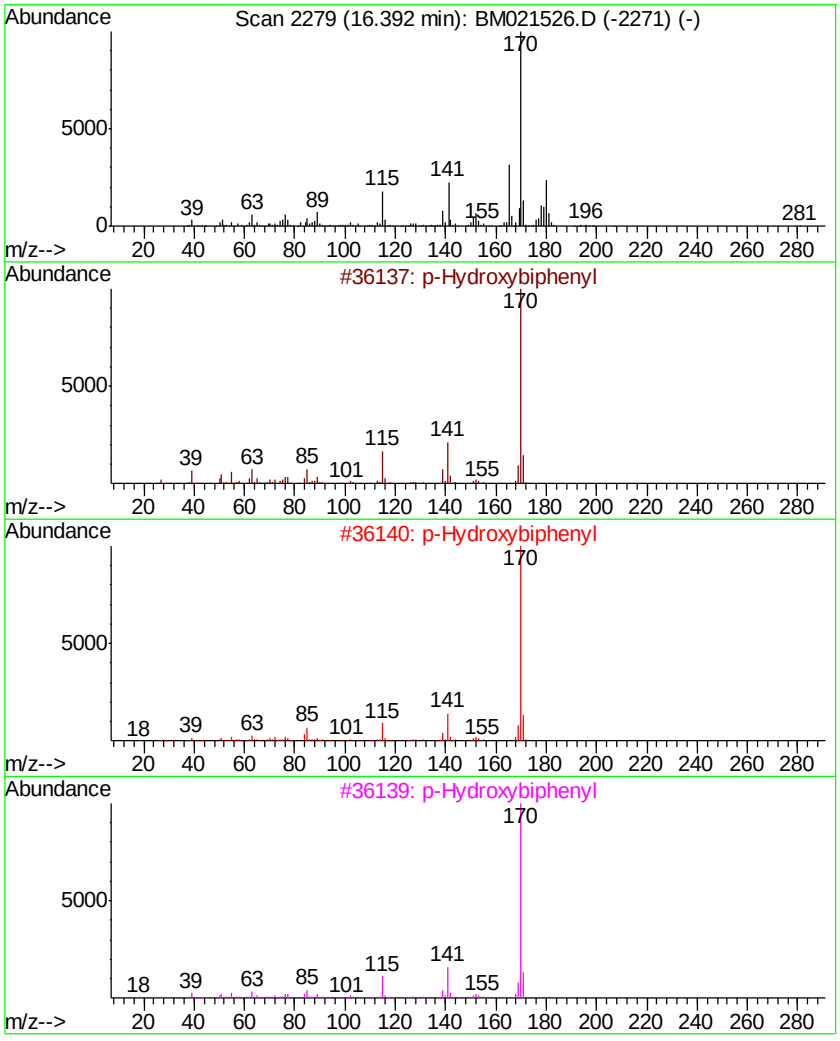
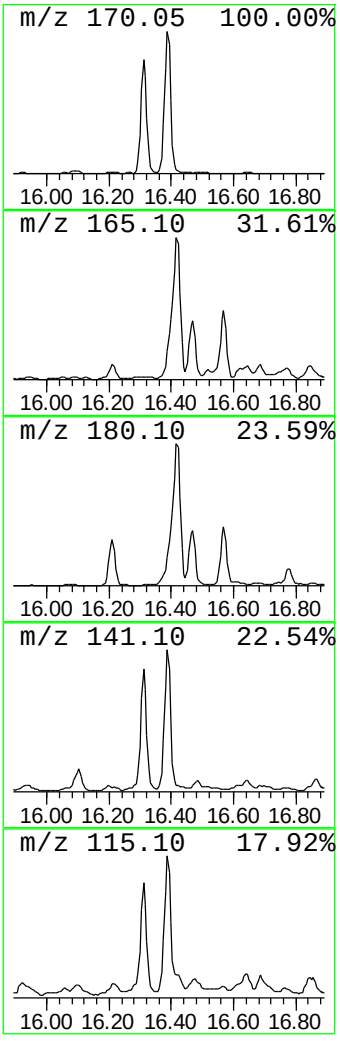
Peak Number 22 p-Hydroxybiphenyl Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	20.75 ng/ul	2401510	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	78
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	60
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60





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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 23 9H-Fluorene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	14.23 ng/ul	1647310	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
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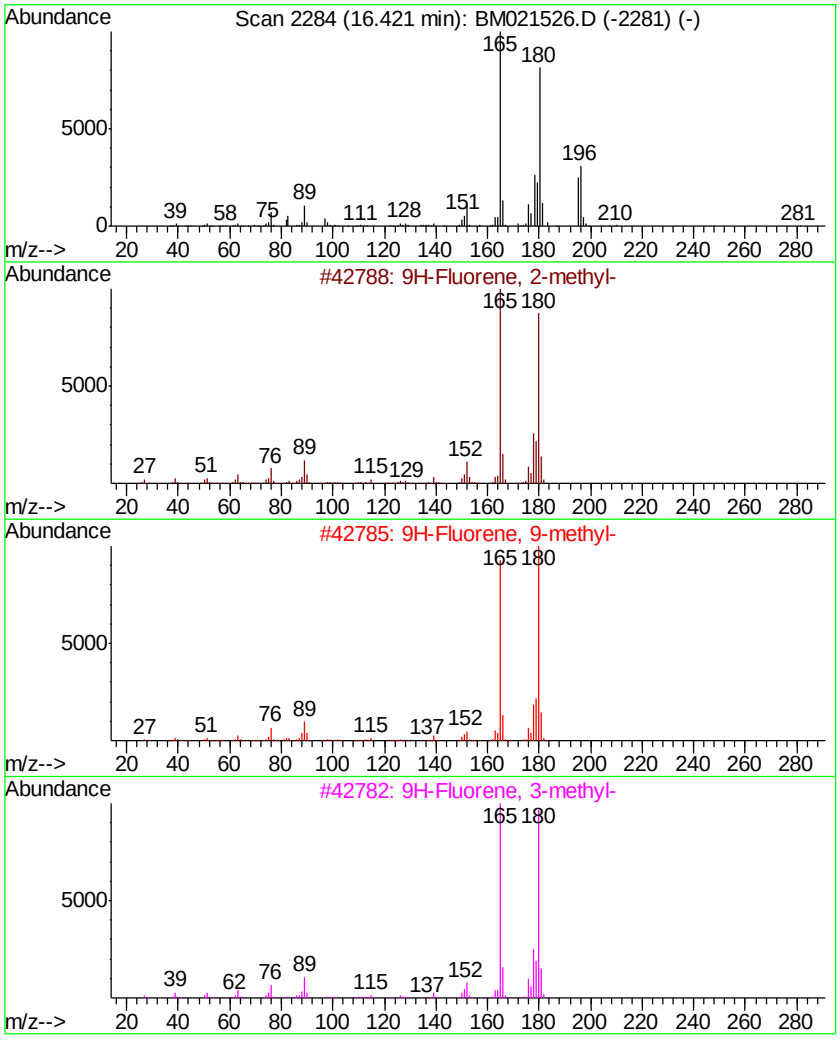

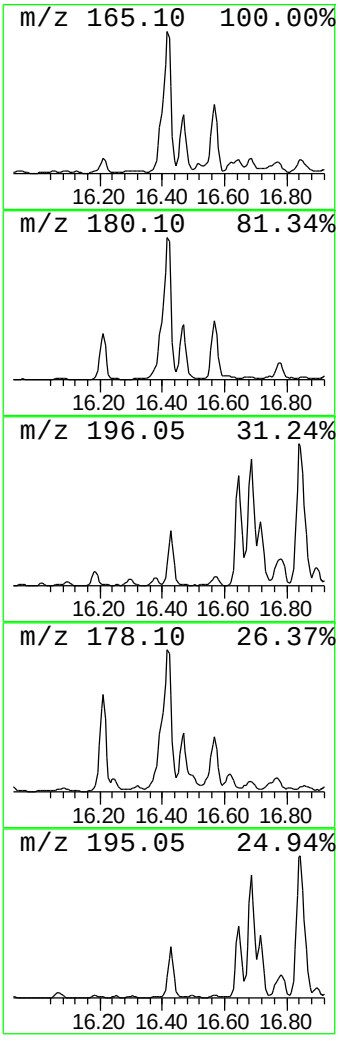

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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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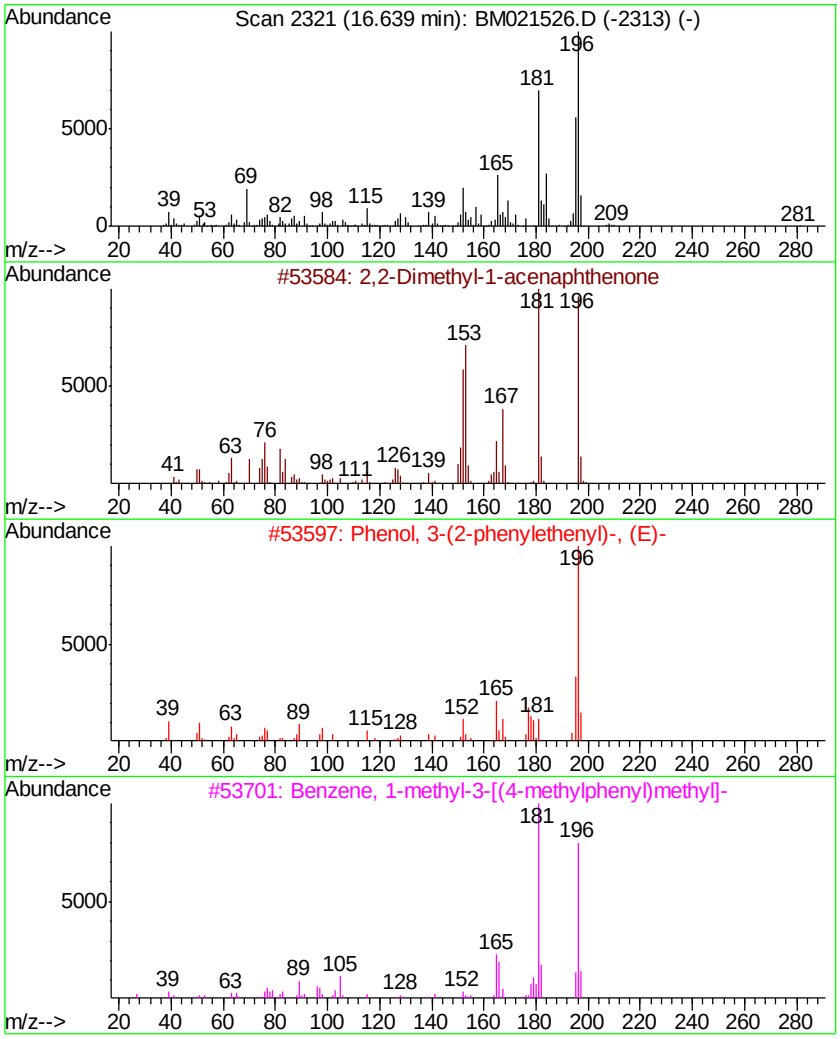
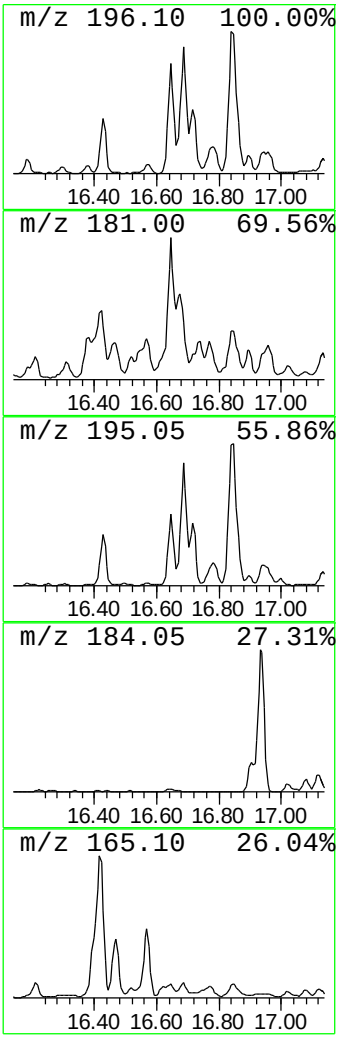
Peak Number 24 2,2-Dimethyl-1-acenaphthenone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	10.99 ng/ul	1271700	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	64
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
3	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	50
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	47
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43





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Quant Title : SVOA CALIBRATION

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

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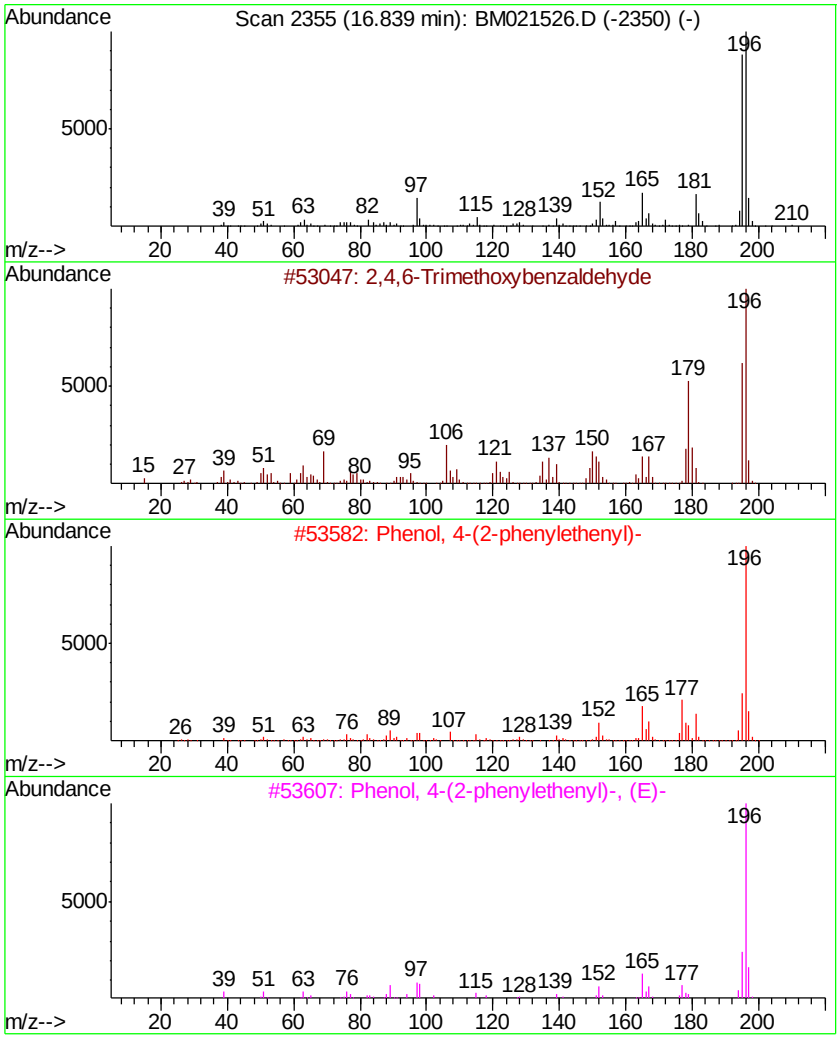
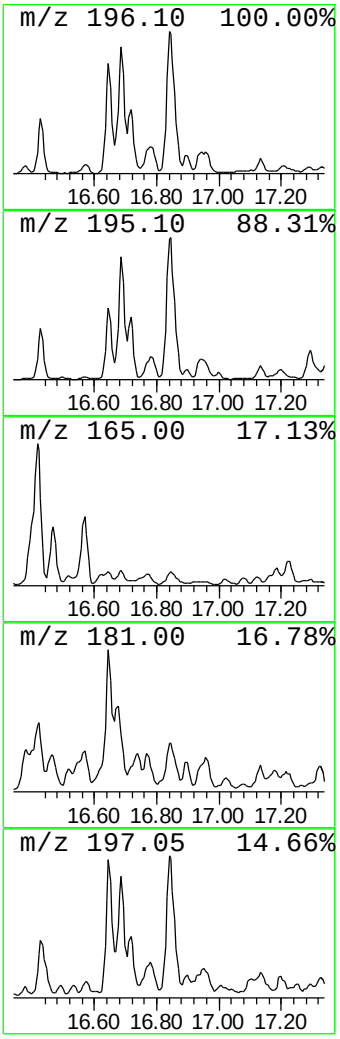
Peak Number 25 2,4,6-Trimethoxybenzaldehyde Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	11.36 ng/ul	1314770	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50





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Quant Title : SVOA CALIBRATION

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

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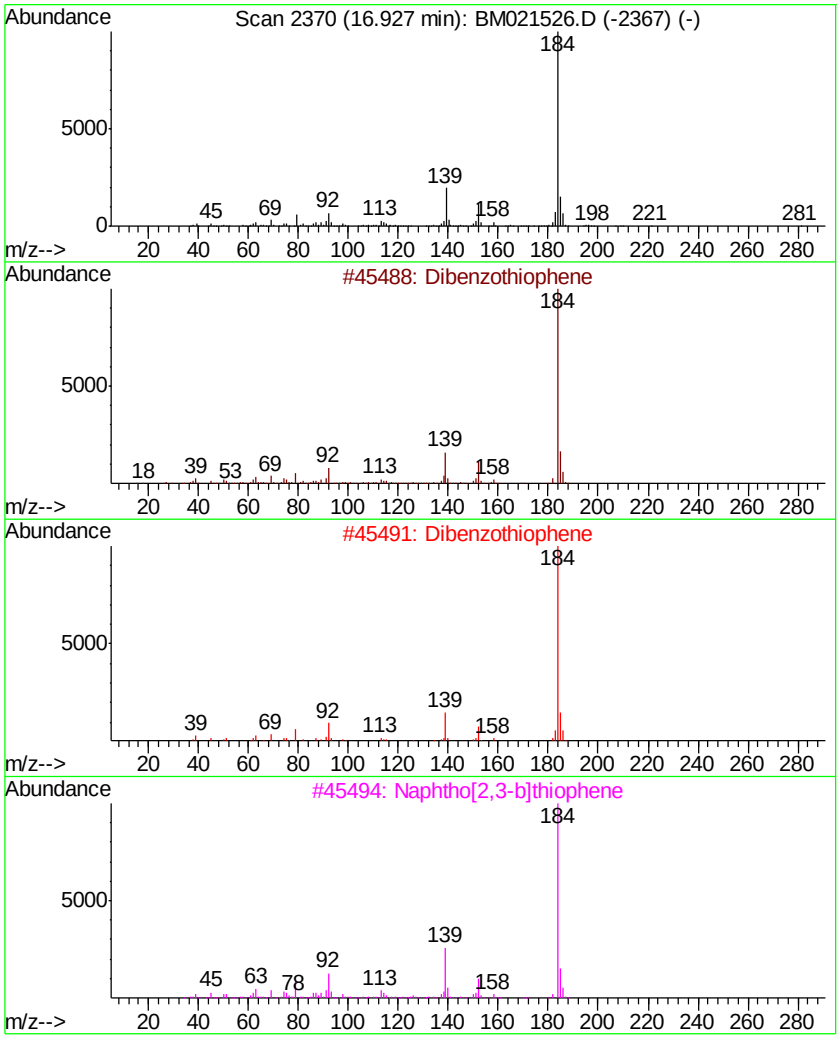
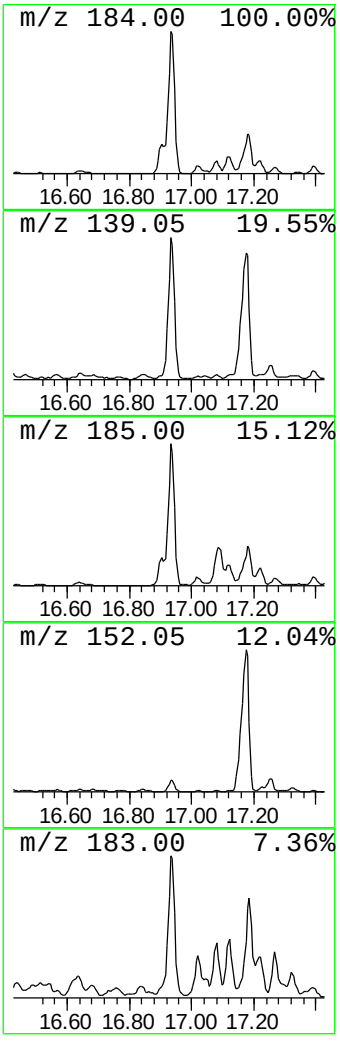
Peak Number 26 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	37.25 ng/ul	4311370	Phenanthrene-d10	17.12

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	93





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Quant Title : SVOA CALIBRATION

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

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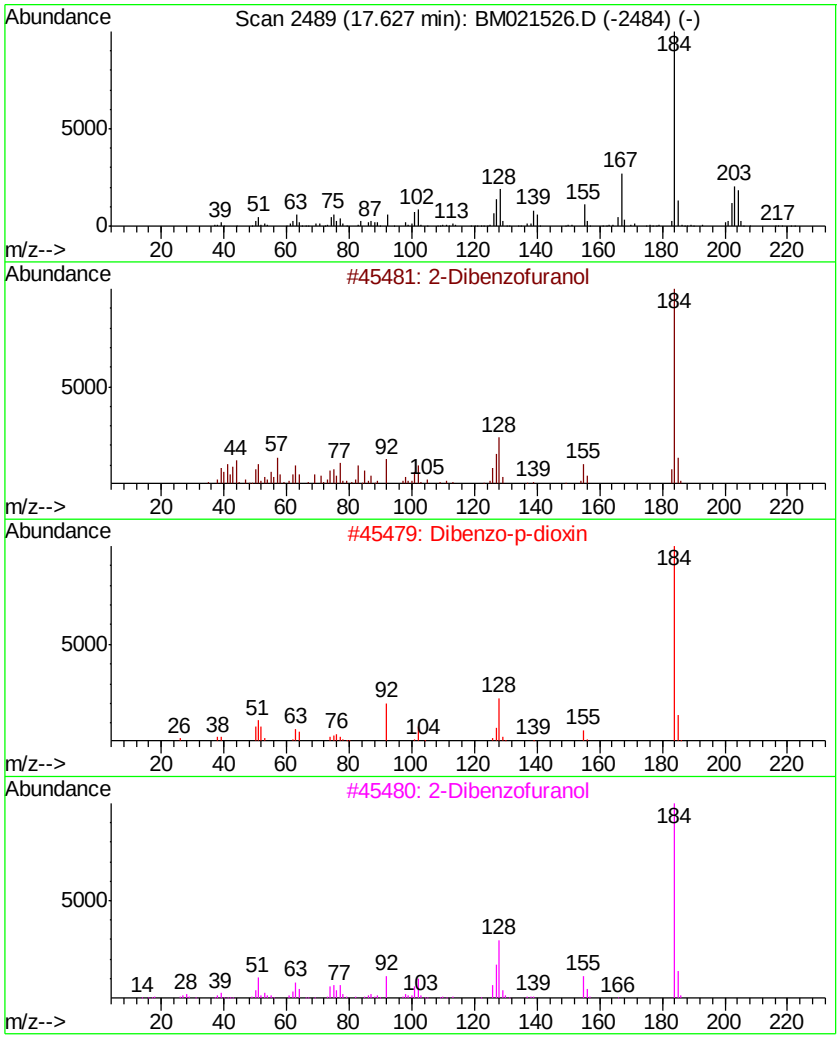
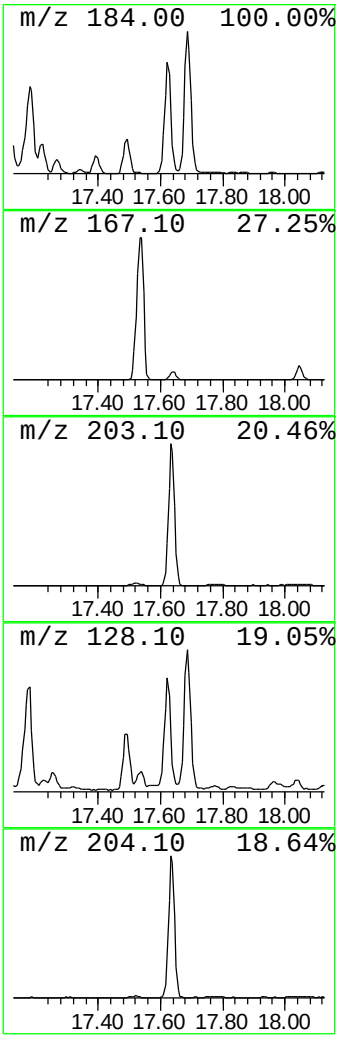
Peak Number 27 2-Dibenzofuranol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	29.85 ng/ul	3455200	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	52
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	52
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	50
4	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	49
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	46





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Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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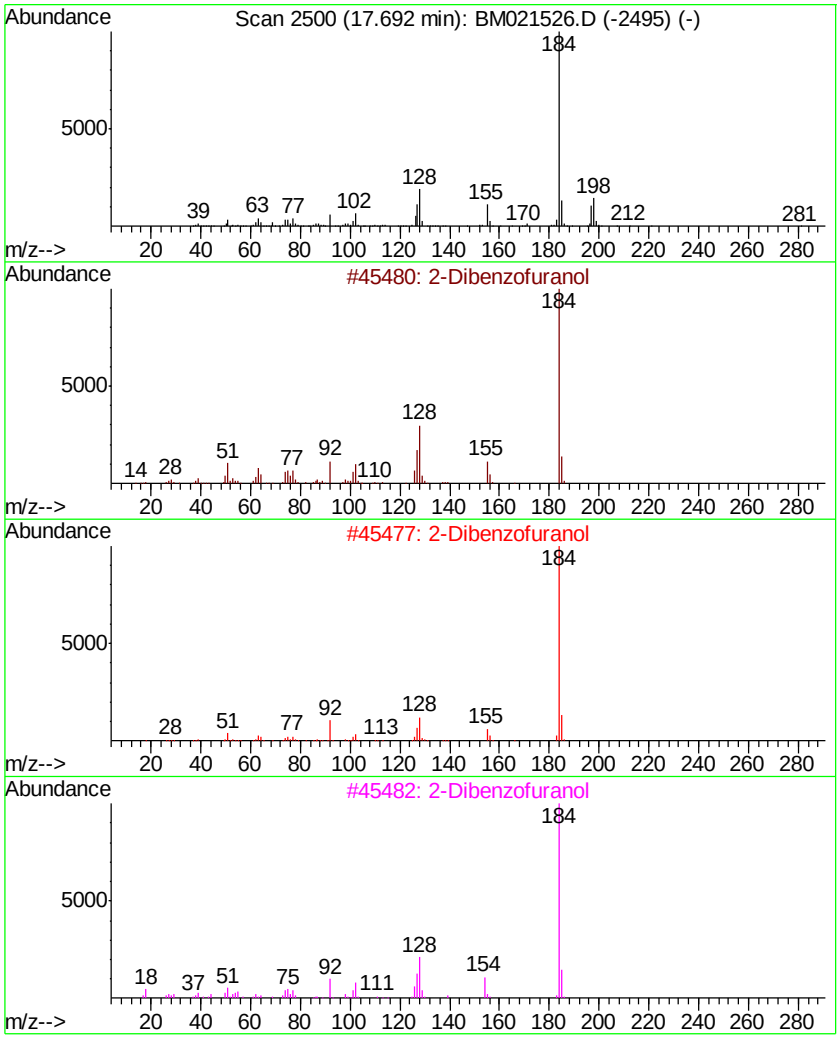
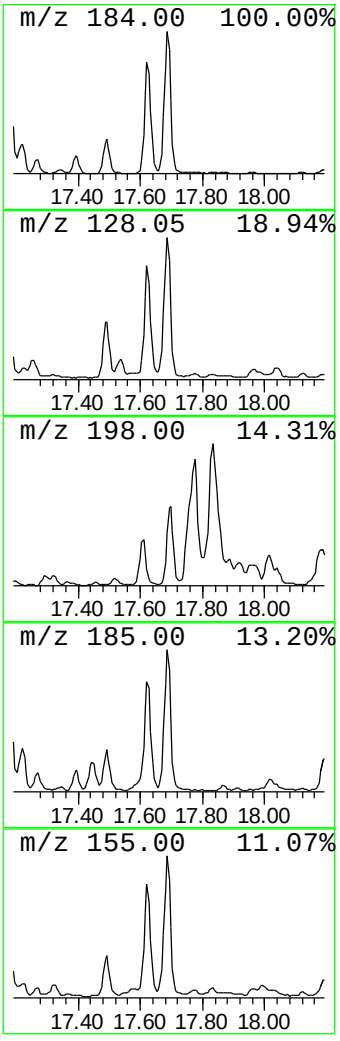
Peak Number 28 Dibenzo-p-dioxin Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	22.50 ng/ul	2603610	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	94
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	87
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	83
4	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	68
5	Pyrylium, 2,4-dimethyl-6-phenyl-...	312	C13H13IO	032339-28-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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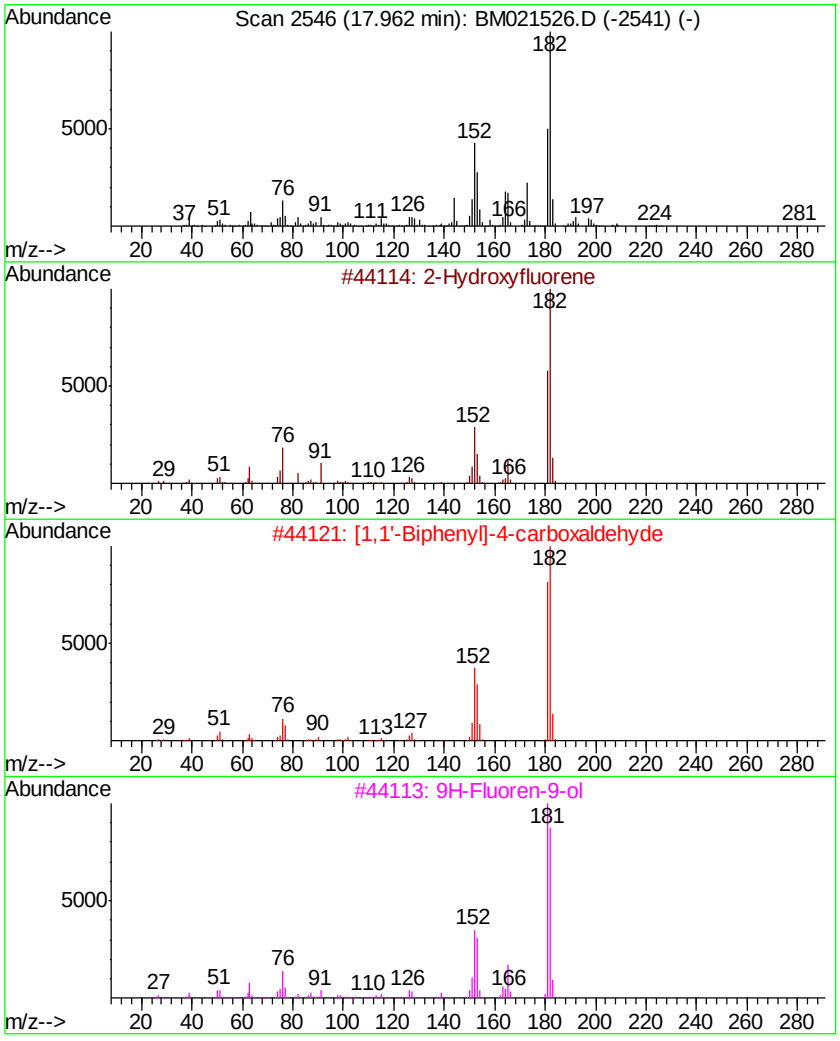
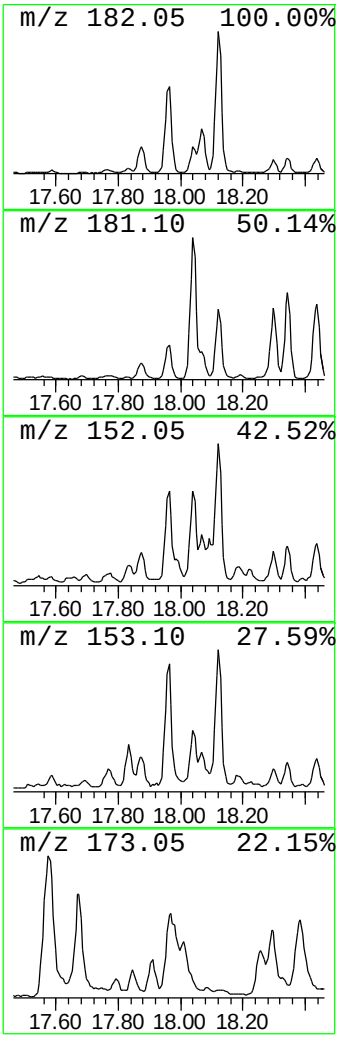
Peak Number 29 2-Hydroxyfluorene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	9.78 ng/ul	1132410	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	49
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	49
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.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
p-Xylene	5.38	32.3	ng/ul	1675480	1	7.72	1036840	20.0
Benzene, 1,2,3-tr...	7.36	39.4	ng/ul	2040040	1	7.72	1036840	20.0
Benzofuran	7.44	33.2	ng/ul	1721480	1	7.72	1036840	20.0
Indane	8.09	255.7	ng/ul	13257000	1	7.72	1036840	20.0
Benzene, 1-propynyl-	8.25	121.3	ng/ul	6285820	1	7.72	1036840	20.0
Benzofuran, 2-met...	9.06	25.2	ng/ul	1304540	1	7.72	1036840	20.0
Naphthalene, 1-me...	12.40	2.6	ng/ul	23149600	2	10.52	179648000	20.0
Naphthalene, 2-et...	13.39	21.7	ng/ul	2467210	3	14.36	2275420	20.0
Naphthalene, 1,5-...	13.52	29.8	ng/ul	3388990	3	14.36	2275420	20.0
Naphthalene, 2,7-...	13.68	50.5	ng/ul	5749150	3	14.36	2275420	20.0
Naphthalene, 2,3-...	13.92	18.9	ng/ul	2146670	3	14.36	2275420	20.0
1-Naphthalenecarb...	14.51	32.6	ng/ul	3713940	3	14.36	2275420	20.0
Naphthalene, 1,6,...	14.97	9.4	ng/ul	1067650	3	14.36	2275420	20.0
Nordiphenamid	15.57	22.1	ng/ul	2508360	3	14.36	2275420	20.0
Diphenylmethane	15.66	16.4	ng/ul	1859960	3	14.36	2275420	20.0
9H-Fluoren-9-ol	15.71	27.3	ng/ul	3103170	3	14.36	2275420	20.0
[1,1'-Biphenyl]-4...	15.86	50.0	ng/ul	5781180	4	17.12	2314800	20.0
5H-Indeno[1,2-b]p...	15.94	11.1	ng/ul	1284420	4	17.12	2314800	20.0
1(2H)-Acenaphthyl...	16.10	9.9	ng/ul	1142170	4	17.12	2314800	20.0
Anthracene, 9,10-...	16.21	9.3	ng/ul	1076800	4	17.12	2314800	20.0
[1,1'-Biphenyl]-3-ol	16.31	9.4	ng/ul	1084590	4	17.12	2314800	20.0
p-Hydroxybiphenyl	16.39	20.8	ng/ul	2401510	4	17.12	2314800	20.0
9H-Fluorene, 2-me...	16.42	14.2	ng/ul	1647310	4	17.12	2314800	20.0
2,2-Dimethyl-1-ac...	16.64	11.0	ng/ul	1271700	4	17.12	2314800	20.0
2,4,6-Trimethoxyb...	16.84	11.4	ng/ul	1314770	4	17.12	2314800	20.0
Dibenzothiophene	16.93	37.3	ng/ul	4311370	4	17.12	2314800	20.0
2-Dibenzofuranol	17.63	29.9	ng/ul	3455200	4	17.12	2314800	20.0
Dibenzo-p-dioxin	17.69	22.5	ng/ul	2603610	4	17.12	2314800	20.0
2-Hydroxyfluorene	17.96	9.8	ng/ul	1132410	4	17.12	2314800	20.0