LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020789.D
Acq On : 07 Jun 2019 06:38
Operator : HP/JU
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

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-BM060619MA.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	3.046	6	10	33	rVB	9533777	12215750	52.38%	3.774%
2	6.975	671	678	694	rVB	1174048	1923300	8.25%	0.594%
3	7.151	699	708	720	rBV	938597	1491365	6.40%	0.461%
4	7.345	734	741	749	rBV	1295948	2070258	8.88%	0.640%
5	7.810	810	820	827	rBV	1067094	1727068	7.41%	0.534%
6	8.510	932	939	946	rBV	1415846	2233219	9.58%	0.690%
7	8.975	1010	1018	1024	rBV	1190753	1995977	8.56%	0.617%
8	9.686	1132	1139	1151	rBV	1014611	1713327	7.35%	0.529%
9	10.222	1223	1230	1241	rVB	1610246	2624162	11.25%	0.811%
10	10.604	1280	1295	1300	rBV	1453839	2441314	10.47%	0.754%
11	10.745	1310	1319	1335	rBV	927790	1736629	7.45%	0.537%
12	13.863	1843	1849	1853	rVV	2803274	3874886	16.62%	1.197%
13	13.910	1853	1857	1865	rVB	713571	1019767	4.37%	0.315%
14	14.145	1890	1897	1912	rVB2	2922213	5049508	21.65%	1.560%
15	14.451	1937	1949	1955	rBV2	2127776	3295355	14.13%	1.018%
16	14.516	1955	1960	1967	rVB	509408	792720	3.40%	0.245%
17	14.645	1976	1982	1993	rBV	1012024	1554909	6.67%	0.480%
18	14.851	2012	2017	2024	rVV	319183	528167	2.26%	0.163%
19	15.445	2109	2118	2123	rVV	3789738	5584541	23.95%	1.725%
20	15.498	2123	2127	2134	rVV2	508602	814909	3.49%	0.252%
21	15.563	2134	2138	2145	rVV2	461743	755515	3.24%	0.233%
22	15.792	2172	2177	2184	rVB	231377	376671	1.62%	0.116%
23	15.939	2194	2202	2209	rVB	224811	497099	2.13%	0.154%
24	16.174	2235	2242	2247	rVB4	178251	363542	1.56%	0.112%
25	16.727	2328	2336	2339	rBV3	197440	395861	1.70%	0.122%
26	16.851	2352	2357	2364	rVB	473594	736259	3.16%	0.227%
27	16.927	2364	2370	2371	rBV	199974	293952	1.26%	0.091%
28	17.015	2380	2385	2392	rVB	378807	597608	2.56%	0.185%
29	17.198	2410	2416	2419	rVV	2611230	3865089	16.57%	1.194%
30	17.239	2419	2423	2428	rVV	7635795	10577470	45.36%	3.268%
31	17.298	2428	2433	2436	rVV	4410572	6467087	27.73%	1.998%
32	17.327	2436	2438	2443	rVV	1711652	2057563	8.82%	0.636%
33	17.386	2443	2448	2453	rVB3	221874	406073	1.74%	0.125%
34	17.598	2474	2484	2496	rBV2	828920	1800833	7.72%	0.556%

LSC Area Percent Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

35	17.715	2501	2504	2509	rVV2	213862	292426	1.25%	0.090%
36	17.774	2510	2514	2522	rVB4	254695	402777	1.73%	0.124%
37	18.074	2559	2565	2566	rVV	1572586	2296606	9.85%	0.710%
38	18.115	2569	2572	2578	rVV	2058217	2952320	12.66%	0.912%
39	18.198	2582	2586	2591	rVV	667128	968509	4.15%	0.299%
40	18.262	2591	2597	2601	rVV2	1854503	3503690	15.02%	1.082%
41	18.304	2601	2604	2609	rVB	960679	1292891	5.54%	0.399%
42	18.380	2613	2617	2620	rVV3	261553	381893	1.64%	0.118%
43	18.415	2620	2623	2627	rVV2	208711	290169	1.24%	0.090%
44	18.462	2627	2631	2636	rVV3	150133	264056	1.13%	0.082%
45	18.574	2645	2650	2653	rVV	1019204	1451895	6.23%	0.449%
46	18.615	2653	2657	2663	rVV	1139038	1574766	6.75%	0.487%
47	18.815	2687	2691	2695	rVV	477391	693340	2.97%	0.214%
48	18.868	2696	2700	2703	rVV	401112	567769	2.43%	0.175%
49	18.903	2703	2706	2710	rVB	412167	497445	2.13%	0.154%
50	18.986	2715	2720	2726	rVV	1046927	1983120	8.50%	0.613%
51	19.051	2727	2731	2734	rVV3	544298	1012220	4.34%	0.313%
52	19.080	2734	2736	2740	rVV	410339	483803	2.07%	0.149%
53	19.133	2740	2745	2752	rVB3	892872	1599961	6.86%	0.494%
54	19.256	2758	2766	2772	rBV	16224344	22028712	94.47%	6.805%
55	19.315	2772	2776	2779	rBV	298638	379458	1.63%	0.117%
56	19.362	2779	2784	2788	rBV3	887228	1377420	5.91%	0.426%
57	19.403	2788	2791	2794	rVB2	319175	379640	1.63%	0.117%
58	19.451	2794	2799	2802	rBV3	384442	632961	2.71%	0.196%
59	19.498	2803	2807	2810	rVB	374024	469054	2.01%	0.145%
60	19.592	2817	2823	2825	rBV2	7740040	12473372	53.49%	3.853%
61	19.621	2825	2828	2835	rVV	13930816	17924497	76.87%	5.538%
62	19.686	2835	2839	2845	rVB3	1019336	1503557	6.45%	0.465%
63	19.792	2853	2857	2863	rVB	786930	1141714	4.90%	0.353%
64	19.856	2863	2868	2872	rBV2	512626	828454	3.55%	0.256%
65	19.939	2876	2882	2883	rBV	1331752	2126164	9.12%	0.657%
66	20.074	2900	2905	2907	rBV4	854850	1593691	6.83%	0.492%
67	20.109	2907	2911	2916	rVB	2193204	3391082	14.54%	1.048%
68	20.209	2924	2928	2932	rBV	1310915	1555106	6.67%	0.480%
69	20.268	2932	2938	2942	rVV2	1465780	2529974	10.85%	0.782%
70	20.309	2942	2945	2948	rVB	556374	619477	2.66%	0.191%
71	20.350	2948	2952	2956	rBV2	358096	477435	2.05%	0.147%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : C0AB9

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-BM060619MA.M
Title : SVOA CALIBRATION

72	20.409	2958	2962	2965	rBV	1054792	1345246	5.77%	0.416%
73	20.456	2965	2970	2973	rBV2	996917	1417987	6.08%	0.438%
74	20.815	3028	3031	3034	rBV3	287652	423092	1.81%	0.131%
75	20.856	3034	3038	3044	rVB	2169074	2726064	11.69%	0.842%
76	21.021	3059	3066	3069	rBV2	1657385	3098520	13.29%	0.957%
77	21.062	3069	3073	3074	rBV	1441496	1625621	6.97%	0.502%
78	21.150	3084	3088	3099	rVB2	1941332	2940123	12.61%	0.908%
79	21.286	3108	3111	3115	rVB	1286542	1454664	6.24%	0.449%
80	21.362	3119	3124	3129	rVV3	12159675	21093985	90.46%	6.517%
81	21.415	3129	3133	3142	rVB	9389379	13155992	56.42%	4.064%
82	21.527	3148	3152	3158	rBV3	1429470	2466721	10.58%	0.762%
83	21.592	3159	3163	3166	rBV4	654387	1083932	4.65%	0.335%
84	21.692	3175	3180	3185	rBV3	1218726	2175984	9.33%	0.672%
85	21.739	3185	3188	3191	rVB2	457799	547342	2.35%	0.169%
86	21.933	3217	3221	3224	rVB	1474958	1840710	7.89%	0.569%
87	21.962	3224	3226	3227	rBV	620071	551273	2.36%	0.170%
88	22.133	3251	3255	3258	rBV	937521	1264530	5.42%	0.391%
89	22.233	3268	3272	3276	rBV3	767668	1347816	5.78%	0.416%
90	22.980	3390	3399	3404	rBV	8424492	23319291	100.00%	7.204%
91	23.144	3423	3427	3433	rVB	1529445	2525583	10.83%	0.780%
92	23.286	3447	3451	3459	rVB2	482045	1257459	5.39%	0.388%
93	23.468	3476	3482	3486	rBV	4056012	7554130	32.39%	2.334%
94	23.521	3486	3491	3495	rVV2	4818988	10054555	43.12%	3.106%
95	23.568	3495	3499	3506	rVB	7097223	12480497	53.52%	3.856%
96	23.662	3510	3515	3520	rVV	2237653	4512507	19.35%	1.394%
97	23.715	3520	3524	3532	rVB2	1991329	3927330	16.84%	1.213%
98	24.203	3602	3607	3616	rVB2	1659758	3579466	15.35%	1.106%
99	25.985	3901	3910	3922	rVB	3563572	10785021	46.25%	3.332%
100	26.697	4023	4031	4040	rBV	1818008	5316869	22.80%	1.643%

Sum of corrected areas: 323691487

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
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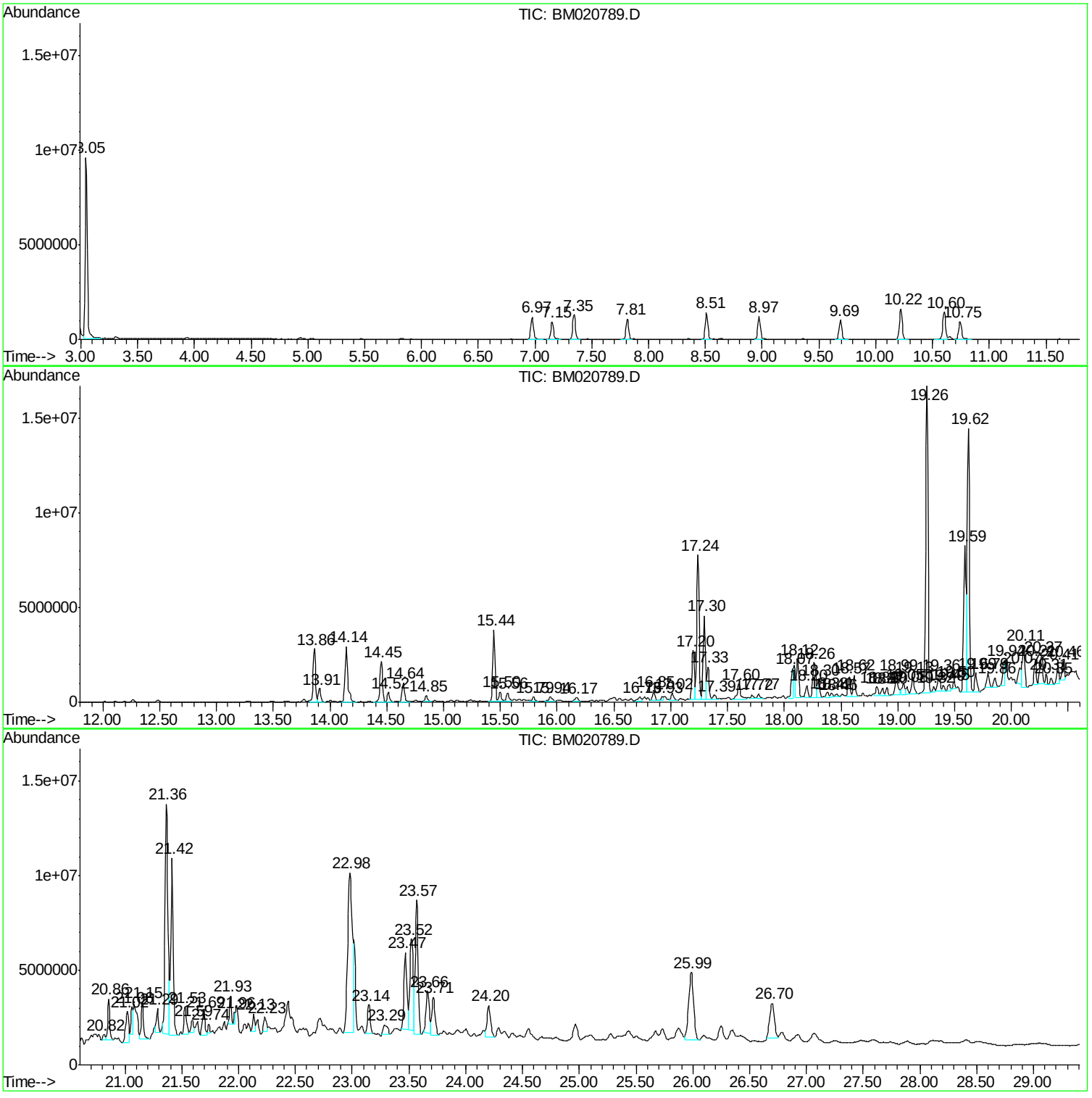
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020789.D
Acq On : 07 Jun 2019 06:38
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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB9

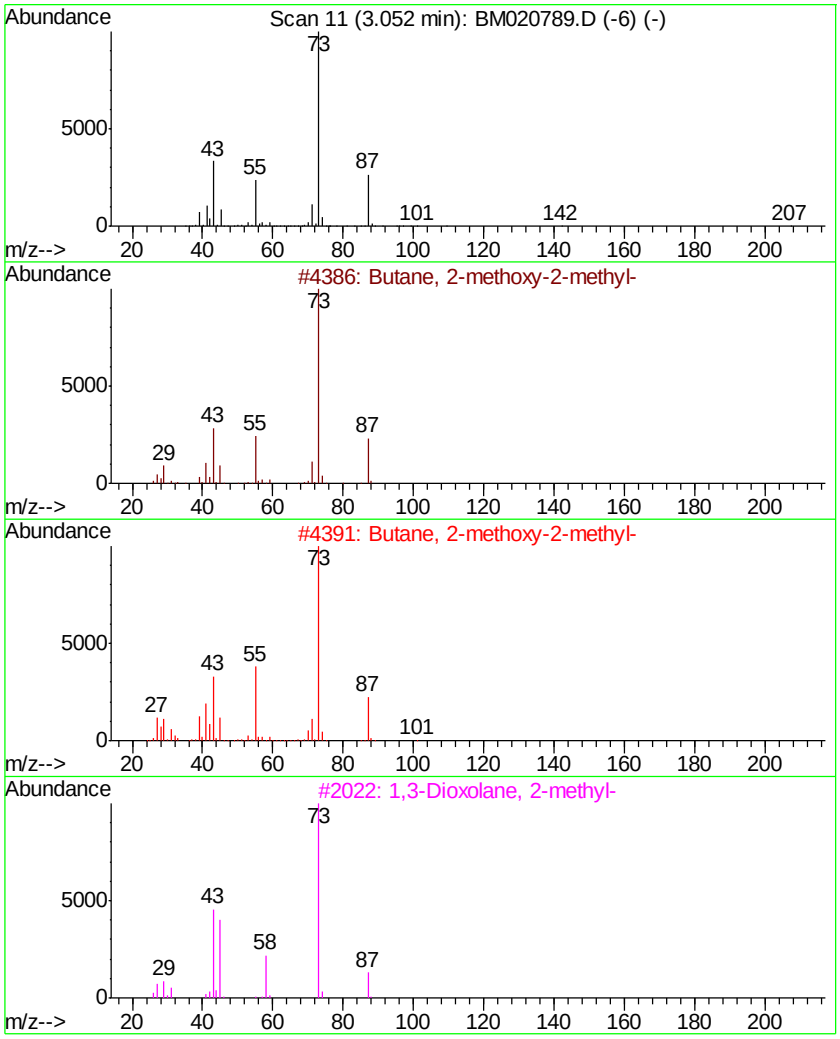
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

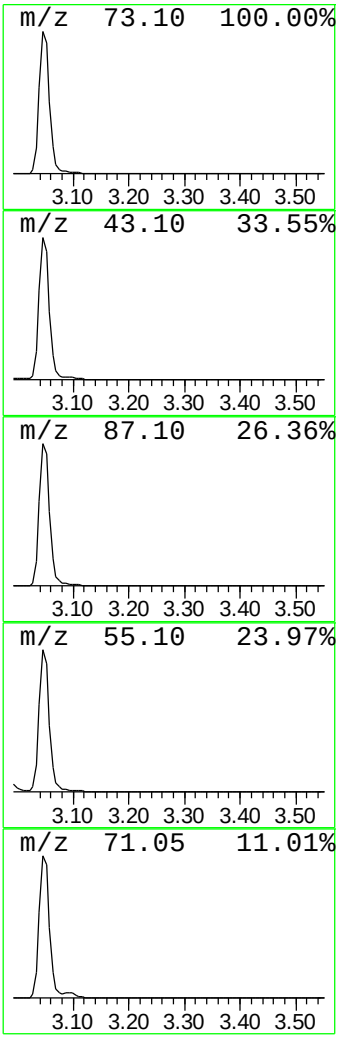
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	141.46 ng/ul	12215800	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

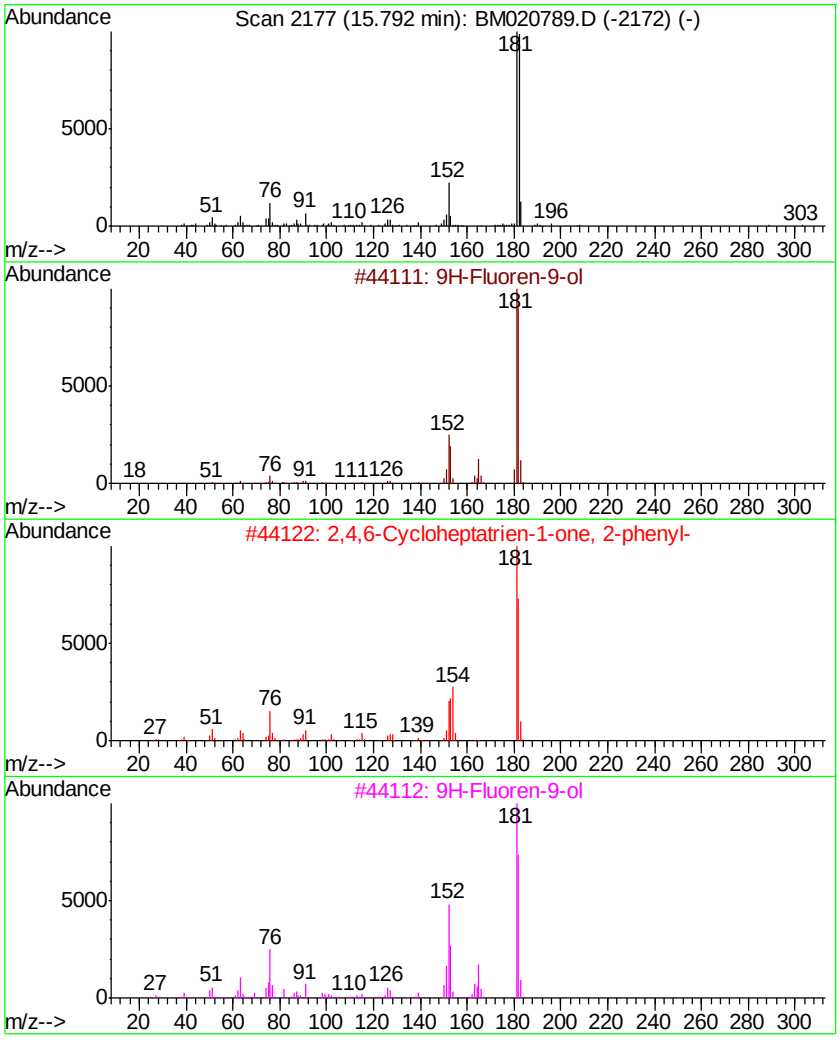
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

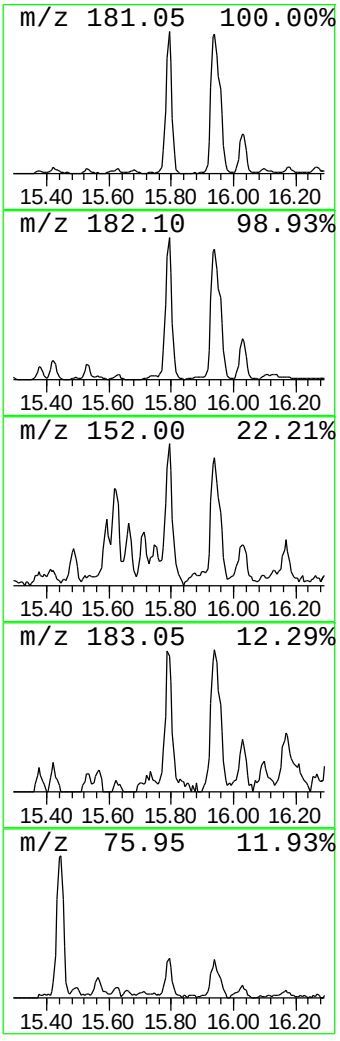
****

Peak Number 2 9H-Fluoren-9-ol Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.29 ng/ul	376671	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	9H-Xanthene	182	C13H10O	000092-83-1	60
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	56





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

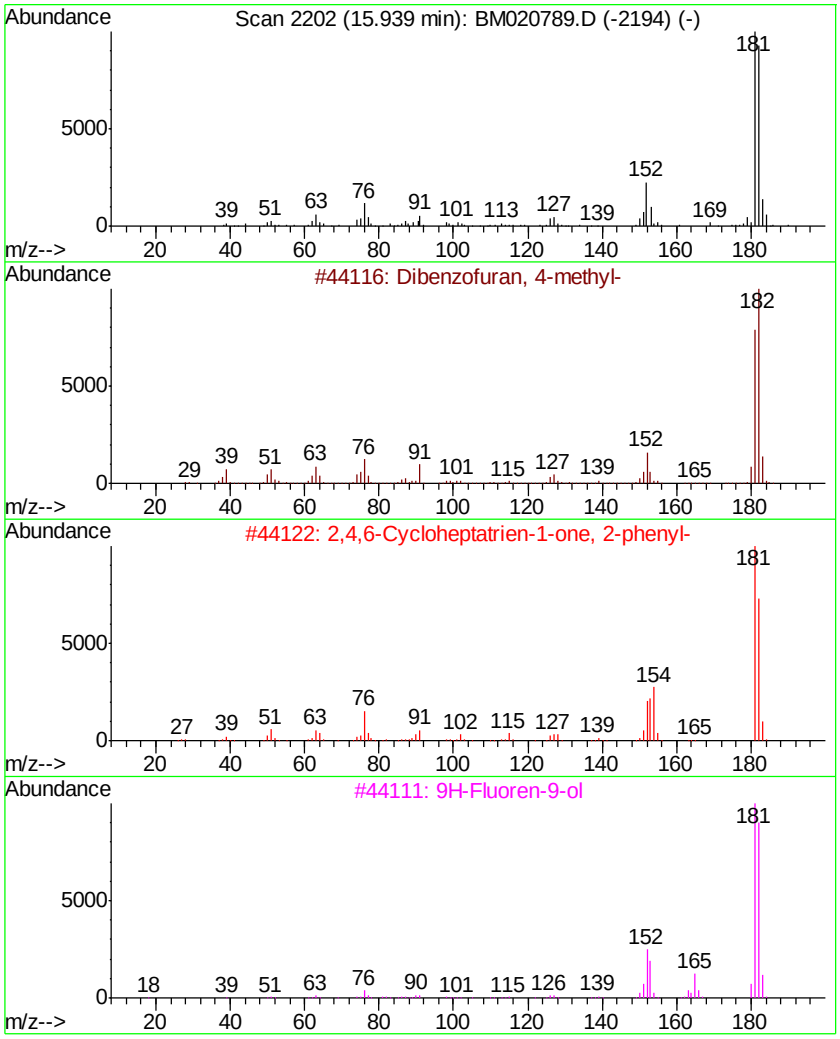
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

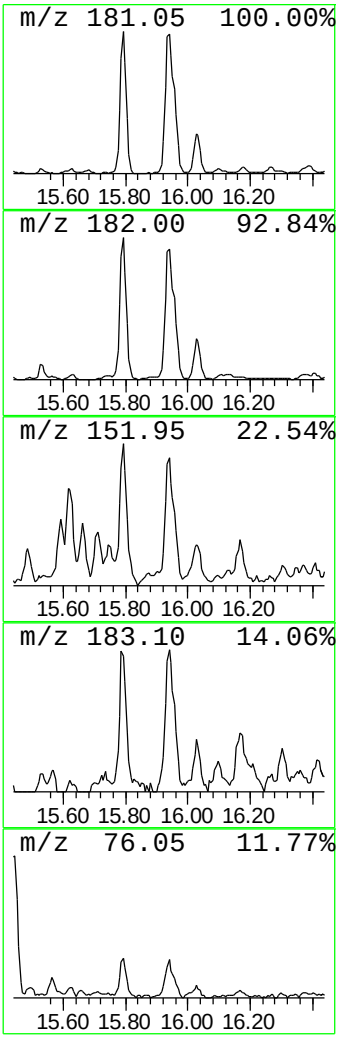
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	2.57 ng/ul	497099	Phenanthrene-d10	17.20

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	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

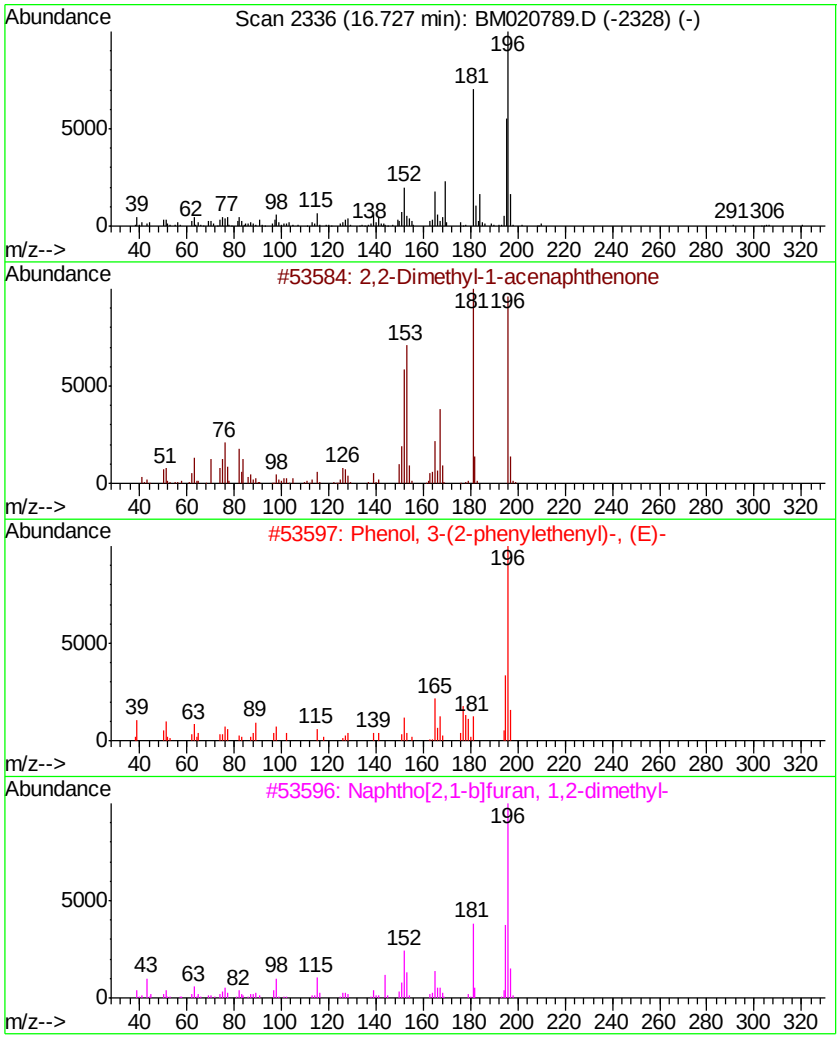
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

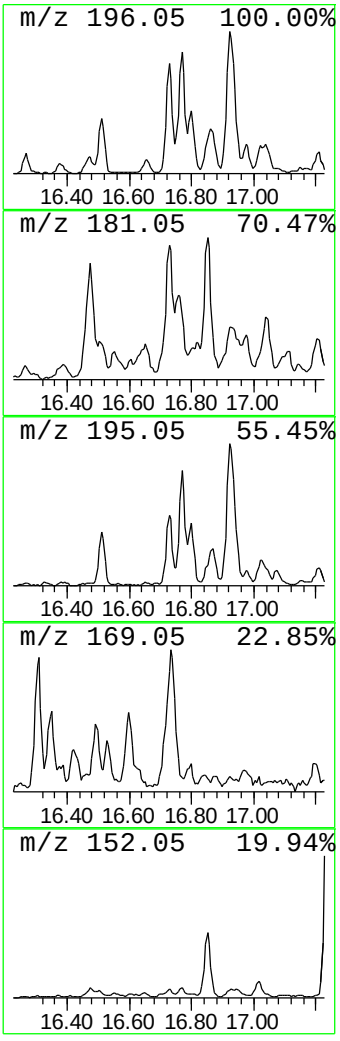
****

Peak Number 4 2,2-Dimethyl-1-acenaphthenone Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.05 ng/ul	395861	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	86
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
4	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46





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Sample : K3201-08
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

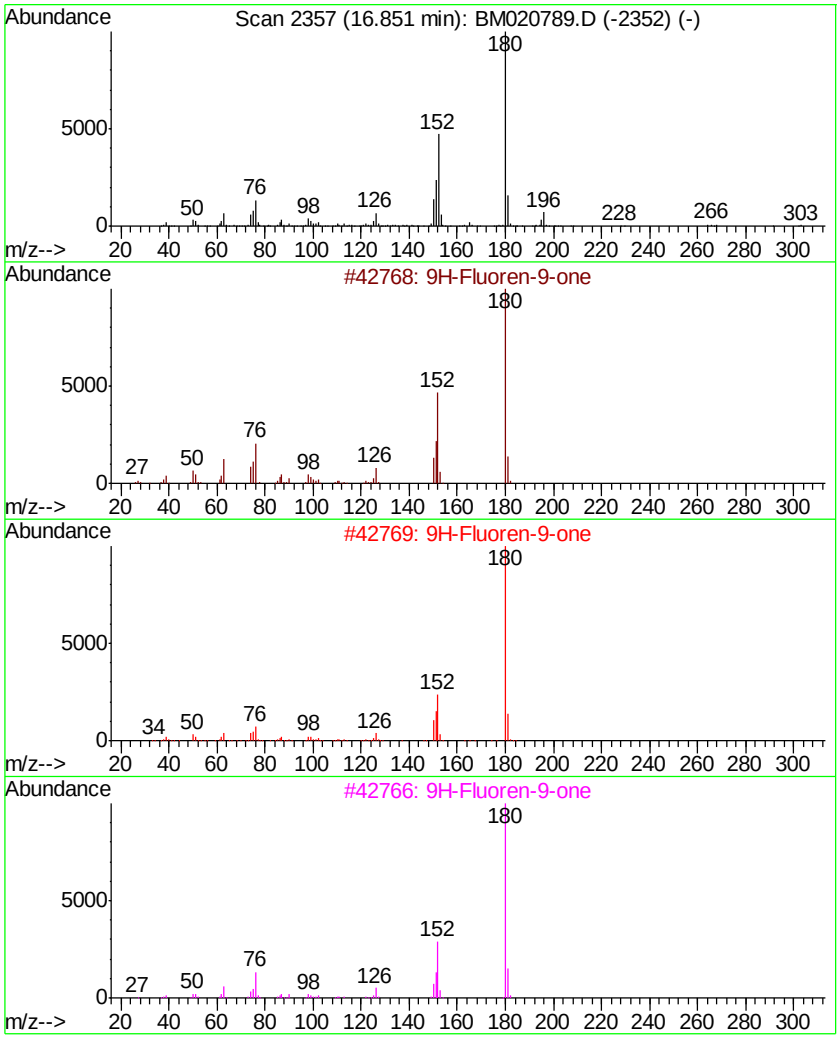
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

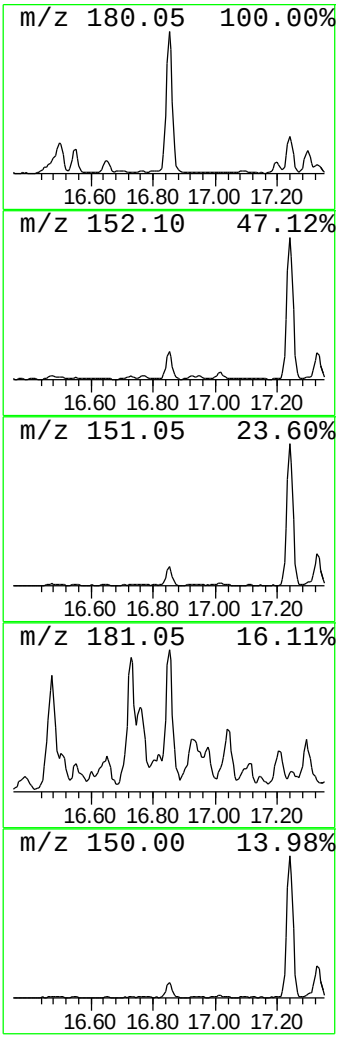
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.81 ng/ul	736259	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Operator : HP/JU
Sample : K3201-08
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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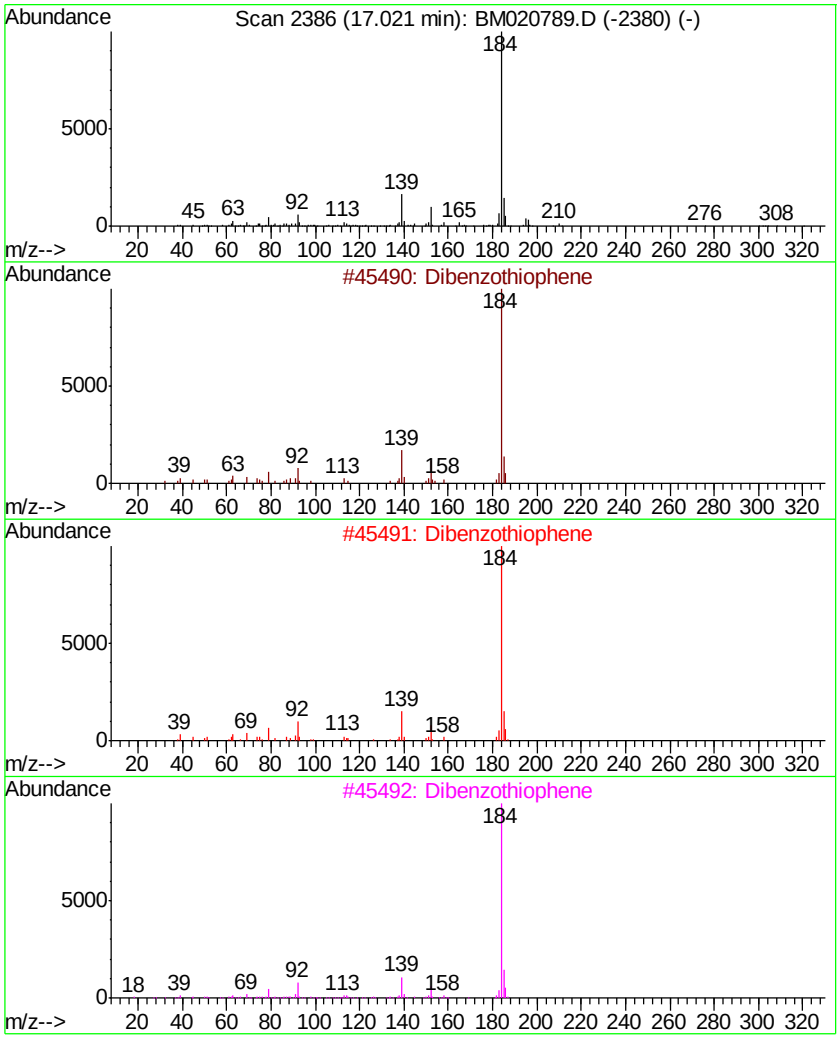
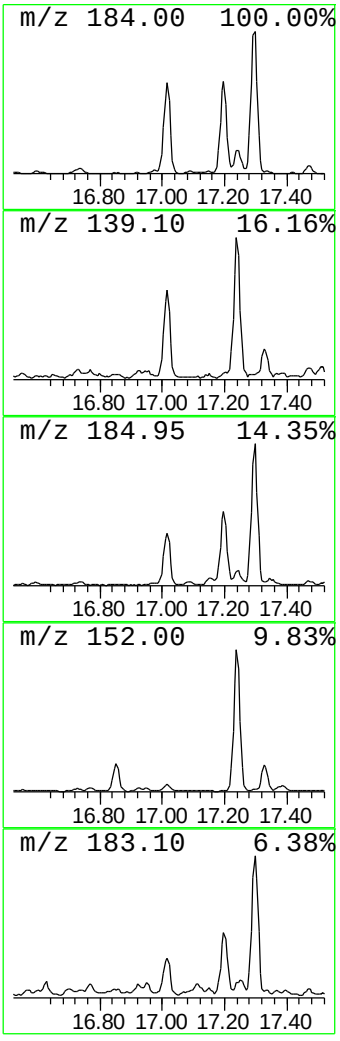
Peak Number 6 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.09 ng/ul	597608	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Instrument : BNA_M
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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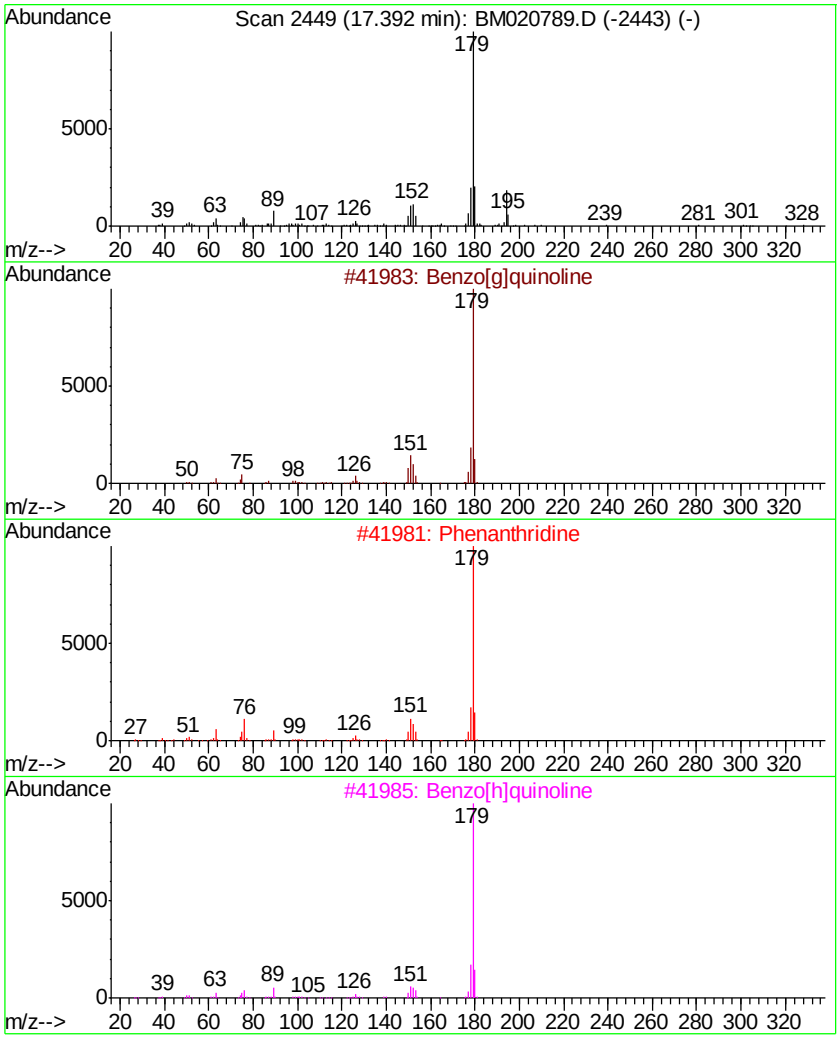
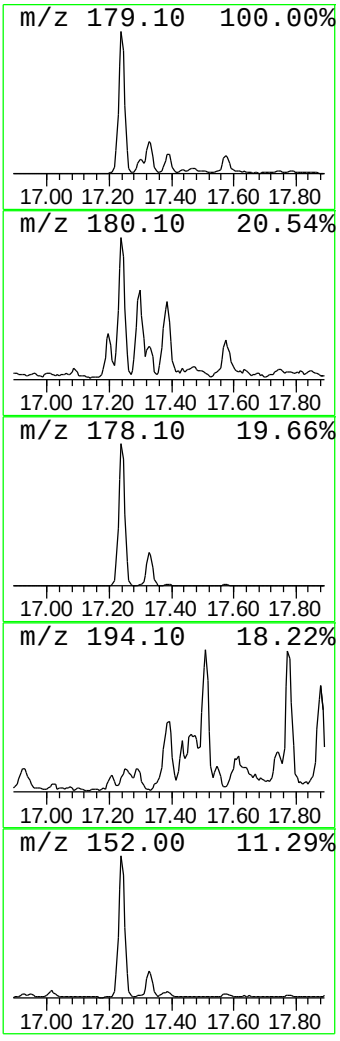
Peak Number 7 Benzo[g]quinoline Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	2.10 ng/ul	406073	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[g]quinoline	179	C13H9N	000260-36-6	91
2	Phenanthridine	179	C13H9N	000229-87-8	89
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	76
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	76
5	Acridine	179	C13H9N	000260-94-6	76





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Quant Title : SVOA CALIBRATION

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

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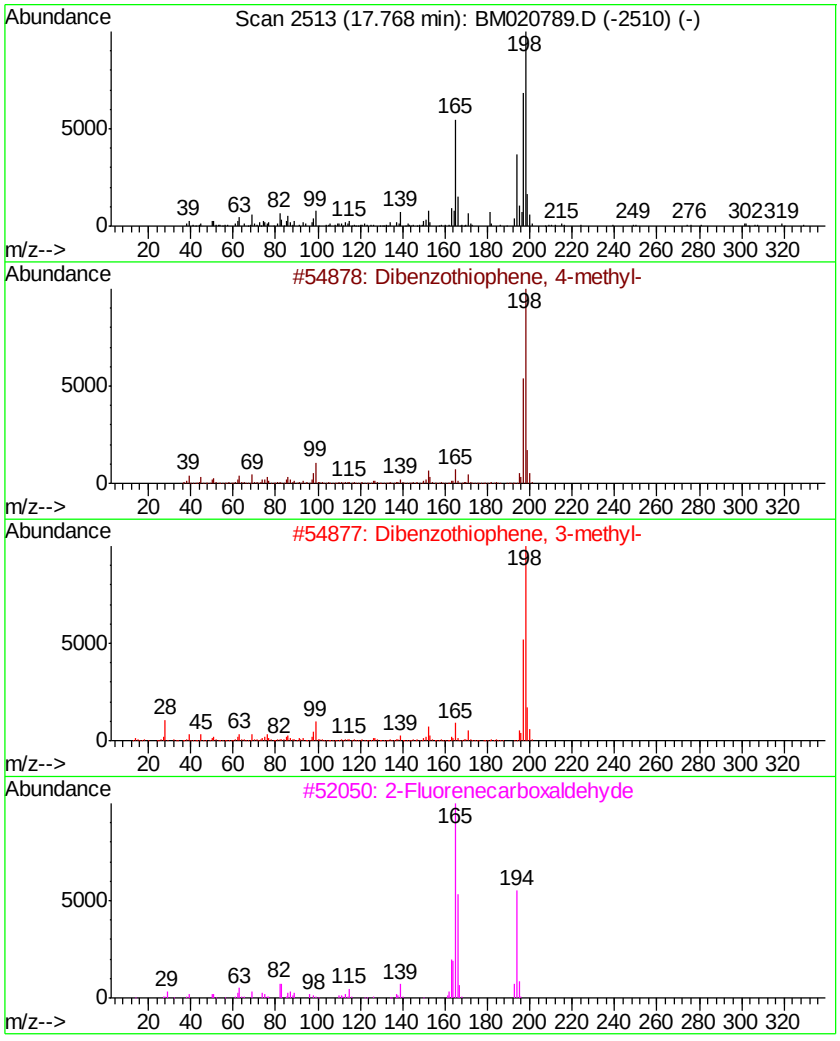
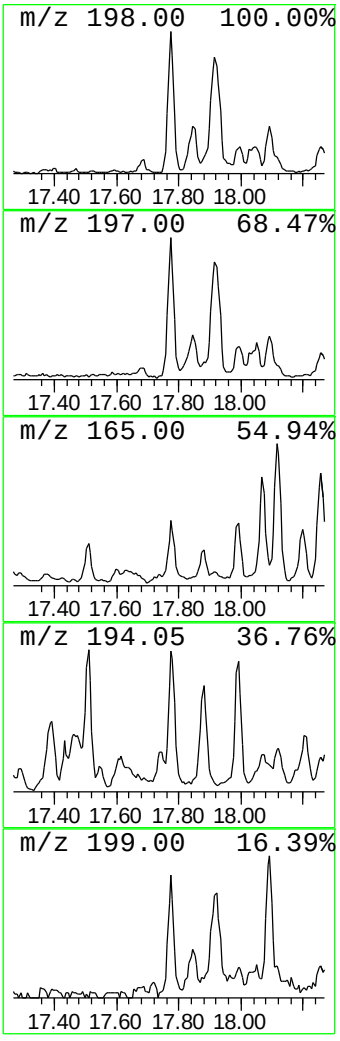
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.08 ng/ul	402777	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	53
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	53
3	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	51
4	Thioxanthene	198	C13H10S	000261-31-4	49
5	Thioxanthene	198	C13H10S	000261-31-4	43





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Quant Title : SVOA CALIBRATION

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

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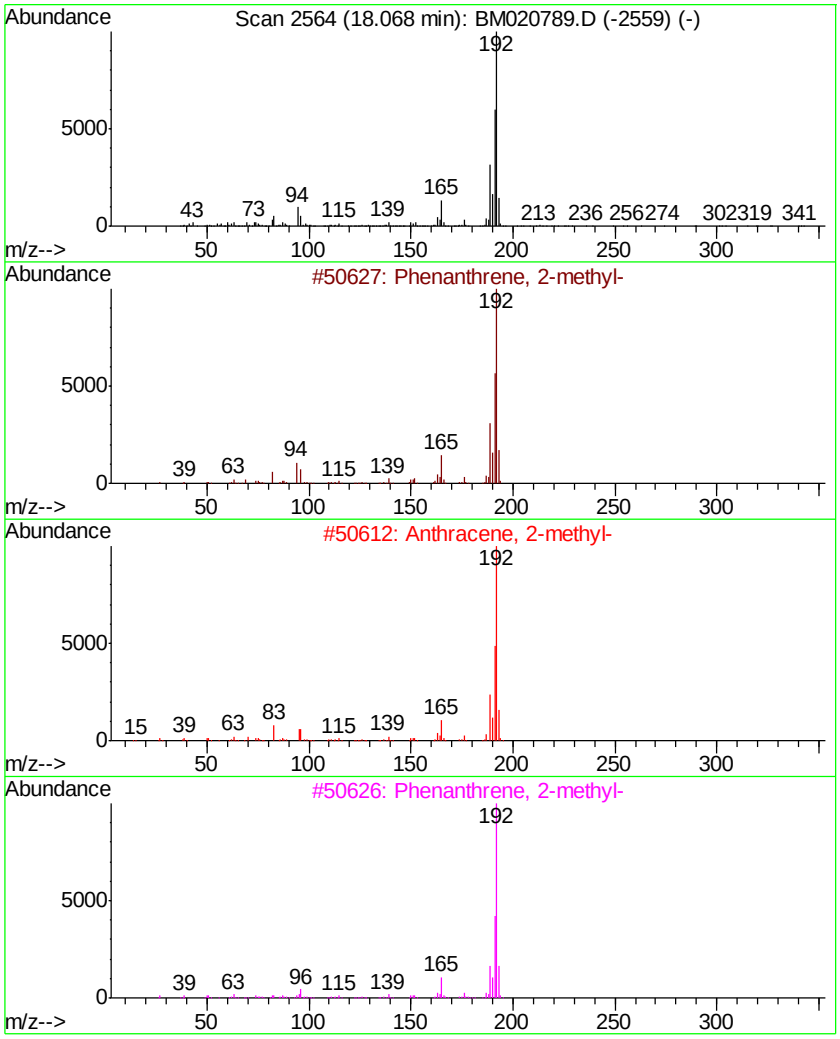
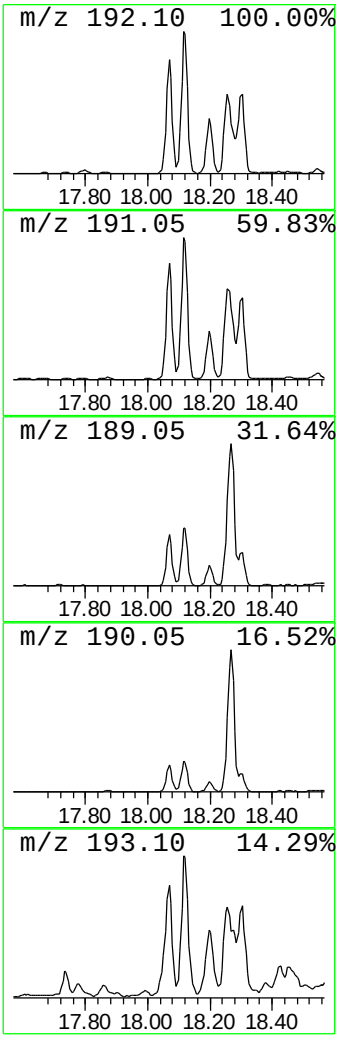
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	11.88 ng/ul	2296610	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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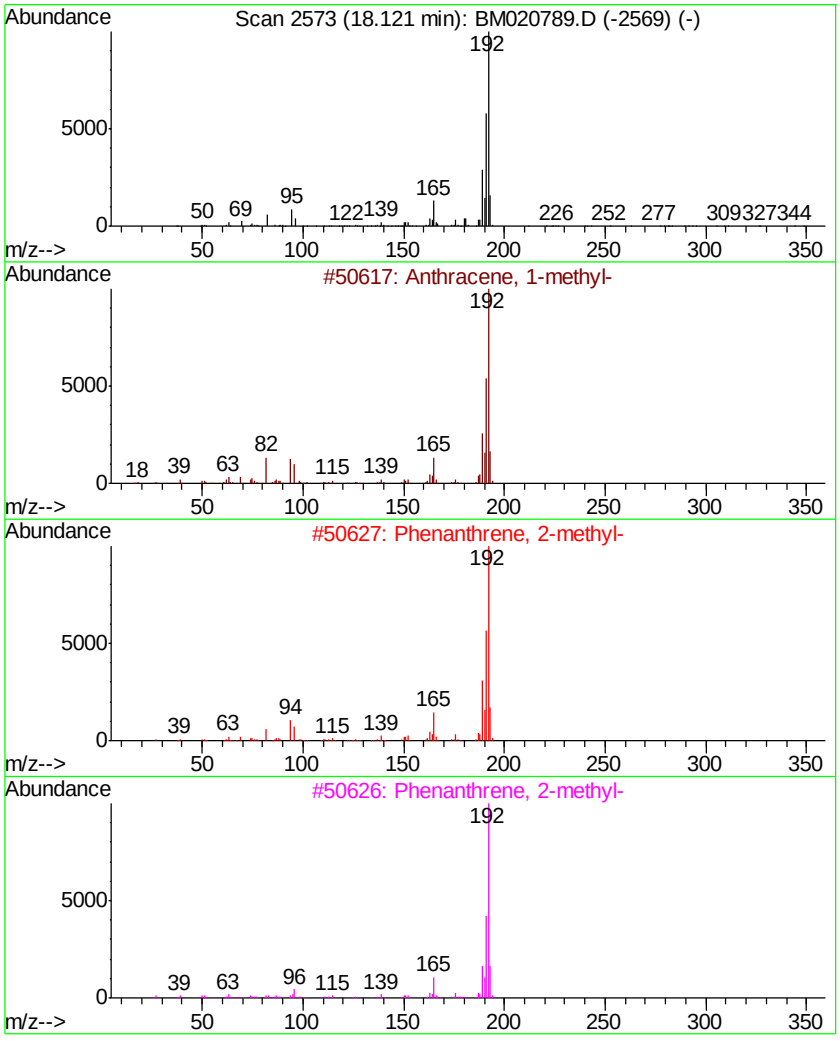
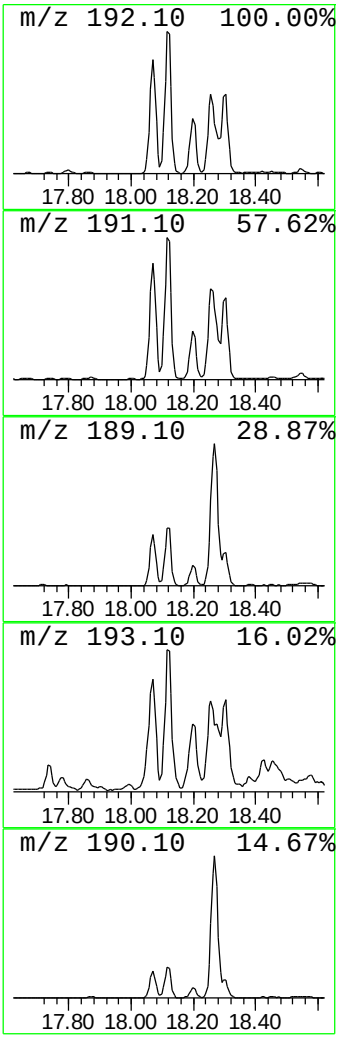
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	15.28 ng/ul	2952320	Phenanthrene-d10	17.20

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





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ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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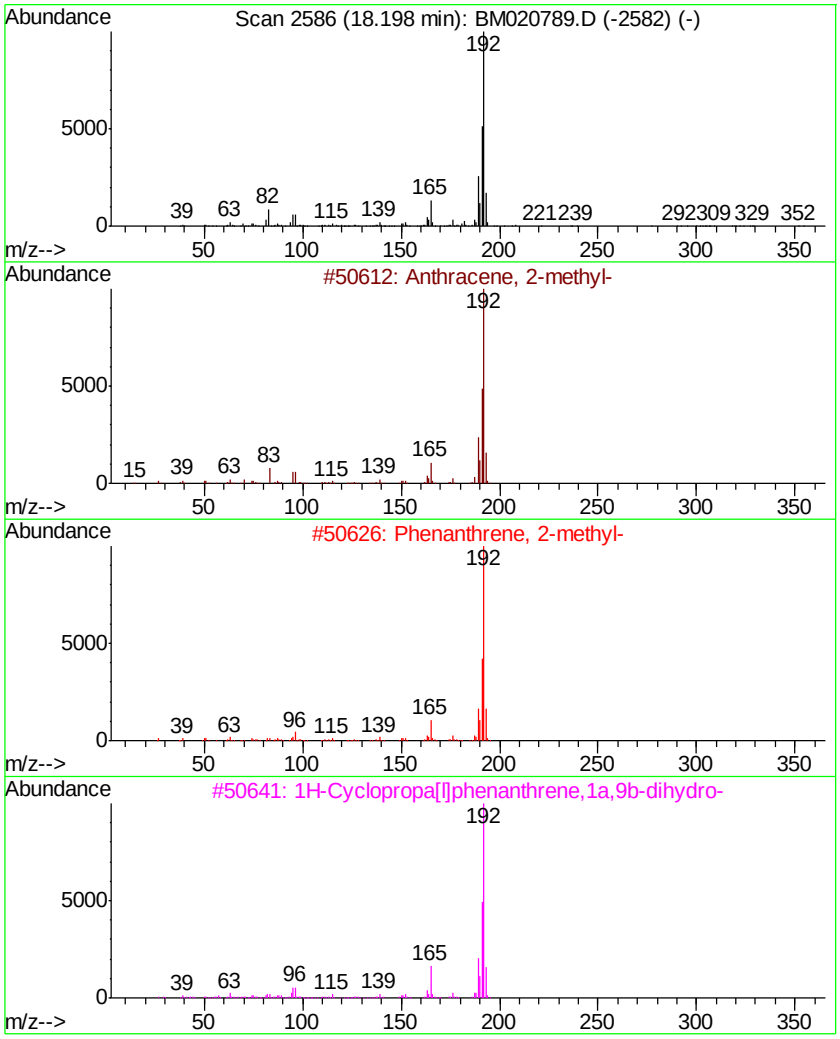
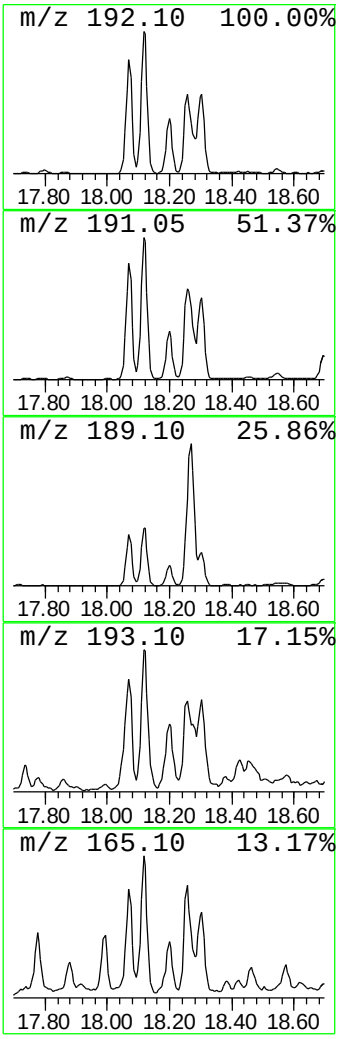
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	5.01 ng/ul	968509	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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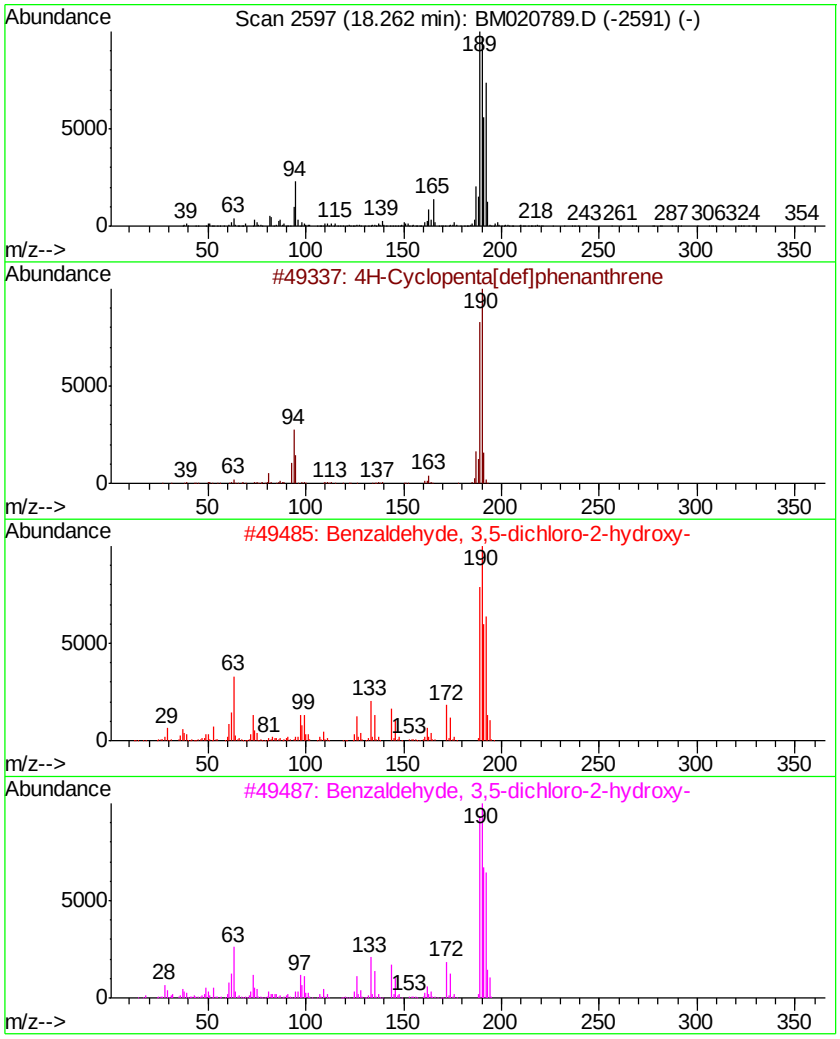
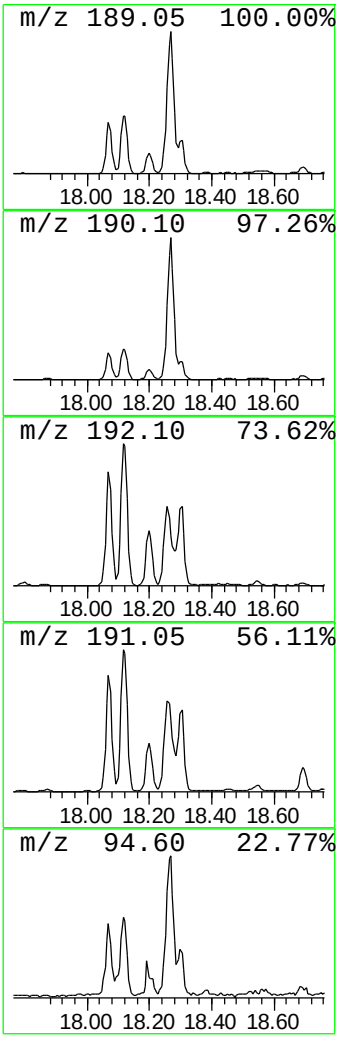
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	18.13 ng/ul	3503690	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45





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ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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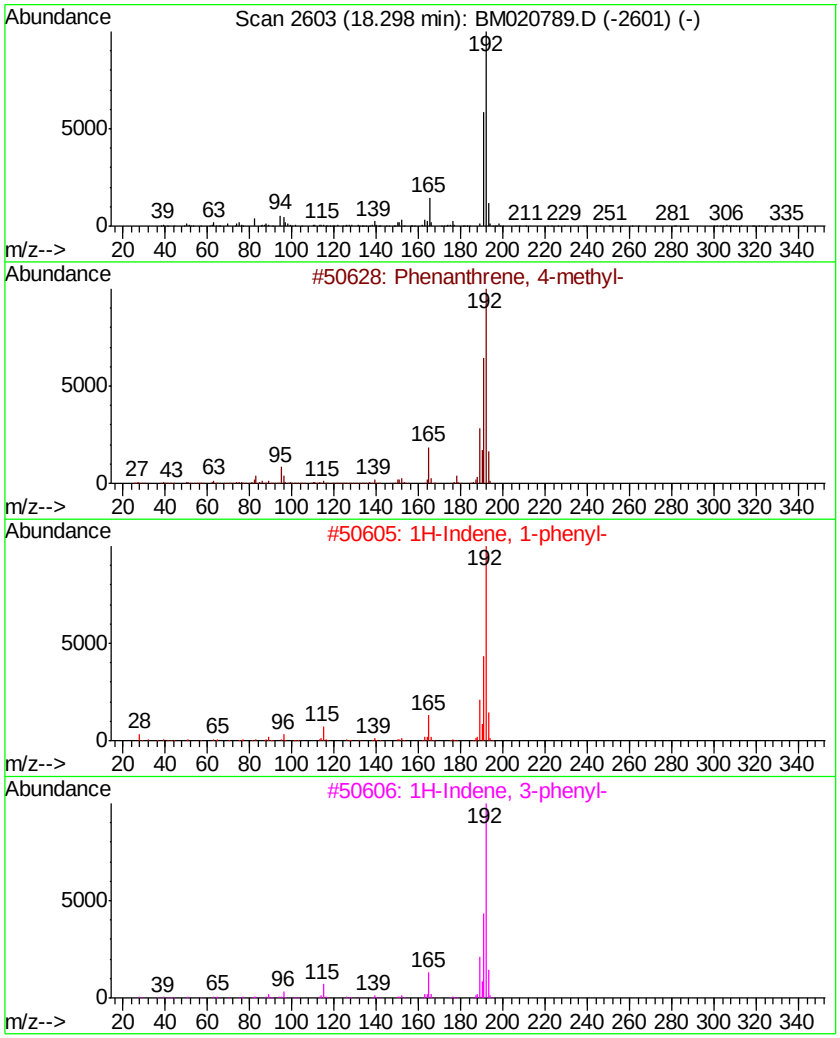
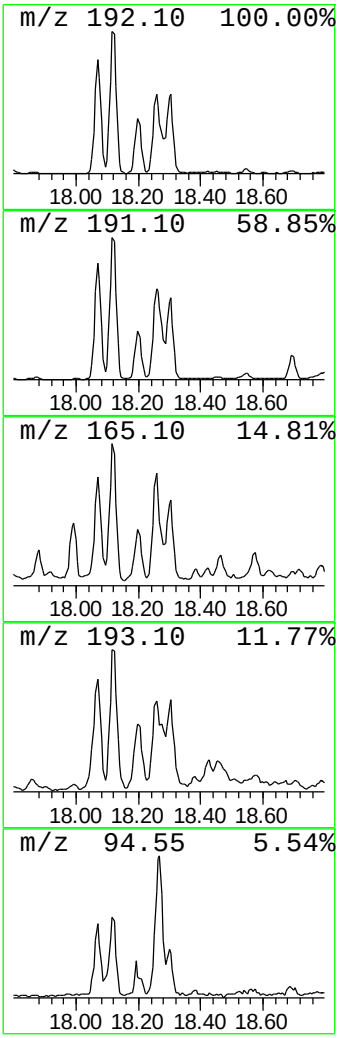
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	6.69 ng/ul	1292890	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	7.51 ng/ul	1451900	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
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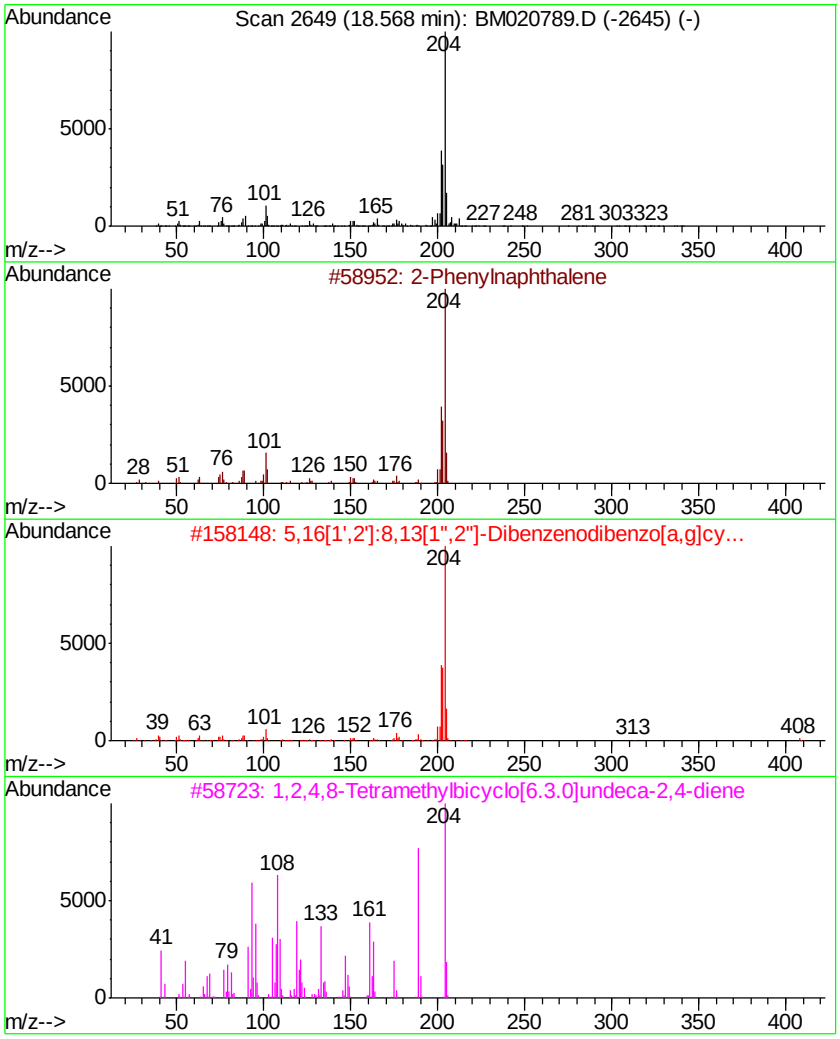

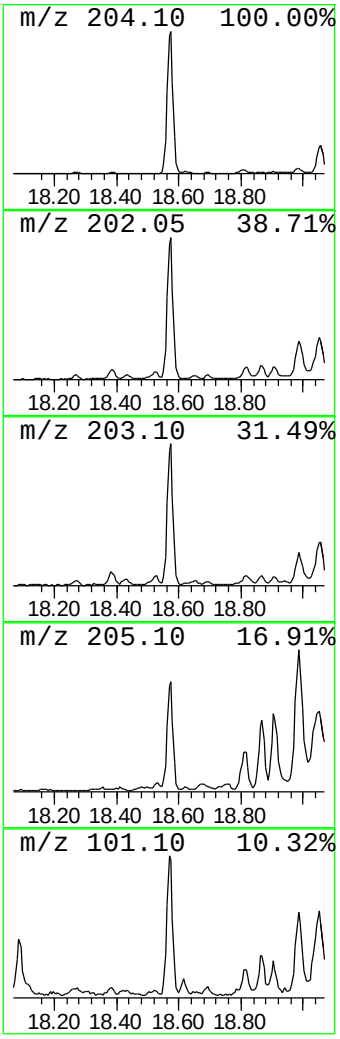

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Quant Title : SVOA CALIBRATION

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

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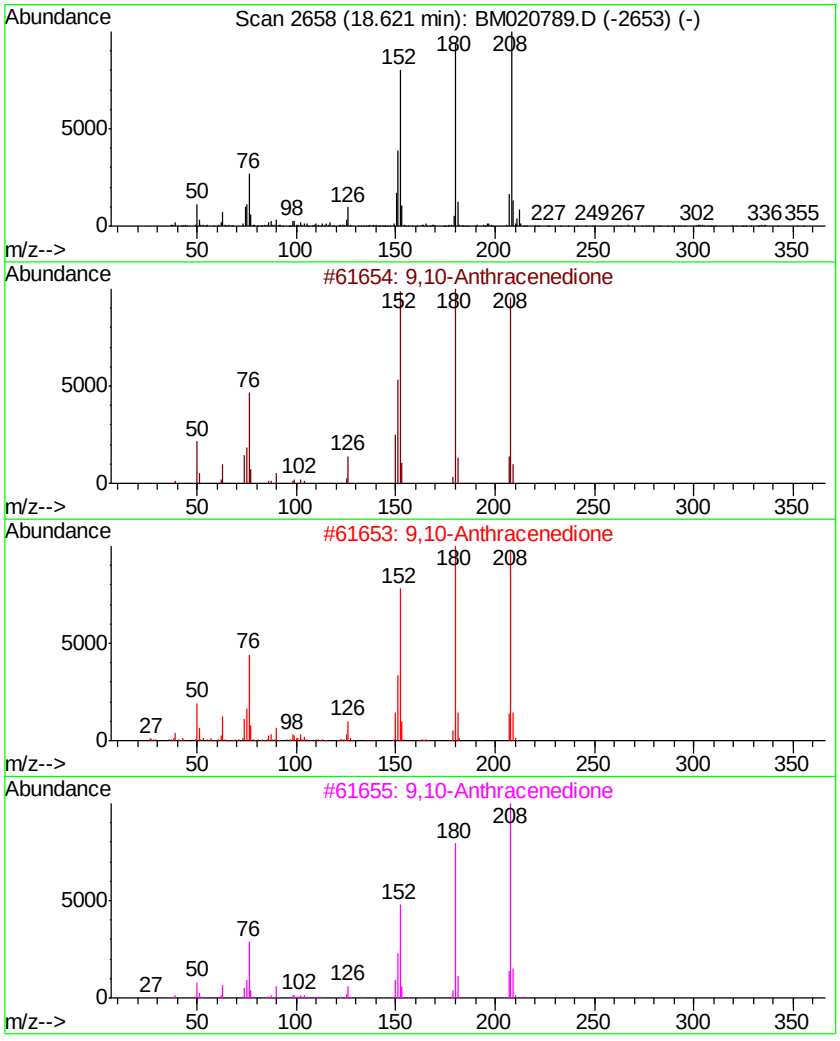
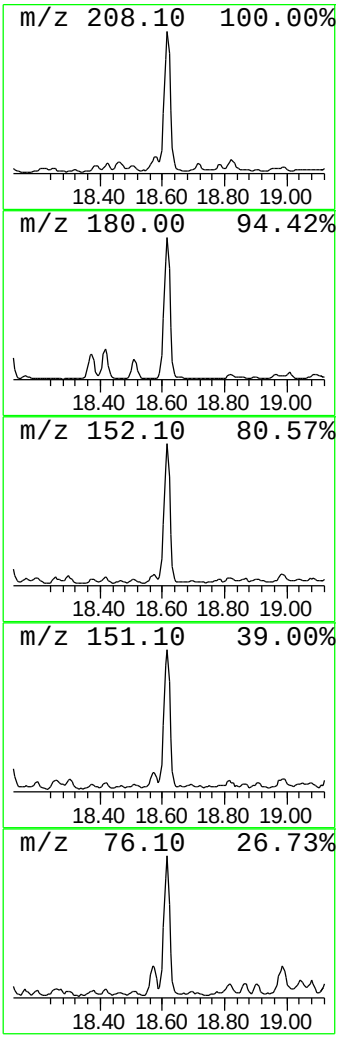
Peak Number 15 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	8.15 ng/ul	1574770	Phenanthrene-d10	17.20

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Quant Title : SVOA CALIBRATION

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

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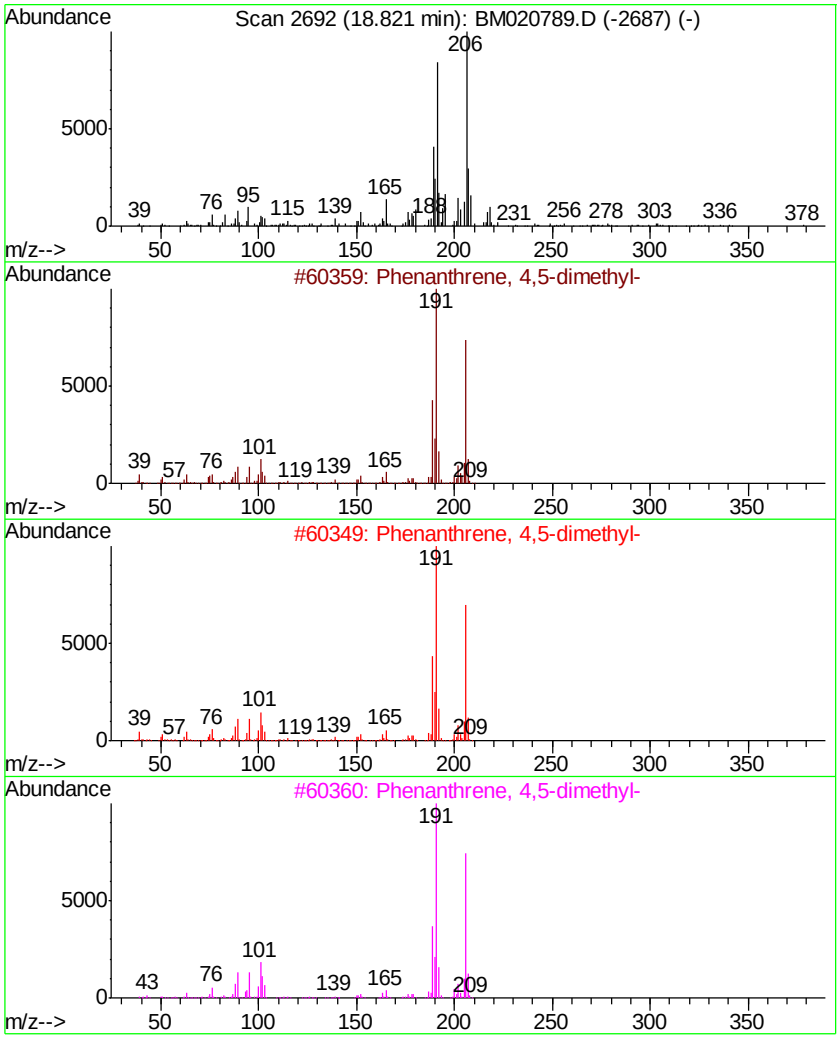
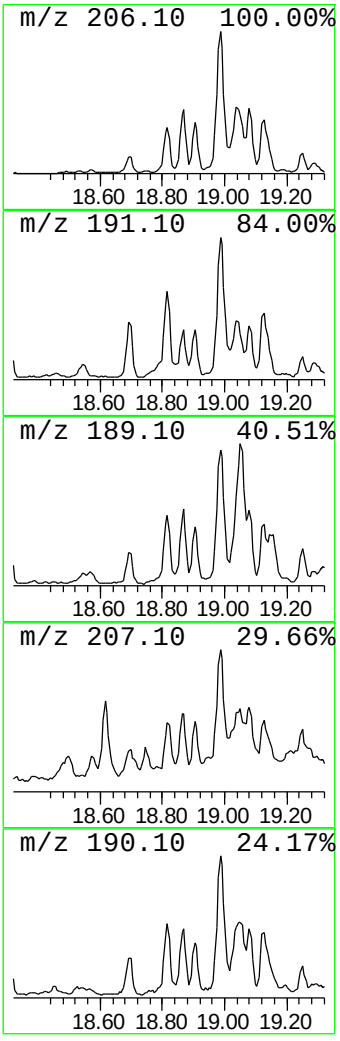
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.59 ng/ul	693340	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Quant Title : SVOA CALIBRATION

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

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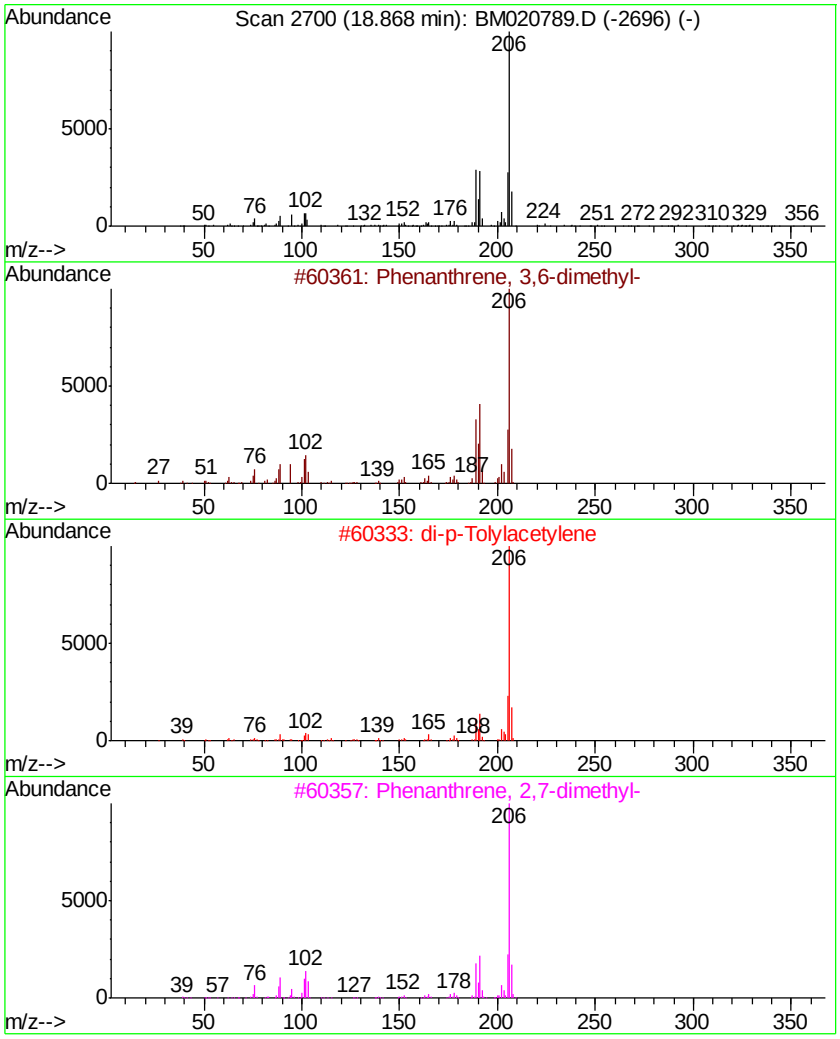
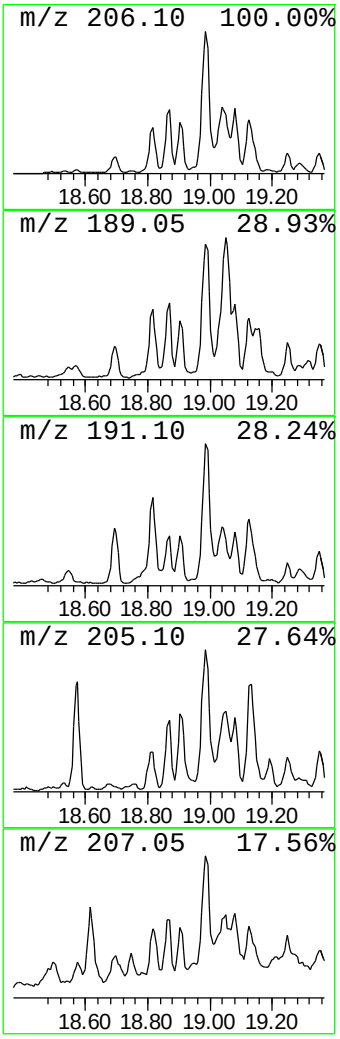
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.94 ng/ul	567769	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Acq On : 07 Jun 2019 06:38
Operator : HP/JU
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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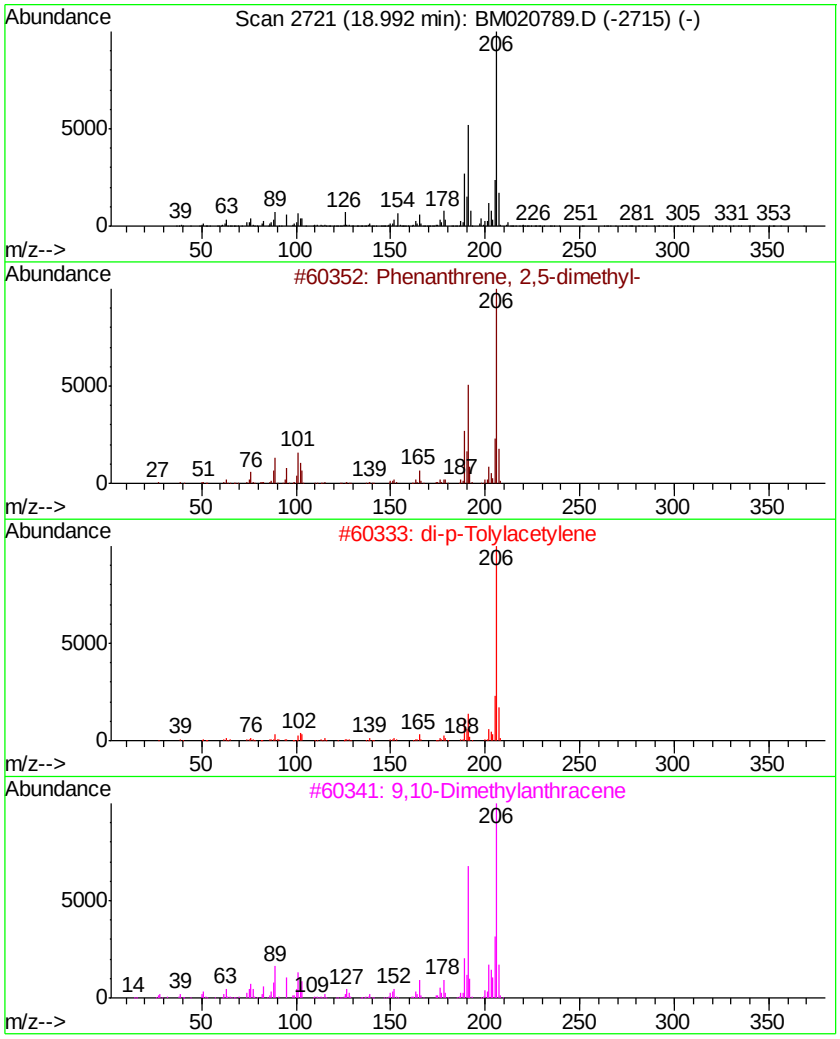
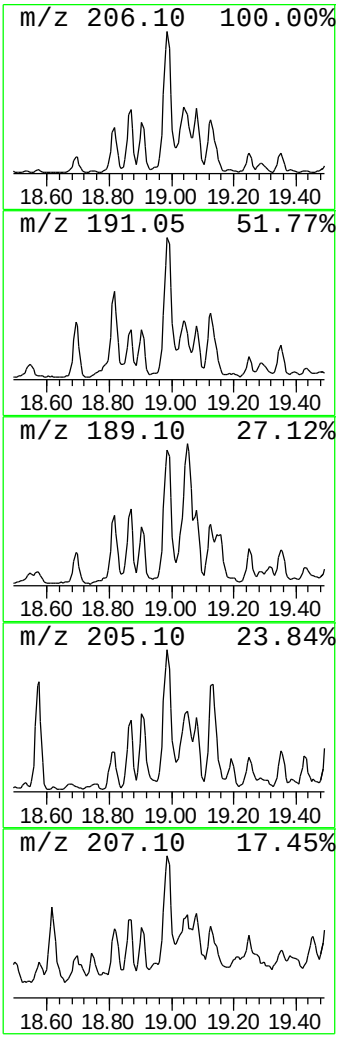
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	10.26 ng/ul	1983120	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Quant Title : SVOA CALIBRATION

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

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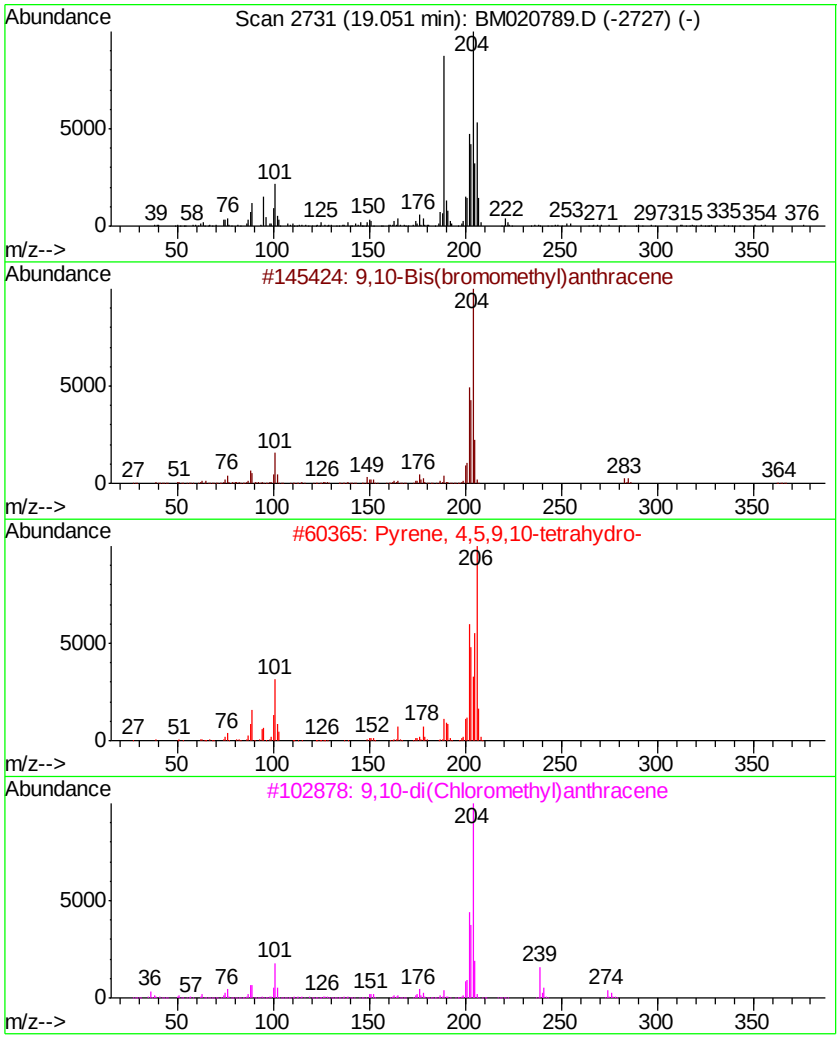
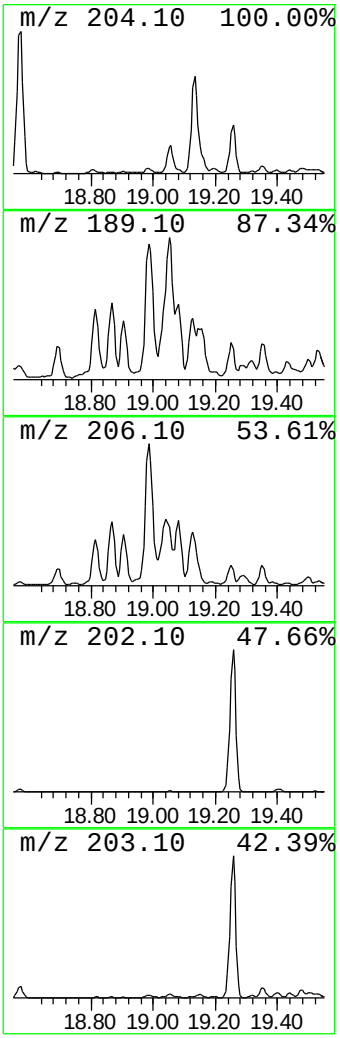
Peak Number 20 9,10-Bis(bromomethyl)anthra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	5.24 ng/ul	1012220	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	56
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	41
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30





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Quant Title : SVOA CALIBRATION

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

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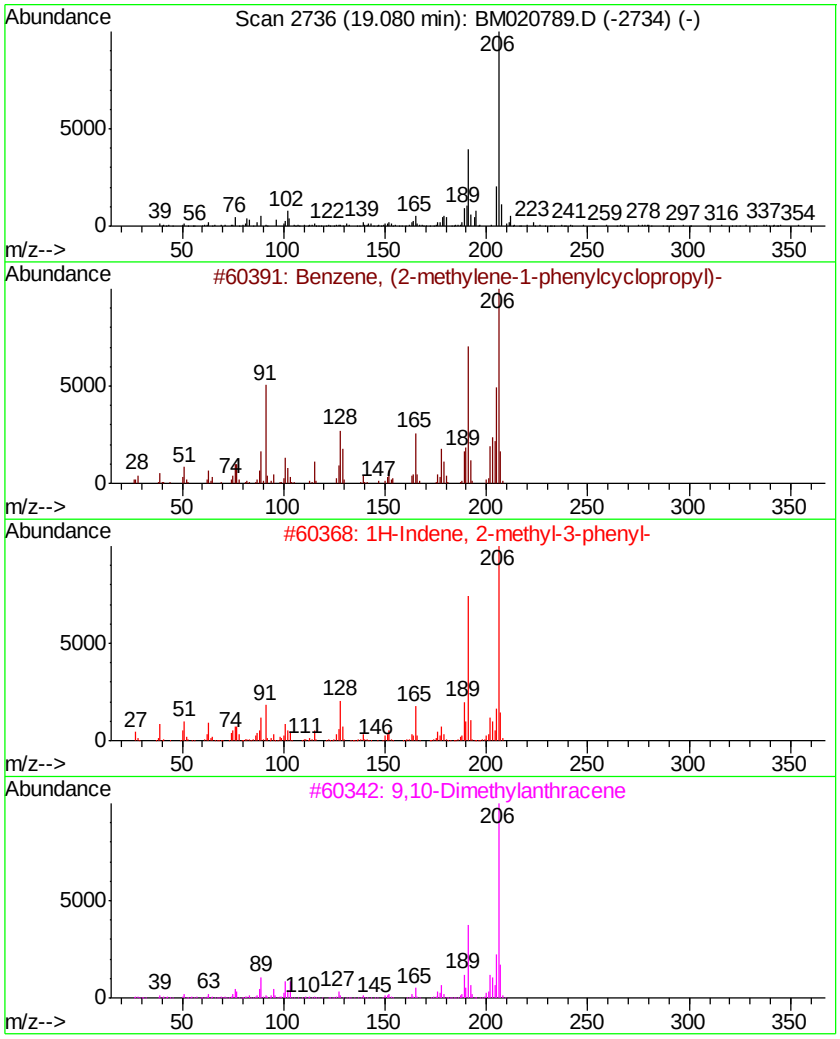
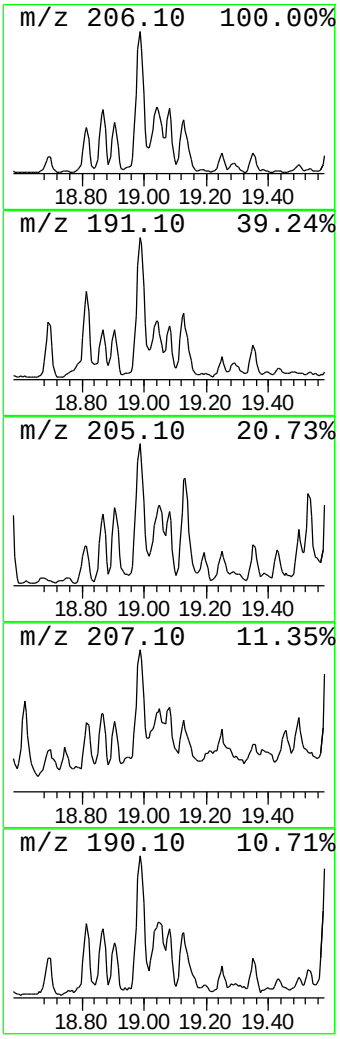
Peak Number 21 Benzene, (2-methylene-1-phe... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	2.50 ng/ul	483803	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	81
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	72
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	59





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ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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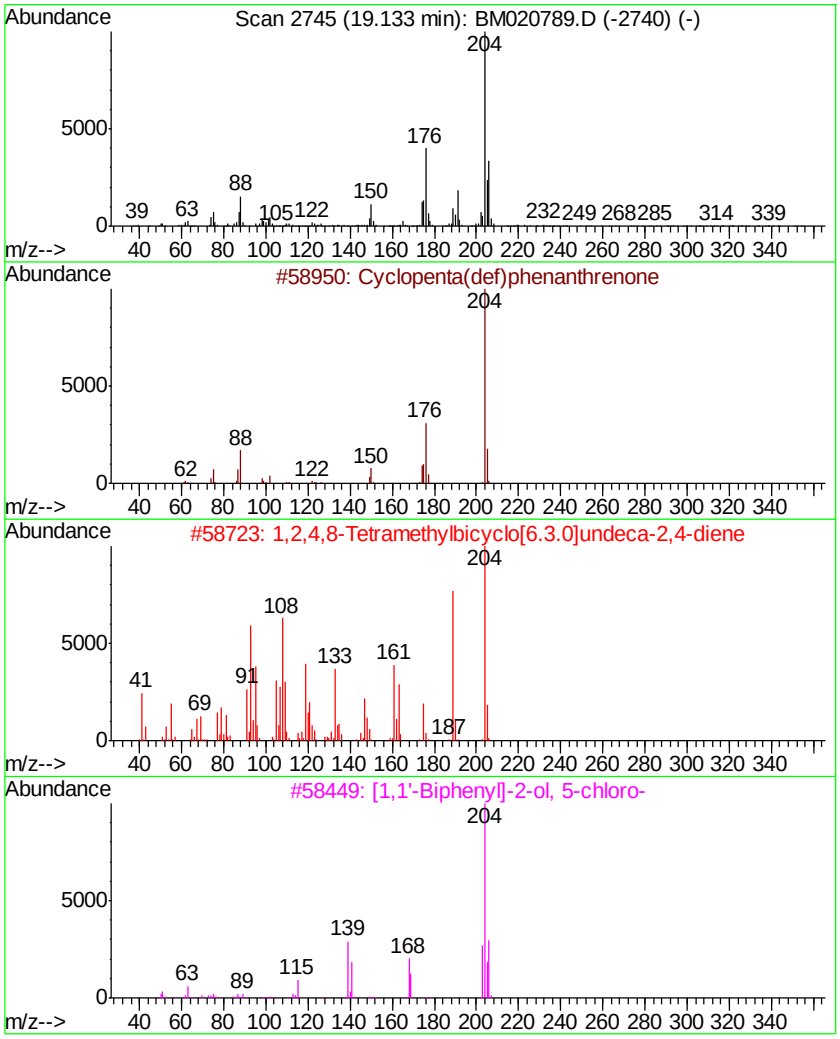
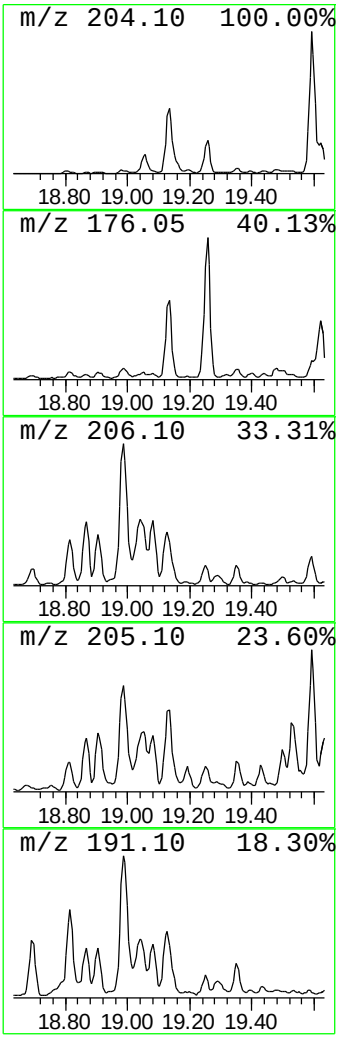
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	8.28 ng/ul	1599960	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
5	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	38





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Quant Title : SVOA CALIBRATION

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

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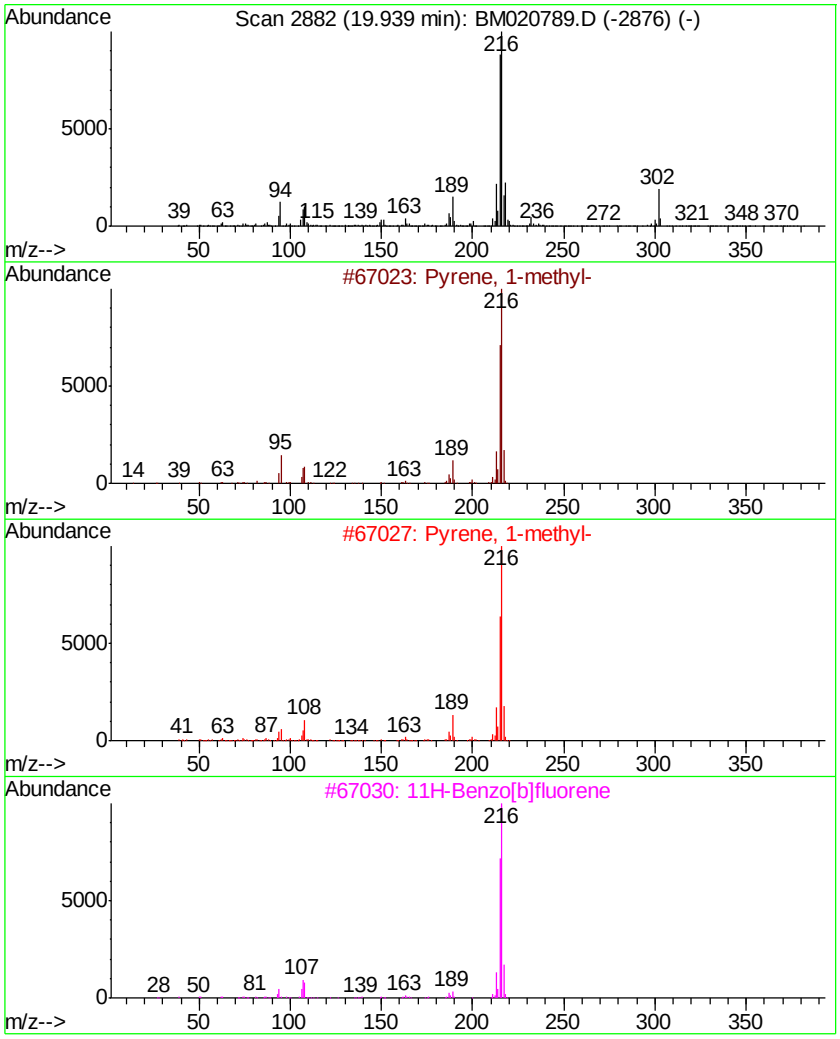
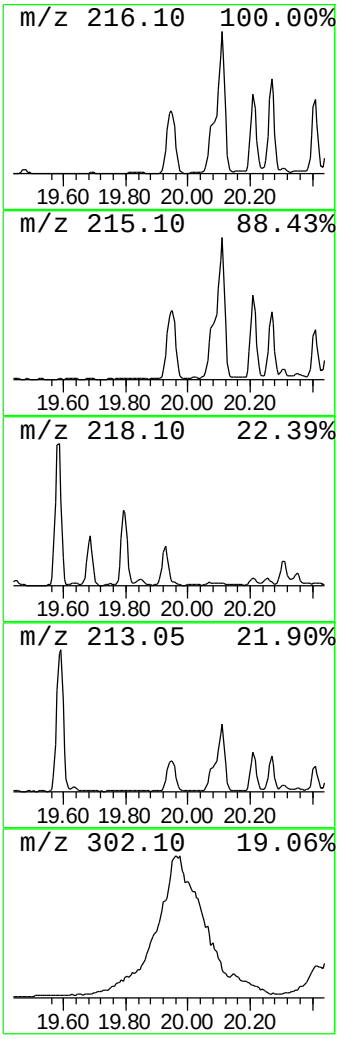
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.02 ng/ul	2126160	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Quant Title : SVOA CALIBRATION

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

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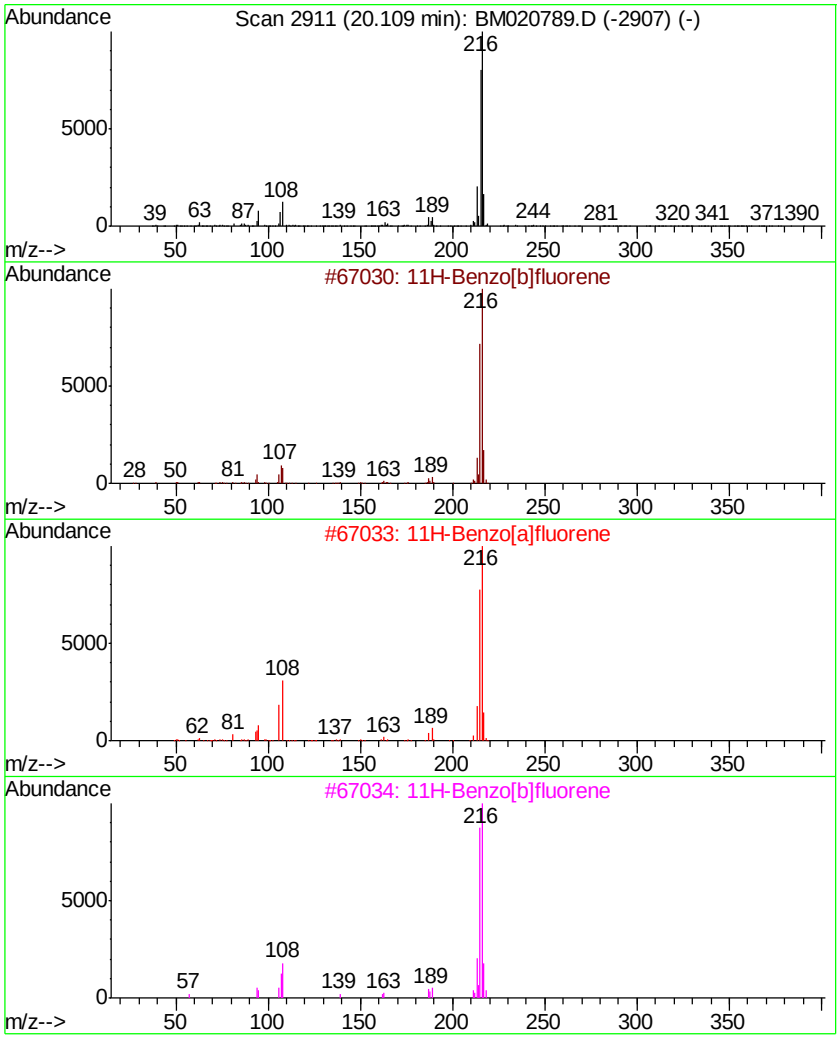
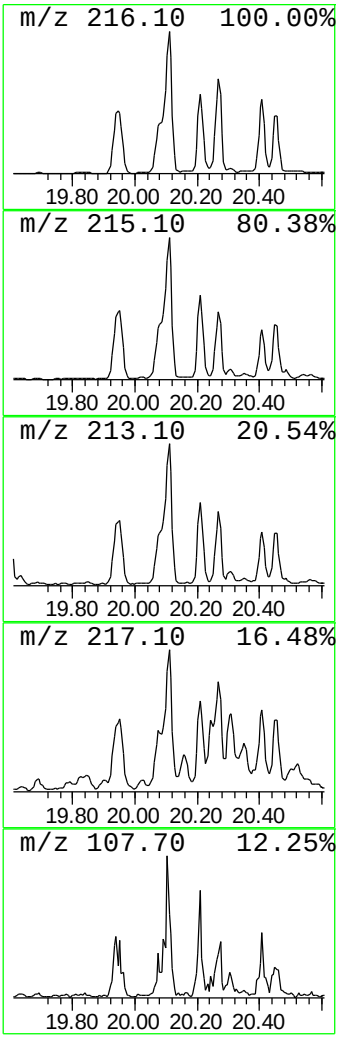
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.22 ng/ul	3391080	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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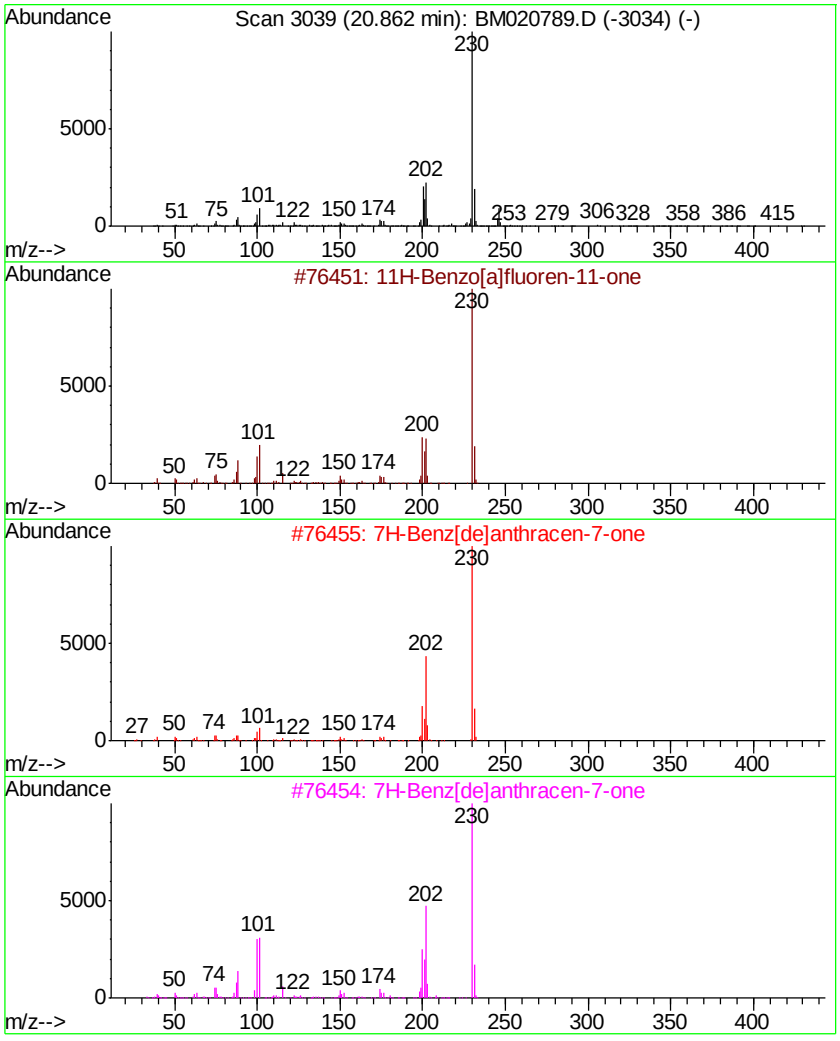
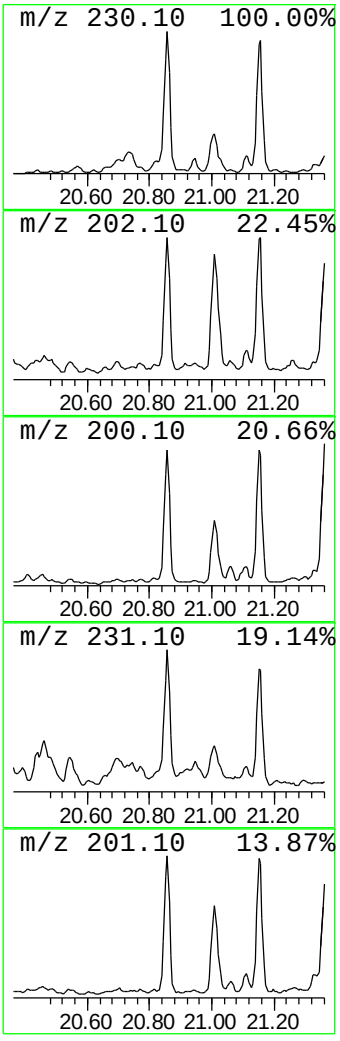
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.58 ng/ul	2726060	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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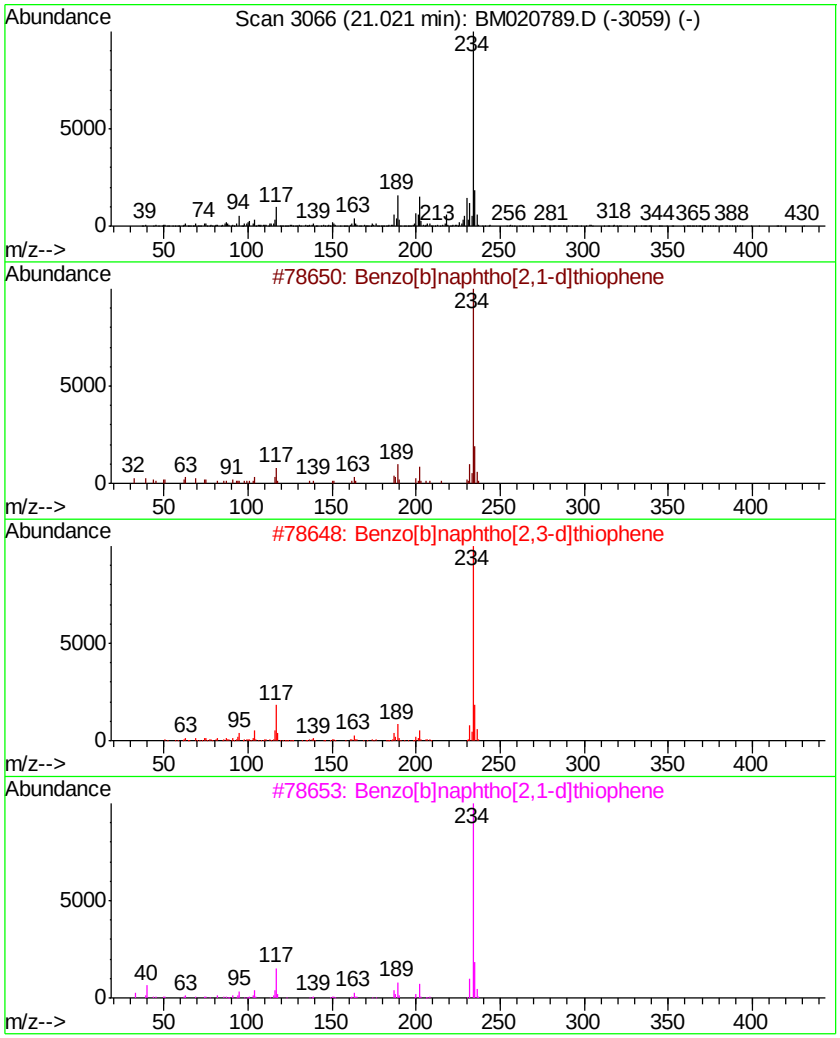
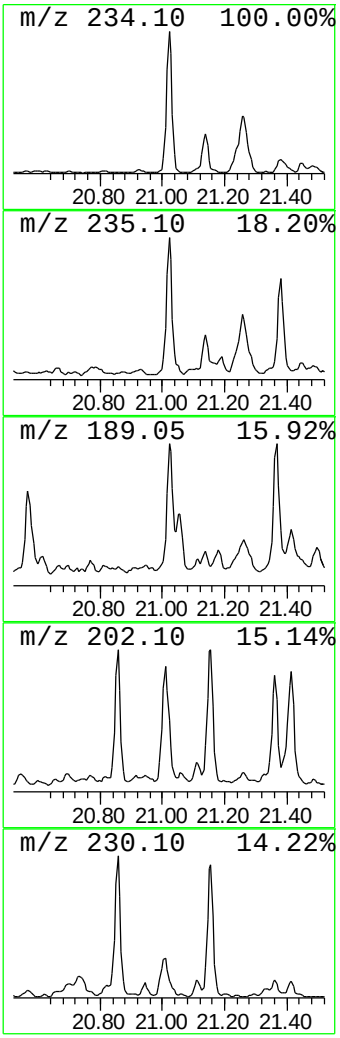
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.94 ng/ul	3098520	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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Quant Title : SVOA CALIBRATION

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

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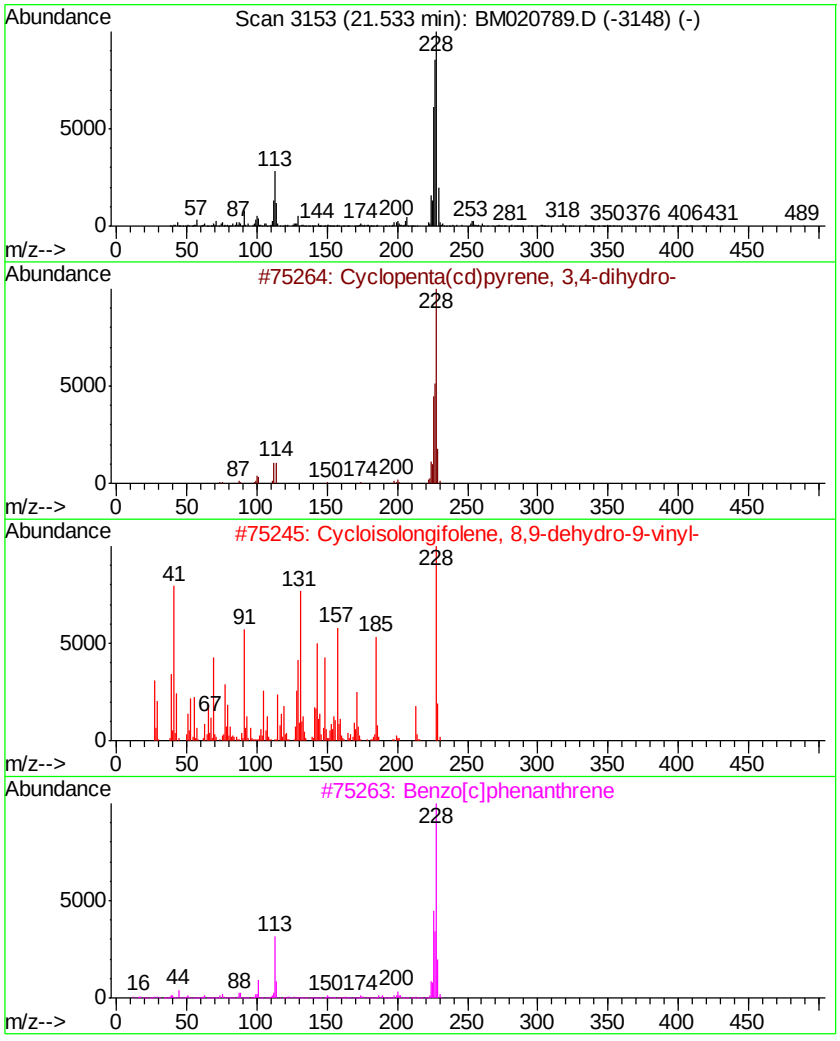
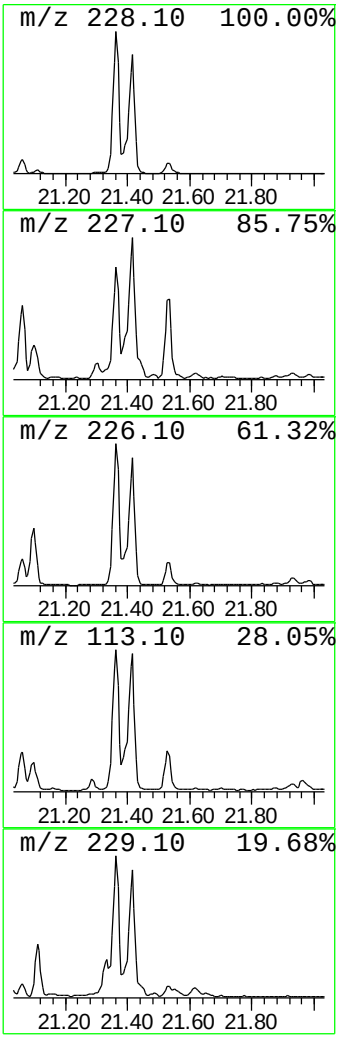
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.34 ng/ul	2466720	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	78
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
4	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47





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Quant Title : SVOA CALIBRATION

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

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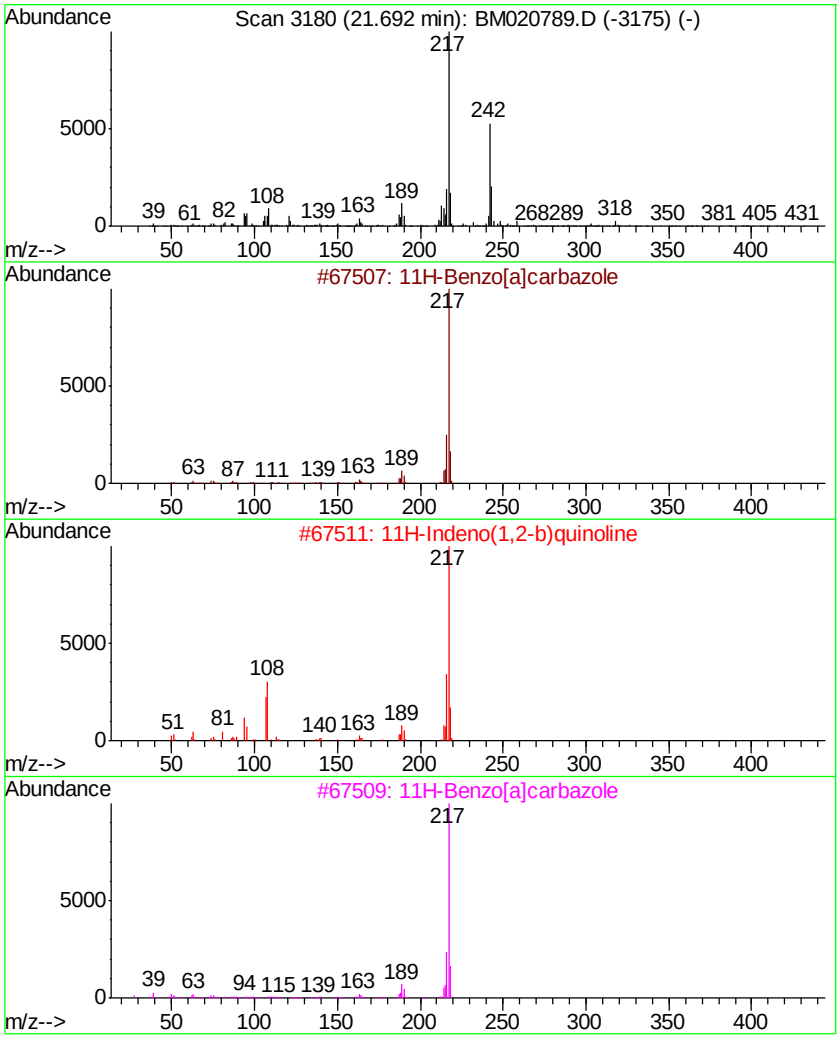
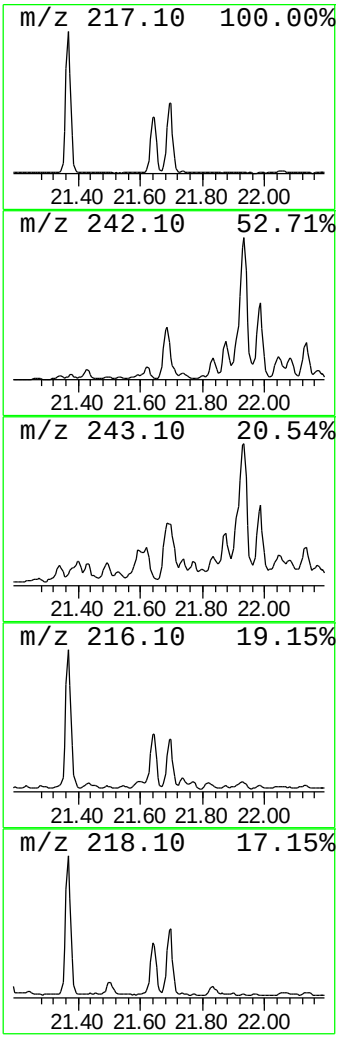
Peak Number 30 11H-Benzo[a]carbazole Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	2.06 ng/ul	2175980	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	78
2	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	64
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	60
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60





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Quant Title : SVOA CALIBRATION

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

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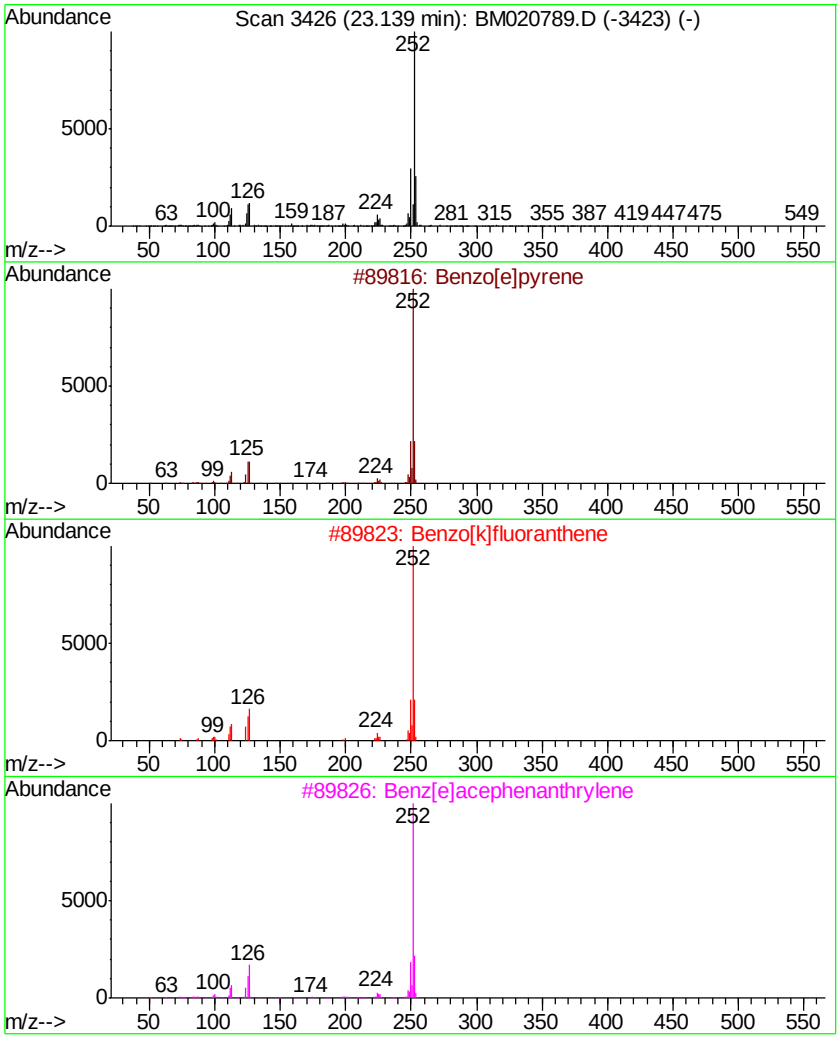
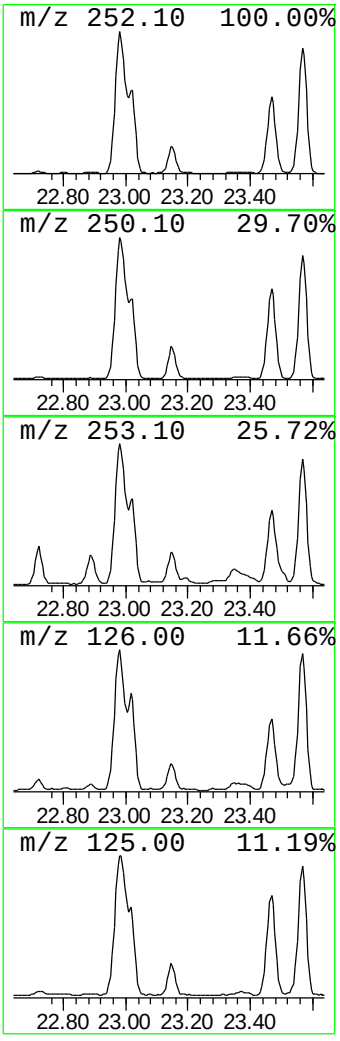
Peak Number 31 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	11.19 ng/ul	2525580	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020789.D
Acq On : 07 Jun 2019 06:38
Operator : HP/JU
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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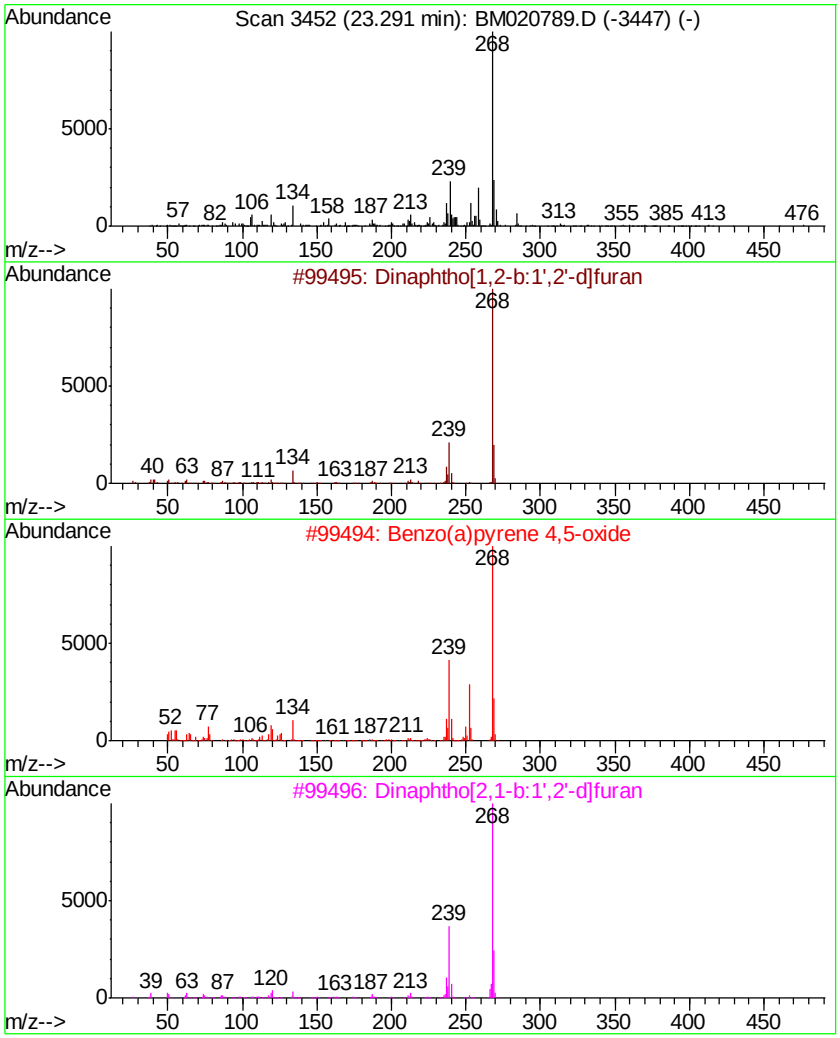
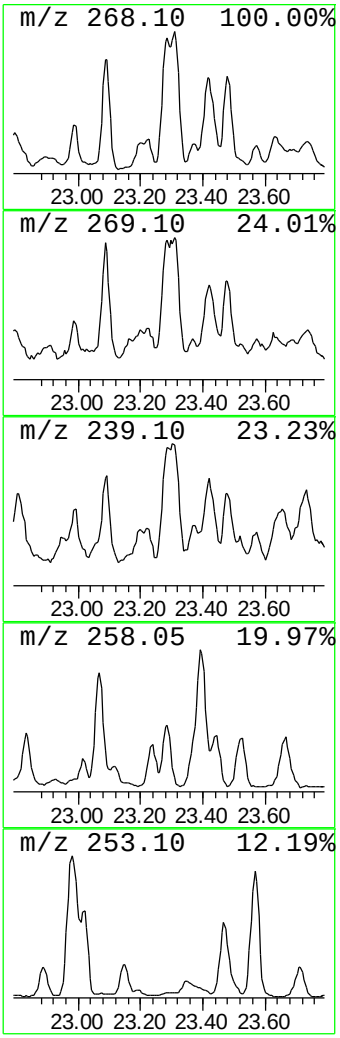
Peak Number 32 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	5.57 ng/ul	1257460	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020789.D
Acq On : 07 Jun 2019 06:38
Operator : HP/JU
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

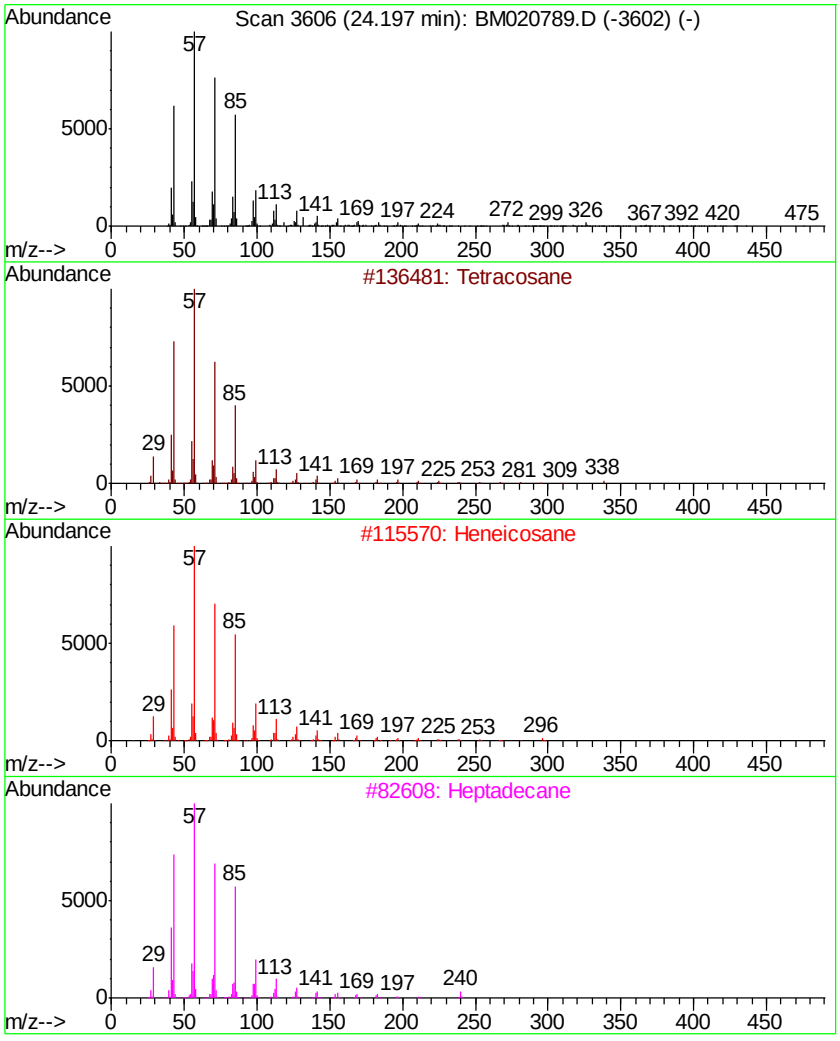
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

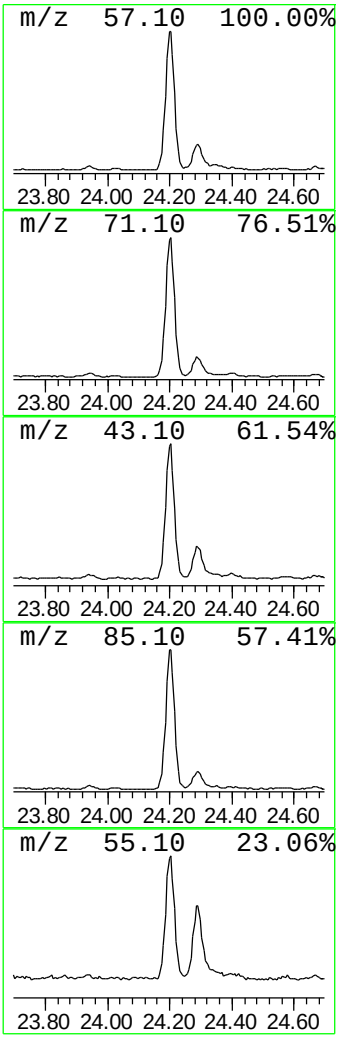
****

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	15.86 ng/ul	3579470	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane	240	C17H36	000629-78-7	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060619\
Data File : BM020789.D
Acq On : 07 Jun 2019 06:38
Operator : HP/JU
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	141.5	ng/ul	12215800	1	7.81	1727070	20.0
9H-Fluoren-9-ol	15.79	2.3	ng/ul	376671	3	14.45	3295360	20.0
Dibenzofuran, 4-m...	15.94	2.6	ng/ul	497099	4	17.20	3865090	20.0
2,2-Dimethyl-1-ac...	16.73	2.0	ng/ul	395861	4	17.20	3865090	20.0
9H-Fluoren-9-one	16.85	3.8	ng/ul	736259	4	17.20	3865090	20.0
Dibenzothiophene	17.02	3.1	ng/ul	597608	4	17.20	3865090	20.0
Benzo[g]quinoline	17.39	2.1	ng/ul	406073	4	17.20	3865090	20.0
Dibenzothiophene,...	17.77	2.1	ng/ul	402777	4	17.20	3865090	20.0
Phenanthrene, 2-m...	18.07	11.9	ng/ul	2296610	4	17.20	3865090	20.0
Anthracene, 1-met...	18.12	15.3	ng/ul	2952320	4	17.20	3865090	20.0
Anthracene, 2-met...	18.20	5.0	ng/ul	968509	4	17.20	3865090	20.0
4H-Cyclopenta[def...	18.26	18.1	ng/ul	3503690	4	17.20	3865090	20.0
Phenanthrene, 4-m...	18.30	6.7	ng/ul	1292890	4	17.20	3865090	20.0
2-Phenylnaphthalene	18.57	7.5	ng/ul	1451900	4	17.20	3865090	20.0
9,10-Anthracenedione	18.62	8.2	ng/ul	1574770	4	17.20	3865090	20.0
Phenanthrene, 4,5...	18.82	3.6	ng/ul	693340	4	17.20	3865090	20.0
Phenanthrene, 3,6...	18.87	2.9	ng/ul	567769	4	17.20	3865090	20.0
Phenanthrene, 2,5...	18.99	10.3	ng/ul	1983120	4	17.20	3865090	20.0
9,10-Bis(bromomet...	19.05	5.2	ng/ul	1012220	4	17.20	3865090	20.0
Benzene, (2-methy...	19.08	2.5	ng/ul	483803	4	17.20	3865090	20.0
Cyclopenta(def)ph...	19.13	8.3	ng/ul	1599960	4	17.20	3865090	20.0
Pyrene, 1-methyl-	19.94	2.0	ng/ul	2126160	5	21.37	21094000	20.0
11H-Benzo[b]fluorene	20.11	3.2	ng/ul	3391080	5	21.37	21094000	20.0
11H-Benzo[a]fluor...	20.86	2.6	ng/ul	2726060	5	21.37	21094000	20.0
Benzo[b]naphtho[2...	21.02	2.9	ng/ul	3098520	5	21.37	21094000	20.0
Cyclopenta(cd)pyr...	21.53	2.3	ng/ul	2466720	5	21.37	21094000	20.0
11H-Benzo[a]carba...	21.69	2.1	ng/ul	2175980	5	21.37	21094000	20.0
Benzo[e]pyrene	23.14	11.2	ng/ul	2525580	6	23.66	4512510	20.0
Dinaphtho[1,2-b:1...	23.29	5.6	ng/ul	1257460	6	23.66	4512510	20.0
(DEL) Alkane: Str...	24.20	15.9	ng/ul	3579470	6	23.66	4512510	20.0