LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

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-BM020620MA.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	13.151	1735	1745	1754	rBV	7065020	15885533	9.57%	0.853%
2	13.316	1763	1773	1778	rBV	9875970	17341252	10.45%	0.931%
3	13.369	1778	1782	1788	rVV	7480143	10094455	6.08%	0.542%
4	13.551	1806	1813	1816	rVV	3685429	5669459	3.42%	0.304%
5	13.710	1830	1840	1850	rBV2	2652240	4909878	2.96%	0.264%
6	13.998	1884	1889	1894	rVV	2004639	3508177	2.11%	0.188%
7	14.081	1894	1903	1908	rVV3	45280015	89928236	54.18%	4.829%
8	14.216	1920	1926	1936	rVB	2082131	5185107	3.12%	0.278%
9	14.316	1936	1943	1949	rBV	6250741	9033393	5.44%	0.485%
10	14.410	1949	1959	1966	rBV	24621019	37474643	22.58%	2.012%
11	14.486	1966	1972	1980	rBV	4178299	5860325	3.53%	0.315%
12	14.633	1990	1997	2001	rBV	2980213	4947393	2.98%	0.266%
13	14.686	2001	2006	2010	rVB	3044513	3945834	2.38%	0.212%
14	14.804	2018	2026	2029	rBV	2708174	4871880	2.94%	0.262%
15	15.004	2056	2060	2064	rVV	2751943	3925624	2.37%	0.211%
16	15.075	2064	2072	2076	rVV2	40267185	74606825	44.95%	4.006%
17	15.157	2082	2086	2089	rVV	5323257	8663729	5.22%	0.465%
18	15.186	2089	2091	2095	rVV	8463021	11478452	6.92%	0.616%
19	15.222	2095	2097	2102	rVV	4918619	6385122	3.85%	0.343%
20	15.275	2102	2106	2109	rVV	3002248	4604033	2.77%	0.247%
21	15.310	2109	2112	2116	rVV2	3738593	5034588	3.03%	0.270%
22	15.363	2116	2121	2130	rVB	18087289	25934287	15.62%	1.393%
23	15.516	2140	2147	2154	rBV	17792271	37319048	22.48%	2.004%
24	15.598	2154	2161	2168	rVB2	3680473	6835040	4.12%	0.367%
25	15.739	2180	2185	2193	rVB5	1623590	3530917	2.13%	0.190%
26	16.022	2229	2233	2234	rBV	2501716	3100276	1.87%	0.166%
27	16.075	2234	2242	2247	rVV3	11033197	24407000	14.70%	1.311%
28	16.116	2247	2249	2255	rVV2	4570508	6129486	3.69%	0.329%
29	16.216	2261	2266	2272	rVB3	4134666	7515685	4.53%	0.404%
30	16.269	2272	2275	2278	rBV	2278540	2916548	1.76%	0.157%
31	16.304	2278	2281	2284	rVV	5814488	8290342	4.99%	0.445%
32	16.345	2284	2288	2291	rVV4	6361099	9947714	5.99%	0.534%
33	16.375	2291	2293	2298	rVV2	2655603	3784620	2.28%	0.203%
34	16.422	2298	2301	2309	rVB4	2125915	4470096	2.69%	0.240%

LSC Area Percent Report

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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Title : SVOA CALIBRATION

35	16.504	2309	2315	2321	rBV2	9214348	17856872	10.76%	0.959%
36	16.574	2321	2327	2332	rBV	11352171	16514435	9.95%	0.887%
37	16.839	2360	2372	2376	rBV2	55642227	165986361	100.00%	8.914%
38	16.874	2376	2378	2379	rVV	4932430	4681940	2.82%	0.251%
39	16.904	2379	2383	2388	rVB	20392539	26526676	15.98%	1.425%
40	16.957	2388	2392	2398	rBV3	3218147	4947058	2.98%	0.266%
41	17.210	2431	2435	2443	rVV2	2647570	5179393	3.12%	0.278%
42	17.286	2443	2448	2453	rVV2	9715447	13659564	8.23%	0.734%
43	17.339	2453	2457	2467	rVB3	3631142	6528789	3.93%	0.351%
44	17.480	2476	2481	2486	rVB2	3735150	6709763	4.04%	0.360%
45	17.563	2489	2495	2499	rBV3	1530844	2698435	1.63%	0.145%
46	17.645	2501	2509	2513	rBV	26171984	42047208	25.33%	2.258%
47	17.698	2513	2518	2524	rVB	35858054	53184481	32.04%	2.856%
48	17.774	2524	2531	2536	rBV	6359603	11265942	6.79%	0.605%
49	17.845	2536	2543	2546	rBV2	43352769	81074831	48.84%	4.354%
50	17.874	2546	2548	2555	rVB	15433050	15642470	9.42%	0.840%
51	18.145	2589	2594	2598	rVV	18576960	26030415	15.68%	1.398%
52	18.204	2598	2604	2611	rVV	10761344	18417217	11.10%	0.989%
53	18.269	2611	2615	2619	rVB	2631815	3108655	1.87%	0.167%
54	18.392	2628	2636	2642	rBV2	7195141	14202444	8.56%	0.763%
55	18.445	2642	2645	2649	rVB	4575480	5219922	3.14%	0.280%
56	18.486	2649	2652	2660	rVB	4143900	6272369	3.78%	0.337%
57	18.574	2660	2667	2671	rBV	6456717	12021664	7.24%	0.646%
58	18.633	2671	2677	2681	rBV3	3998692	7390380	4.45%	0.397%
59	18.751	2687	2697	2704	rVB	13376830	27362453	16.48%	1.469%
60	18.868	2705	2717	2718	rBV2	58522767	151097510	91.03%	8.114%
61	18.945	2728	2730	2737	rVB2	4235285	5283653	3.18%	0.284%
62	19.080	2746	2753	2758	rBV2	12683873	18825816	11.34%	1.011%
63	19.221	2768	2777	2780	rBV3	69213595	165017960	99.42%	8.862%
64	19.286	2785	2788	2795	rVB2	10248377	13303964	8.02%	0.714%
65	19.392	2795	2806	2811	rBV	13440530	20256190	12.20%	1.088%
66	19.445	2811	2815	2822	rVB3	3119783	5455575	3.29%	0.293%
67	19.545	2822	2832	2836	rBV3	10247424	26848296	16.18%	1.442%
68	19.586	2836	2839	2842	rVV2	2670324	3567616	2.15%	0.192%
69	19.668	2849	2853	2856	rVV2	8038733	13517278	8.14%	0.726%
70	19.710	2856	2860	2864	rVB	17115879	24093388	14.52%	1.294%
71	19.810	2872	2877	2881	rVV	11727281	15794330	9.52%	0.848%

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Misc :
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Instrument : BNA_M
ClientSampleId : DBD20

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Title : SVOA CALIBRATION

72	19.863	2881	2886	2890	rVV2	13215572	21879000	13.18%	1.175%
73	19.904	2890	2893	2897	rVV2	4525073	6863757	4.14%	0.369%
74	19.945	2897	2900	2905	rVV	3917395	5630821	3.39%	0.302%
75	20.004	2906	2910	2913	rVV	4708169	6524132	3.93%	0.350%
76	20.045	2913	2917	2922	rVV2	6105911	10566199	6.37%	0.567%
77	20.274	2950	2956	2958	rBV3	1849416	3262149	1.97%	0.175%
78	20.339	2963	2967	2970	rVV2	1940678	3104345	1.87%	0.167%
79	20.457	2983	2987	2993	rVB	14026391	18007838	10.85%	0.967%
80	20.615	3008	3014	3018	rVV2	10927134	16658676	10.04%	0.895%
81	20.657	3018	3021	3024	rVV	10187390	12405862	7.47%	0.666%
82	20.698	3024	3028	3032	rVV2	6518854	11529641	6.95%	0.619%
83	20.757	3034	3038	3047	rVB	11074759	15294665	9.21%	0.821%
84	20.857	3048	3055	3065	rVB	2308566	4786034	2.88%	0.257%
85	20.968	3065	3074	3078	rBV4	36092248	61331148	36.95%	3.294%
86	21.021	3078	3083	3089	rVV	30398281	44463741	26.79%	2.388%
87	21.127	3098	3101	3107	rVB	3848450	4289566	2.58%	0.230%
88	21.274	3122	3126	3132	rBV2	2866658	5214773	3.14%	0.280%
89	21.509	3160	3166	3169	rVV	4123410	6074937	3.66%	0.326%
90	21.557	3170	3174	3180	rVV2	3016358	5043678	3.04%	0.271%
91	21.621	3182	3185	3192	rVV3	1298151	2694737	1.62%	0.145%
92	21.686	3192	3196	3199	rVV2	2196639	3114619	1.88%	0.167%
93	21.945	3235	3240	3245	rBV	3187545	4377265	2.64%	0.235%
94	22.098	3262	3266	3272	rVB2	1986205	3012118	1.81%	0.162%
95	22.204	3279	3284	3294	rVB4	2568278	4559625	2.75%	0.245%
96	22.451	3319	3326	3330	rBV2	11178723	23591367	14.21%	1.267%
97	22.874	3393	3398	3405	rVB	4107236	6667452	4.02%	0.358%
98	22.962	3407	3413	3419	rVV2	4110764	7133885	4.30%	0.383%
99	23.045	3421	3427	3431	rVV2	2772915	5285718	3.18%	0.284%
100	25.056	3762	3769	3780	rVB2	1388665	3665366	2.21%	0.197%

Sum of corrected areas: 1862159424

LSC Report - Integrated Chromatogram

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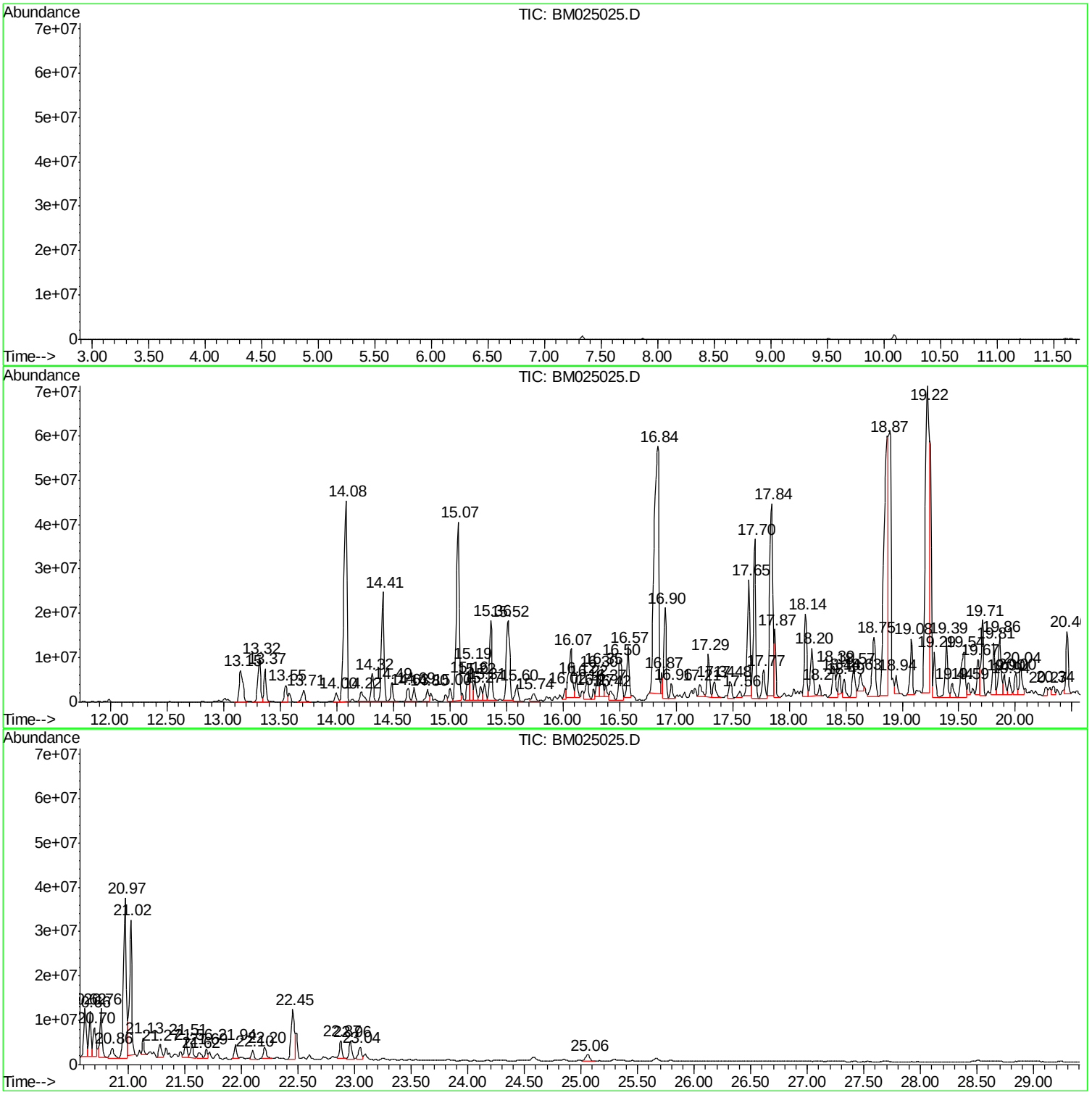
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

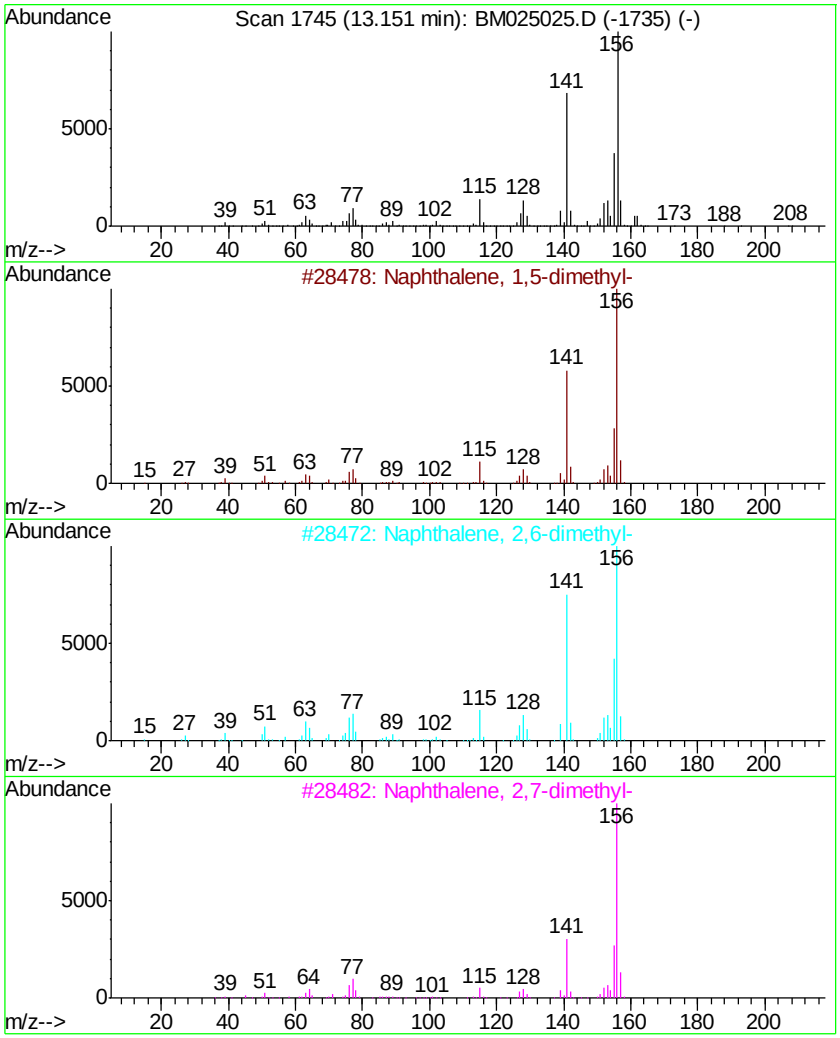
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

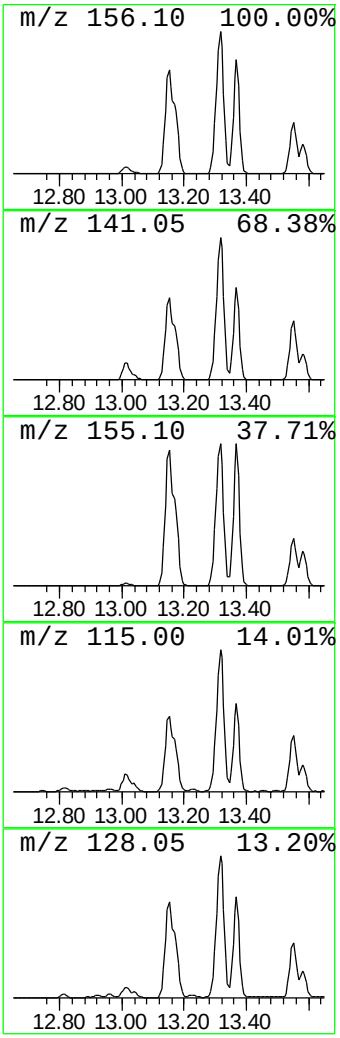
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	90.56 ng/ul	15885500	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Sample : L1507-22
Misc :
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Instrument : BNA_M
ClientSampleId : DBD20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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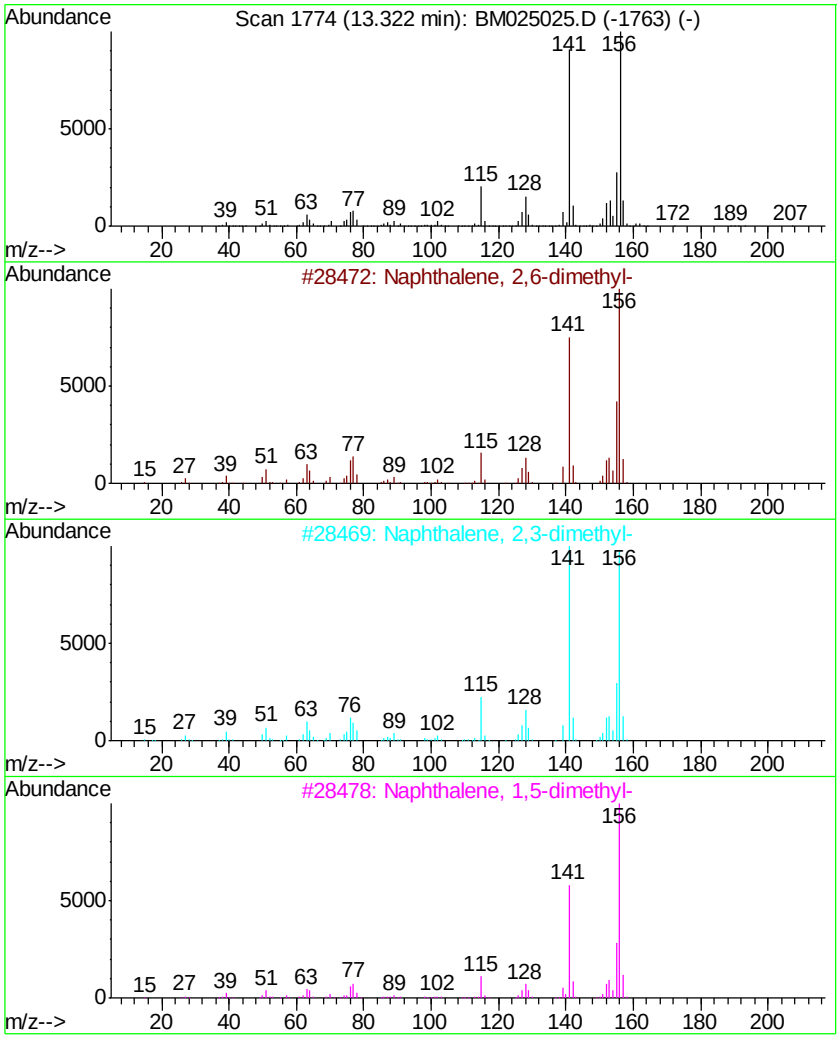
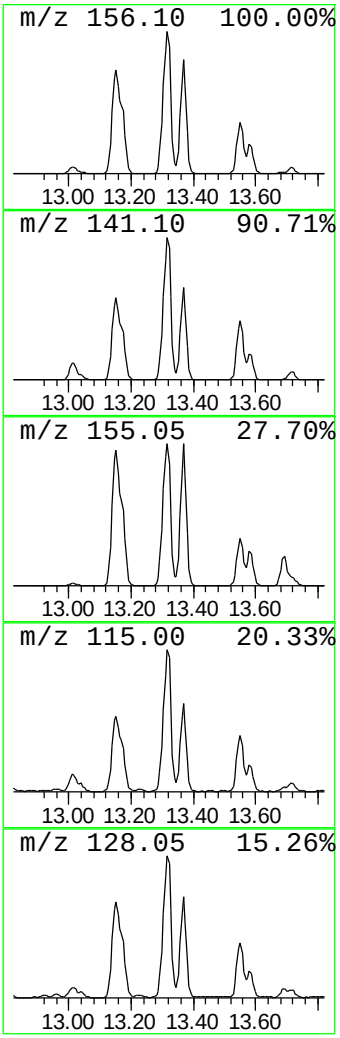
Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	98.86 ng/ul	17341300	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Quant Title : SVOA CALIBRATION

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

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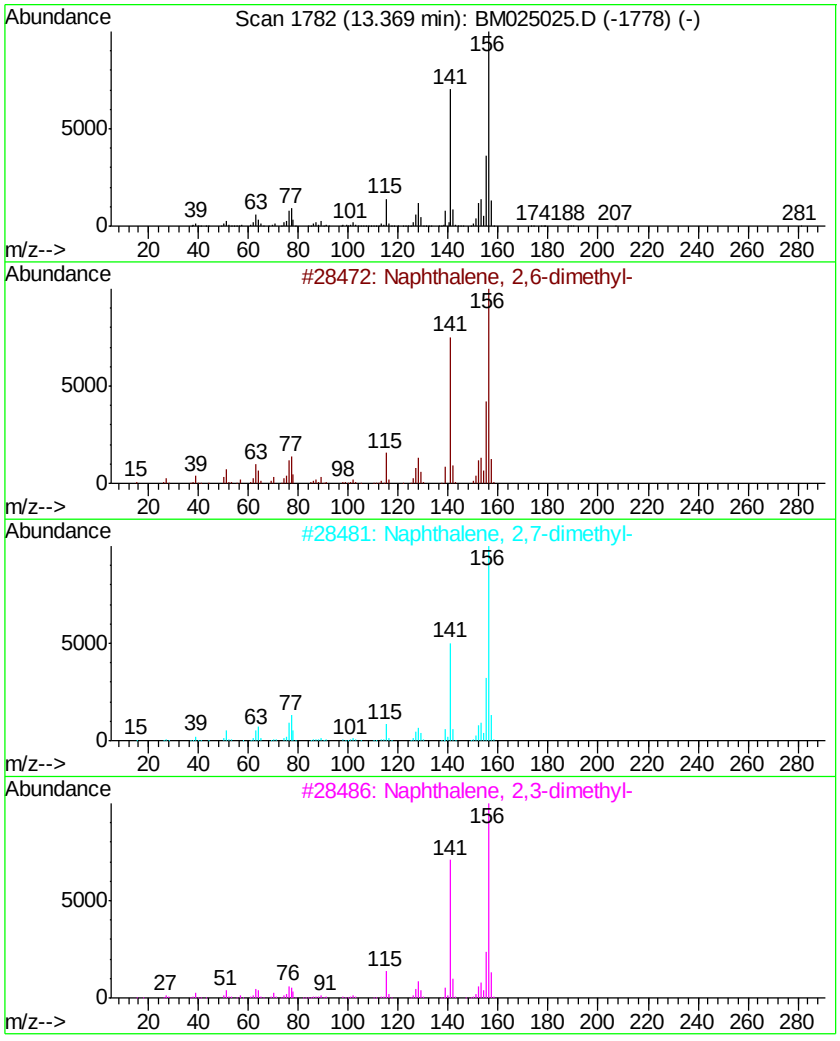
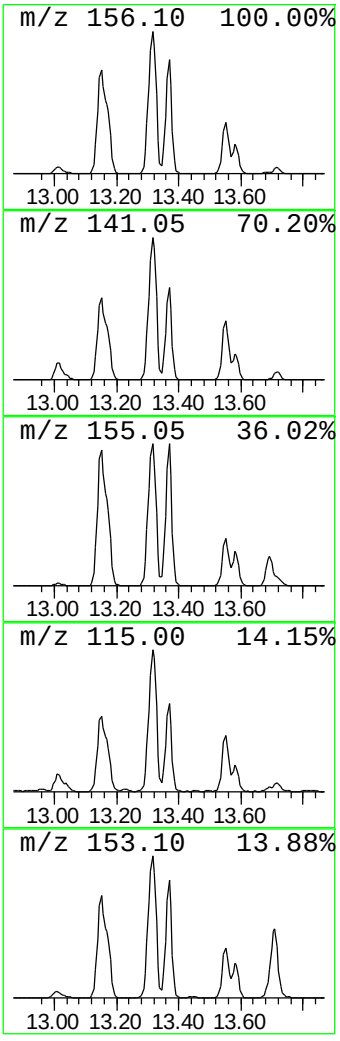
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	57.55 ng/ul	10094500	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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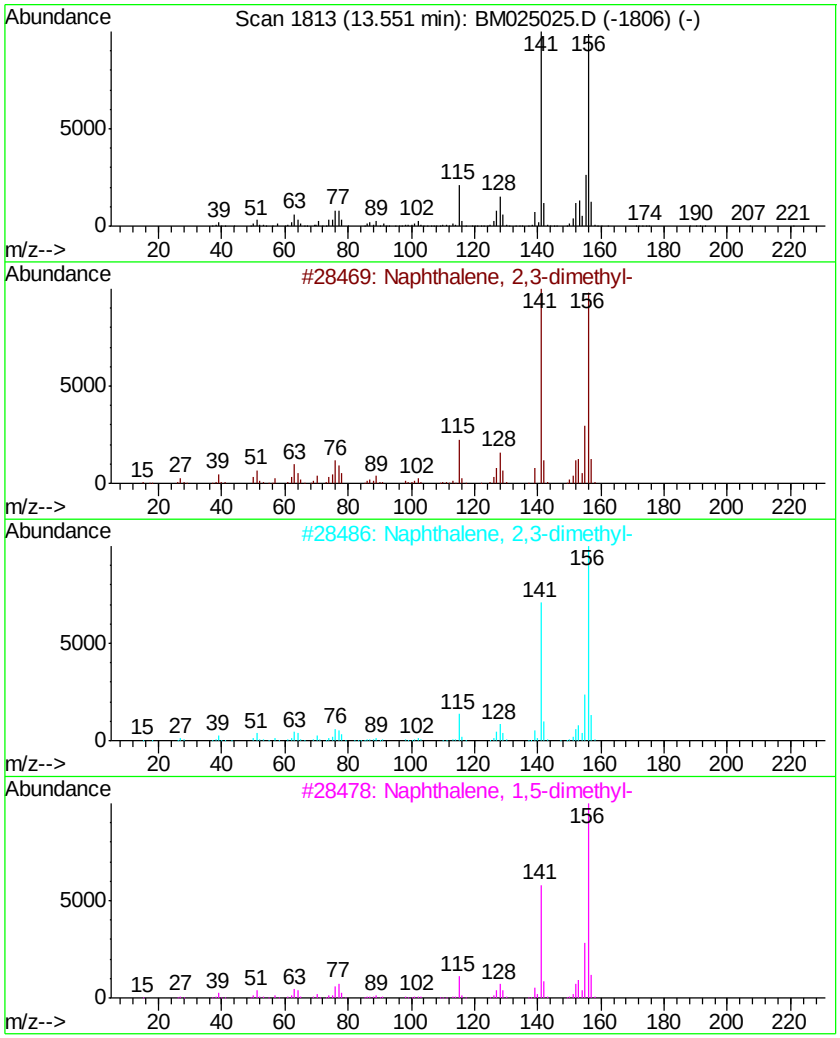
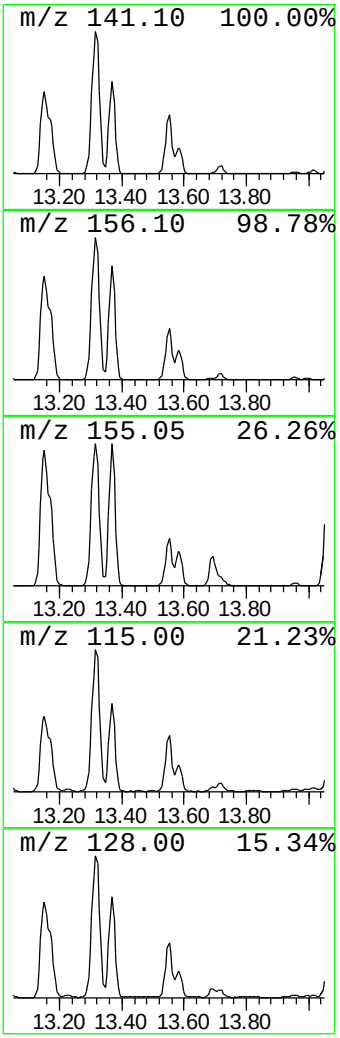
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	32.32 ng/ul	5669460	Acenaphthene-d10	14.00

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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Sample : L1507-22
Misc :
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Instrument : BNA_M
ClientSampleId : DBD20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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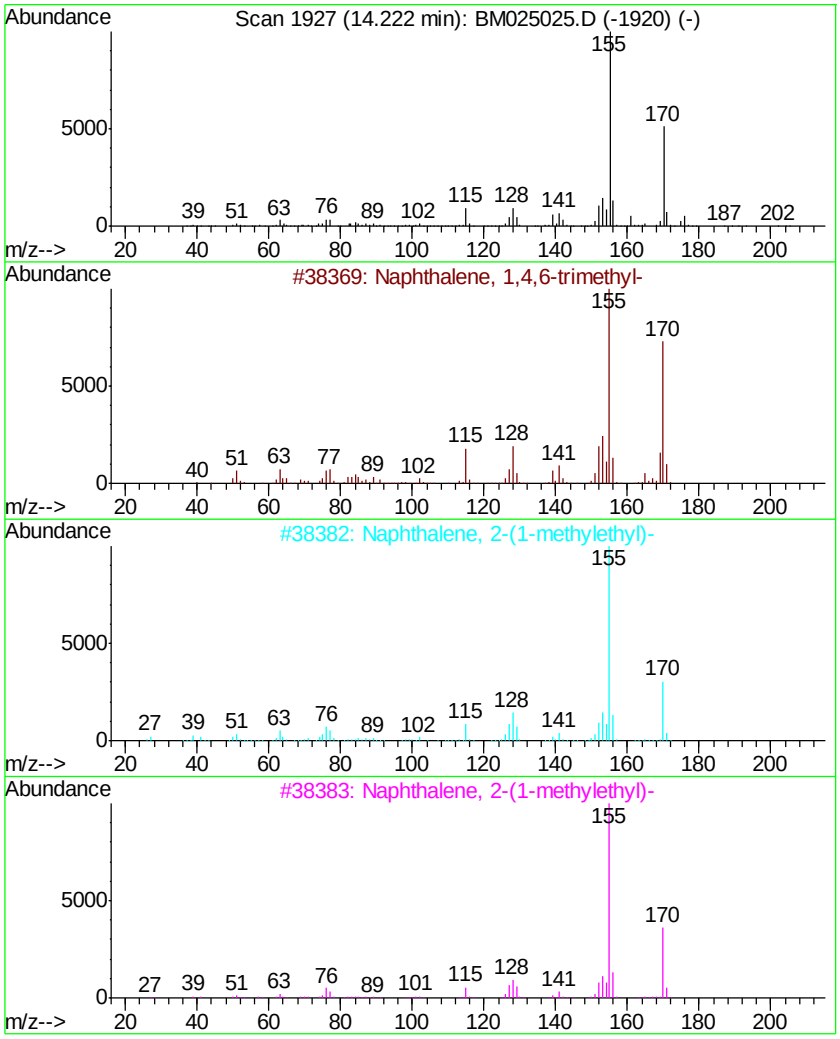
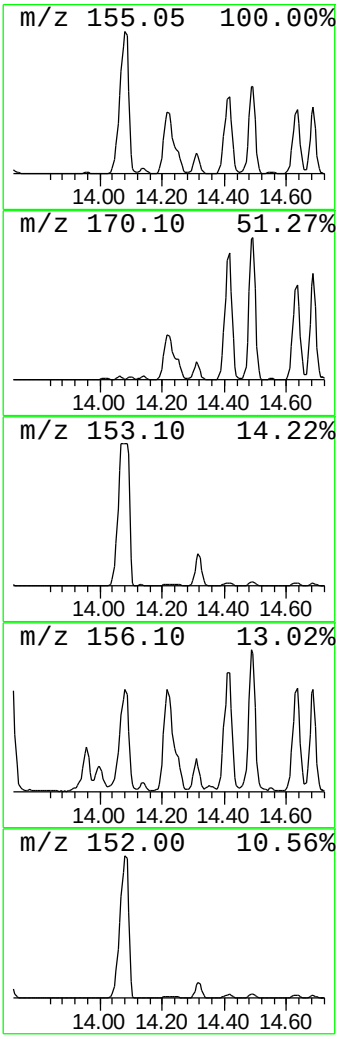
Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	29.56 ng/ul	5185110	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72





Library Search Compound Report

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Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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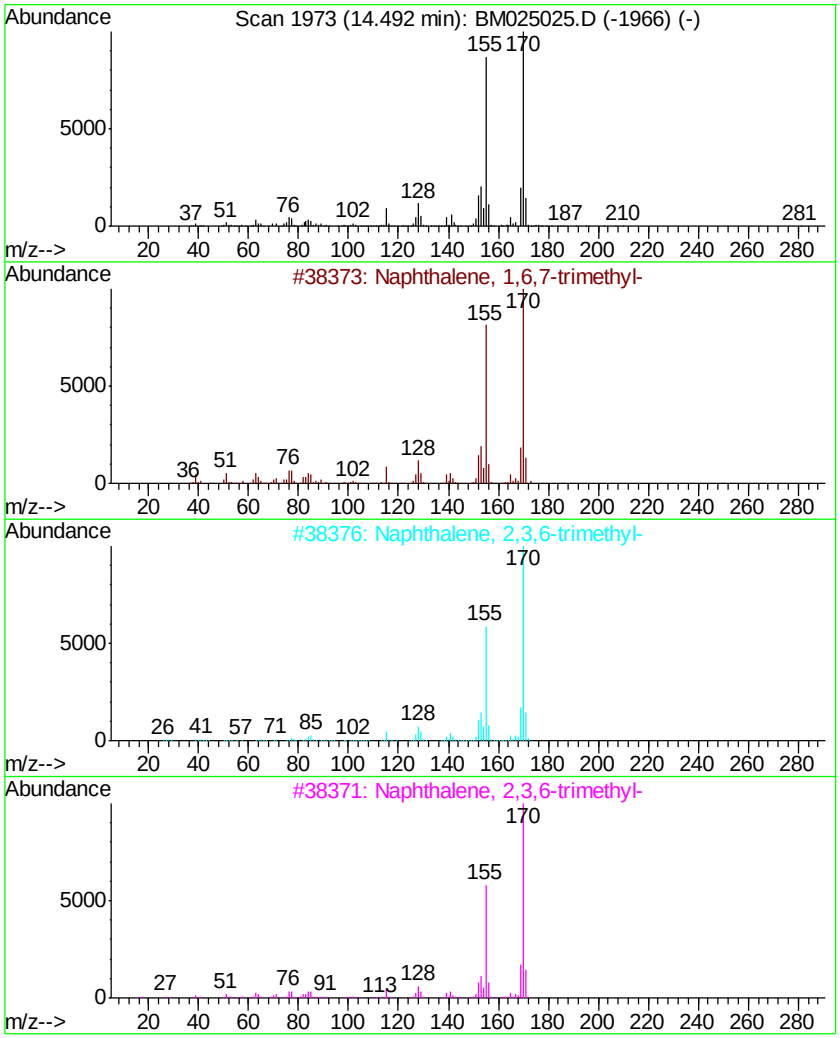
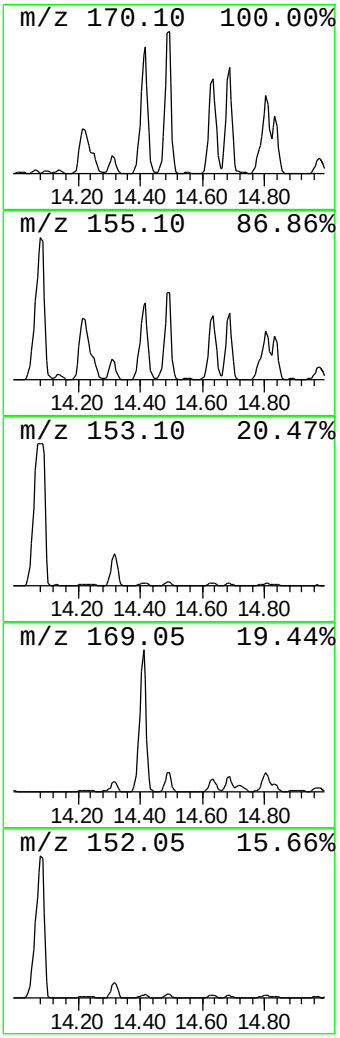
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	33.41 ng/ul	5860330	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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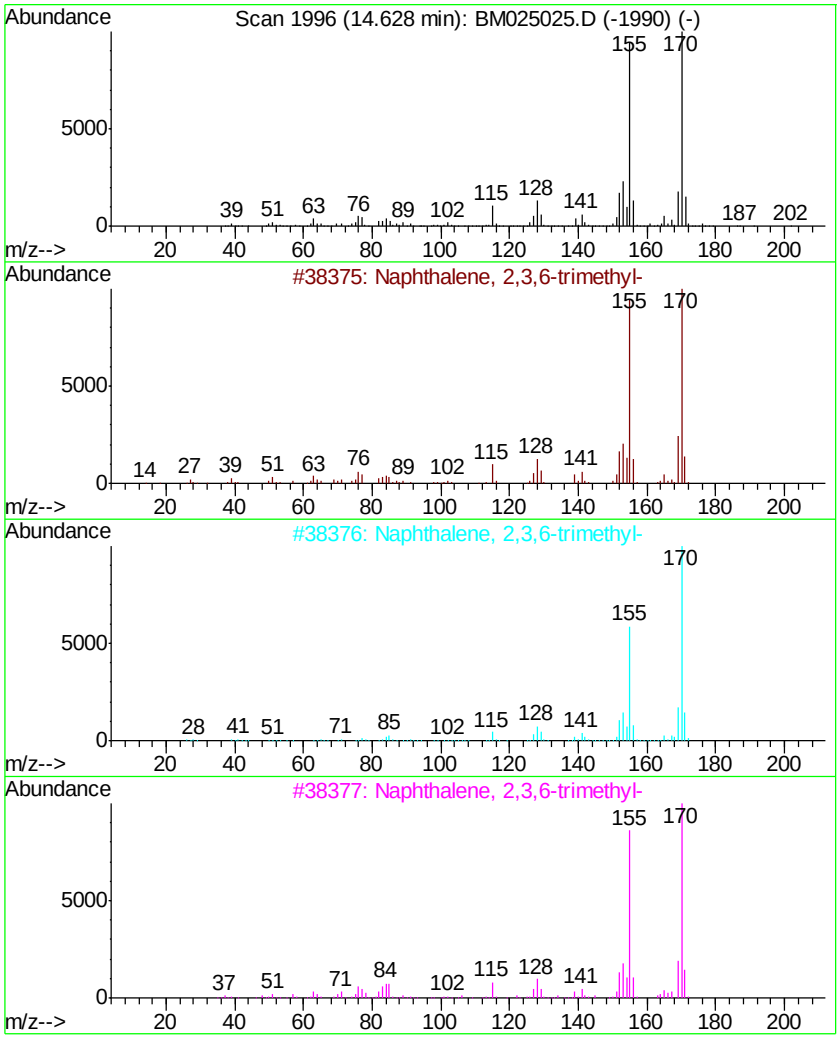
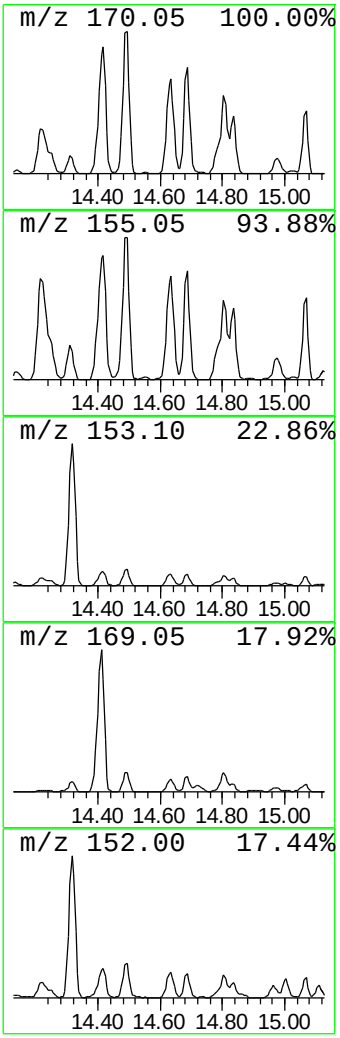
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	28.20 ng/ul	4947390	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





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Misc :
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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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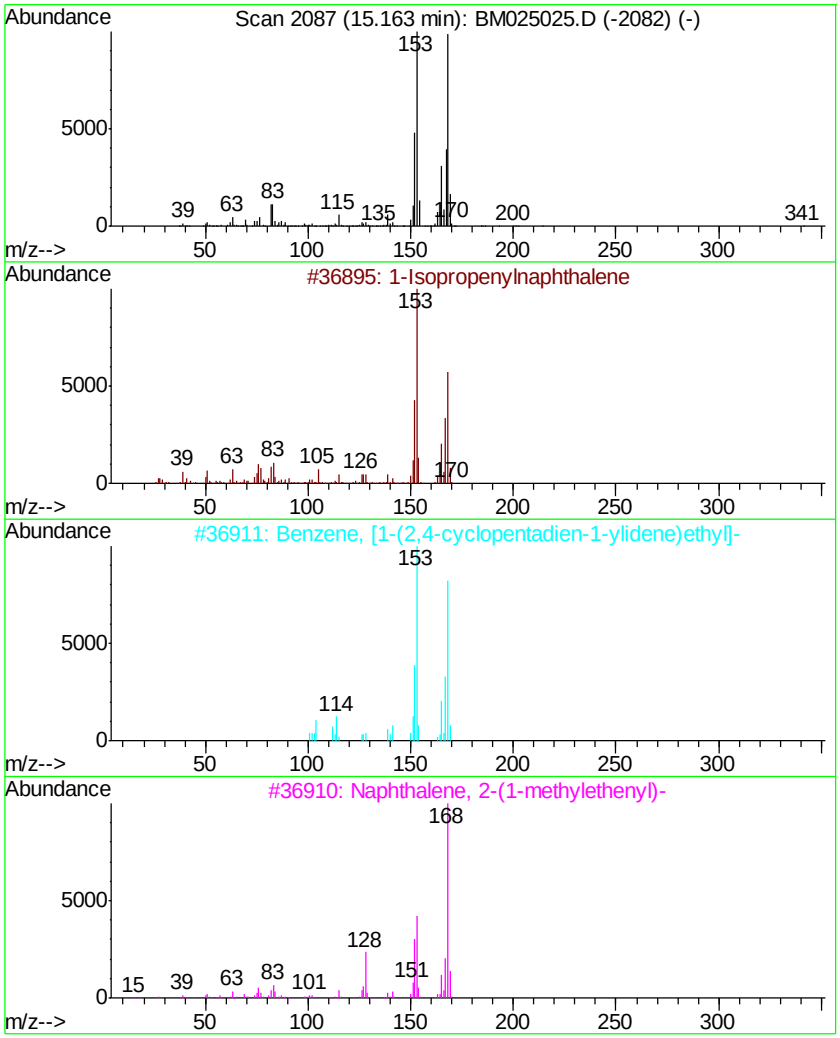
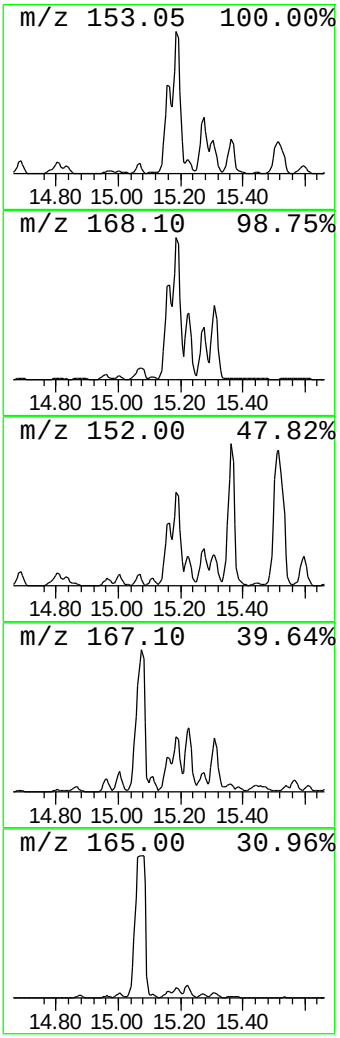
Peak Number 11 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	49.39 ng/ul	8663730	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47





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Operator : CG/JU
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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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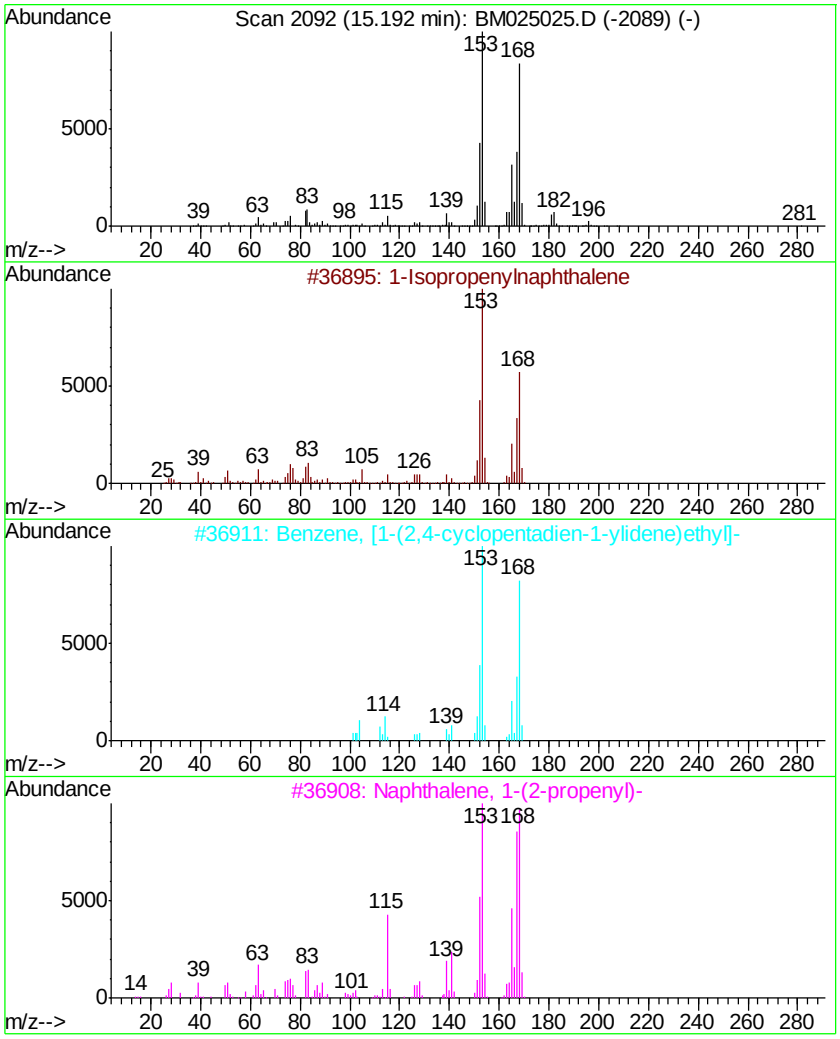
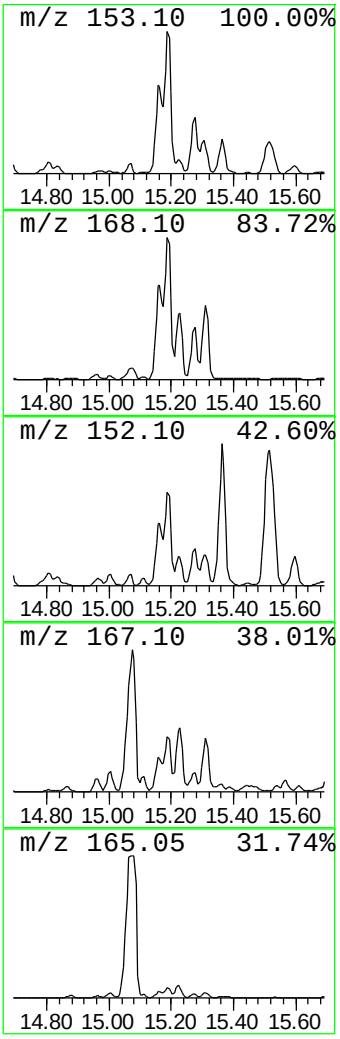
Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	65.44 ng/ul	11478500	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	47





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Operator : CG/JU
Sample : L1507-22
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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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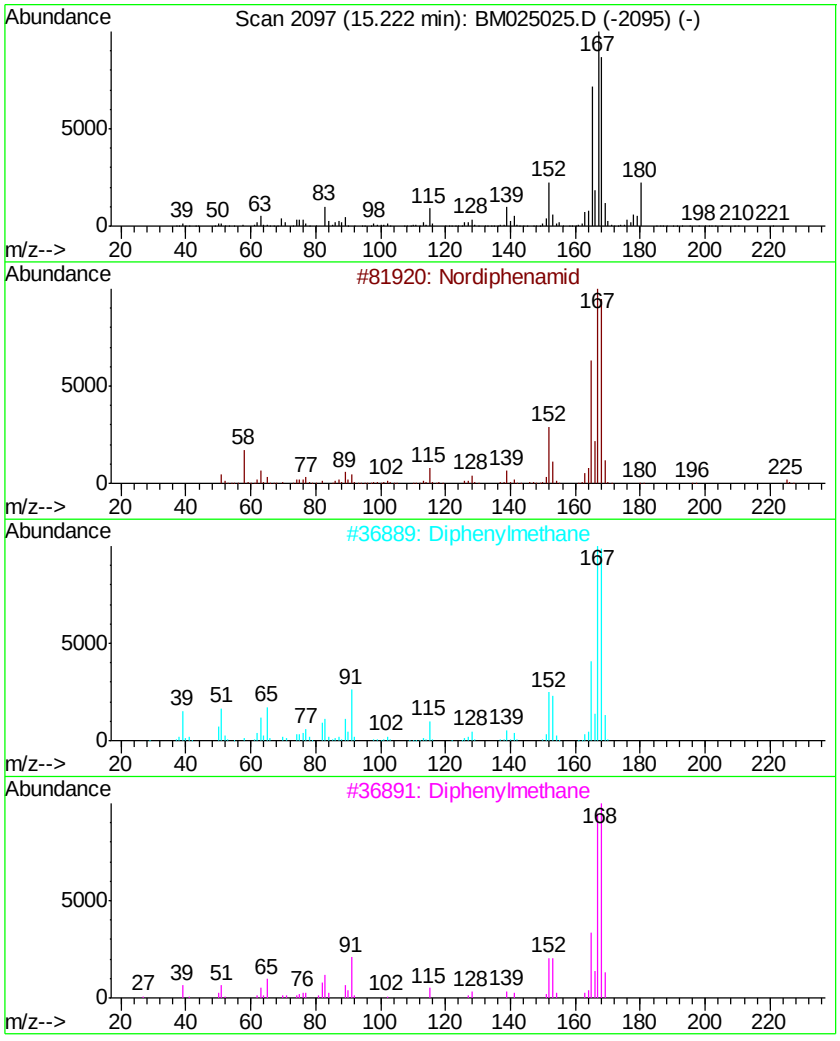
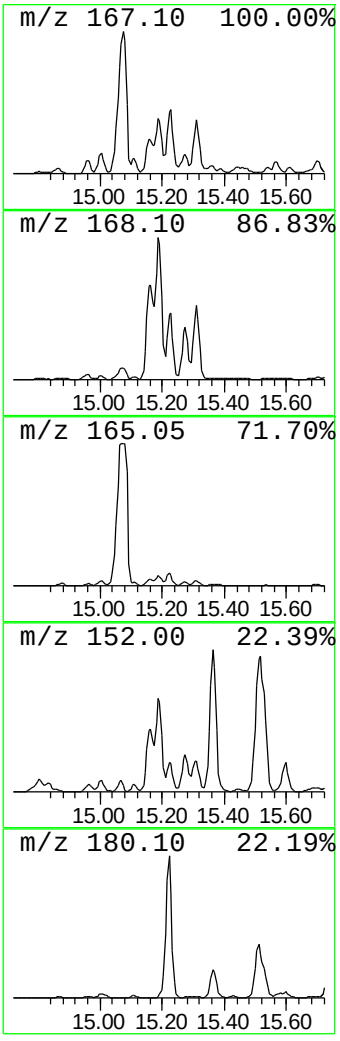
Peak Number 13 Nordiphenamid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	36.40 ng/ul	6385120	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	87
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	58
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Diphenylmethane	168	C13H12	000101-81-5	53





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Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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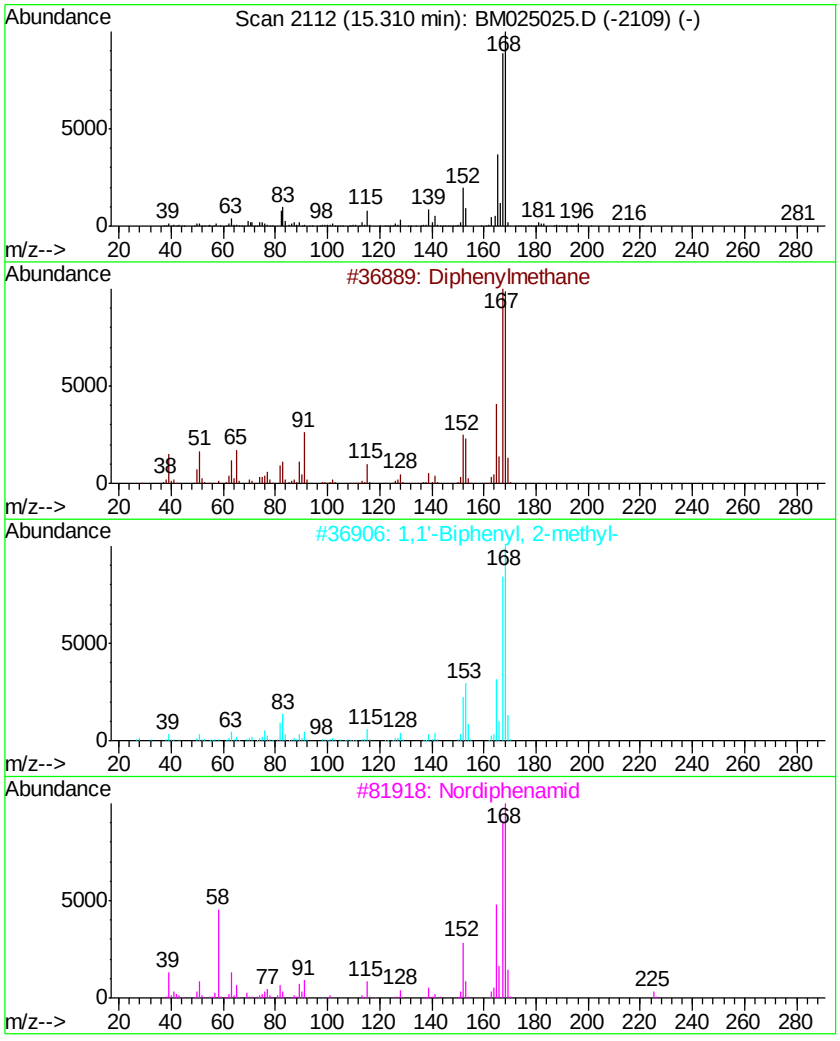
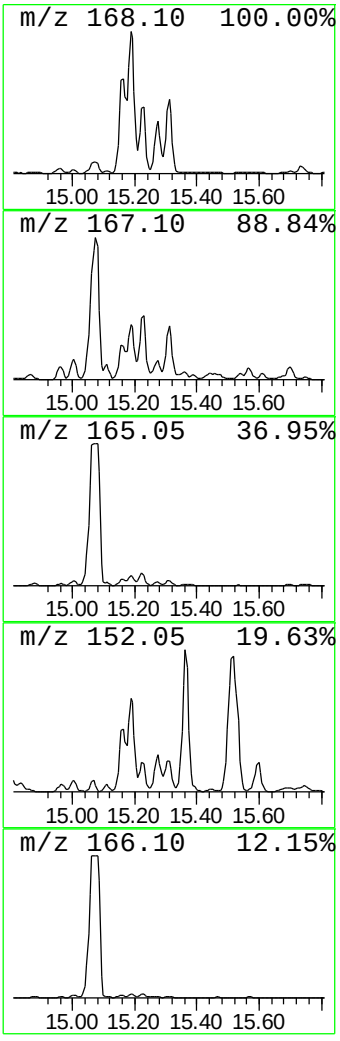
Peak Number 15 Diphenylmethane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	28.70 ng/ul	5034590	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	Nordiphenamid	225	C15H15NO	000954-21-2	83
4	Diphenylmethane	168	C13H12	000101-81-5	83
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83





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Misc :
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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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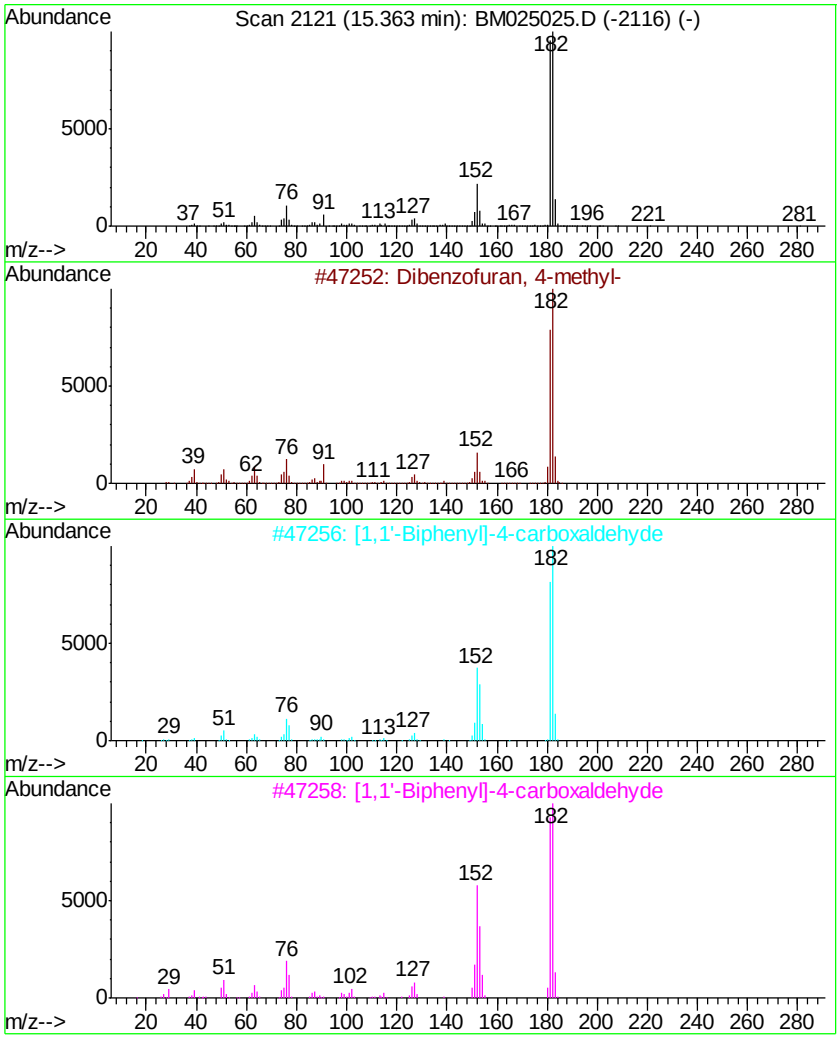
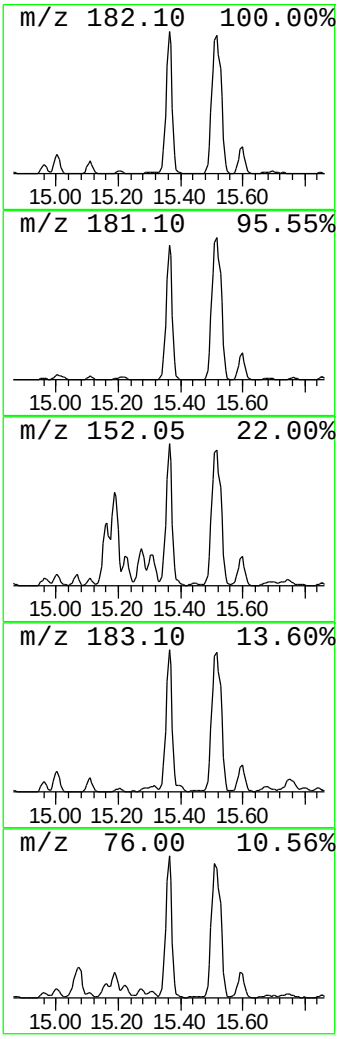
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	147.85 ng/ul	25934300	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78





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Misc :
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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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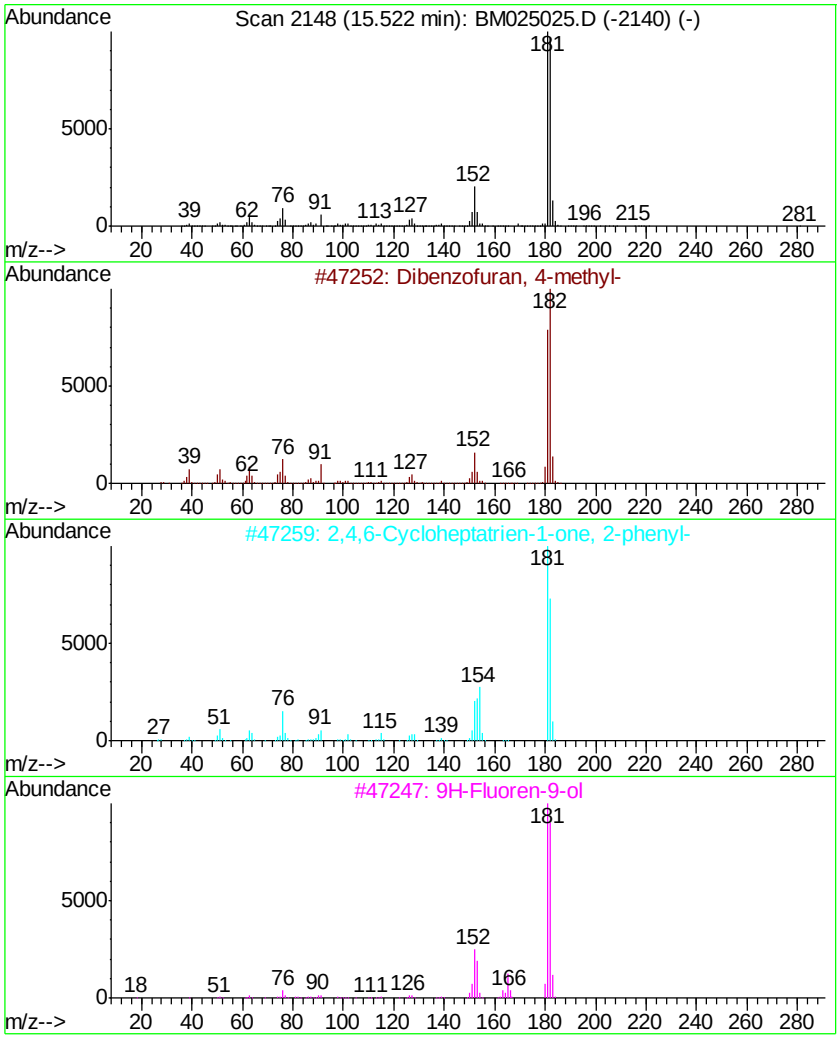
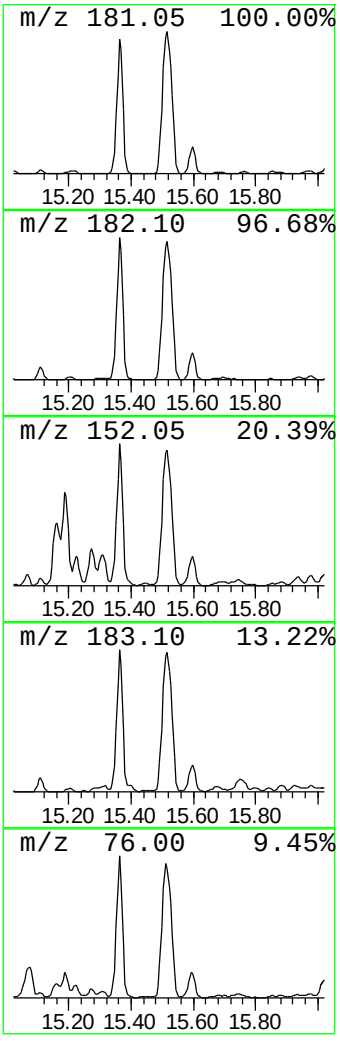
Peak Number 17 2,4,6-Cycloheptatrien-1-one... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	4.50 ng/ul	37319000	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





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Quant Title : SVOA CALIBRATION

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

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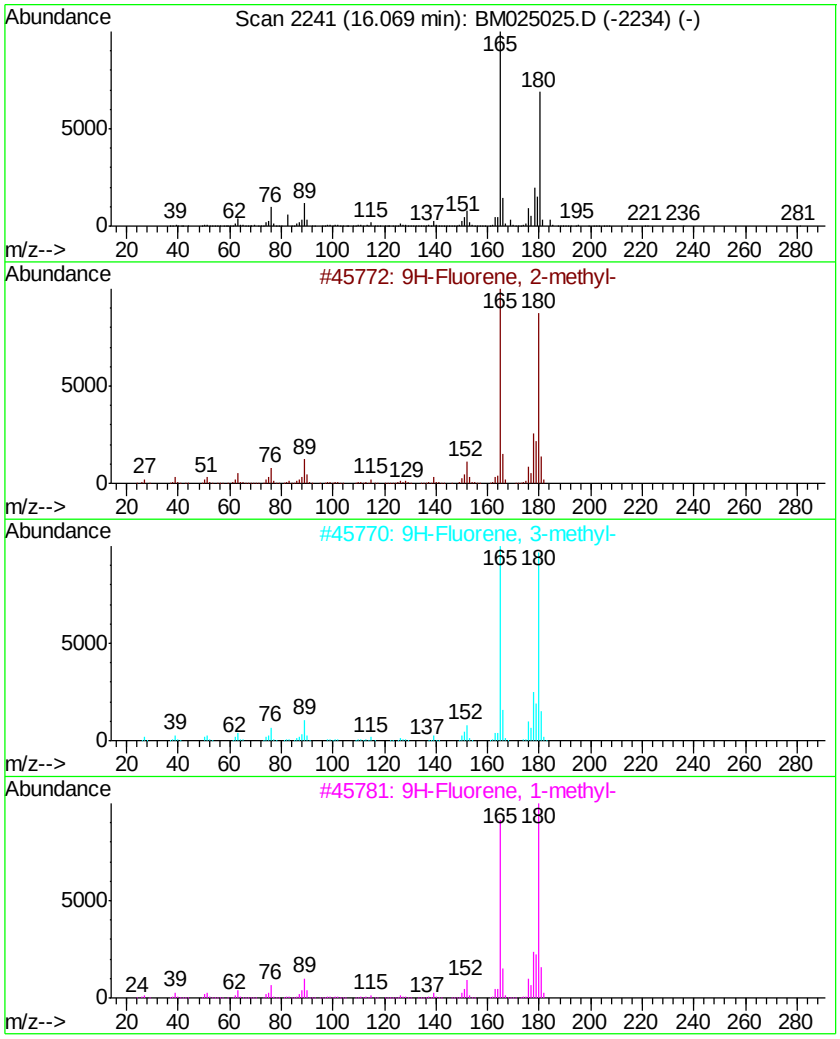
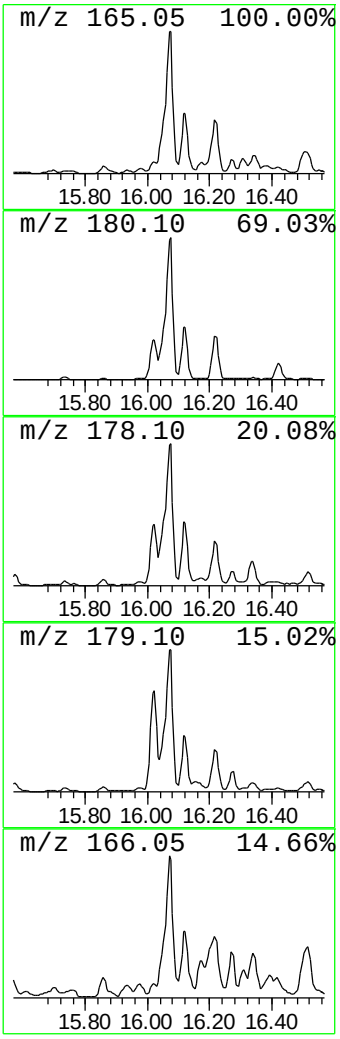
Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	2.94 ng/ul	24407000	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	72
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60





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Quant Title : SVOA CALIBRATION

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

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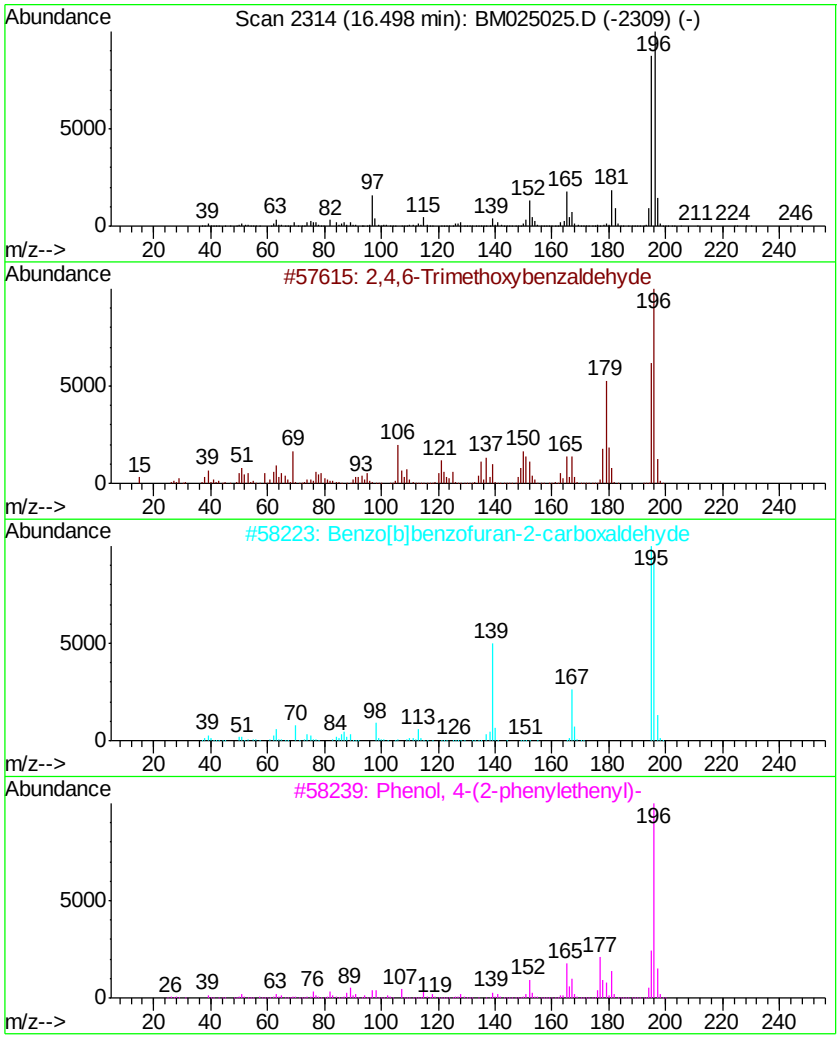
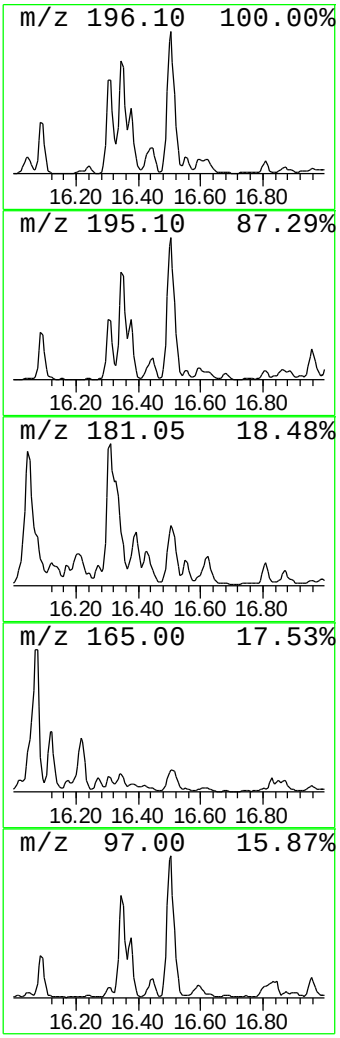
Peak Number 19 2,4,6-Trimethoxybenzaldehyde Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.15 ng/ul	17856900	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	62
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49





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Quant Title : SVOA CALIBRATION

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

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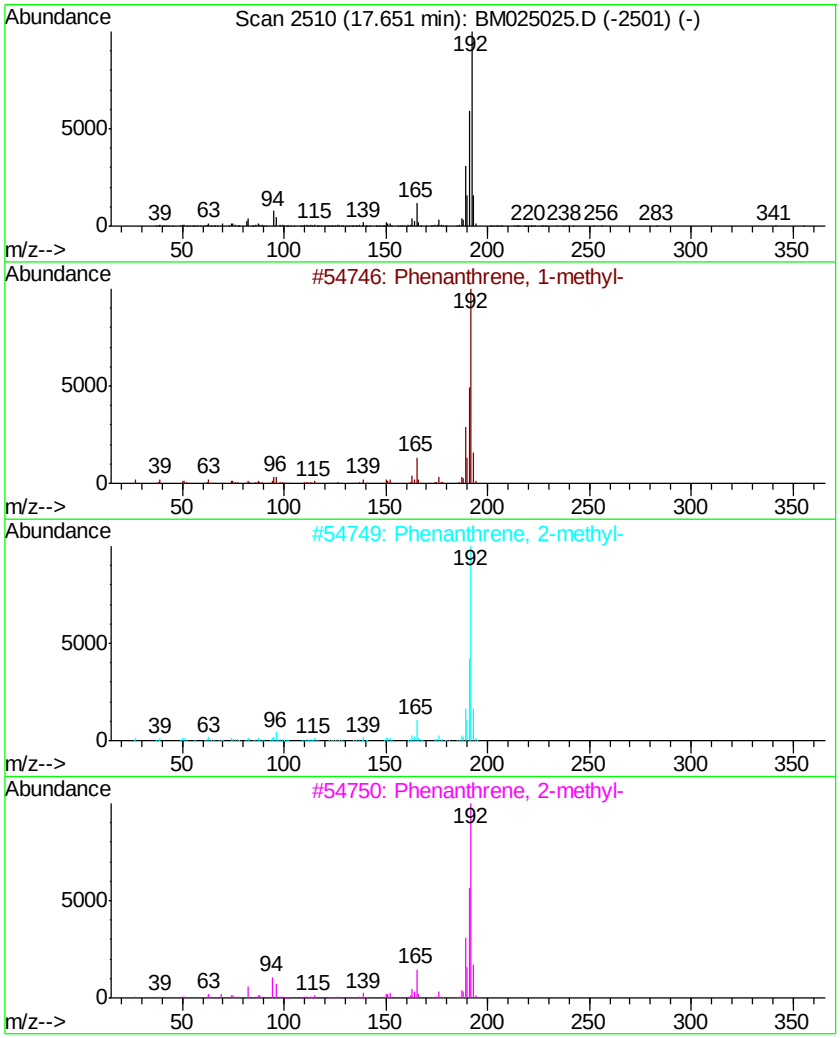
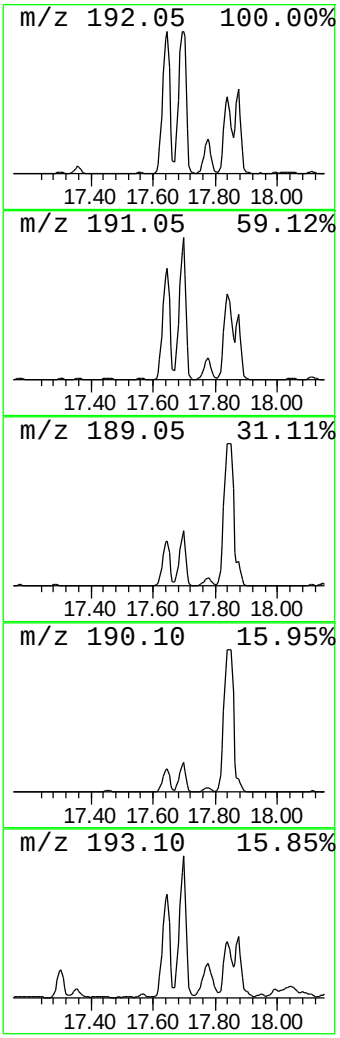
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	5.07 ng/ul	42047200	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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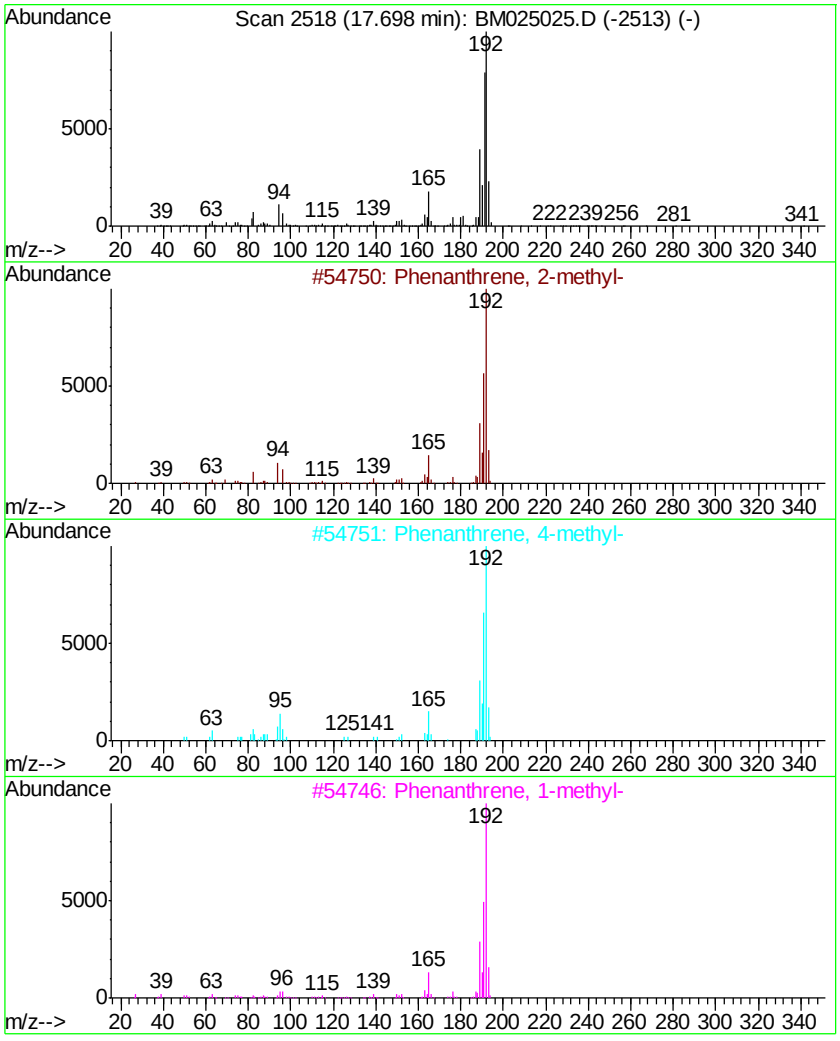
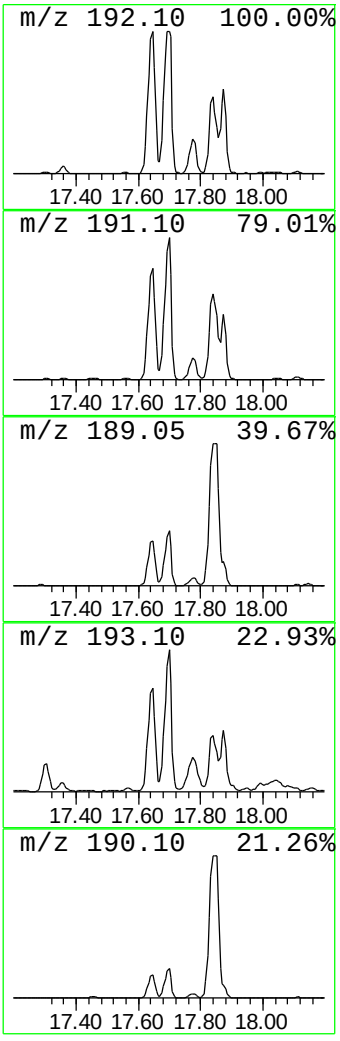
Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	6.41 ng/ul	53184500	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89





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Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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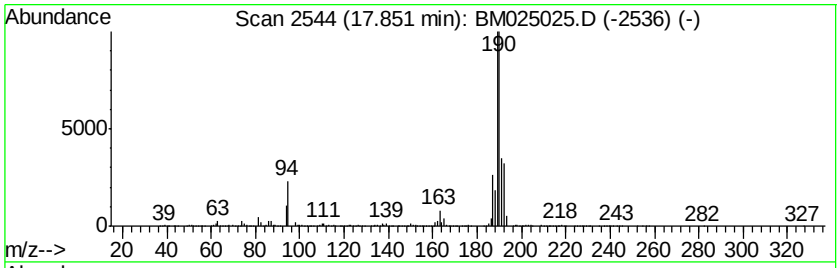
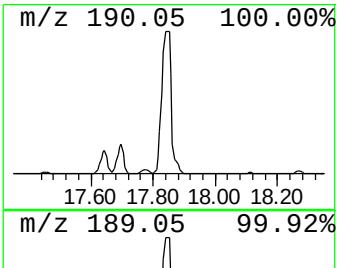
Peak Number 22 Thiophene-3-carboxaldehyde,... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	9.77 ng/ul	81074800	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53





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Sample : L1507-22
Misc :
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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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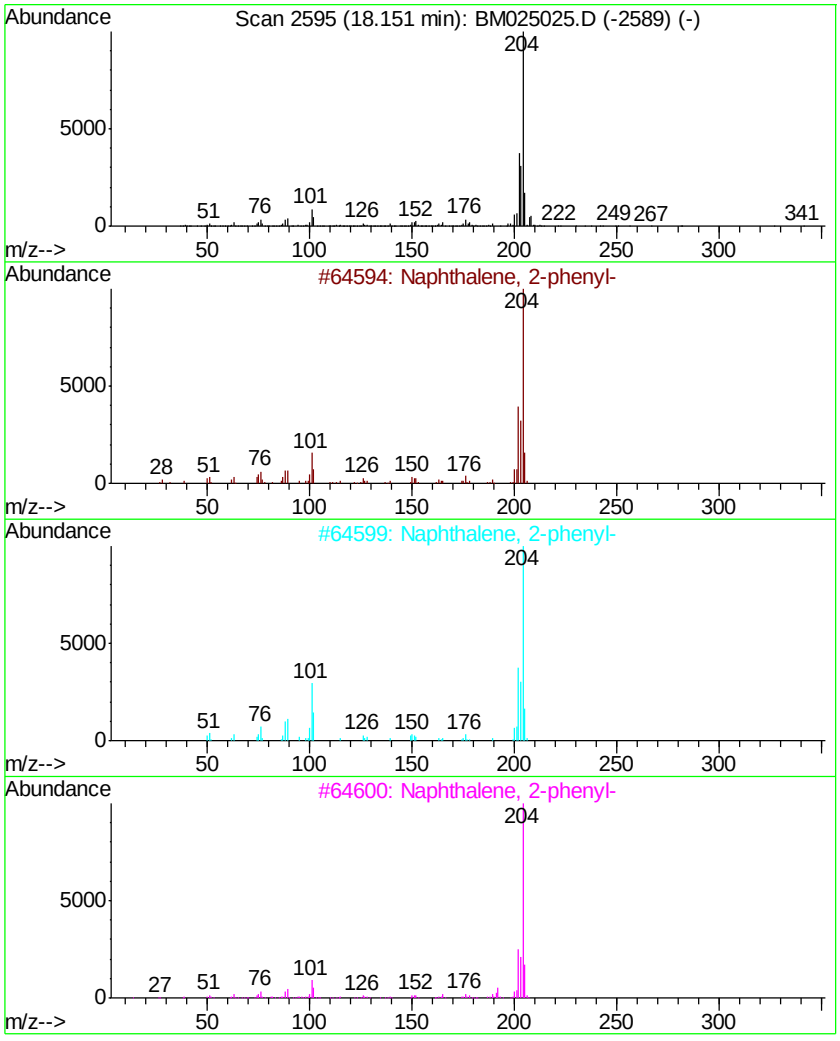
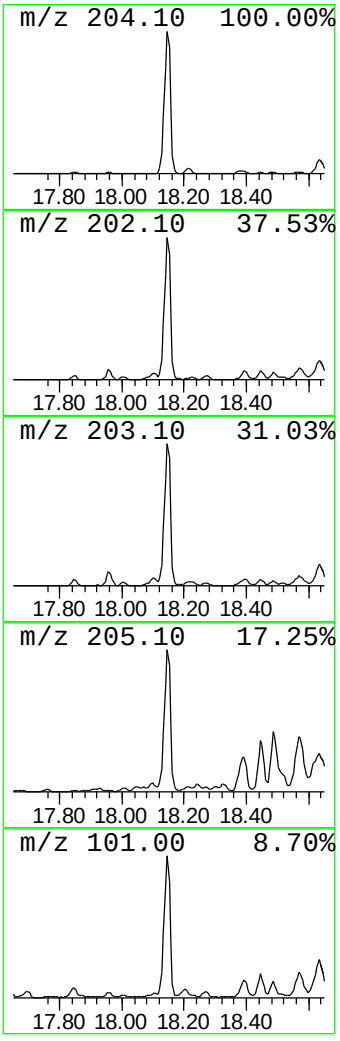
Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.14 ng/ul	26030400	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86





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ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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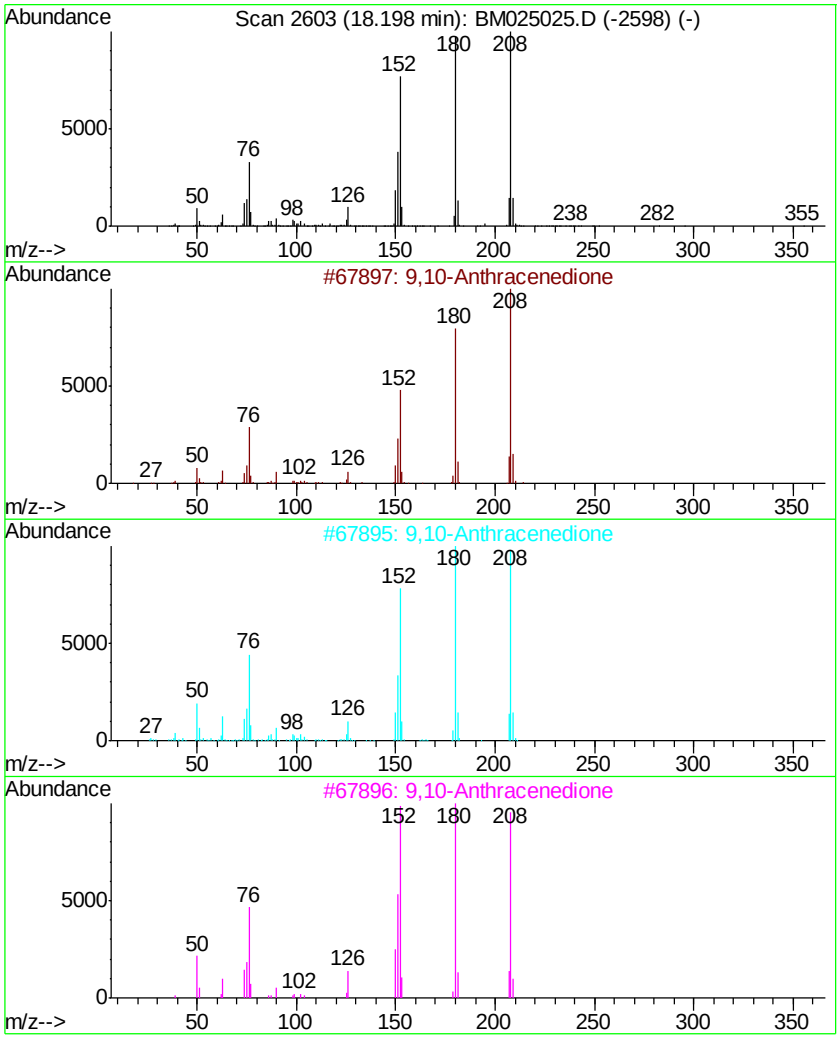
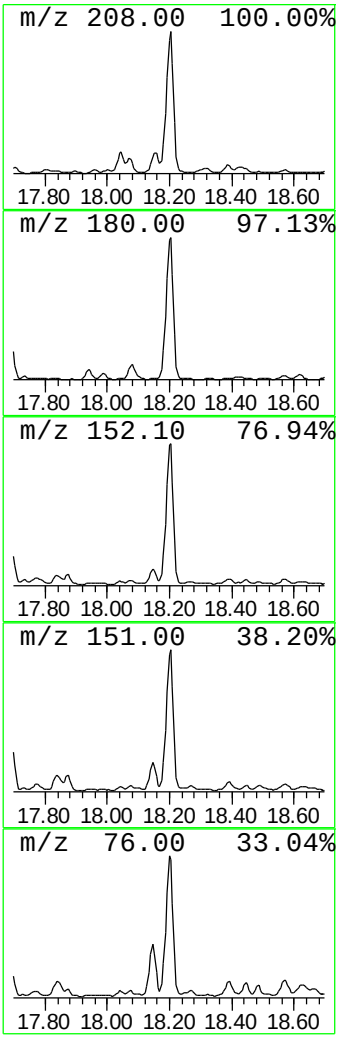
Peak Number 24 9,10-Anthracenedione Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.22 ng/ul	18417200	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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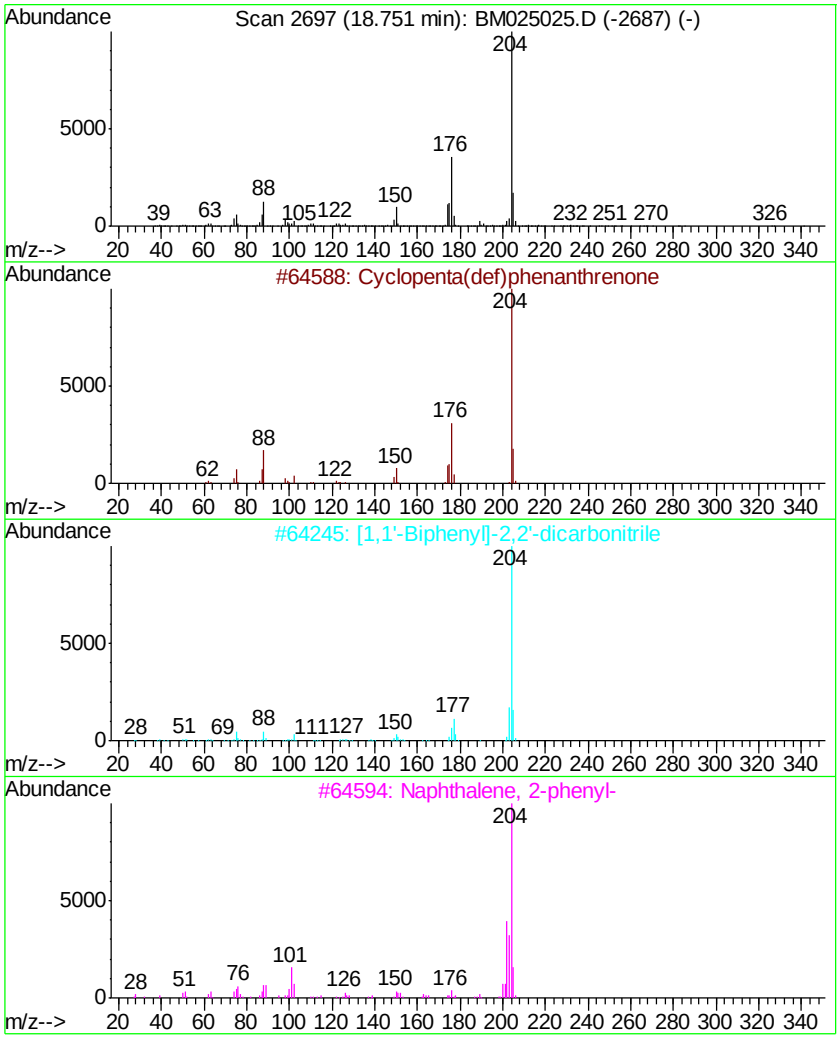
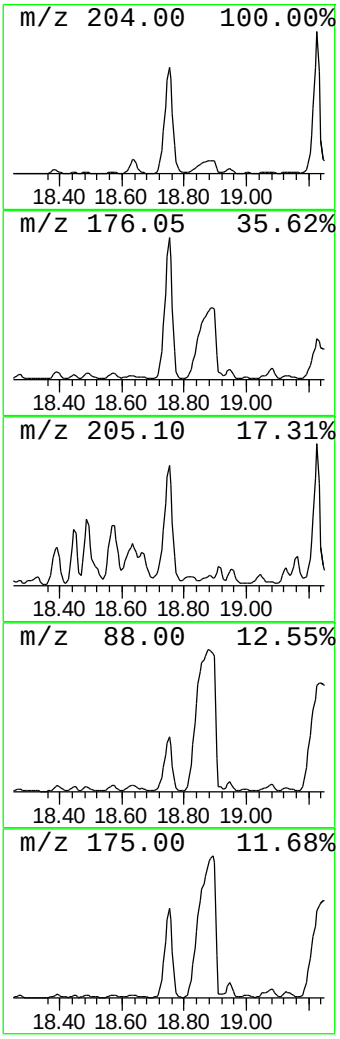
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	3.30 ng/ul	27362500	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
4	1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50





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Quant Title : SVOA CALIBRATION

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

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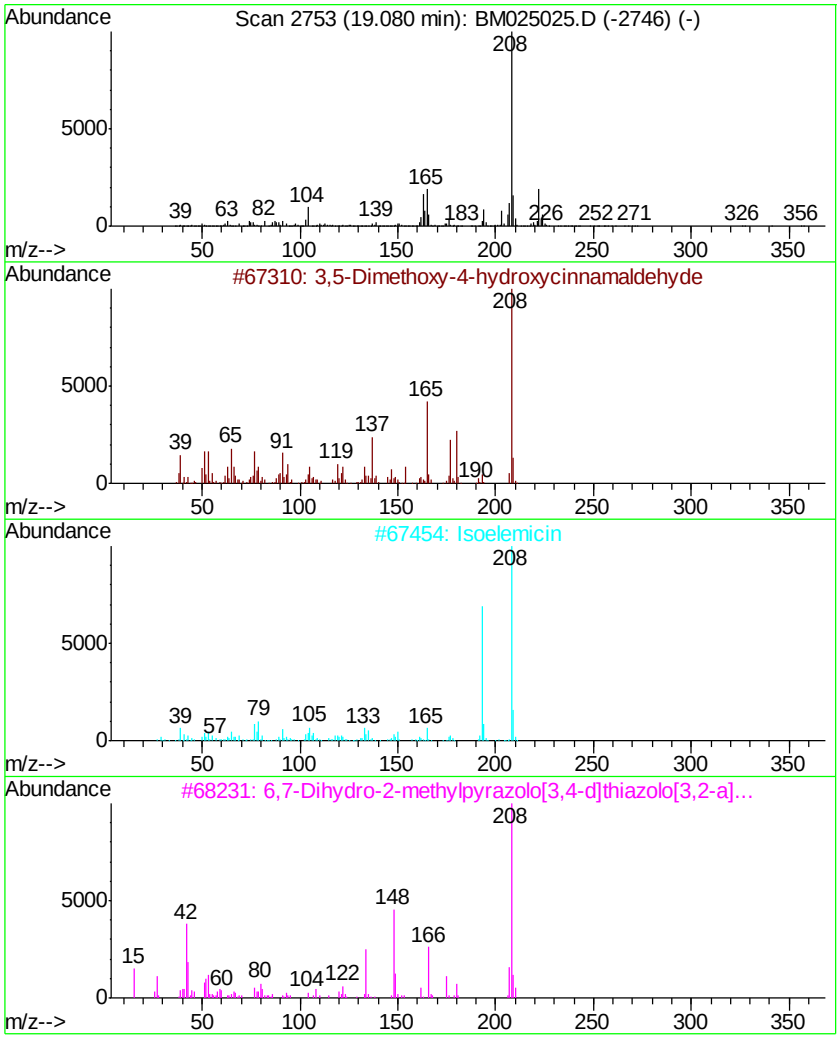
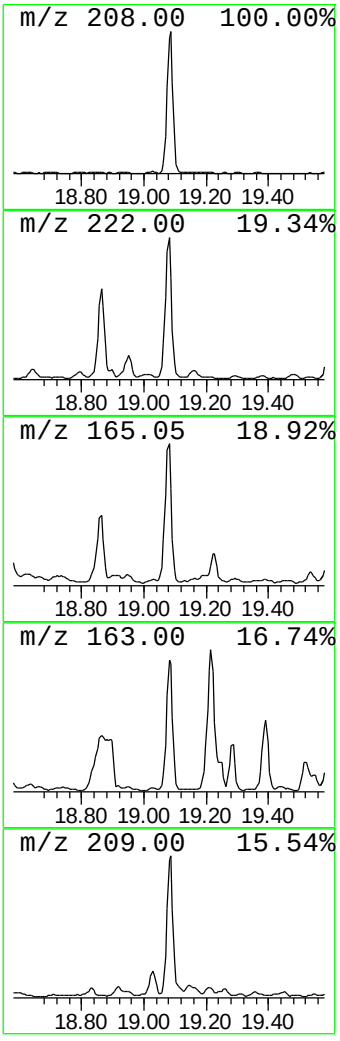
Peak Number 26 3,5-Dimethoxy-4-hydroxycinn... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	6.14 ng/ul	18825800	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethoxy-4-hydroxycinnamald...	208	C11H12O4	087345-53-7	53
2	Isoelemicin	208	C12H16O3	000487-12-7	50
3	6,7-Dihydro-2-methylpyrazolo[3,4...	208	C8H8N4OS	110434-58-7	50
4	2-Propen-1-one, 1,3-diphenyl-, (E)-	208	C15H12O	000614-47-1	50
5	2-p-Tolyl-2,3-dihydro-1H-benzo[1...	208	C13H13BN2	1000296-11-8	47





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Quant Title : SVOA CALIBRATION

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

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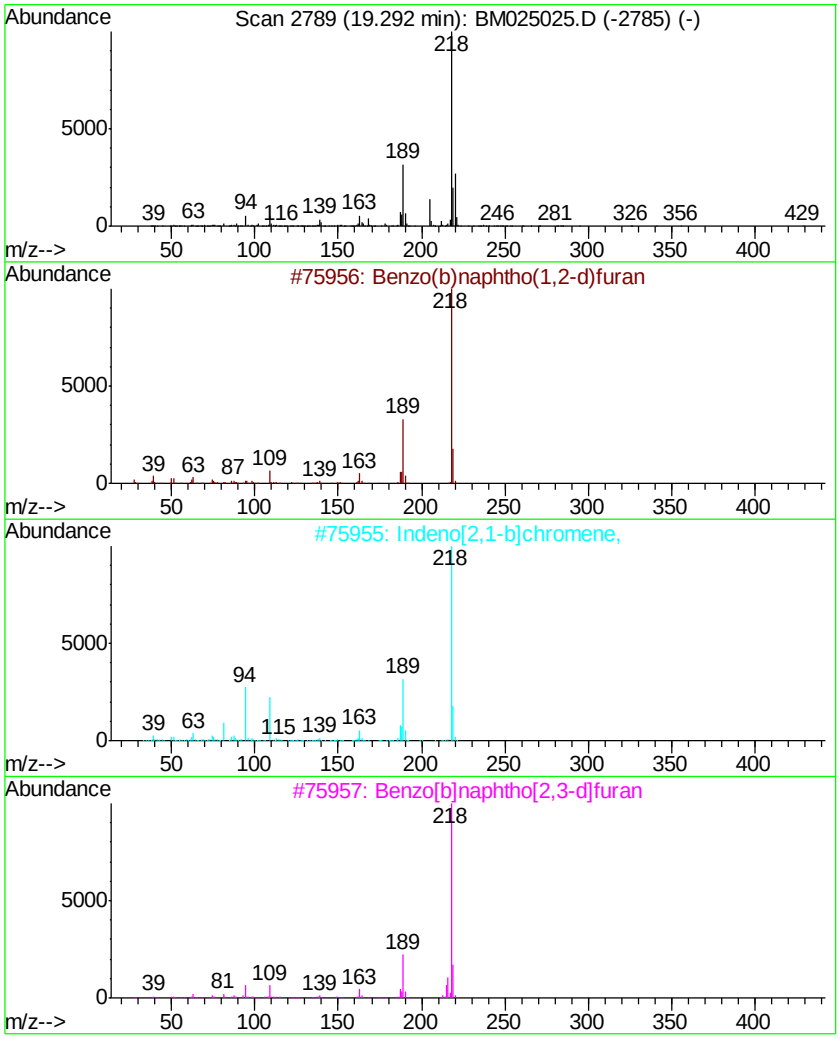
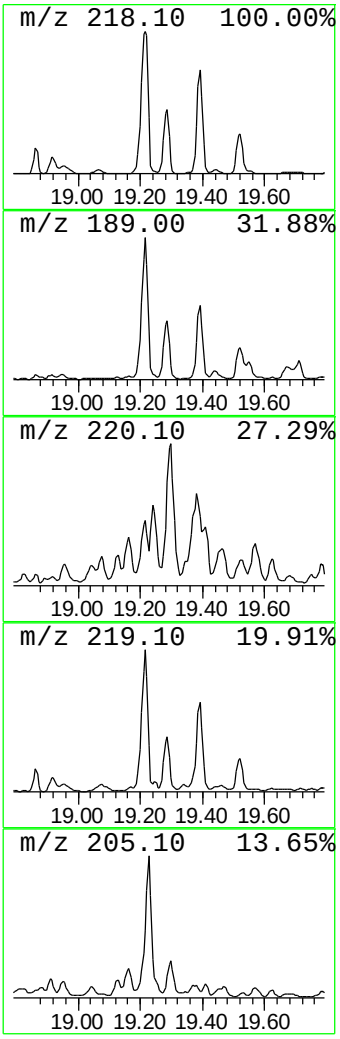
Peak Number 27 Benzo(b)naphtho(1,2-d)furan Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	4.34 ng/ul	13304000	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	94
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	87





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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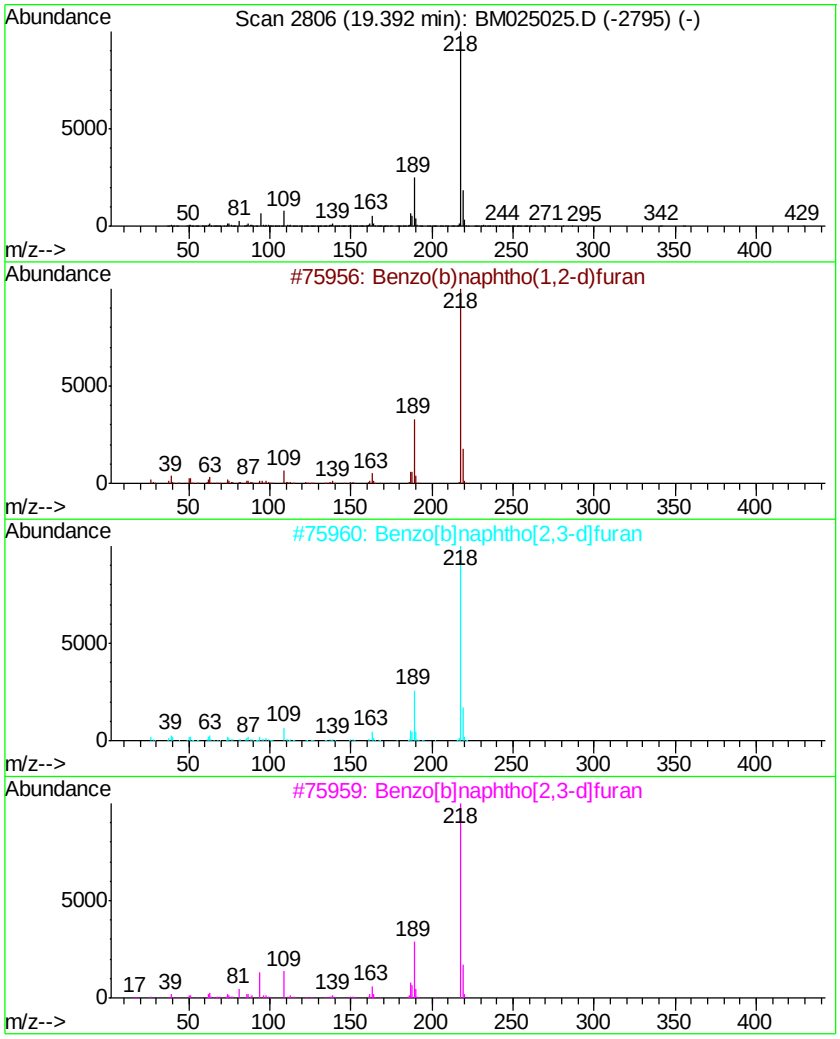
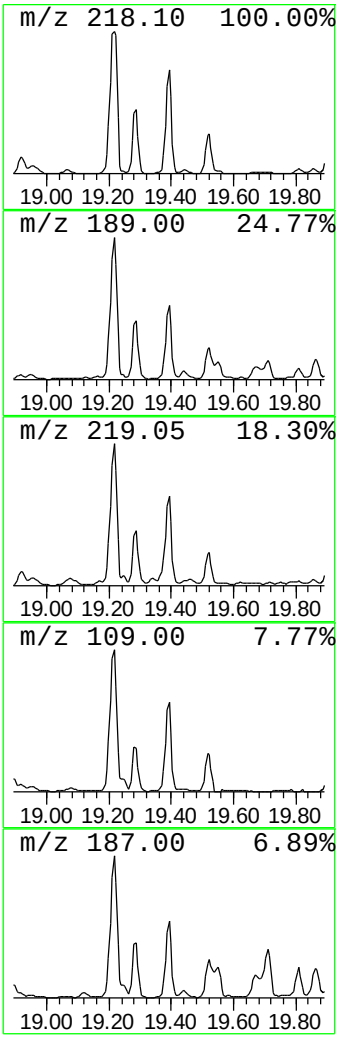
Peak Number 28 Indeno[2,1-b]chromene, Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	6.61 ng/ul	20256200	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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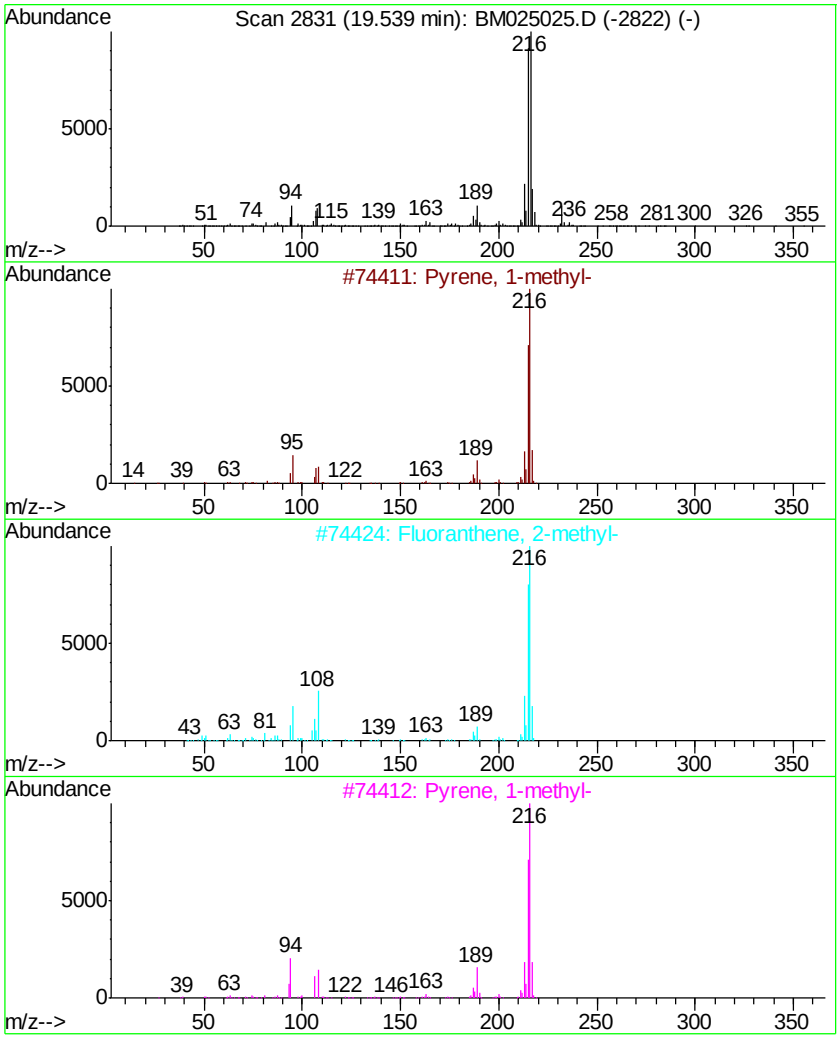
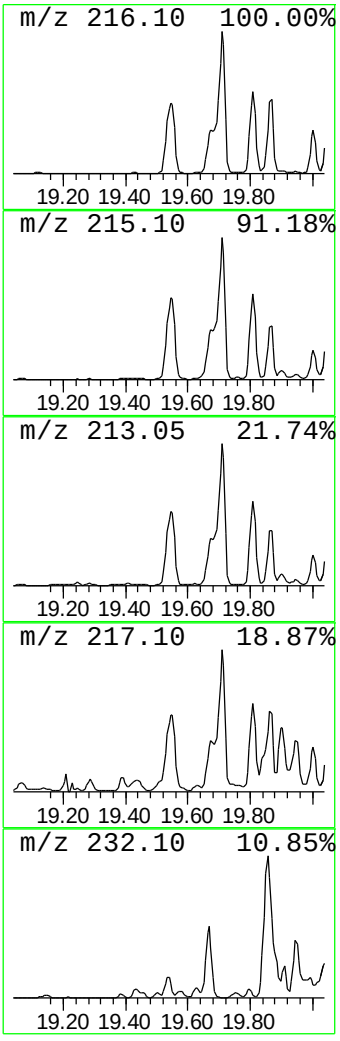
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	8.76 ng/ul	26848300	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Instrument : BNA_M
ClientSampleId : DBD20

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Quant Title : SVOA CALIBRATION

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

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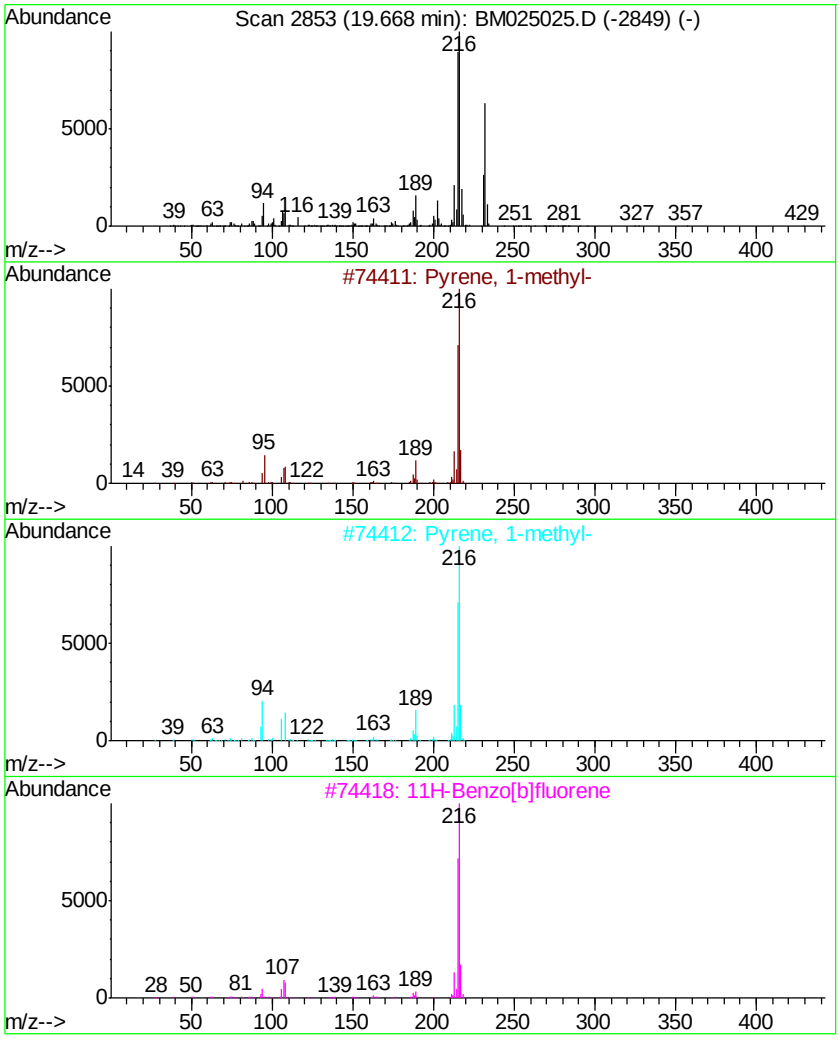
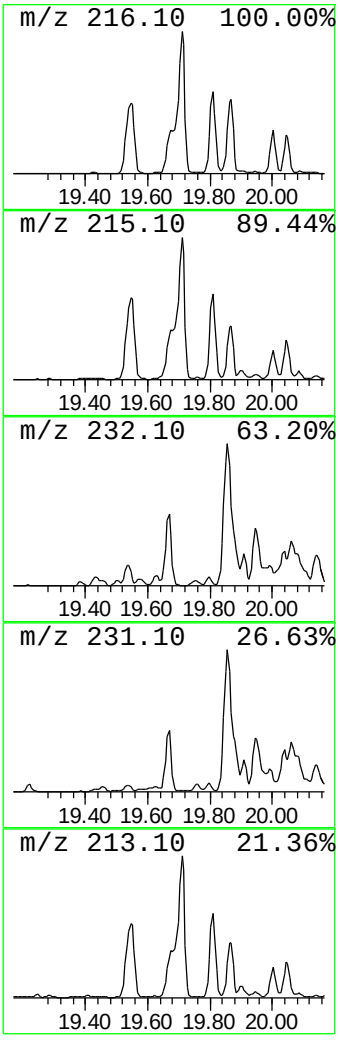
Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	4.41 ng/ul	13517300	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Quant Title : SVOA CALIBRATION

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

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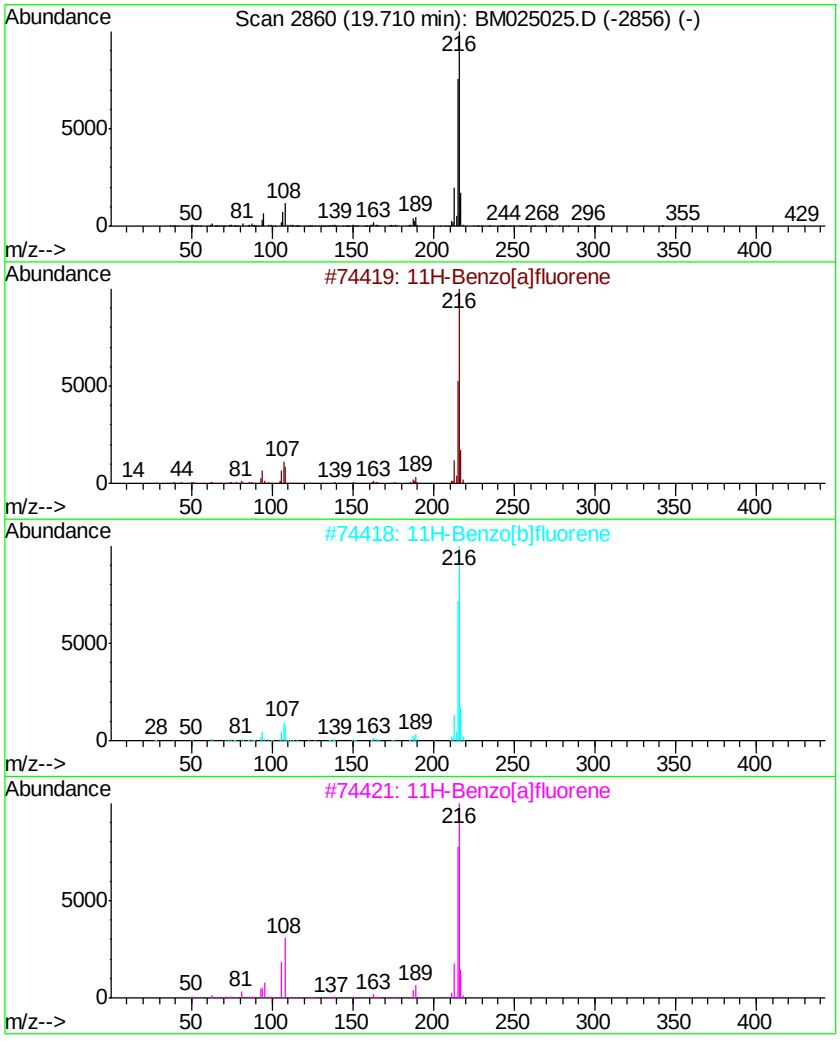
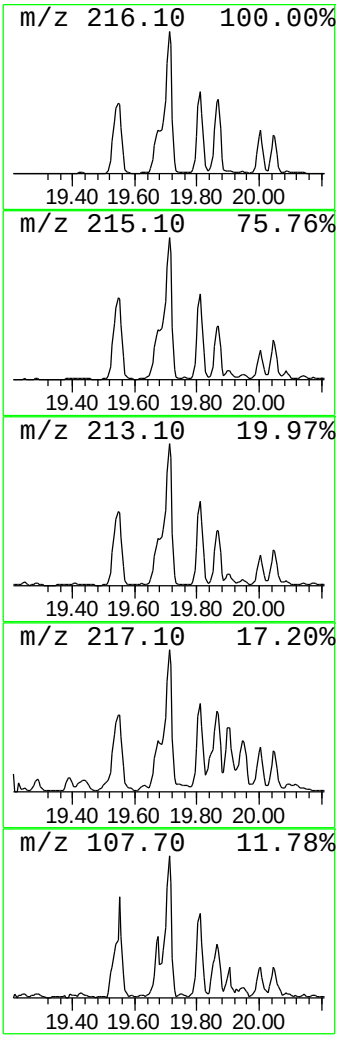
Peak Number 31 11H-Benzo[a]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	7.86 ng/ul	24093400	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Quant Title : SVOA CALIBRATION

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

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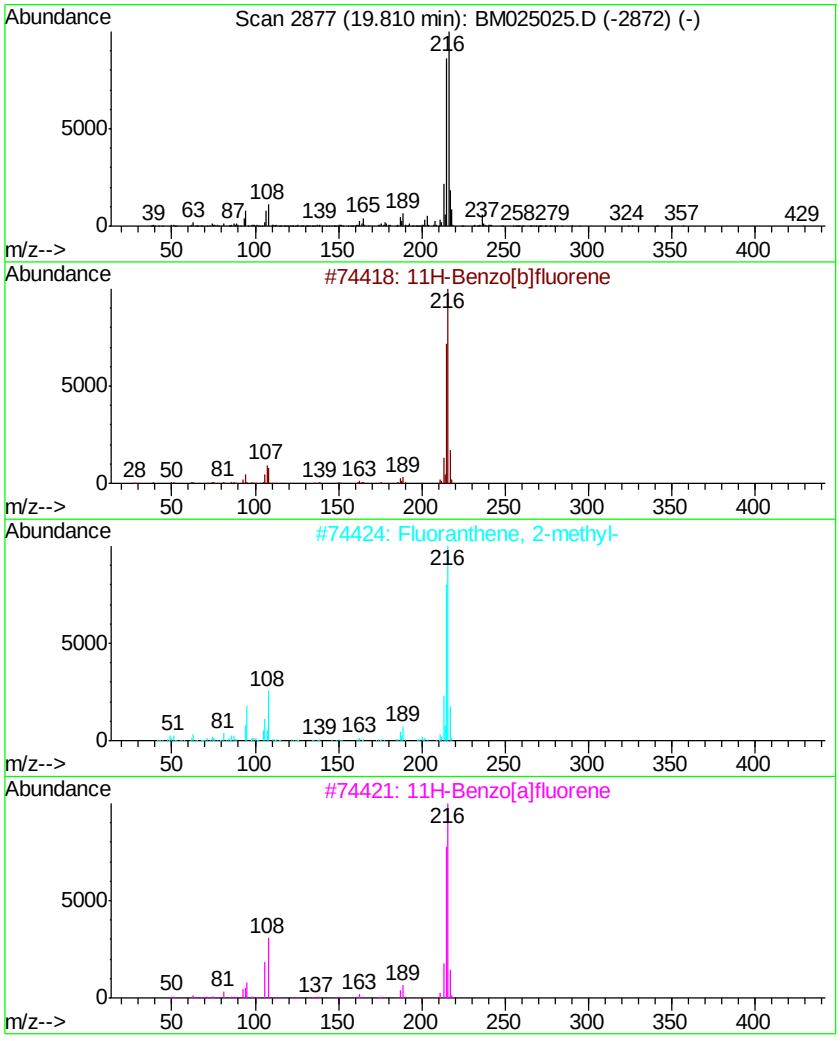
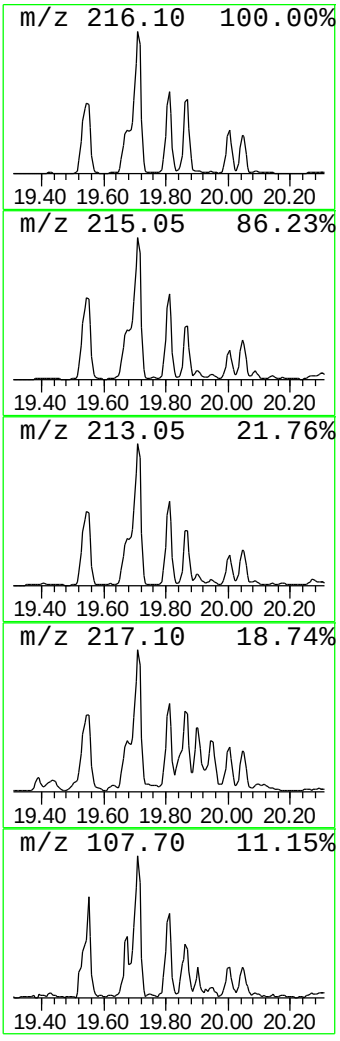
Peak Number 32 Fluoranthene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	5.15 ng/ul	15794300	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





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Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

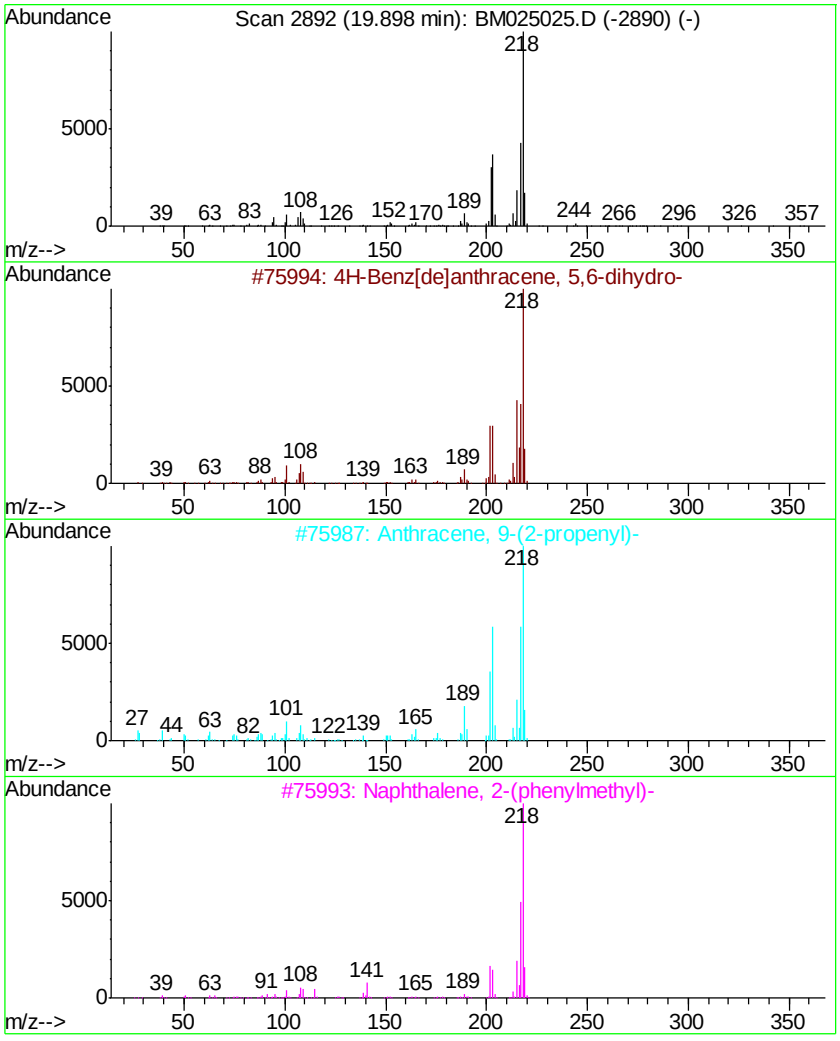
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

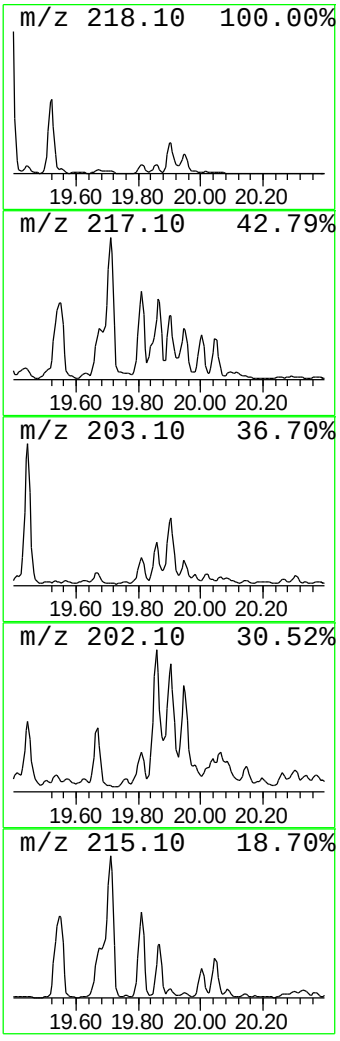
****

Peak Number 34 4H-Benz[de]anthracene, 5,6-... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.24 ng/ul	6863760	Chrysene-d12	20.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	87
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	83
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	64
4	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	64
5	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.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
Naphthalene, 1,5-...	13.15	90.6	ng/ul	15885500	3	14.00	3508180	20.0
Naphthalene, 2,6-...	13.32	98.9	ng/ul	17341300	3	14.00	3508180	20.0
Naphthalene, 2,7-...	13.37	57.5	ng/ul	10094500	3	14.00	3508180	20.0
Naphthalene, 2,3-...	13.55	32.3	ng/ul	5669460	3	14.00	3508180	20.0
Naphthalene, 1,4,...	14.22	29.6	ng/ul	5185110	3	14.00	3508180	20.0
Naphthalene, 1,6,...	14.49	33.4	ng/ul	5860330	3	14.00	3508180	20.0
Naphthalene, 2,3,...	14.63	28.2	ng/ul	4947390	3	14.00	3508180	20.0
1-Isopropenylnaph...	15.16	49.4	ng/ul	8663730	3	14.00	3508180	20.0
Benzene, [1-(2,4-...	15.19	65.4	ng/ul	11478500	3	14.00	3508180	20.0
Nordiphenamid	15.22	36.4	ng/ul	6385120	3	14.00	3508180	20.0
Diphenylmethane	15.31	28.7	ng/ul	5034590	3	14.00	3508180	20.0
Dibenzofuran, 4-m...	15.36	147.8	ng/ul	25934300	3	14.00	3508180	20.0
2,4,6-Cycloheptat...	15.52	4.5	ng/ul	37319000	4	16.76	165986000	20.0
9H-Fluorene, 2-me...	16.07	2.9	ng/ul	24407000	4	16.76	165986000	20.0
2,4,6-Trimethoxyb...	16.50	2.1	ng/ul	17856900	4	16.76	165986000	20.0
Phenanthrene, 1-m...	17.65	5.1	ng/ul	42047200	4	16.76	165986000	20.0
Phenanthrene, 2-m...	17.70	6.4	ng/ul	53184500	4	16.76	165986000	20.0
Thiophene-3-carbo...	17.85	9.8	ng/ul	81074800	4	16.76	165986000	20.0
Naphthalene, 2-ph...	18.15	3.1	ng/ul	26030400	4	16.76	165986000	20.0
9,10-Anthracenedione	18.20	2.2	ng/ul	18417200	4	16.76	165986000	20.0
Cyclopenta(def)ph...	18.75	3.3	ng/ul	27362500	4	16.76	165986000	20.0
3,5-Dimethoxy-4-h...	19.08	6.1	ng/ul	18825800	5	20.98	61331100	20.0
Benzo(b)naphtho(1...	19.29	4.3	ng/ul	13304000	5	20.98	61331100	20.0
Indeno[2,1-b]chro...	19.39	6.6	ng/ul	20256200	5	20.98	61331100	20.0
Pyrene, 1-methyl-	19.54	8.8	ng/ul	26848300	5	20.98	61331100	20.0
11H-Benzo[b]fluorene	19.67	4.4	ng/ul	13517300	5	20.98	61331100	20.0
11H-Benzo[a]fluorene	19.71	7.9	ng/ul	24093400	5	20.98	61331100	20.0
Fluoranthene, 2-m...	19.81	5.2	ng/ul	15794300	5	20.98	61331100	20.0
4H-Benz[de]anthra...	19.90	2.2	ng/ul	6863760	5	20.98	61331100	20.0