LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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-BM092719MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.034	6	8	21	rVB	87282	123219	0.41%	0.046%
2	6.939	662	672	687	rVB2	522933	1095628	3.63%	0.406%
3	7.104	691	700	707	rBV	425299	697069	2.31%	0.259%
4	7.298	727	733	742	rVB	591184	940091	3.11%	0.349%
5	7.769	806	813	822	rBV	673223	1077687	3.57%	0.400%
6	8.469	924	932	938	rBV	618019	1007709	3.33%	0.374%
7	8.528	938	942	949	rVV	179811	305222	1.01%	0.113%
8	8.922	1003	1009	1019	rVV	493916	825225	2.73%	0.306%
9	9.639	1122	1131	1143	rBV	398728	664572	2.20%	0.246%
10	10.175	1216	1222	1233	rVB	608973	1029625	3.41%	0.382%
11	10.557	1278	1287	1292	rBV	821182	1444893	4.78%	0.536%
12	10.604	1292	1295	1301	rVB	131606	193847	0.64%	0.072%
13	10.698	1305	1311	1320	rBV2	103117	251121	0.83%	0.093%
14	12.216	1562	1569	1578	rVB	92604	167028	0.55%	0.062%
15	12.363	1589	1594	1598	rVV	62950	109090	0.36%	0.040%
16	12.439	1602	1607	1615	rVB	119622	185977	0.62%	0.069%
17	13.239	1737	1743	1754	rVV4	60085	149624	0.50%	0.055%
18	13.339	1754	1760	1769	rVB2	87410	152509	0.50%	0.057%
19	13.727	1820	1826	1831	rVV	101900	174943	0.58%	0.065%
20	13.816	1836	1841	1845	rVV	923359	1293569	4.28%	0.480%
21	13.857	1845	1848	1853	rVV	347751	500587	1.66%	0.186%
22	14.051	1876	1881	1884	rBV	160187	225109	0.74%	0.083%
23	14.098	1884	1889	1892	rBV	1091492	1696858	5.61%	0.629%
24	14.404	1932	1941	1947	rBV	1103218	1659063	5.49%	0.615%
25	14.468	1947	1952	1958	rVB	230328	342451	1.13%	0.127%
26	14.604	1968	1975	1983	rBV	198040	345714	1.14%	0.128%
27	14.804	2004	2009	2018	rVV2	156363	320615	1.06%	0.119%
28	15.180	2068	2073	2079	rBV6	47884	122417	0.41%	0.045%
29	15.398	2104	2110	2114	rBV	1365423	1923337	6.36%	0.713%
30	15.451	2114	2119	2126	rVV2	248042	421813	1.40%	0.156%
31	15.515	2126	2130	2137	rVV	253616	351693	1.16%	0.130%
32	15.745	2164	2169	2174	rBV	84504	127143	0.42%	0.047%
33	15.892	2190	2194	2201	rVB	89946	183356	0.61%	0.068%
34	16.027	2213	2217	2223	rVV2	100873	151178	0.50%	0.056%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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-BM092719MA.M
Title : SVOA CALIBRATION

35	16.121	2229	2233	2244	rVB3	121249	244406	0.81%	0.091%
36	16.427	2278	2285	2287	rBV4	64718	143133	0.47%	0.053%
37	16.686	2325	2329	2333	rVV2	65757	108066	0.36%	0.040%
38	16.798	2344	2348	2356	rVB	298441	452634	1.50%	0.168%
39	16.904	2357	2366	2372	rBV4	132422	354928	1.17%	0.132%
40	16.962	2372	2376	2385	rVB	119989	212148	0.70%	0.079%
41	17.051	2386	2391	2397	rBV4	68361	146972	0.49%	0.055%
42	17.145	2398	2407	2410	rBV2	1198448	1807414	5.98%	0.670%
43	17.192	2410	2415	2419	rVV	4842513	6865288	22.71%	2.546%
44	17.245	2419	2424	2427	rVV	1539993	2201641	7.28%	0.816%
45	17.274	2427	2429	2434	rVV	529166	697455	2.31%	0.259%
46	17.339	2434	2440	2446	rVB2	213292	390835	1.29%	0.145%
47	17.545	2466	2475	2480	rBV2	705697	1361226	4.50%	0.505%
48	17.662	2491	2495	2500	rBV4	90478	128815	0.43%	0.048%
49	18.021	2550	2556	2558	rBV	476541	680914	2.25%	0.253%
50	18.062	2558	2563	2568	rVB3	769756	1509904	5.00%	0.560%
51	18.151	2573	2578	2583	rVB2	235265	369906	1.22%	0.137%
52	18.215	2583	2589	2592	rBV2	736041	1270778	4.20%	0.471%
53	18.251	2592	2595	2600	rVB	526851	688698	2.28%	0.255%
54	18.362	2612	2614	2619	rVB2	107837	148153	0.49%	0.055%
55	18.456	2627	2630	2635	rBV4	71111	138811	0.46%	0.051%
56	18.521	2637	2641	2644	rVV	529729	702010	2.32%	0.260%
57	18.562	2644	2648	2655	rVB	1065664	1429818	4.73%	0.530%
58	18.721	2671	2675	2679	rBV3	206336	315113	1.04%	0.117%
59	18.768	2679	2683	2688	rVV3	287654	367662	1.22%	0.136%
60	18.856	2695	2698	2702	rVV4	116447	163145	0.54%	0.061%
61	18.945	2709	2713	2717	rBV2	325941	426363	1.41%	0.158%
62	19.033	2725	2728	2732	rVB	271919	318466	1.05%	0.118%
63	19.080	2732	2736	2743	rVB	382951	611497	2.02%	0.227%
64	19.209	2752	2758	2764	rVB	7469938	9948448	32.92%	3.689%
65	19.268	2765	2768	2771	rBV2	144600	184470	0.61%	0.068%
66	19.303	2771	2774	2777	rVV	211174	265155	0.88%	0.098%
67	19.350	2780	2782	2786	rVB	274820	341404	1.13%	0.127%
68	19.539	2809	2814	2816	rBV2	2527158	3635205	12.03%	1.348%
69	19.574	2816	2820	2827	rVV	7038478	9934695	32.87%	3.684%
70	19.639	2828	2831	2837	rVB2	376251	689330	2.28%	0.256%
71	19.745	2846	2849	2854	rVB	352207	448334	1.48%	0.166%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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-BM092719MA.M
Title : SVOA CALIBRATION

72	19.809	2856	2860	2865	rVB	579213	825969	2.73%	0.306%
73	19.892	2869	2874	2880	rBV3	482133	1176500	3.89%	0.436%
74	19.986	2887	2890	2893	rBV	452284	558636	1.85%	0.207%
75	20.062	2900	2903	2906	rVB2	764994	887497	2.94%	0.329%
76	20.092	2906	2908	2914	rVB2	225314	235046	0.78%	0.087%
77	20.221	2925	2930	2934	rBV2	613212	1001393	3.31%	0.371%
78	20.362	2951	2954	2958	rBV	485281	560429	1.85%	0.208%
79	20.409	2959	2962	2966	rVB	442988	539387	1.78%	0.200%
80	20.521	2979	2981	2986	rVB	512281	577480	1.91%	0.214%
81	20.809	3026	3030	3035	rBV	1263062	1590906	5.26%	0.590%
82	21.015	3062	3065	3067	rBV2	639130	817329	2.70%	0.303%
83	21.050	3067	3071	3077	rVV4	3182822	4584849	15.17%	1.700%
84	21.109	3078	3081	3084	rVB	565918	629793	2.08%	0.234%
85	21.321	3112	3117	3122	rBV3	4034622	7228224	23.92%	2.681%
86	21.368	3122	3125	3135	rVB	4116937	5640810	18.66%	2.092%
87	21.486	3142	3145	3150	rBV3	800188	1134976	3.76%	0.421%
88	21.927	3216	3220	3229	rBV3	3901503	7104057	23.50%	2.635%
89	22.627	3334	3339	3343	rBV	5703087	8361636	27.67%	3.101%
90	22.915	3381	3388	3391	rBV2	8838838	17307117	57.26%	6.418%
91	22.956	3391	3395	3411	rVB	10592524	21005363	69.50%	7.790%
92	23.397	3465	3470	3475	rBV	2128561	4100966	13.57%	1.521%
93	23.497	3482	3487	3493	rVB	3588421	7152969	23.67%	2.653%
94	23.797	3533	3538	3548	rVB	5281844	9973556	33.00%	3.699%
95	24.144	3590	3597	3604	rVB	7859851	18771720	62.11%	6.962%
96	24.227	3605	3611	3623	rVB	6139771	13549107	44.83%	5.025%
97	25.356	3795	3803	3817	rVB2	6720826	18375637	60.80%	6.815%
98	25.956	3896	3905	3917	rVB	8882466	30223999	100.00%	11.209%
99	26.344	3963	3971	3986	rVB8	2343005	8359741	27.66%	3.100%
100	26.709	4025	4033	4040	rBV3	2412014	7407528	24.51%	2.747%

Sum of corrected areas: 269645842

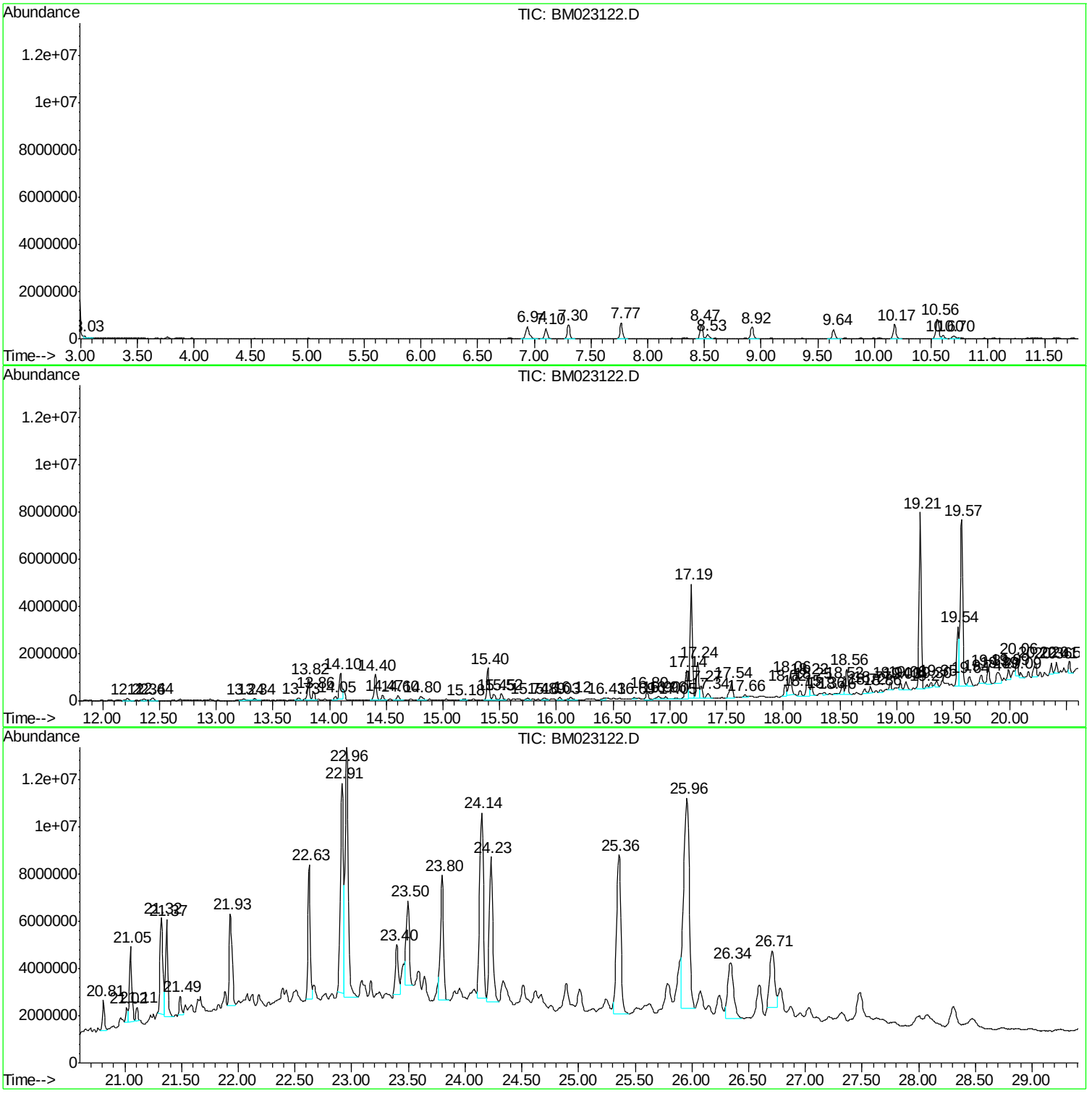
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

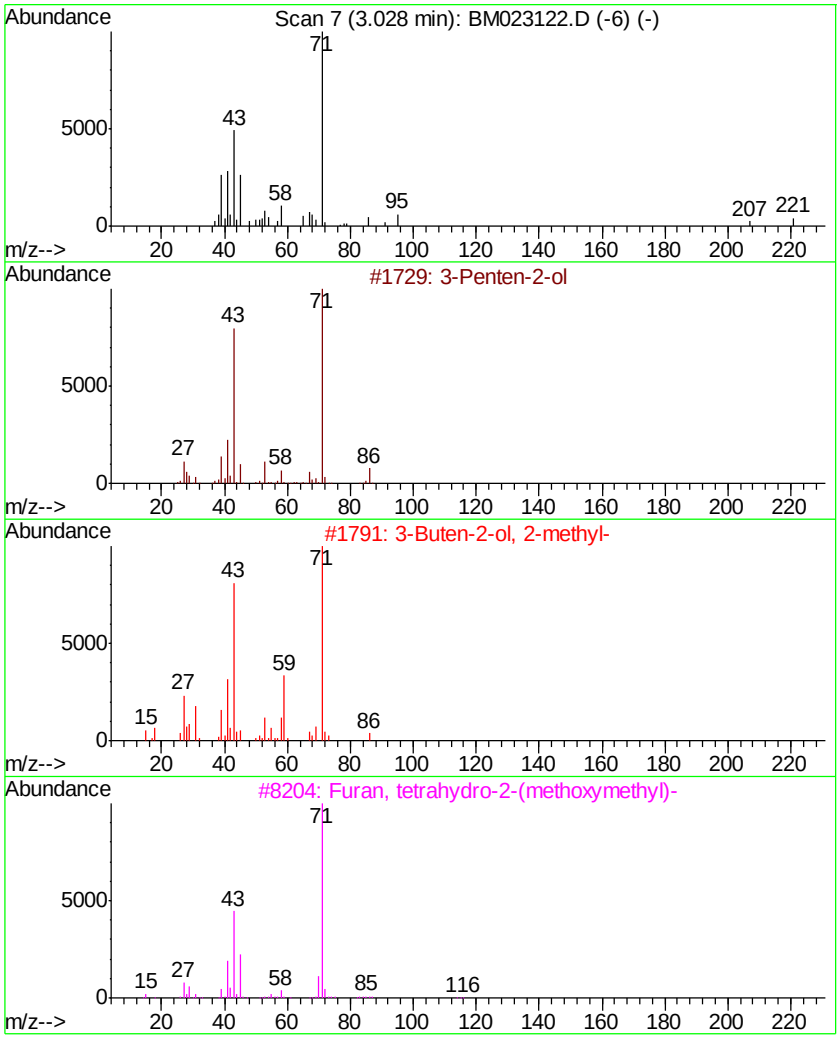
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

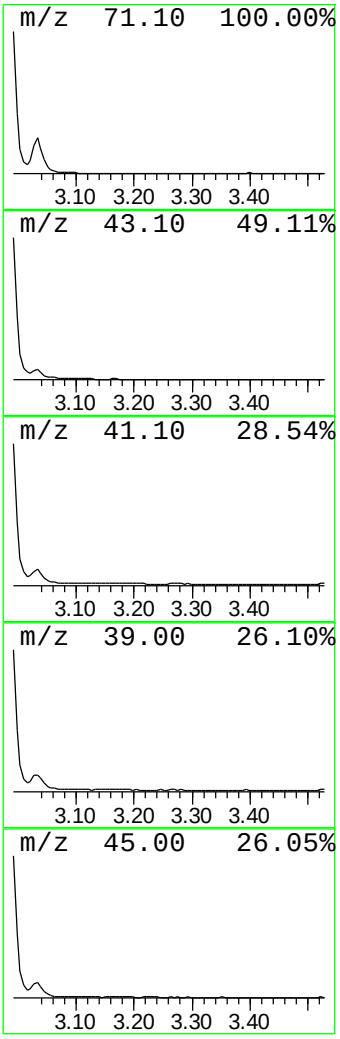
****

Peak Number 1 3-Penten-2-ol Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	2.29 ng/ul	123219	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol	86	C5H10O	001569-50-2	59
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	59
3	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	59
4	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	50
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

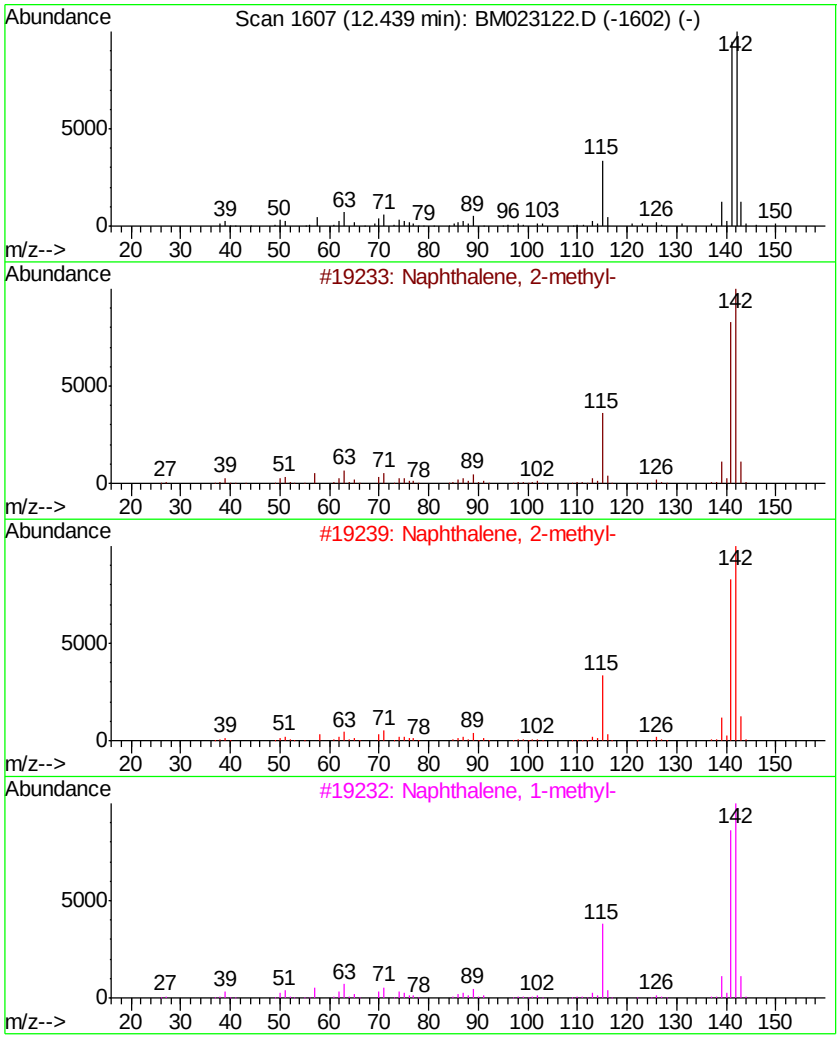
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

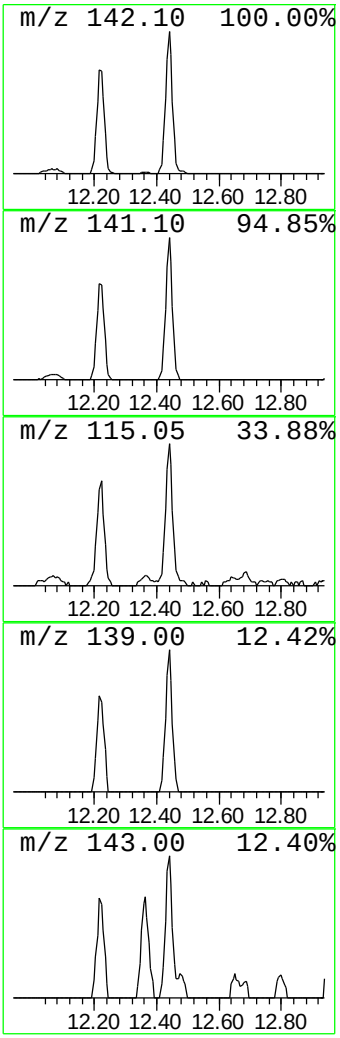
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.57 ng/ul	185977	Naphthalene-d8	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

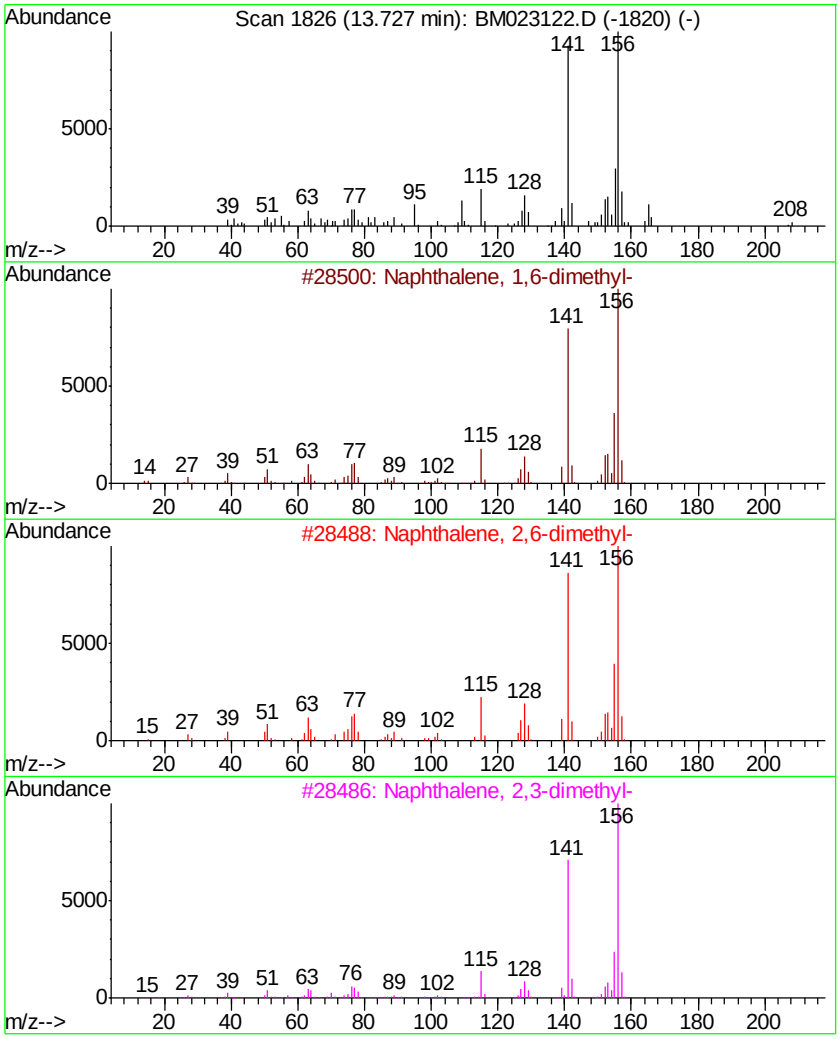
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

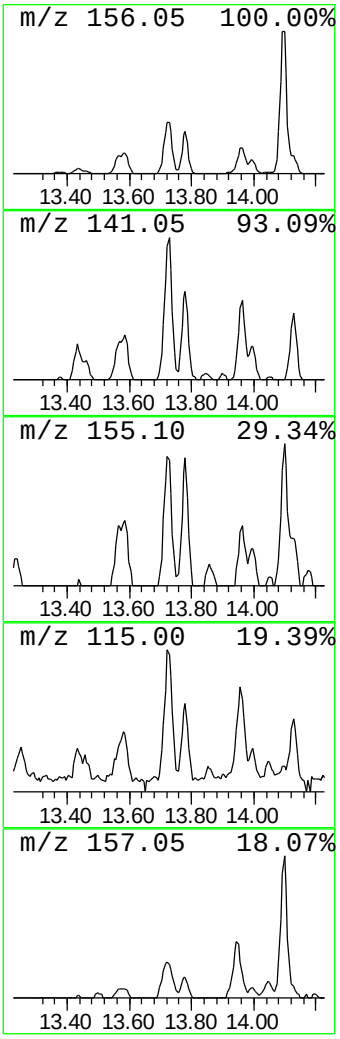
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.11 ng/ul	174943	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

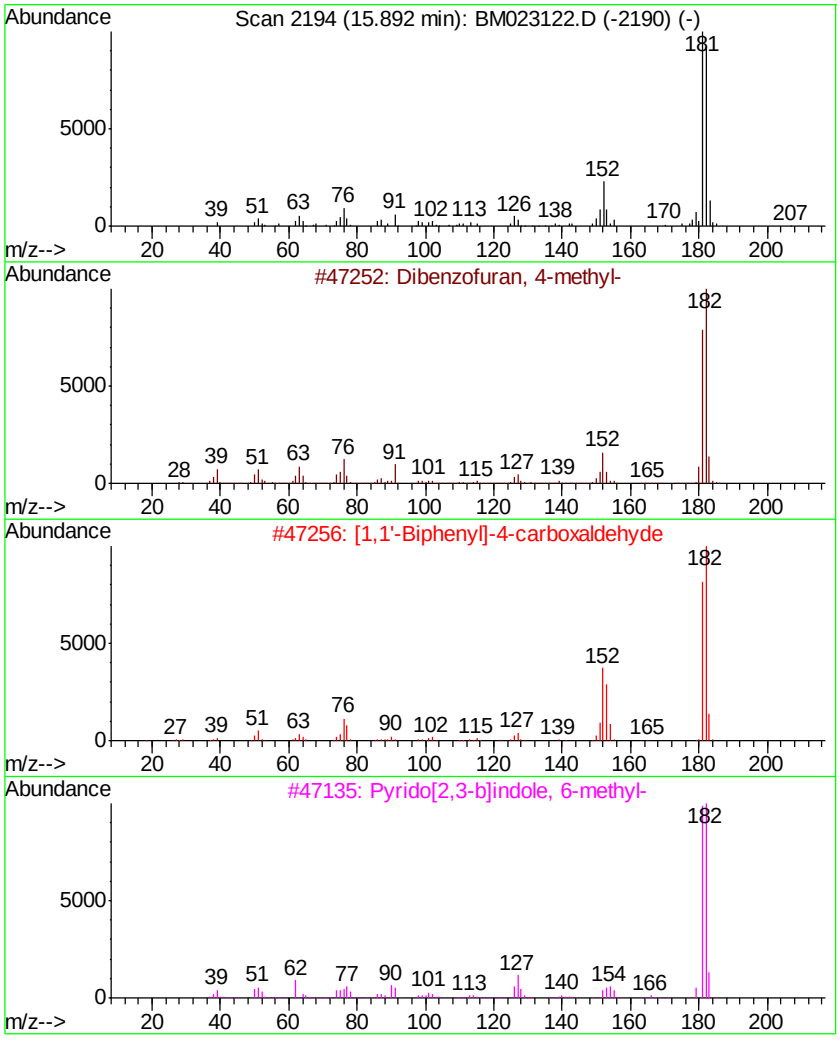
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

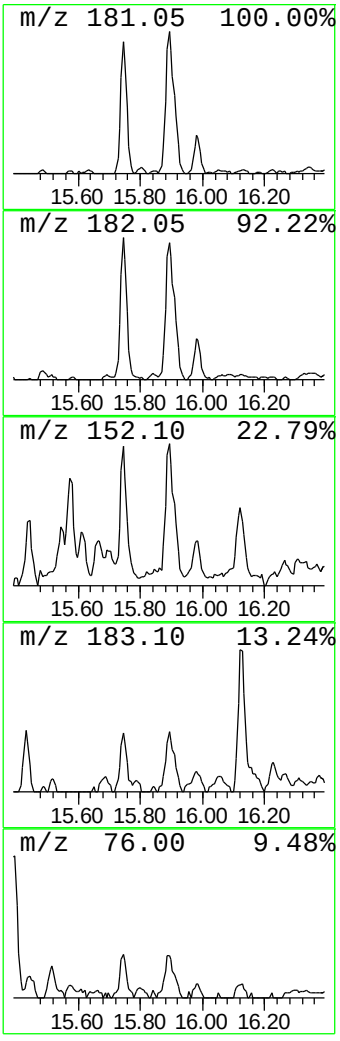
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.03 ng/ul	183356	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

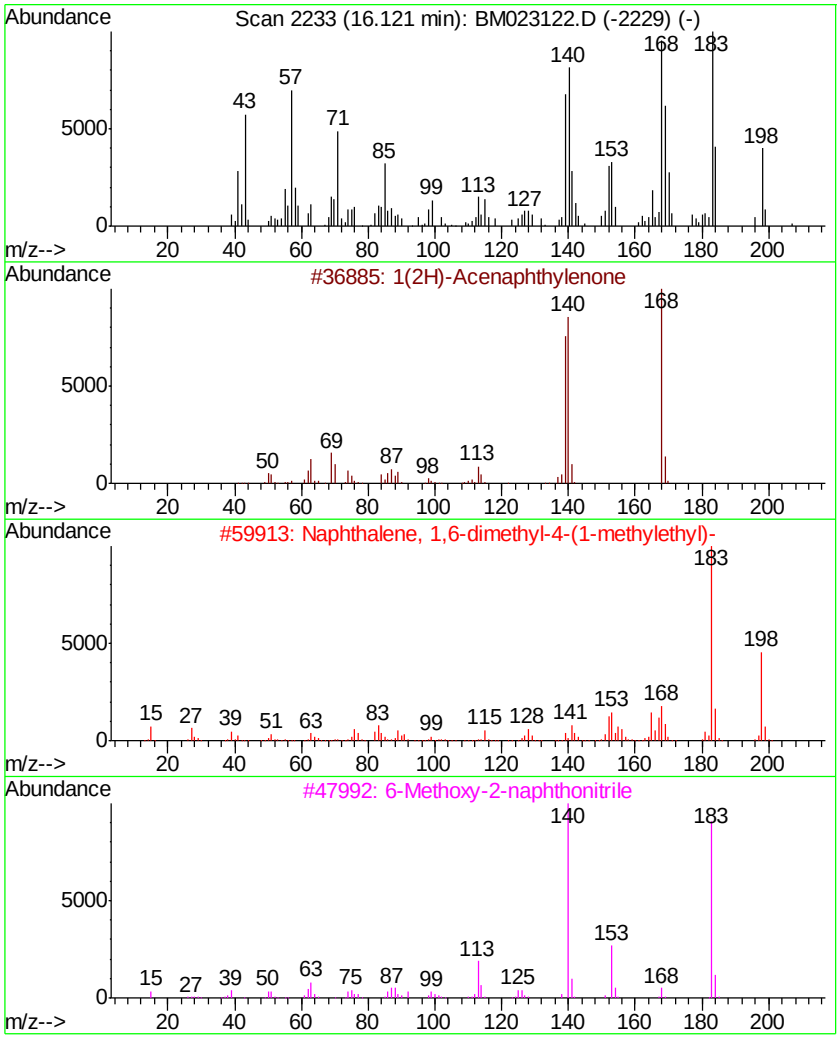
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

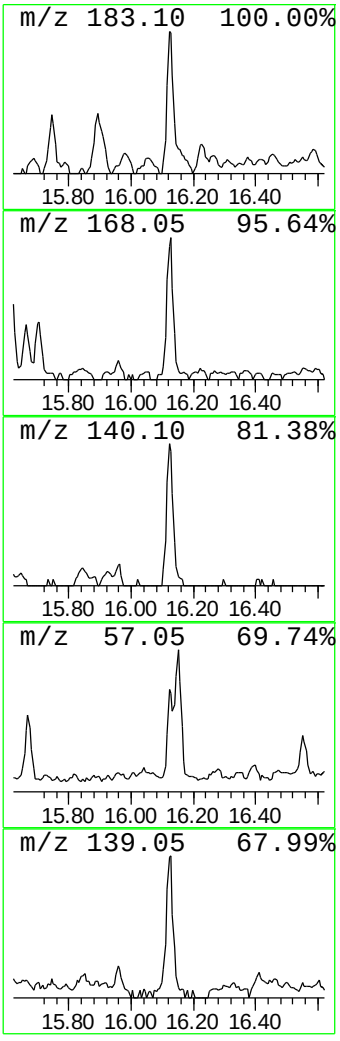
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	2.70 ng/ul	244406	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	83
2	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	46
3	6-Methoxy-2-naphthonitrile	183	C12H9NO	067886-70-8	38
4	1-Naphthalenecarbonitrile, 4-met...	183	C12H9NO	005961-55-7	38
5	6-Methoxy-2-naphthonitrile	183	C12H9NO	067886-70-8	38





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Operator : JU
Sample : K5124-02
Misc :
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Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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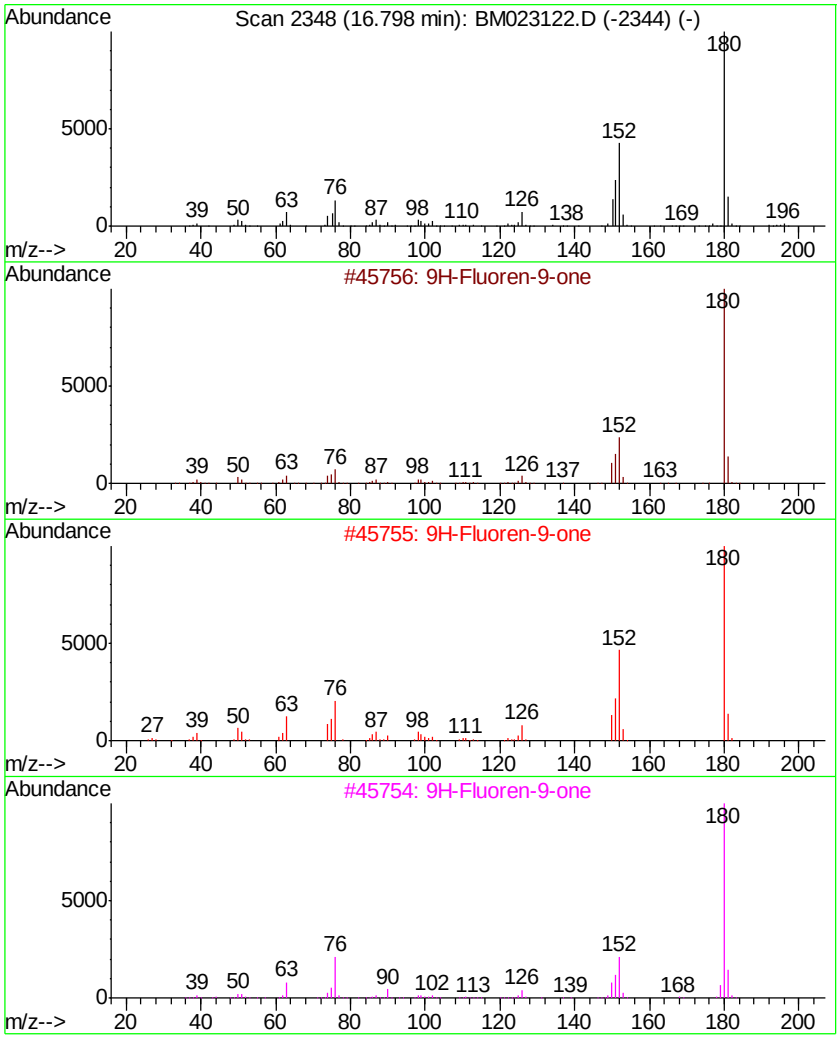
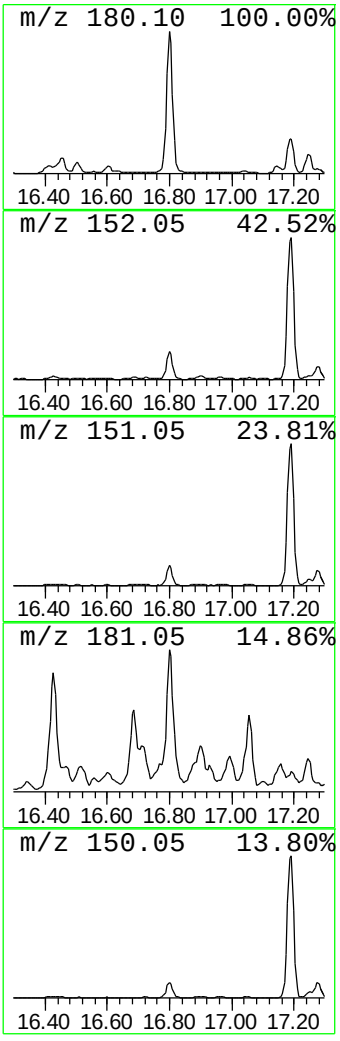
Peak Number 6 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	5.01 ng/ul	452634	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76





Library Search Compound Report

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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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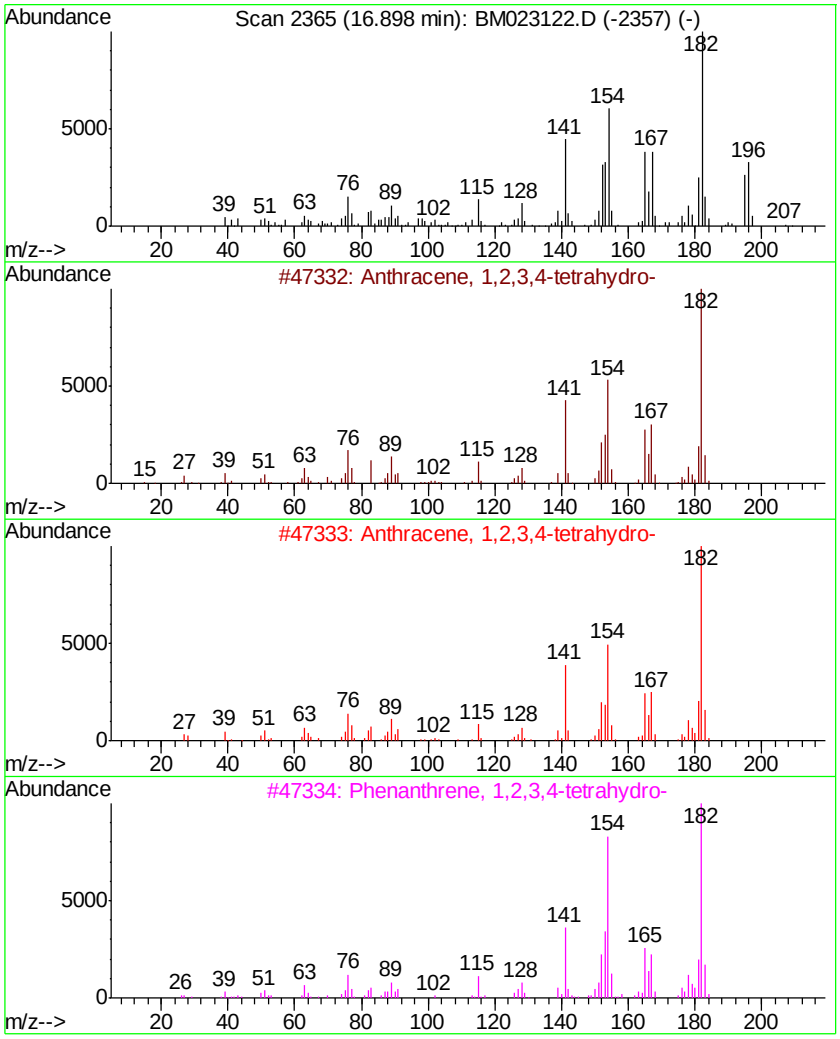
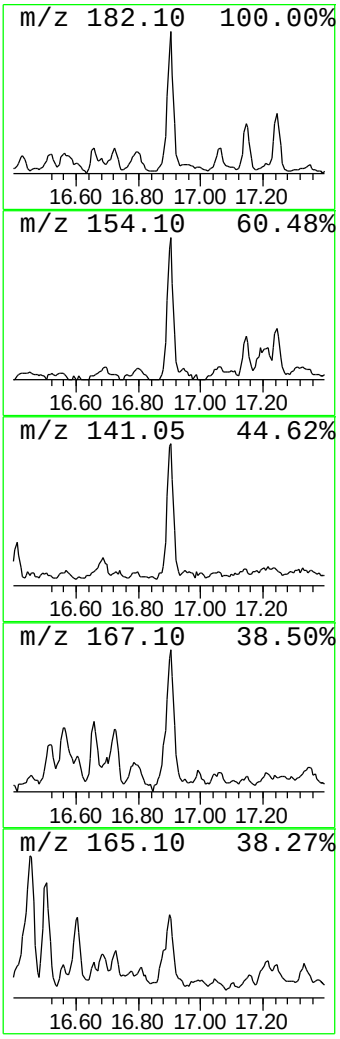
Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	3.93 ng/ul	354928	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	94
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
5	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	64





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ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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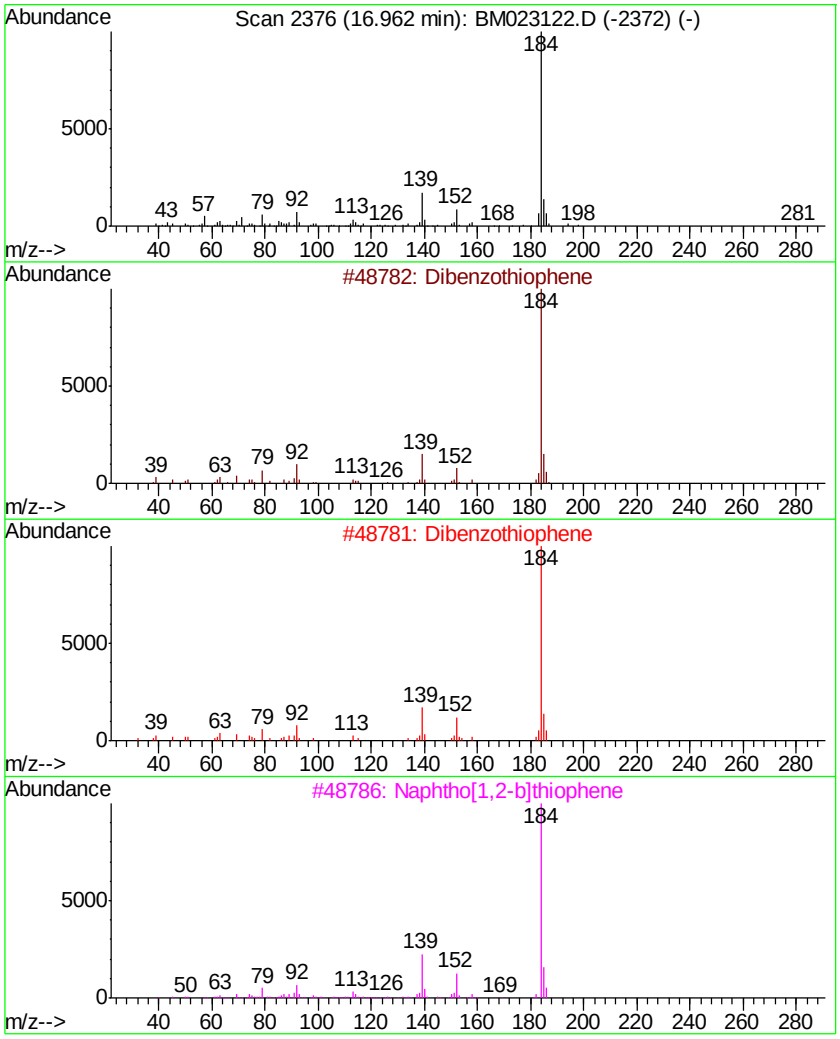
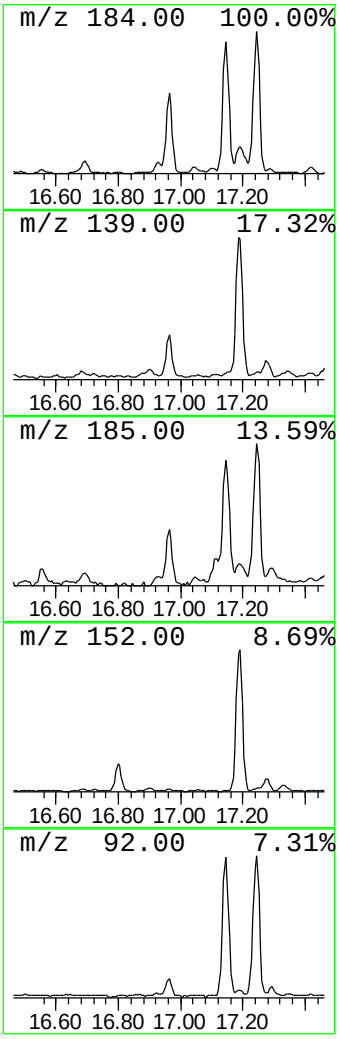
Peak Number 8 Dibenzothiophene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.35 ng/ul	212148	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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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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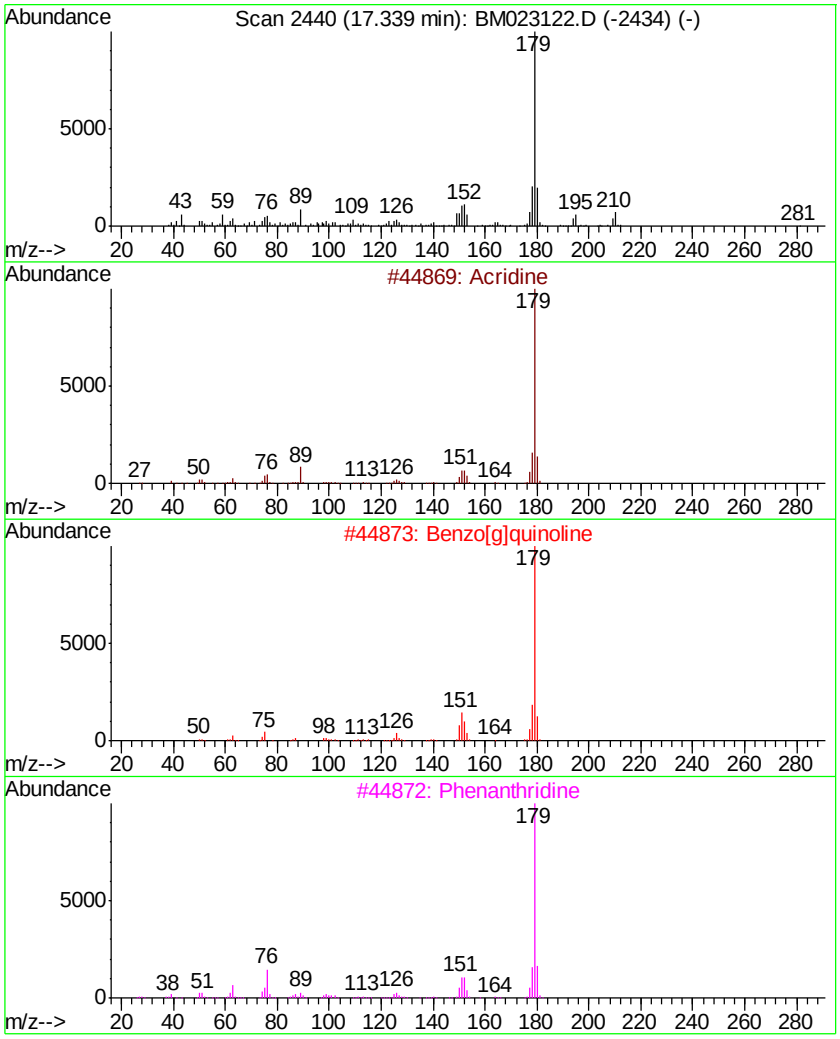
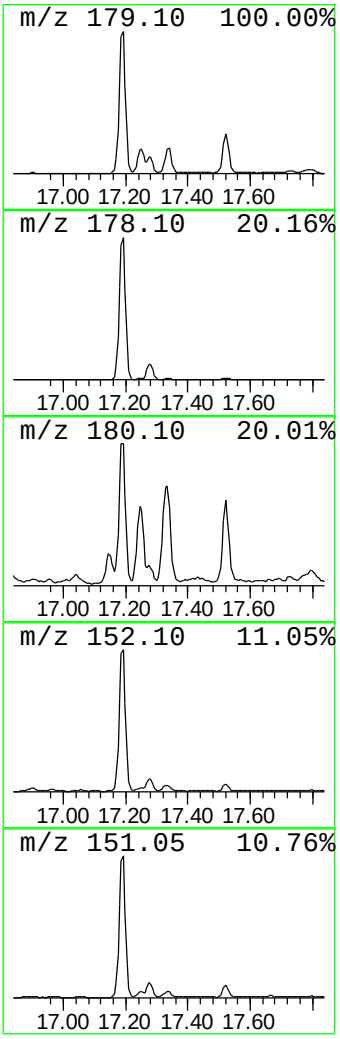
Peak Number 9 Acridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	4.32 ng/ul	390835	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[g]quinoline	179	C13H9N	000260-36-6	94
3	Phenanthridine	179	C13H9N	000229-87-8	93
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	91
5	Phenanthridine	179	C13H9N	000229-87-8	91





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Quant Title : SVOA CALIBRATION

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

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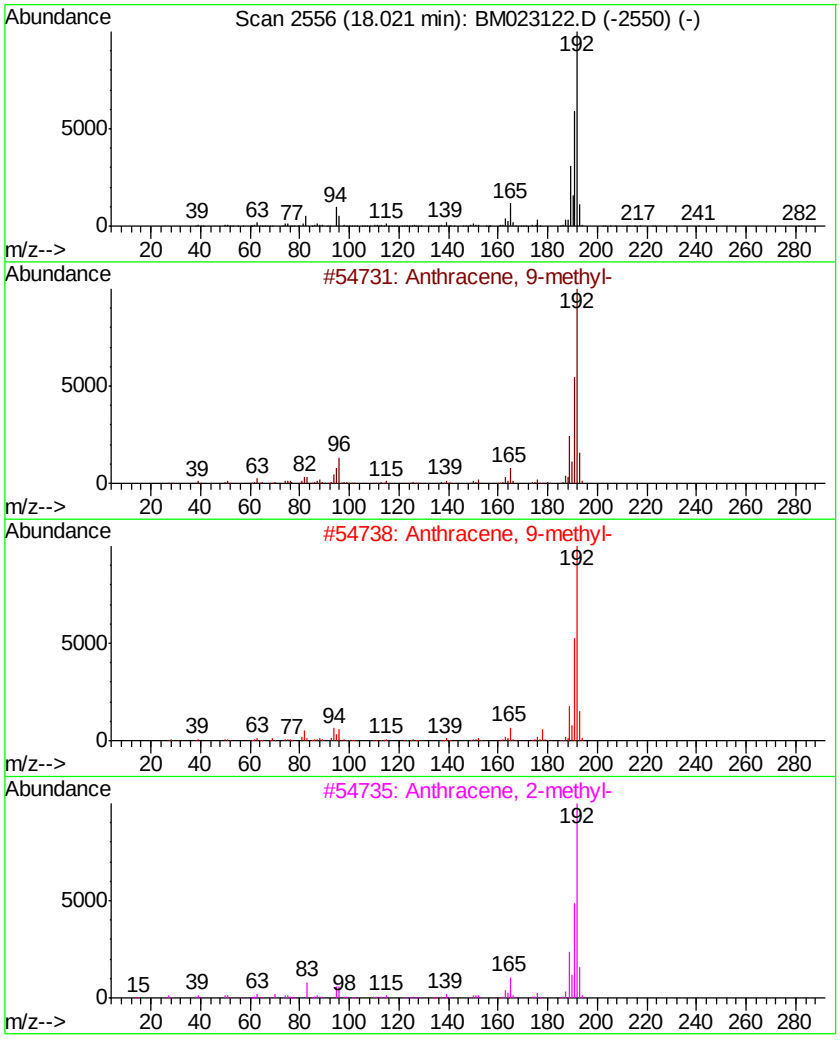
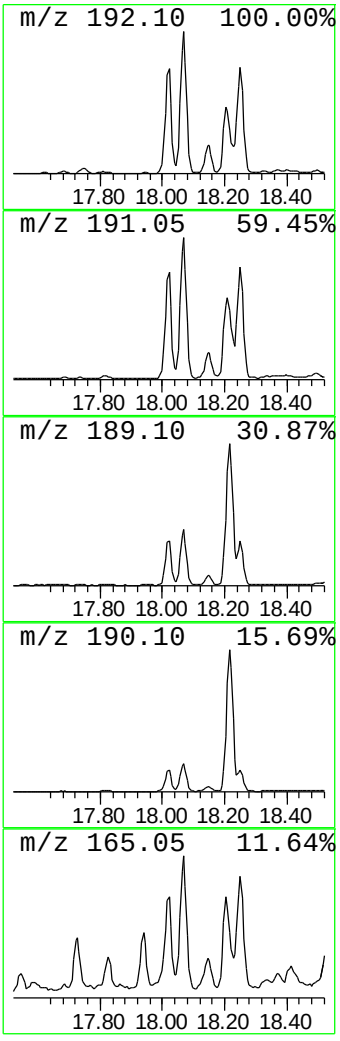
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	7.53 ng/ul	680914	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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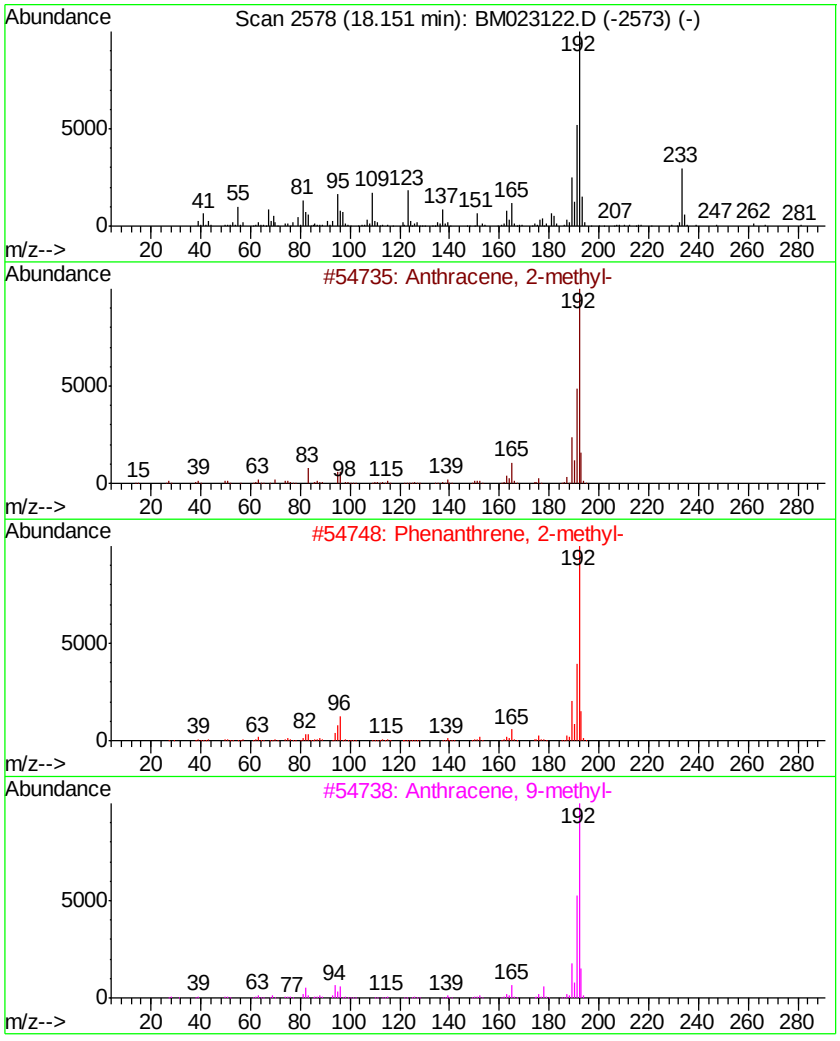
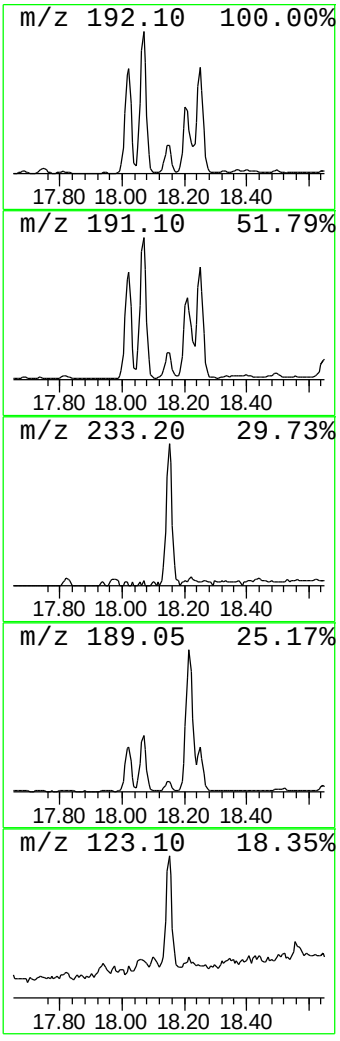
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	4.09 ng/ul	369906	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	70
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	70





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Misc :
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Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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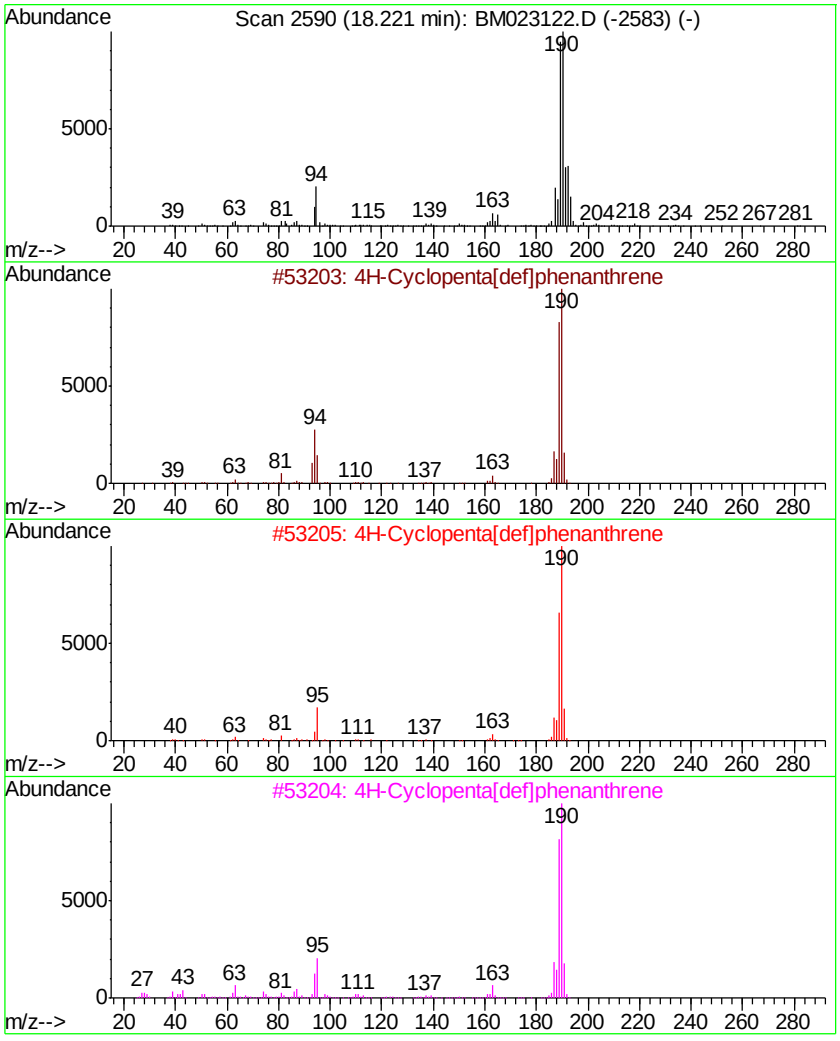
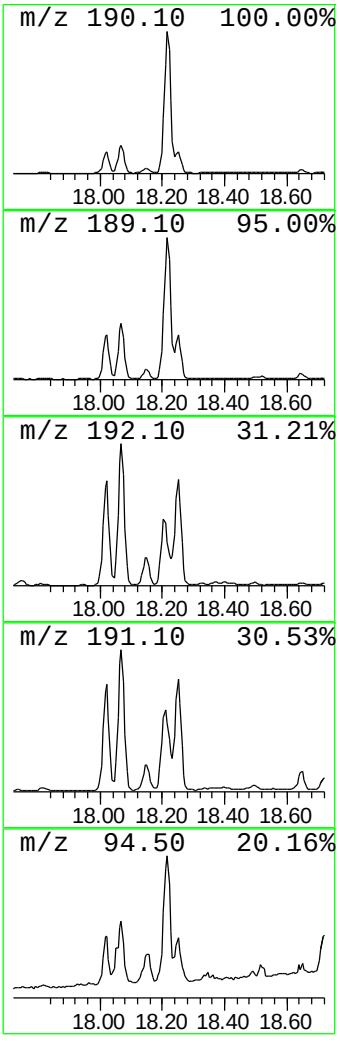
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	14.06 ng/ul	1270780	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Quant Title : SVOA CALIBRATION

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

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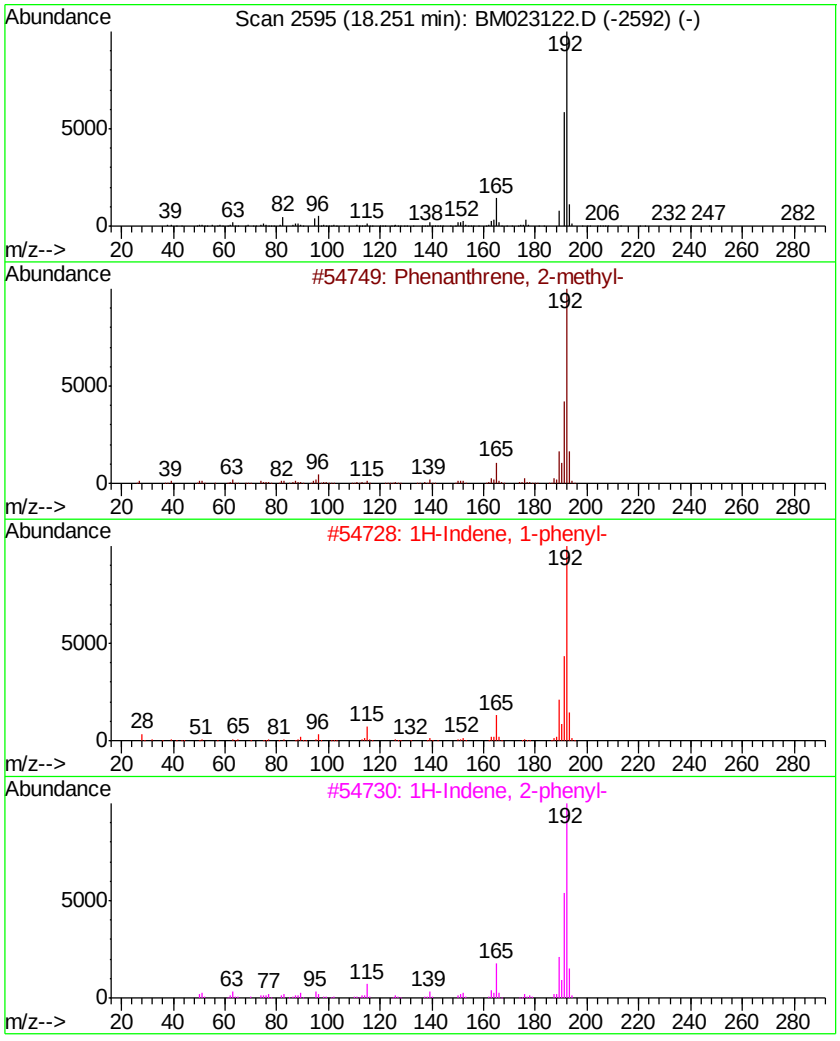
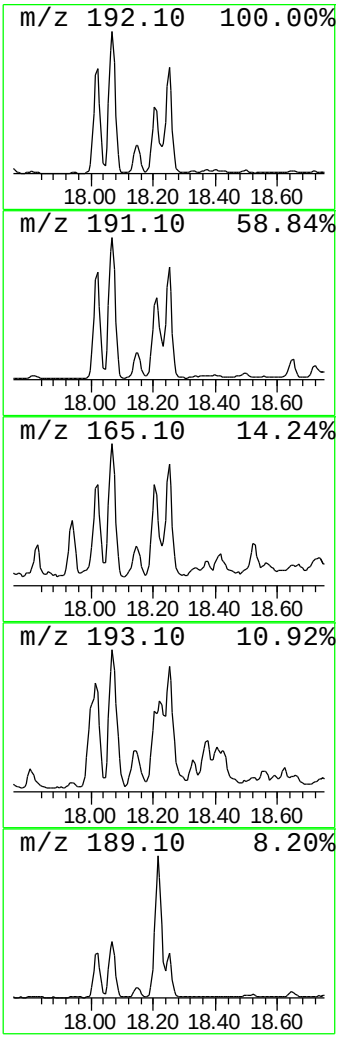
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	7.62 ng/ul	688698	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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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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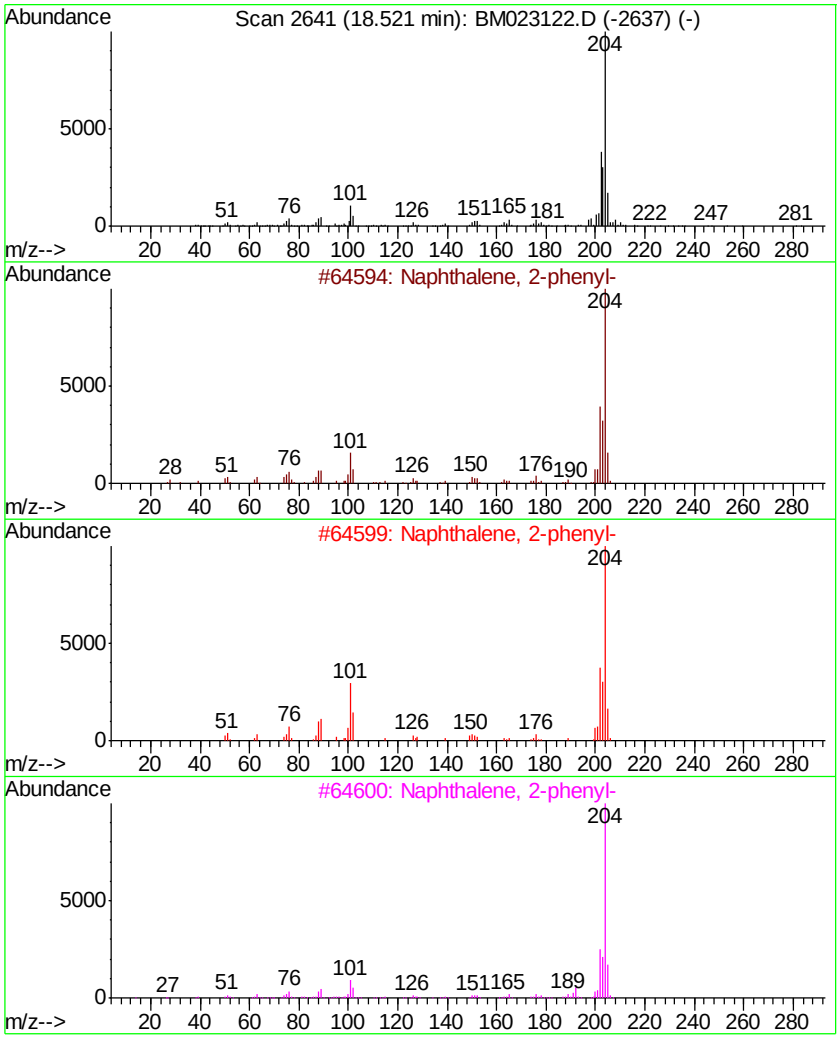
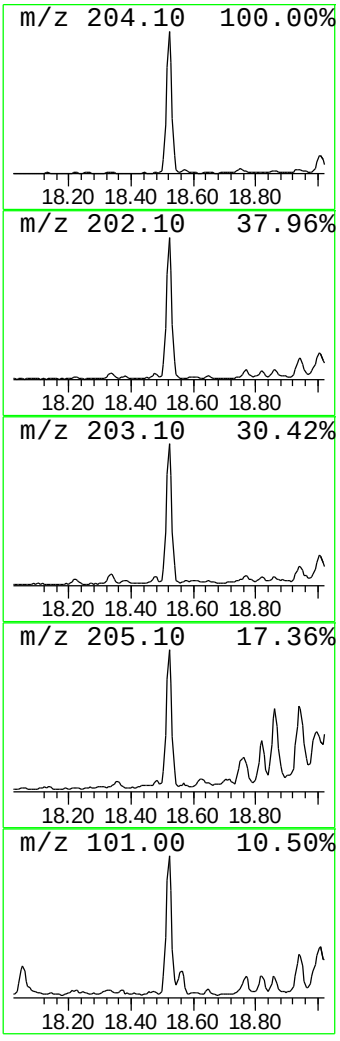
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	7.77 ng/ul	702010	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Quant Title : SVOA CALIBRATION

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

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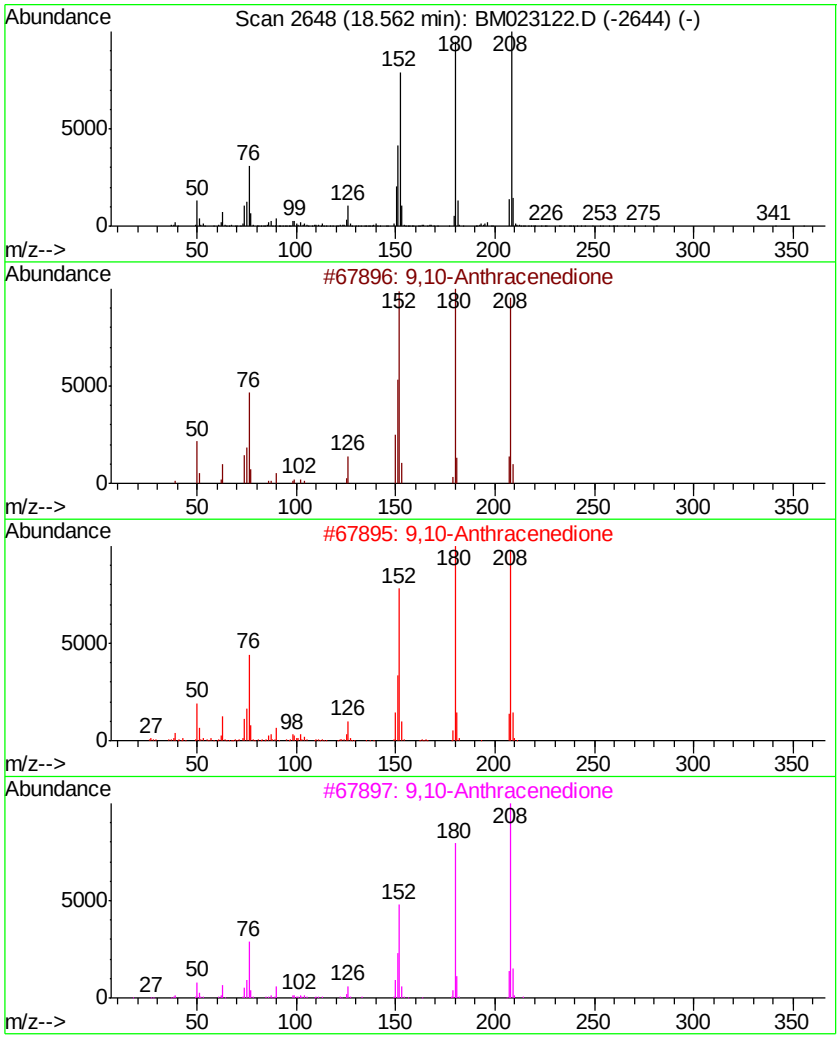
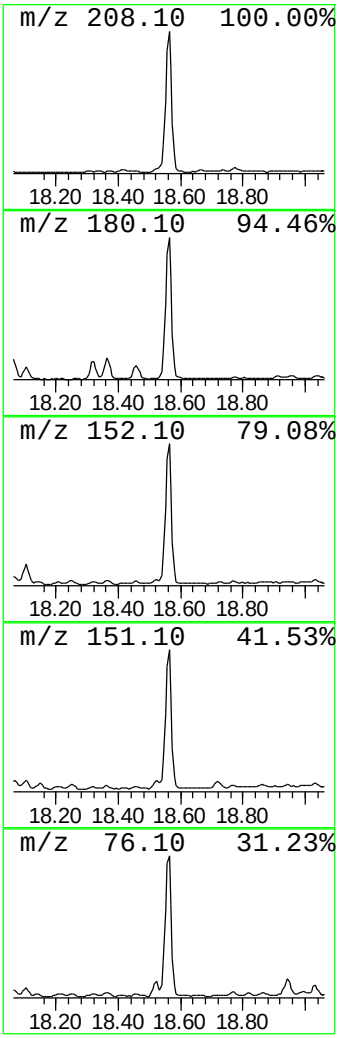
Peak Number 16 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	15.82 ng/ul	1429820	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





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Quant Title : SVOA CALIBRATION

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

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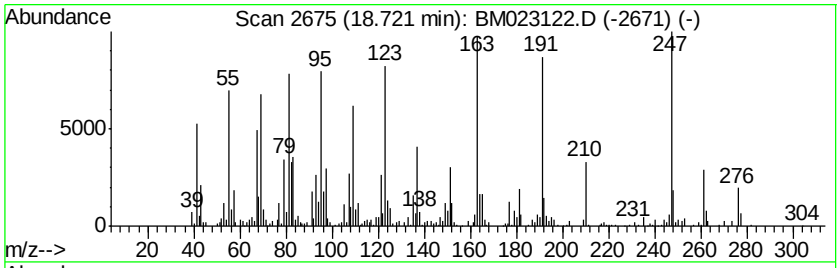
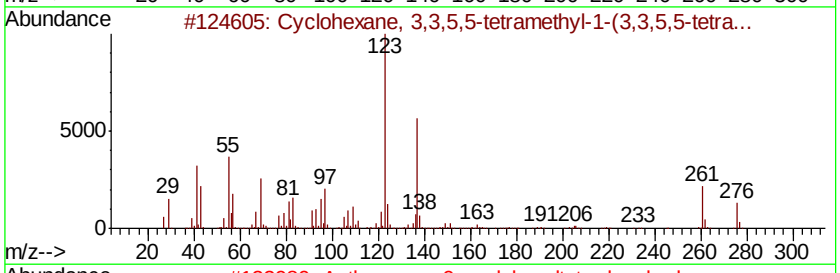
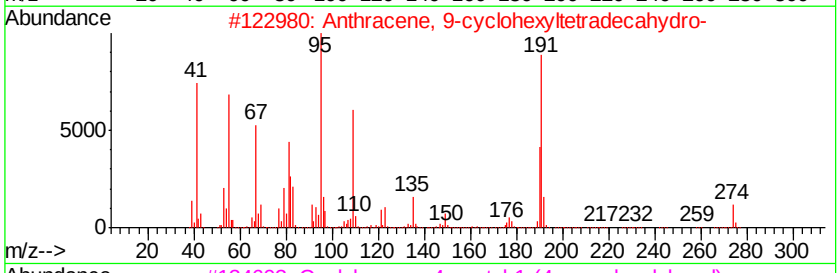
Peak Number 17 unknown-01 Concentration Rank 27

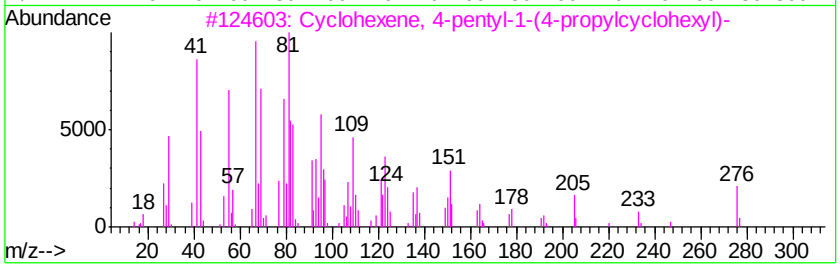
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.49 ng/ul	315113	Phenanthrene-d10	17.14

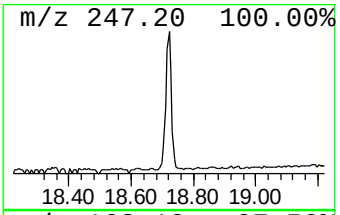
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 3,3,5,5-tetramethyl...	276	C20H36	1000157-88-6	47
2	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	22
3	Cyclohexene, 4-pentyl-1-(4-propy...	276	C20H36	108067-17-0	20
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	15
5	2-(3,3-Dimethyl-oxiran-2-yl)-5-e...	209	C11H15NO3	1000194-95-4	14

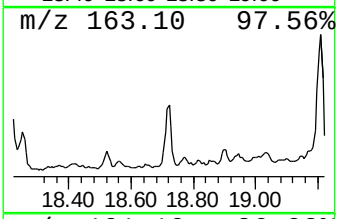


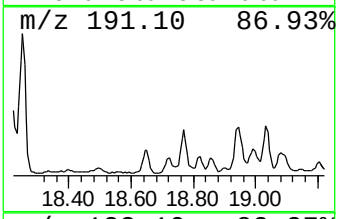


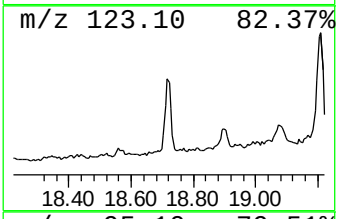


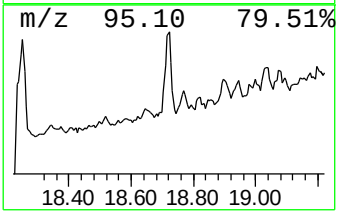












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Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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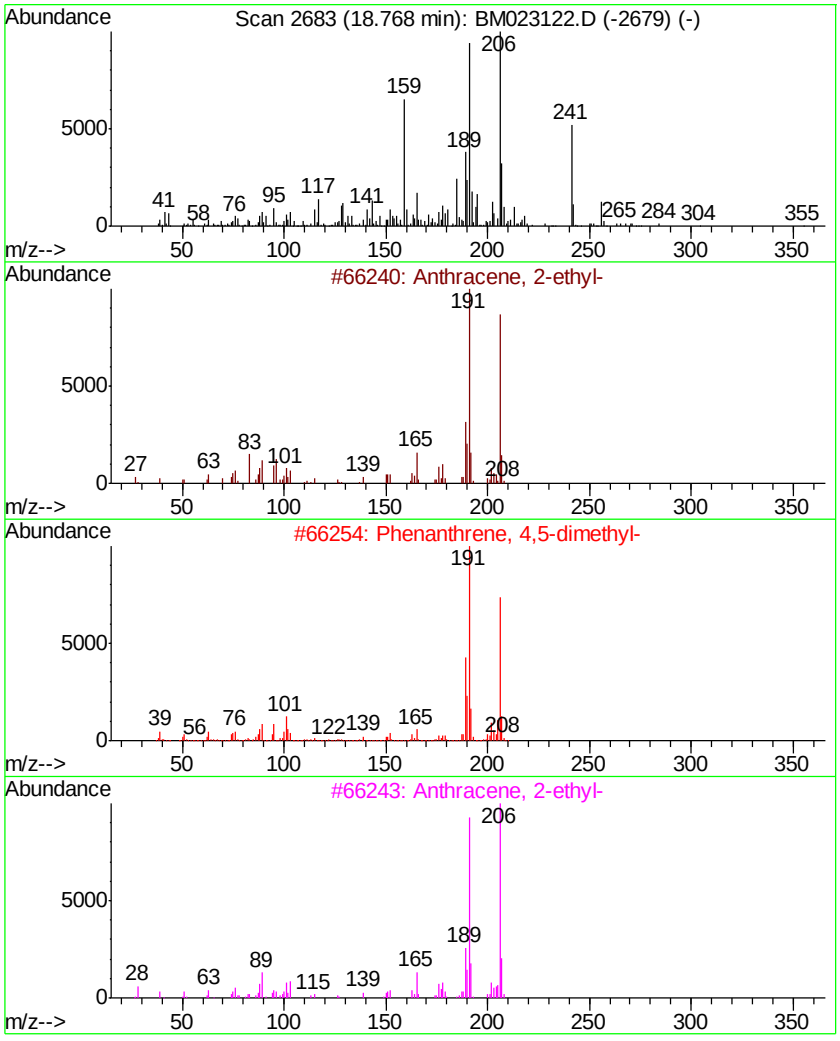
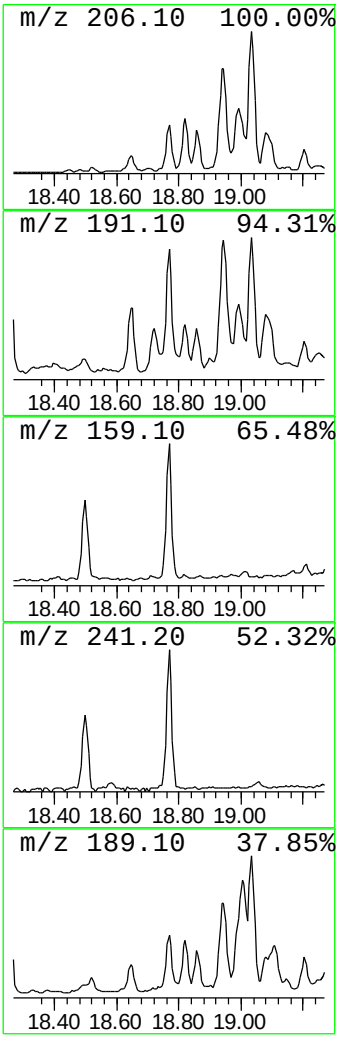
Peak Number 18 Anthracene, 2-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	4.07 ng/ul	367662	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	83
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64





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Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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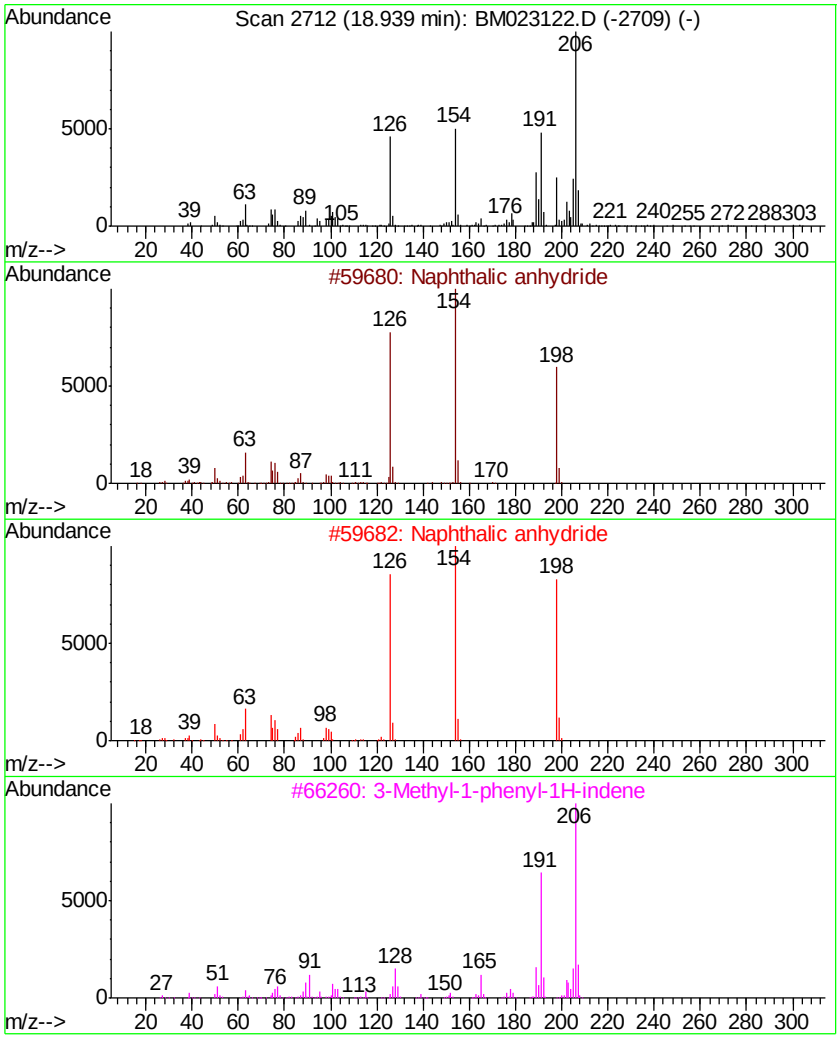
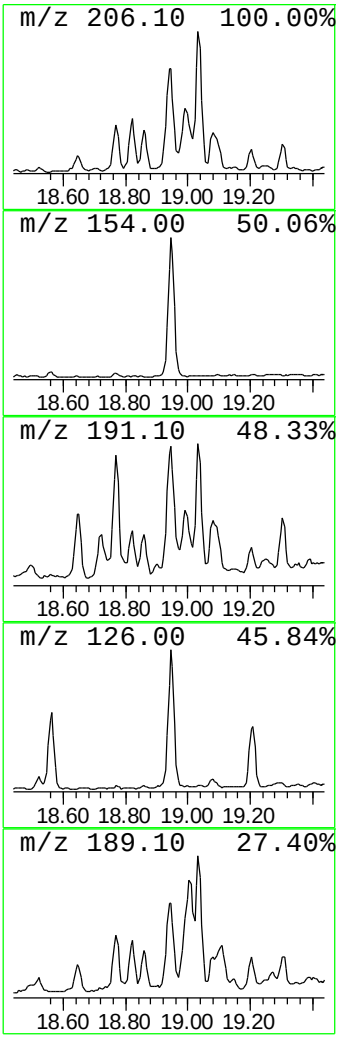
Peak Number 19 Naphthalic anhydride Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	4.72 ng/ul	426363	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	93
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	92
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	70
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





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Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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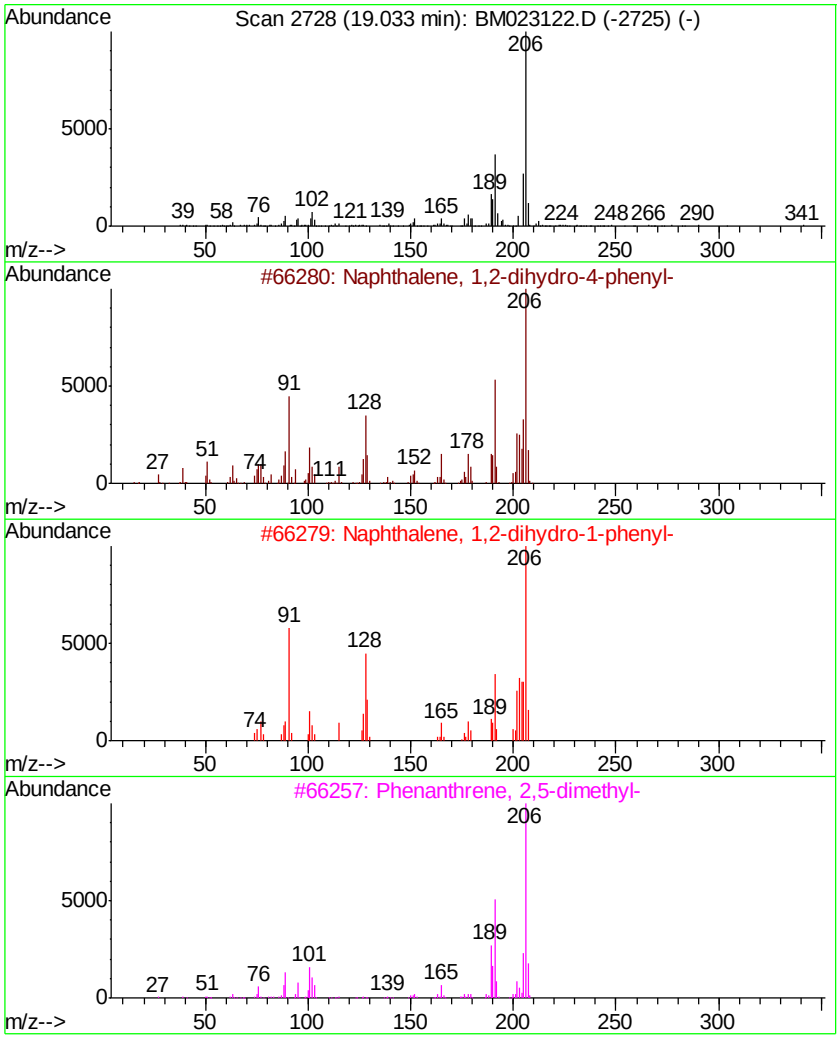
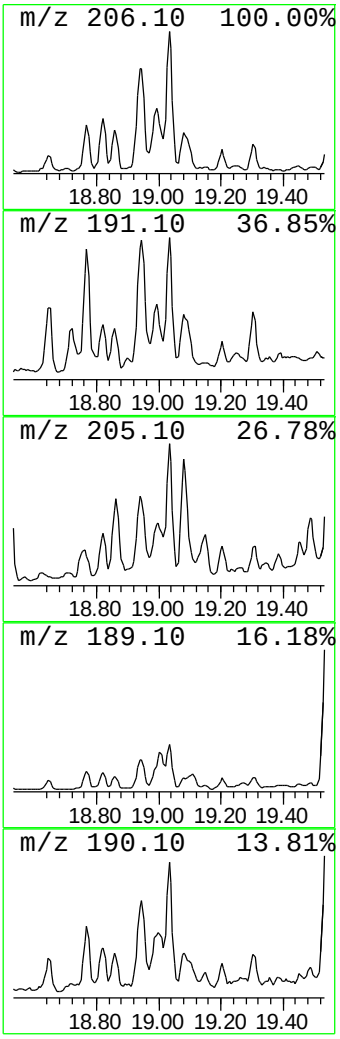
Peak Number 20 Naphthalene, 1,2-dihydro-4-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.52 ng/ul	318466	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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Operator : JU
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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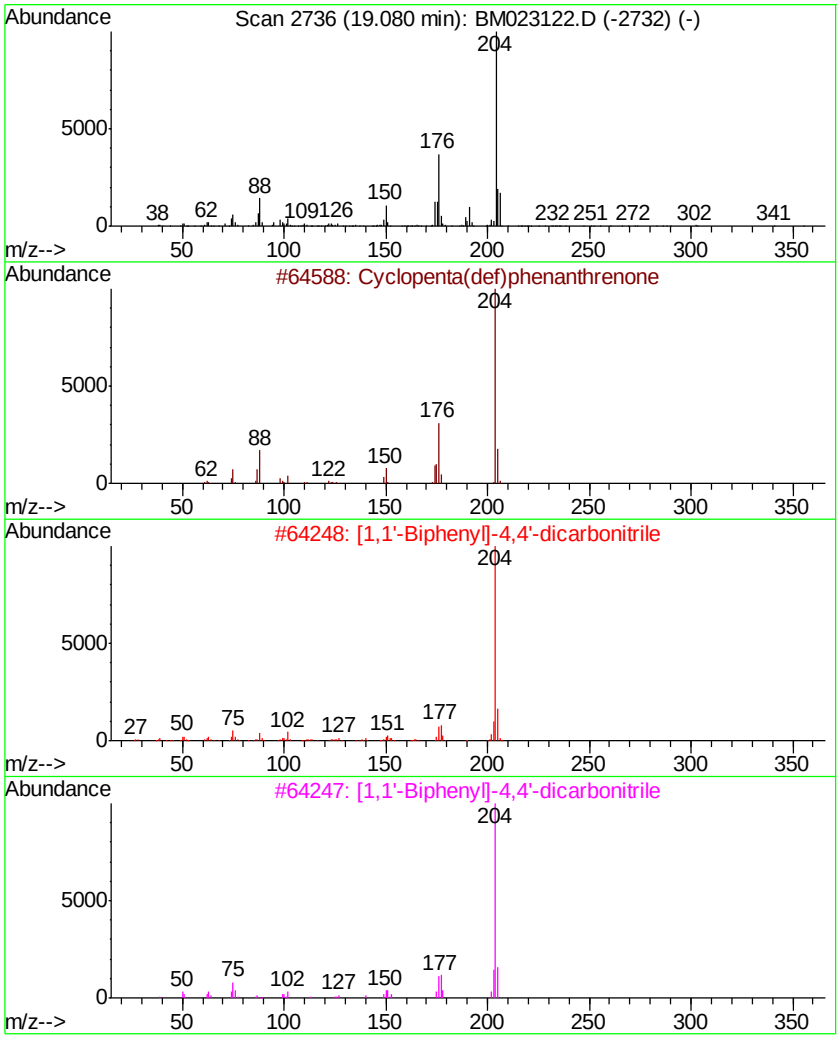
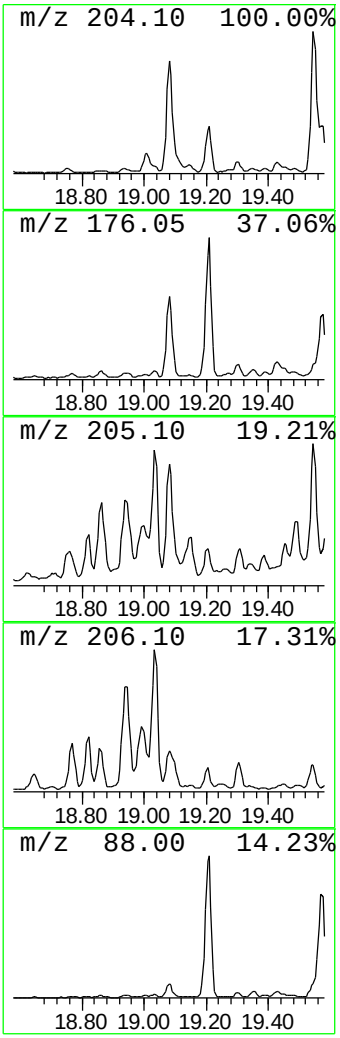
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	6.77 ng/ul	611497	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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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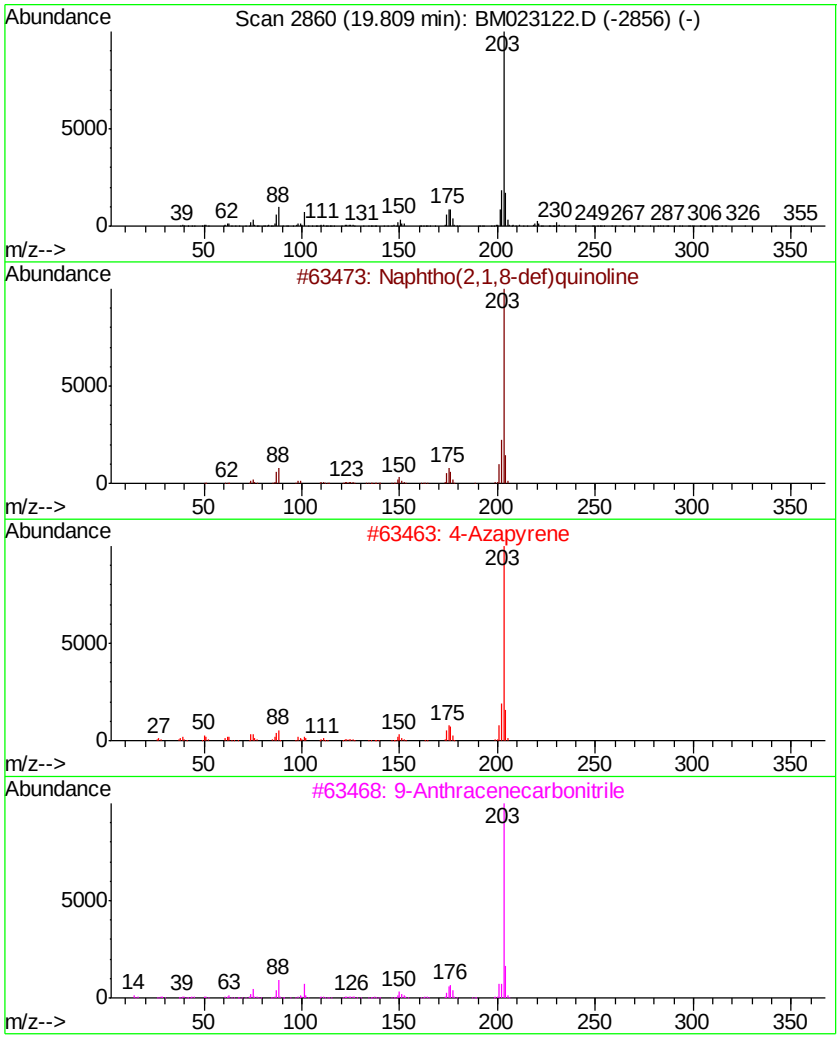
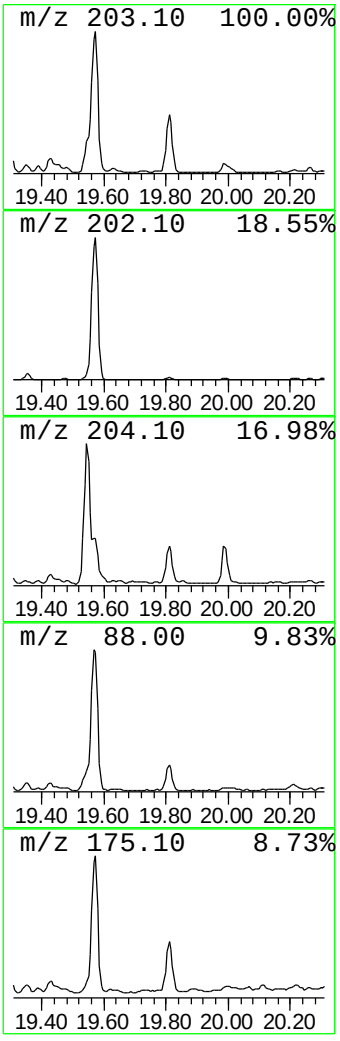
Peak Number 22 Naphtho(2,1,8-def)quinoline Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.29 ng/ul	825969	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	96
2	4-Azapyrene	203	C15H9N	000194-03-6	95
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	95
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
5	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	94





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Misc :
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Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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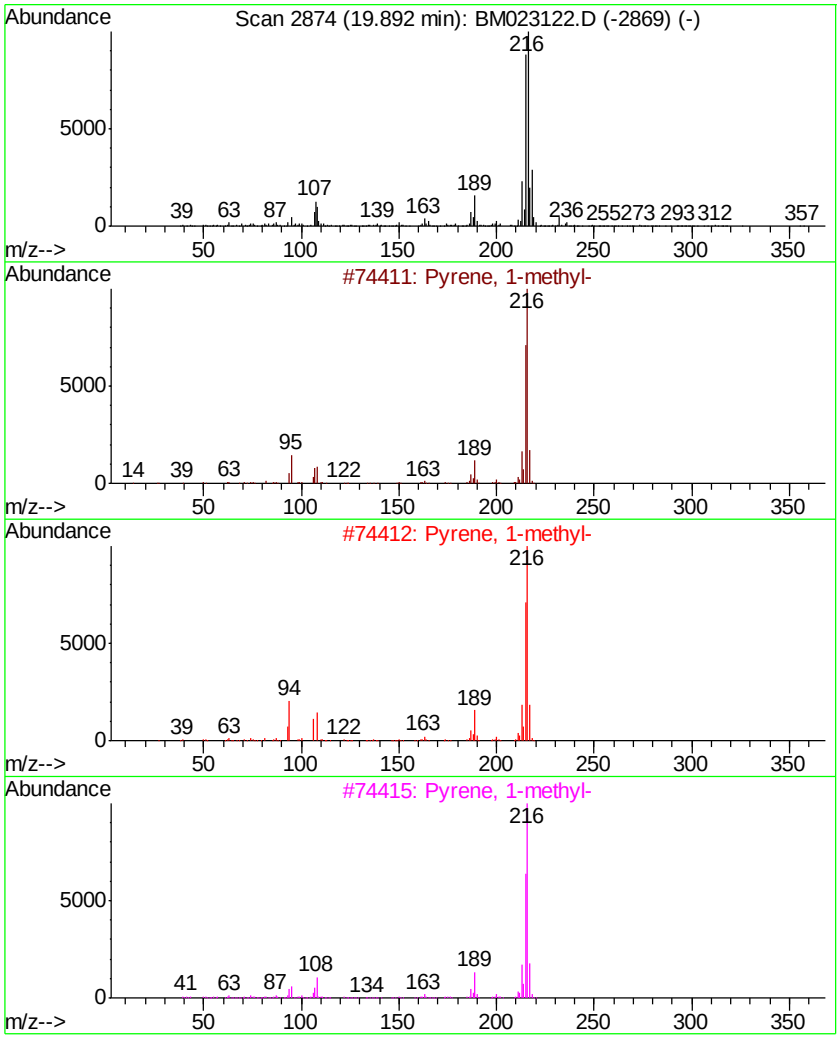
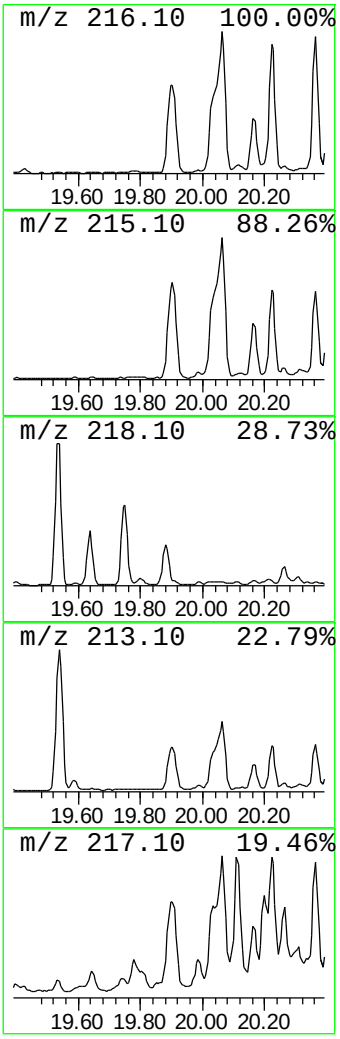
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.26 ng/ul	1176500	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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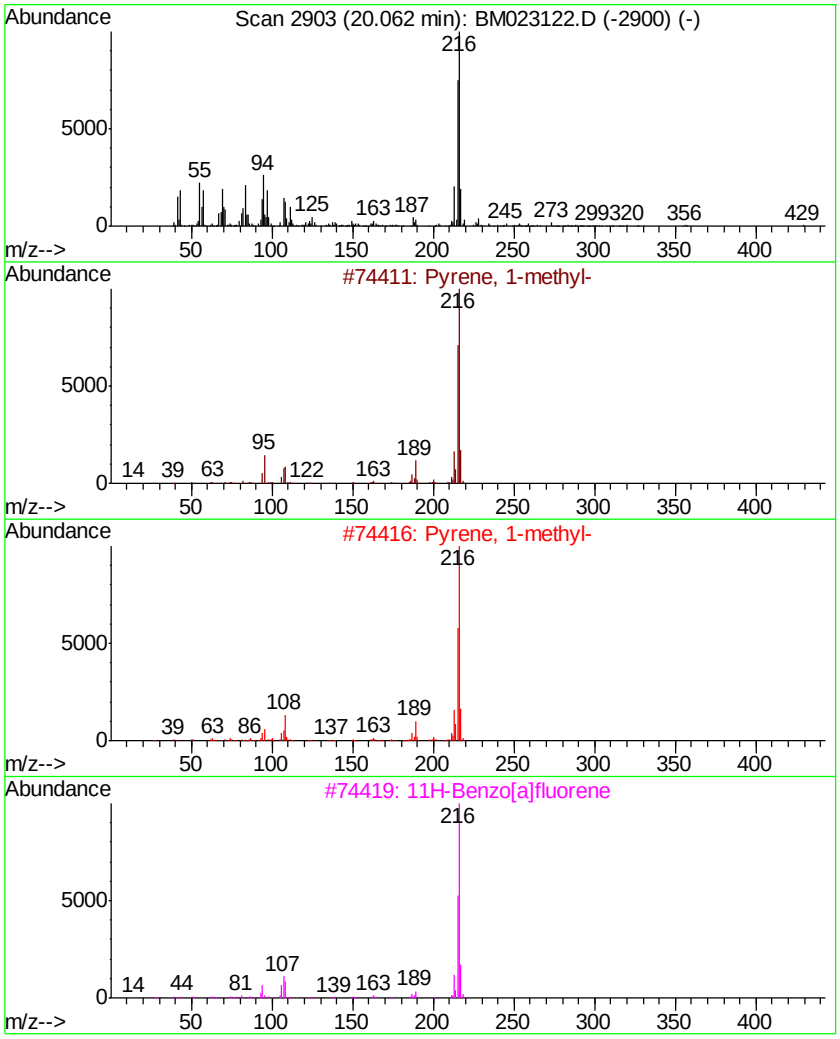
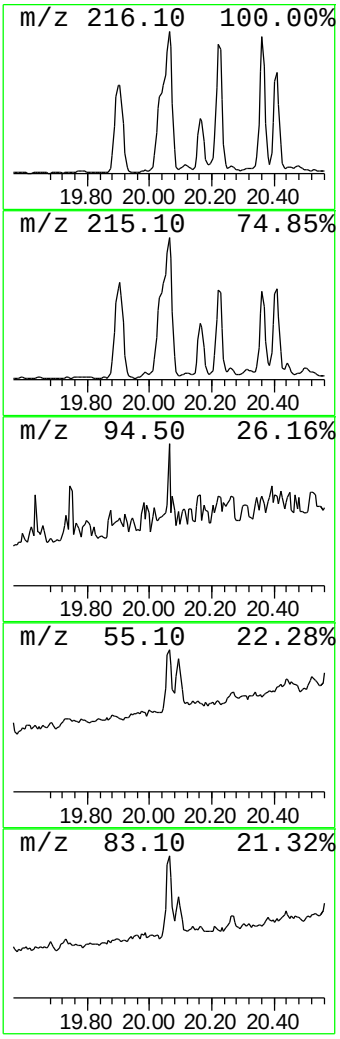
Peak Number 24 11H-Benzo[a]fluorene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.46 ng/ul	887497	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

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Quant Title : SVOA CALIBRATION

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

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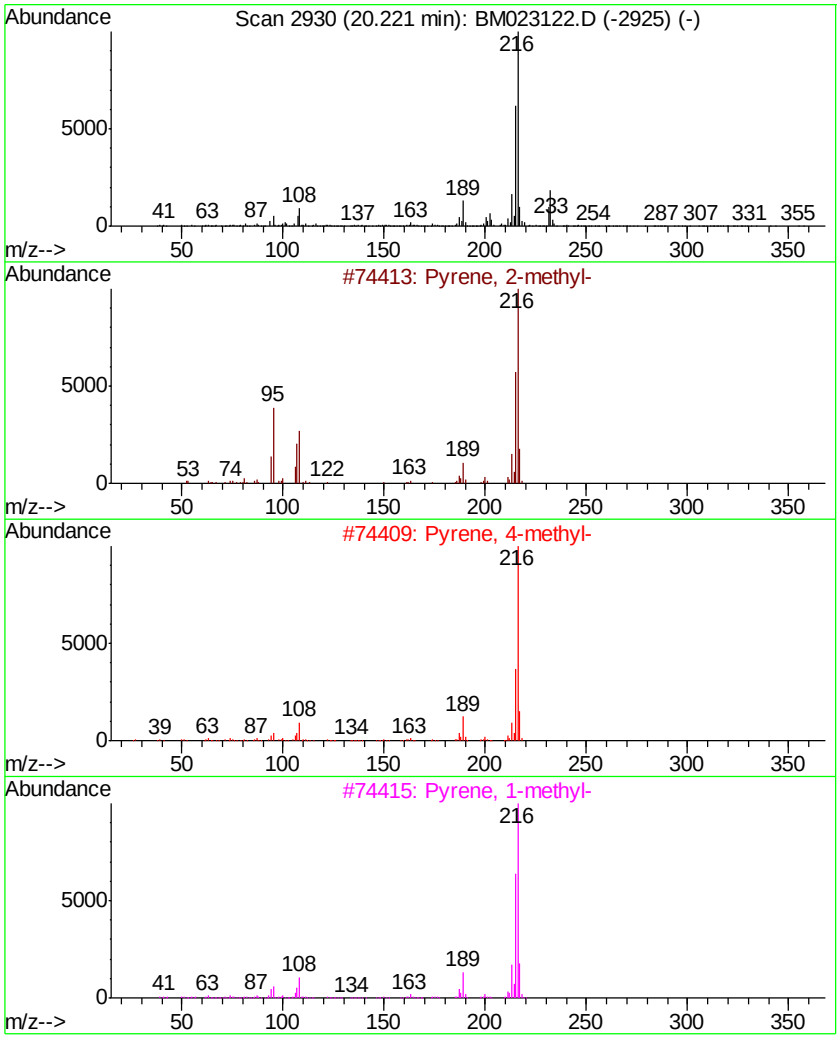
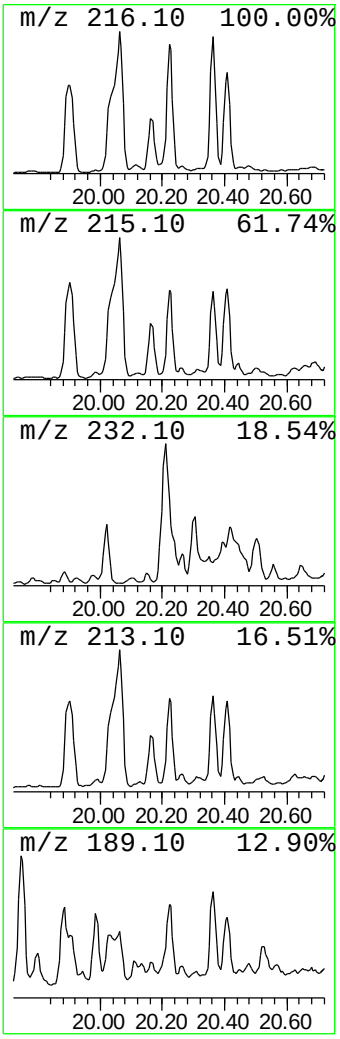
Peak Number 25 Pyrene, 2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.77 ng/ul	1001390	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83





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Quant Title : SVOA CALIBRATION

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

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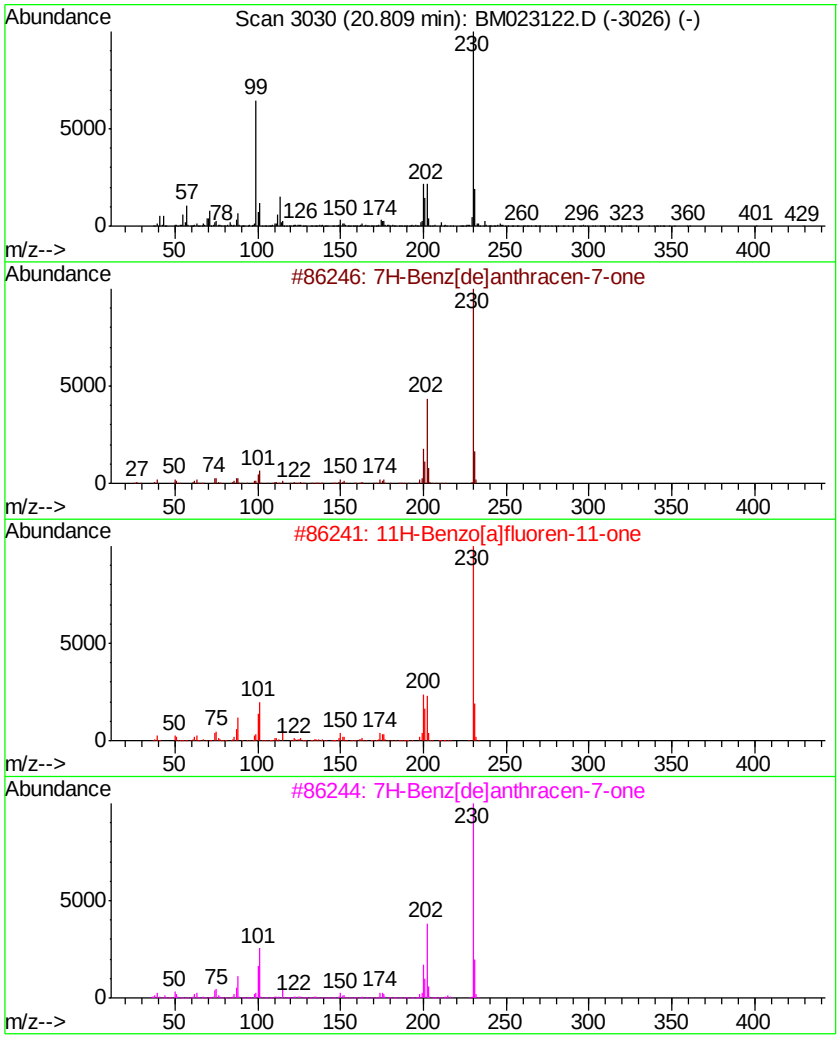
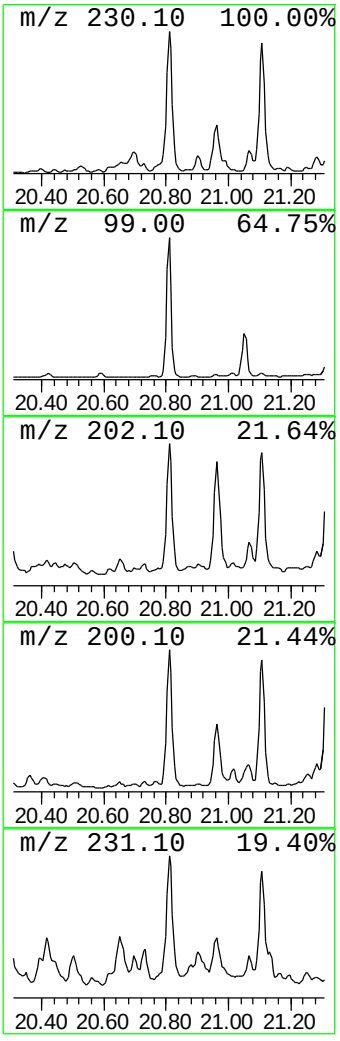
Peak Number 26 7H-Benz[de]anthracen-7-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	4.40 ng/ul	1590910	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	62
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50





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Quant Title : SVOA CALIBRATION

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

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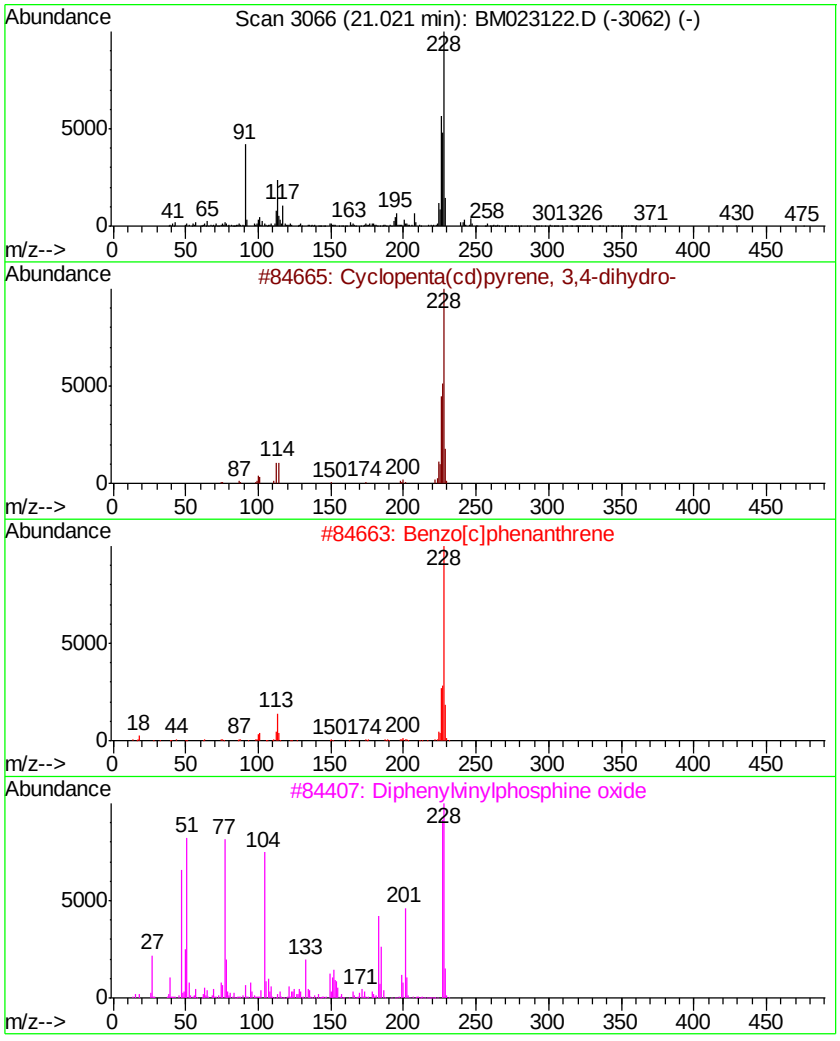
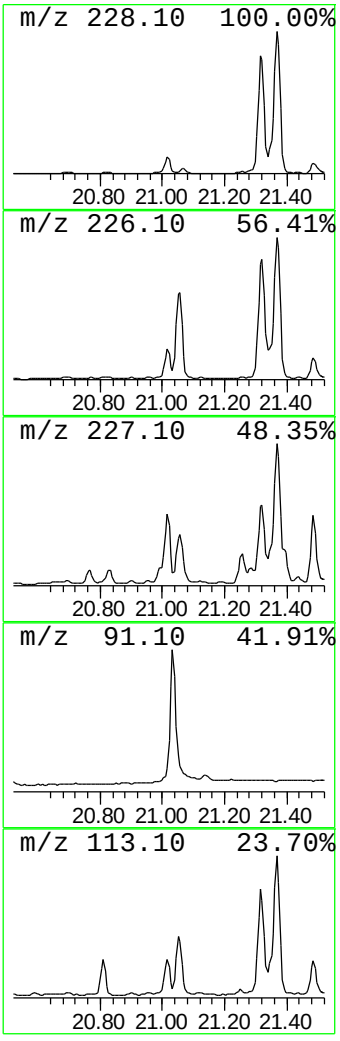
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.26 ng/ul	817329	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43
4	Triphenylene	228	C18H12	000217-59-4	43
5	Triphenylene	228	C18H12	000217-59-4	41





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

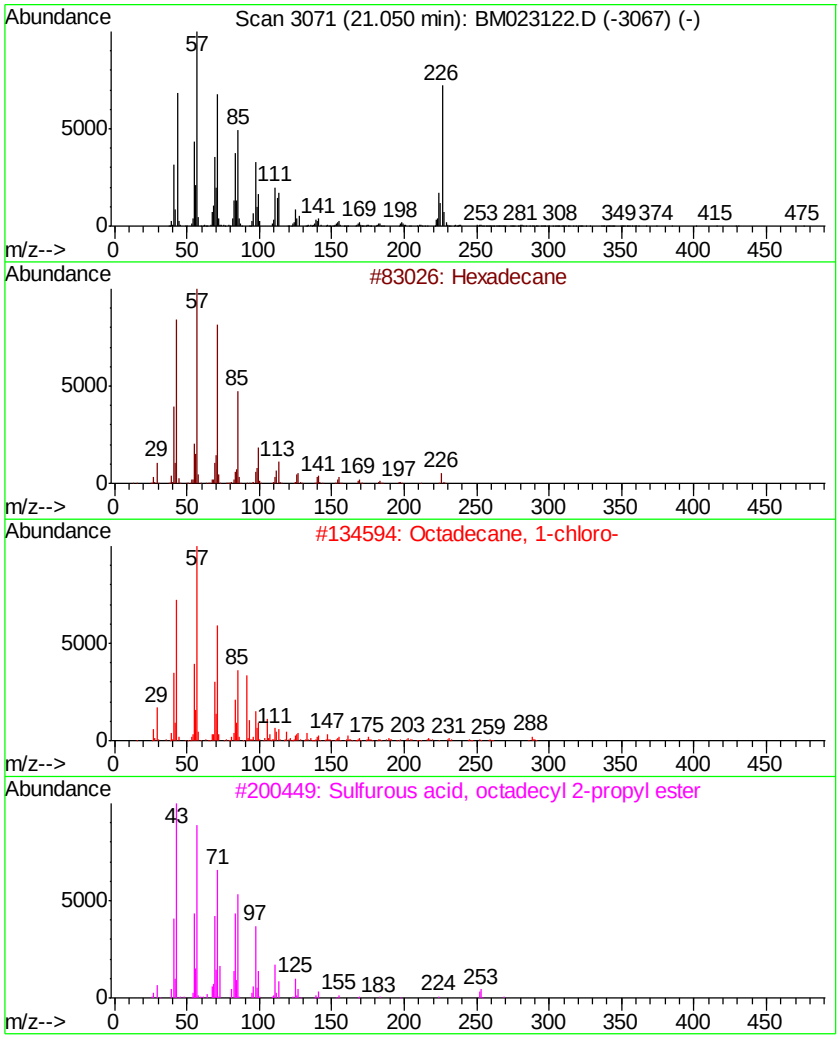
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

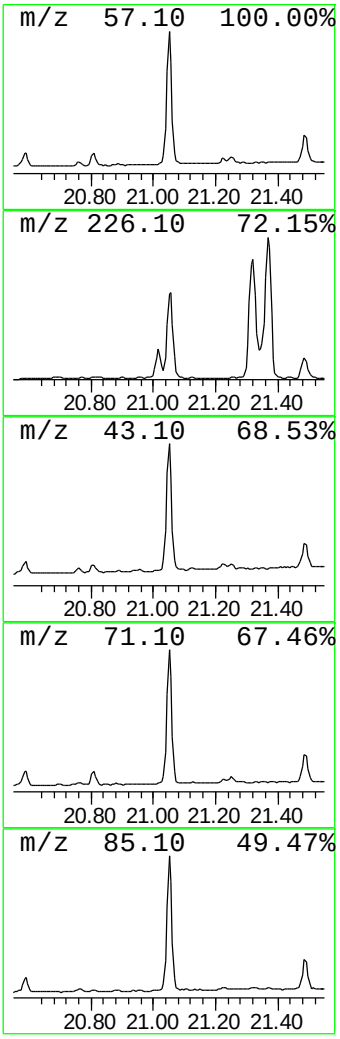
****

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	12.69 ng/ul	4584850	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	70
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	60
3	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	58
4	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	58
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

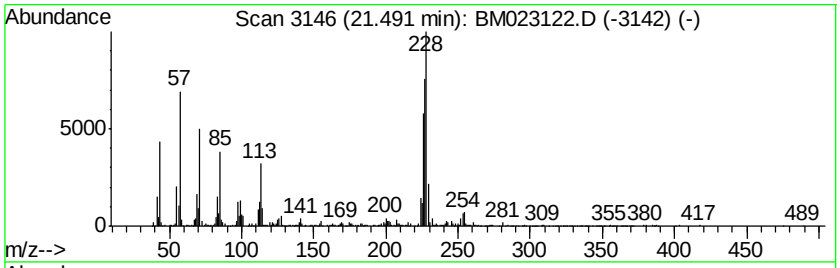
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

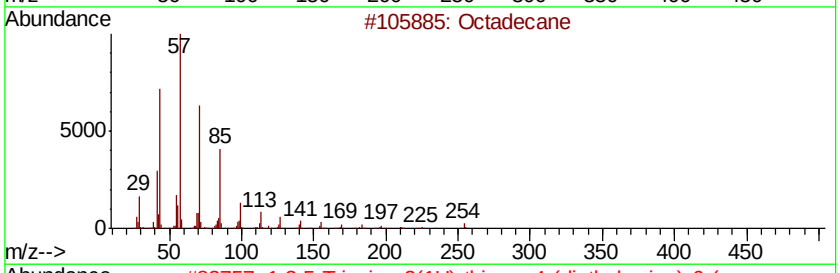
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

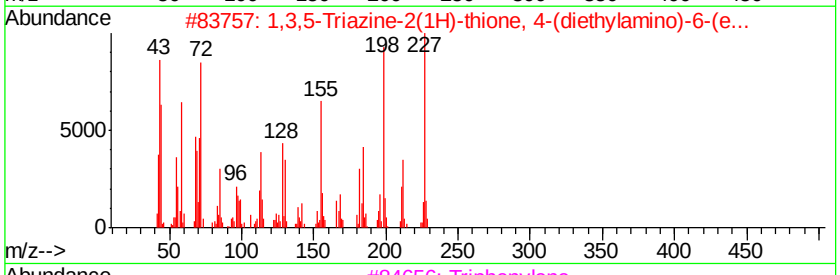
****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 29

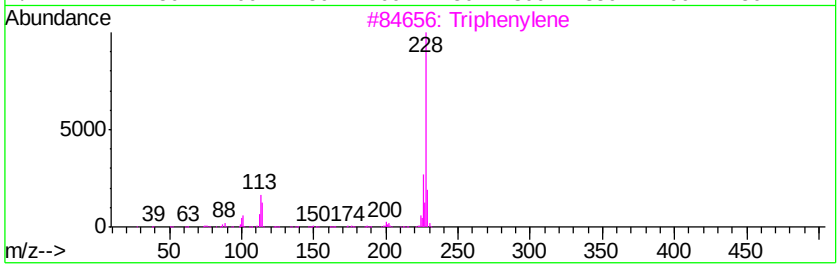
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	3.14 ng/ul	1134980	Chrysene-d12	21.33

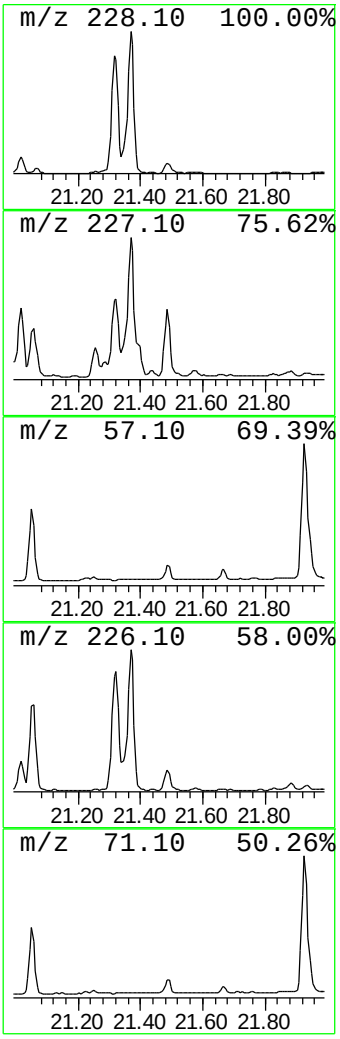
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	86
3	Triphenylene	228	C18H12	000217-59-4	46
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	45
5	Octadecane	254	C18H38	000593-45-3	42











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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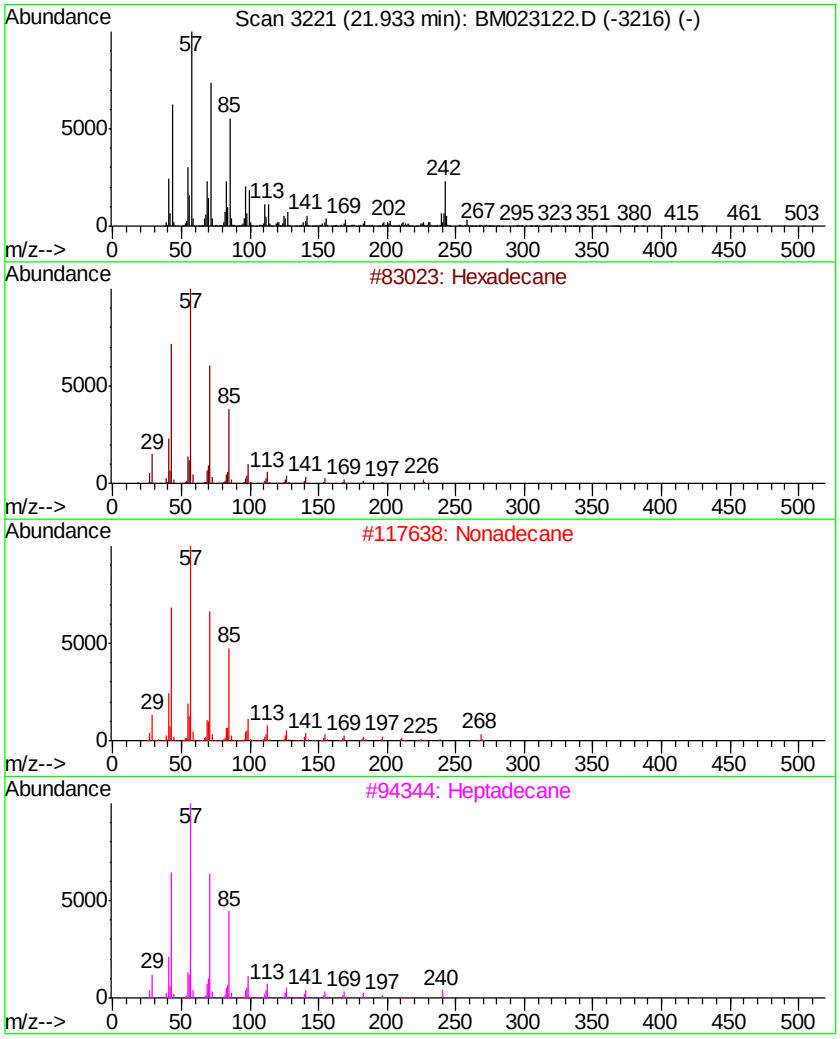
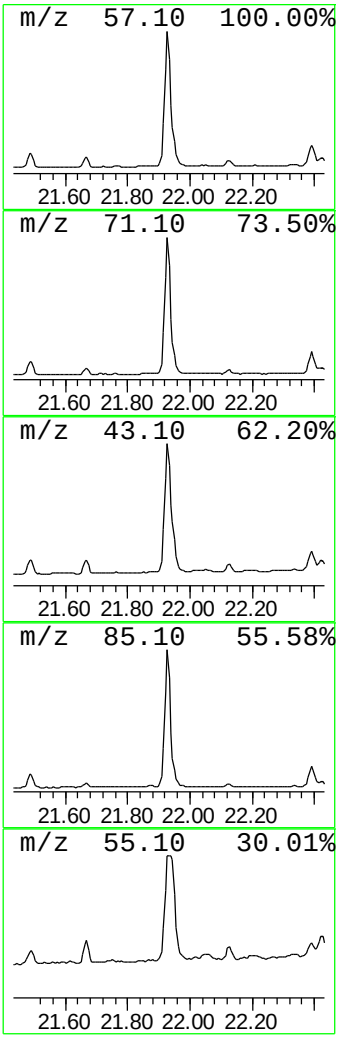
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	19.66 ng/ul	7104060	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Nonadecane	268	C19H40	000629-92-5	94
3	Heptadecane	240	C17H36	000629-78-7	94
4	Heptadecane	240	C17H36	000629-78-7	94
5	Hexadecane	226	C16H34	000544-76-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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
3-Penten-2-ol	3.03	2.3	ng/ul	123219	1	7.77	1077690	20.0
Naphthalene, 1-me...	12.44	2.6	ng/ul	185977	2	10.56	1444890	20.0
Naphthalene, 1,6-...	13.73	2.1	ng/ul	174943	3	14.40	1659060	20.0
Dibenzofuran, 4-m...	15.89	2.0	ng/ul	183356	4	17.14	1807410	20.0
1(2H)-Acenaphthyl...	16.12	2.7	ng/ul	244406	4	17.14	1807410	20.0
9H-Fluoren-9-one	16.80	5.0	ng/ul	452634	4	17.14	1807410	20.0
Anthracene, 1,2,3...	16.90	3.9	ng/ul	354928	4	17.14	1807410	20.0
Dibenzothiophene	16.96	2.4	ng/ul	212148	4	17.14	1807410	20.0
Acridine	17.34	4.3	ng/ul	390835	4	17.14	1807410	20.0
Anthracene, 9-met...	18.02	7.5	ng/ul	680914	4	17.14	1807410	20.0
Anthracene, 2-met...	18.15	4.1	ng/ul	369906	4	17.14	1807410	20.0
4H-Cyclopenta[def...	18.22	14.1	ng/ul	1270780	4	17.14	1807410	20.0
Phenanthrene, 2-m...	18.25	7.6	ng/ul	688698	4	17.14	1807410	20.0
Naphthalene, 2-ph...	18.52	7.8	ng/ul	702010	4	17.14	1807410	20.0
9,10-Anthracenedione	18.56	15.8	ng/ul	1429820	4	17.14	1807410	20.0
unknown-01	18.72	3.5	ng/ul	315113	4	17.14	1807410	20.0
Anthracene, 2-ethyl-	18.77	4.1	ng/ul	367662	4	17.14	1807410	20.0
Naphthalic anhydride	18.94	4.7	ng/ul	426363	4	17.14	1807410	20.0
Naphthalene, 1,2-...	19.03	3.5	ng/ul	318466	4	17.14	1807410	20.0
Cyclopenta(def)ph...	19.08	6.8	ng/ul	611497	4	17.14	1807410	20.0
Naphtho(2,1,8-def...	19.81	2.3	ng/ul	825969	5	21.33	7228220	20.0
Pyrene, 1-methyl-	19.89	3.3	ng/ul	1176500	5	21.33	7228220	20.0
11H-Benzo[a]fluorene	20.06	2.5	ng/ul	887497	5	21.33	7228220	20.0
Pyrene, 2-methyl-	20.22	2.8	ng/ul	1001390	5	21.33	7228220	20.0
7H-Benz[de]anthra...	20.81	4.4	ng/ul	1590910	5	21.33	7228220	20.0
Cyclopenta(cd)pyr...	21.02	2.3	ng/ul	817329	5	21.33	7228220	20.0
(DEL) Alkane: Str...	21.05	12.7	ng/ul	4584850	5	21.33	7228220	20.0
(DEL) Alkane: Str...	21.49	3.1	ng/ul	1134980	5	21.33	7228220	20.0
(DEL) Alkane: Str...	21.93	19.7	ng/ul	7104060	5	21.33	7228220	20.0