LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019729.D
Acq On : 03 Apr 2019 14:29
Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

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-BM032219MA.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	4.728	289	296	310	rBV	815046	1187915	16.39%	1.089%
2	5.822	473	482	490	rBV7	46348	137954	1.90%	0.126%
3	6.057	512	522	525	rBV4	48425	133789	1.85%	0.123%
4	6.181	539	543	551	rVB4	90422	185337	2.56%	0.170%
5	6.681	623	628	634	rBV5	71194	140259	1.94%	0.129%
6	6.751	634	640	649	rBV	652589	1142604	15.77%	1.047%
7	6.857	654	658	663	rVV5	47037	105055	1.45%	0.096%
8	6.922	663	669	678	rVV	547995	1023271	14.12%	0.938%
9	7.016	682	685	690	rVV2	84331	159540	2.20%	0.146%
10	7.098	694	699	713	rVV	816512	1367707	18.88%	1.254%
11	7.445	754	758	764	rVV3	58375	140564	1.94%	0.129%
12	7.563	773	778	788	rVV	650633	1122791	15.50%	1.029%
13	7.710	799	803	807	rVV4	62039	113826	1.57%	0.104%
14	7.810	816	820	827	rVV2	97103	194569	2.69%	0.178%
15	8.281	894	900	909	rBV	892435	1533737	21.17%	1.406%
16	8.357	909	913	918	rVV3	113733	210366	2.90%	0.193%
17	8.404	918	921	929	rVB3	53875	104447	1.44%	0.096%
18	8.734	970	977	990	rVB	691587	1249831	17.25%	1.146%
19	8.875	998	1001	1010	rVB5	59165	126093	1.74%	0.116%
20	9.239	1059	1063	1075	rVB2	91902	175773	2.43%	0.161%
21	9.445	1092	1098	1104	rVV2	595793	1008201	13.91%	0.924%
22	9.498	1104	1107	1111	rVB3	81361	115024	1.59%	0.105%
23	9.980	1182	1189	1203	rBV	844179	1653067	22.81%	1.515%
24	10.345	1244	1251	1256	rVV	1002199	1682574	23.22%	1.542%
25	10.392	1256	1259	1264	rVV	97120	155684	2.15%	0.143%
26	10.510	1273	1279	1293	rVV	479456	978744	13.51%	0.897%
27	11.892	1507	1514	1520	rBV	165758	311607	4.30%	0.286%
28	13.651	1807	1813	1817	rVV	1850124	2612525	36.06%	2.395%
29	13.692	1817	1820	1831	rVV	221526	353834	4.88%	0.324%
30	13.921	1848	1859	1874	rBV	2013032	3186912	43.98%	2.921%
31	14.227	1904	1911	1918	rVV2	1491942	2270761	31.34%	2.081%
32	14.480	1941	1954	1973	rBV	366941	1034151	14.27%	0.948%
33	14.657	1973	1984	1990	rBV2	246858	440608	6.08%	0.404%
34	15.227	2075	2081	2087	rVV	2831235	3855908	53.22%	3.534%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

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-BM032219MA.M
Title : SVOA CALIBRATION

35	15.268	2087	2088	2102	rVB5	61188	123508	1.70%	0.113%
36	15.380	2102	2107	2116	rBV	650605	976060	13.47%	0.895%
37	15.468	2116	2122	2129	rVB5	63455	132753	1.83%	0.122%
38	15.951	2197	2204	2212	rBV2	131536	289535	4.00%	0.265%
39	16.292	2250	2262	2267	rBV4	47674	144231	1.99%	0.132%
40	16.386	2274	2278	2284	rBV2	68066	105029	1.45%	0.096%
41	16.515	2293	2300	2304	rBV3	81778	160184	2.21%	0.147%
42	16.651	2318	2323	2329	rBV2	69843	120738	1.67%	0.111%
43	16.727	2329	2336	2341	rVV4	117493	249617	3.44%	0.229%
44	16.809	2347	2350	2356	rVB2	86853	134339	1.85%	0.123%
45	16.986	2374	2380	2384	rBV2	1747076	2557857	35.30%	2.345%
46	17.027	2384	2387	2392	rVV	1379941	1918086	26.47%	1.758%
47	17.086	2392	2397	2402	rVV2	2816540	4076838	56.26%	3.737%
48	17.121	2402	2403	2407	rVV	291508	254301	3.51%	0.233%
49	17.409	2442	2452	2458	rBV4	137275	388065	5.36%	0.356%
50	17.462	2458	2461	2465	rVB3	93263	124603	1.72%	0.114%
51	17.509	2465	2469	2477	rBV2	78877	130175	1.80%	0.119%
52	17.880	2524	2532	2535	rBV2	737096	1314767	18.15%	1.205%
53	17.909	2535	2537	2543	rVV	421150	582898	8.04%	0.534%
54	17.992	2547	2551	2557	rVV	157242	265082	3.66%	0.243%
55	18.056	2557	2562	2566	rVV2	438015	786726	10.86%	0.721%
56	18.098	2566	2569	2576	rVB	221352	304690	4.21%	0.279%
57	18.162	2576	2580	2587	rBV3	101057	165408	2.28%	0.152%
58	18.374	2611	2616	2621	rVB	224028	316925	4.37%	0.290%
59	18.433	2621	2626	2632	rBV	104968	187085	2.58%	0.171%
60	18.709	2669	2673	2677	rVB	95394	123796	1.71%	0.113%
61	18.792	2682	2687	2692	rVV2	258257	518873	7.16%	0.476%
62	18.856	2693	2698	2700	rVV3	137952	258942	3.57%	0.237%
63	18.886	2700	2703	2706	rVB	129796	157417	2.17%	0.144%
64	18.945	2707	2713	2720	rVB3	188389	391494	5.40%	0.359%
65	19.062	2727	2733	2738	rVB	5852256	7245813	100.00%	6.642%
66	19.174	2746	2752	2755	rBV3	367400	557868	7.70%	0.511%
67	19.209	2755	2758	2762	rVB	195375	255184	3.52%	0.234%
68	19.303	2771	2774	2778	rVB	130691	163307	2.25%	0.150%
69	19.398	2784	2790	2792	rBV3	3417164	4778768	65.95%	4.380%
70	19.427	2792	2795	2803	rVV	5013290	6764552	93.36%	6.201%
71	19.498	2803	2807	2813	rVB2	255201	425630	5.87%	0.390%

LSC Area Percent Report

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Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

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-BM032219MA.M
Title : SVOA CALIBRATION

72	19.609	2823	2826	2832	rVB	223047	292750	4.04%	0.268%
73	19.745	2844	2849	2850	rBV3	308960	437448	6.04%	0.401%
74	19.927	2868	2880	2885	rBV2	648757	1508698	20.82%	1.383%
75	20.027	2893	2897	2900	rBV	299297	393540	5.43%	0.361%
76	20.080	2900	2906	2911	rVV2	380200	702707	9.70%	0.644%
77	20.162	2917	2920	2925	rVB4	109862	152196	2.10%	0.140%
78	20.221	2927	2930	2934	rBV2	253667	361384	4.99%	0.331%
79	20.268	2935	2938	2942	rVB2	231102	313190	4.32%	0.287%
80	20.427	2963	2965	2970	rBV4	92608	103932	1.43%	0.095%
81	20.680	3004	3008	3011	rBV	363531	479118	6.61%	0.439%
82	20.845	3032	3036	3039	rBV2	388144	525910	7.26%	0.482%
83	20.897	3039	3045	3054	rVV4	748089	2164073	29.87%	1.984%
84	20.980	3056	3059	3065	rVB	323644	418026	5.77%	0.383%
85	21.186	3089	3094	3099	rBV2	3088263	6140268	84.74%	5.628%
86	21.233	3099	3102	3112	rVB	2517667	3380500	46.65%	3.099%
87	21.350	3119	3122	3128	rVB	370080	432977	5.98%	0.397%
88	21.409	3129	3132	3136	rBV3	288616	370197	5.11%	0.339%
89	21.739	3185	3188	3194	rVV2	443785	671717	9.27%	0.616%
90	21.791	3194	3197	3202	rVB	311440	380810	5.26%	0.349%
91	21.933	3218	3221	3224	rBV2	216468	292417	4.04%	0.268%
92	22.744	3354	3359	3364	rBV	2124438	4649505	64.17%	4.262%
93	22.909	3383	3387	3392	rVB	474904	702034	9.69%	0.643%
94	23.215	3434	3439	3443	rBV	1137729	2112900	29.16%	1.937%
95	23.262	3443	3447	3451	rVV2	1515156	2804776	38.71%	2.571%
96	23.309	3451	3455	3463	rVB	2142119	3554782	49.06%	3.258%
97	23.403	3466	3471	3475	rVV	1042396	1775663	24.51%	1.628%
98	23.450	3476	3479	3486	rVB2	603485	1055356	14.57%	0.967%
99	25.621	3840	3848	3858	rVB	1124774	3106796	42.88%	2.848%
100	26.303	3957	3964	3976	rVB	745139	2147017	29.63%	1.968%

Sum of corrected areas: 109096859

LSC Report - Integrated Chromatogram

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Data File : BM019729.D
Acq On : 03 Apr 2019 14:29
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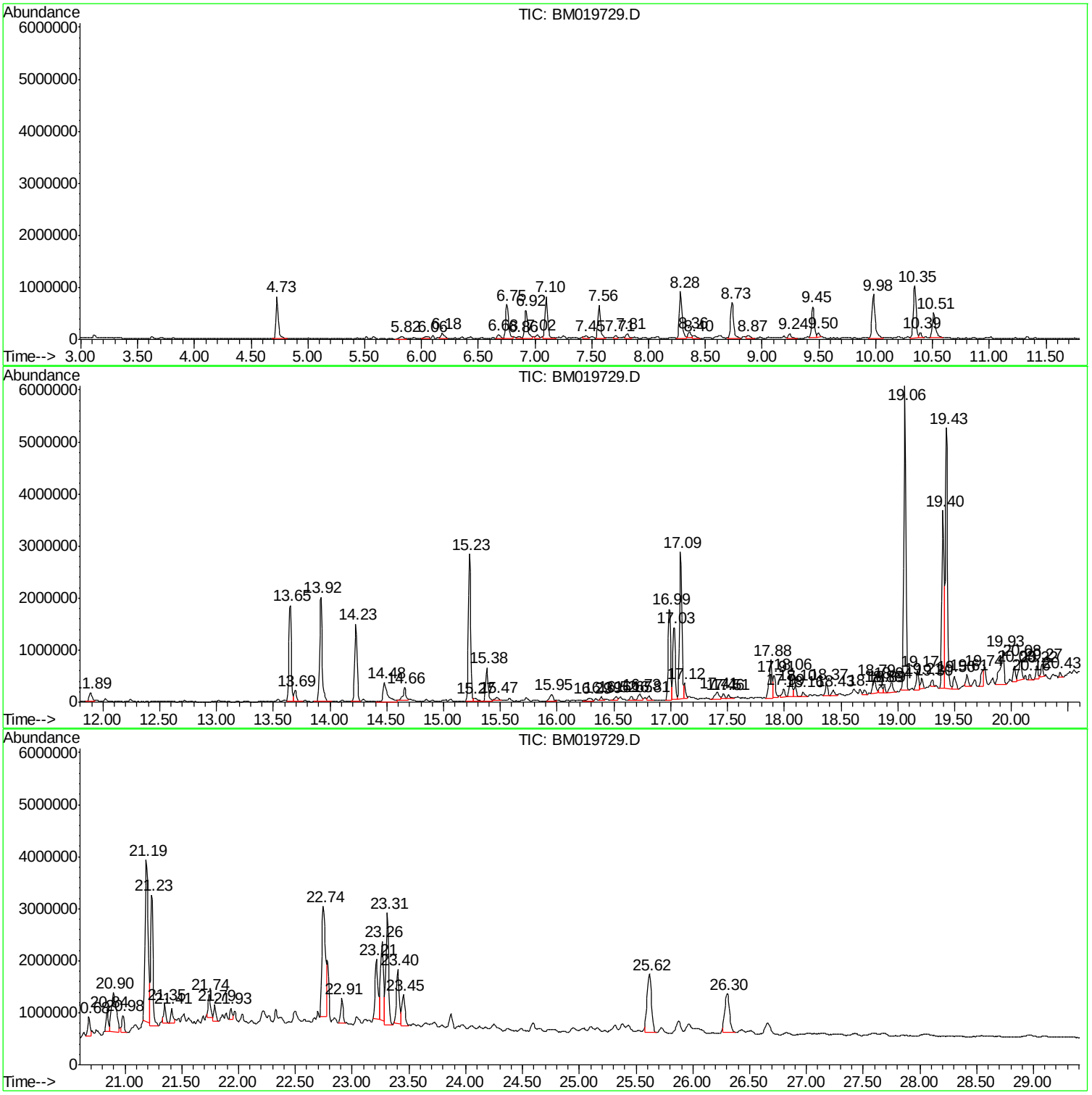
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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\BM040219\
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

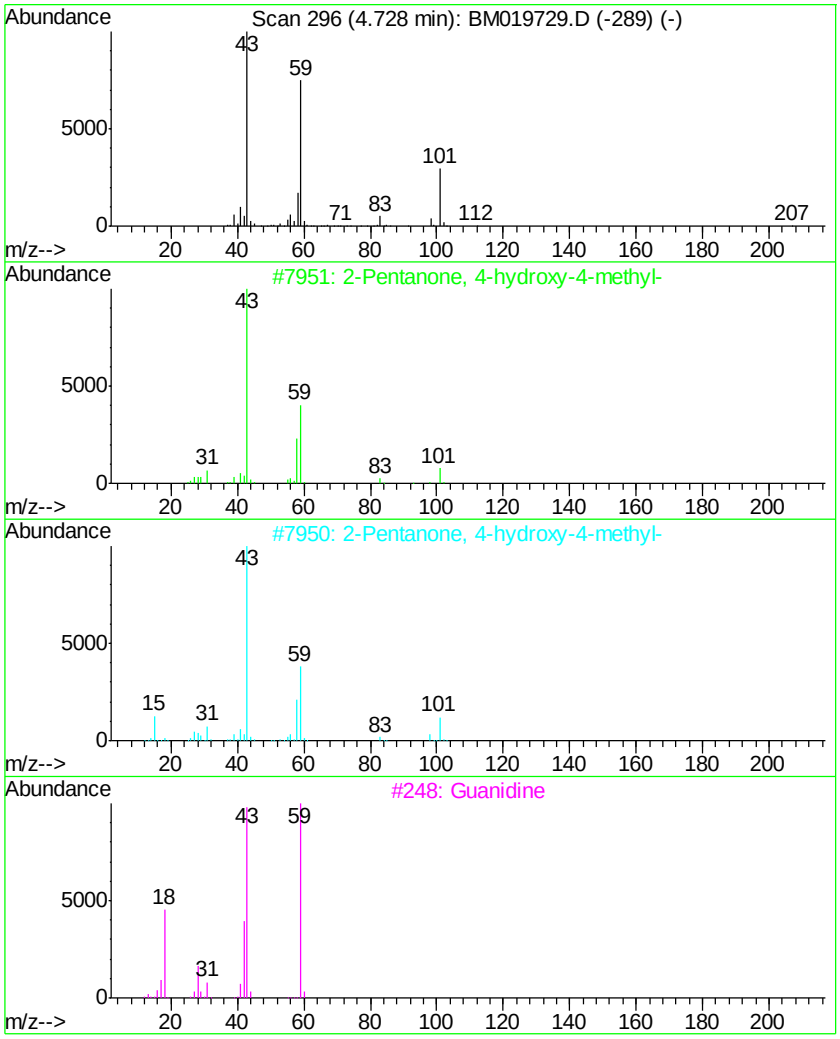
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

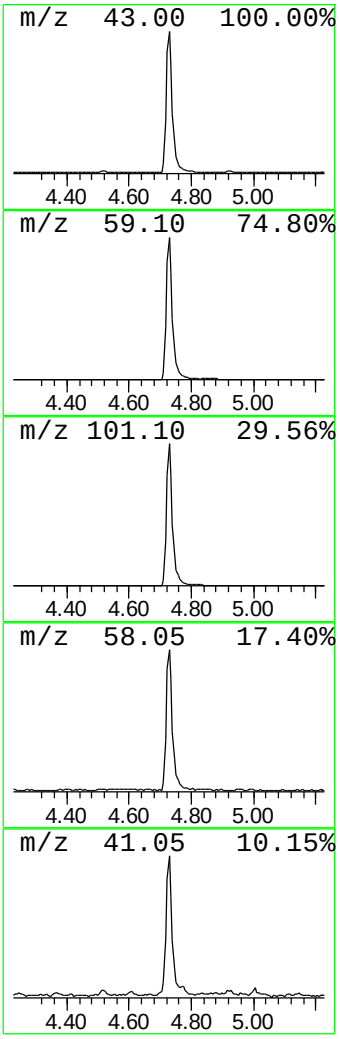
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	21.16 ng/ul	1187920	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
3	Guanidine	59	CH5N3	000113-00-8	50
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	35
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	28





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Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

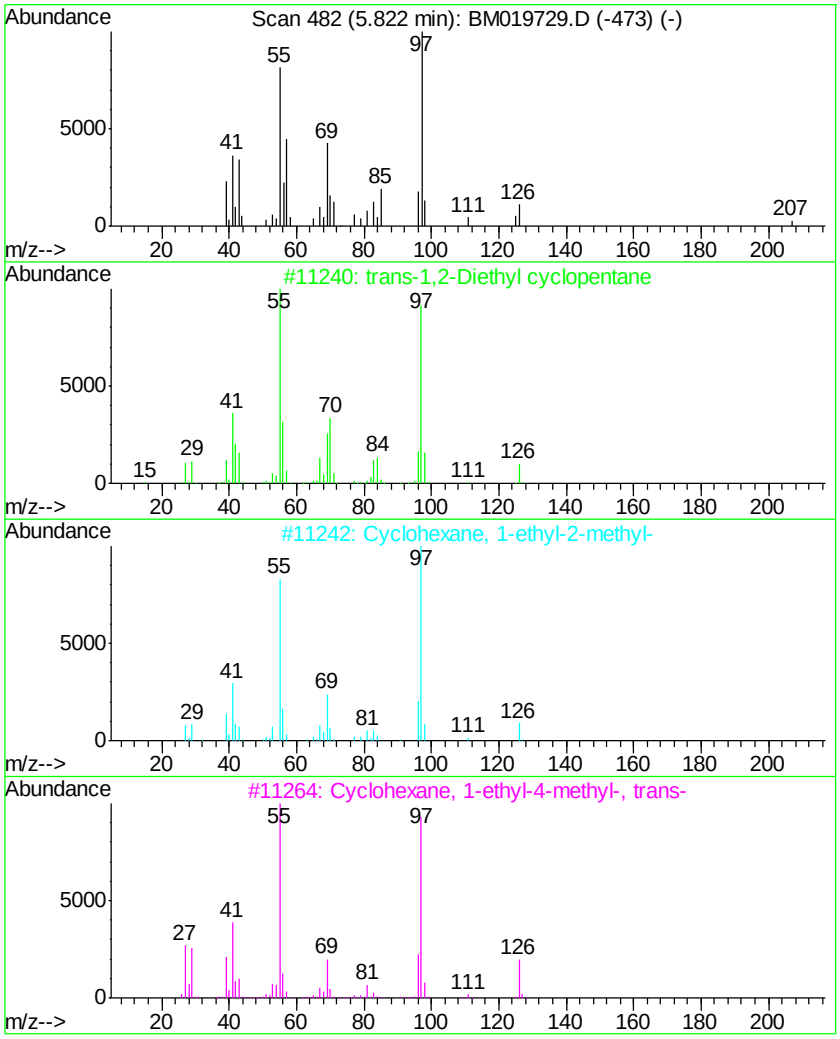
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

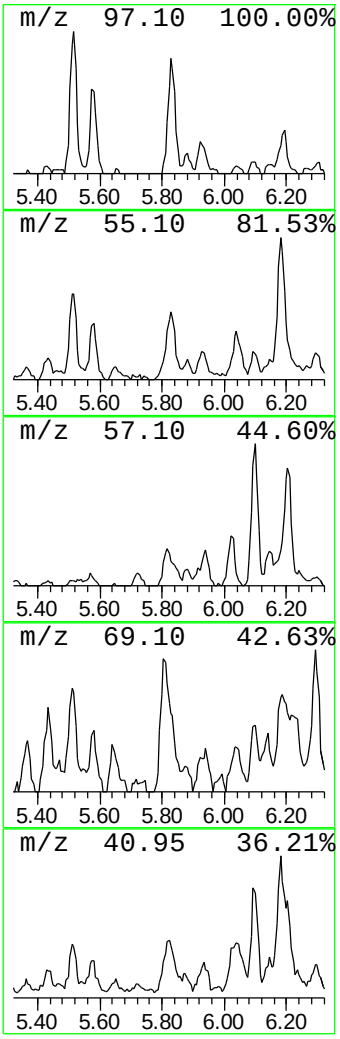
****

Peak Number 2 (DEL) Alkane: Cyclic5.82 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	2.46 ng/ul	137954	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	74
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	68
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

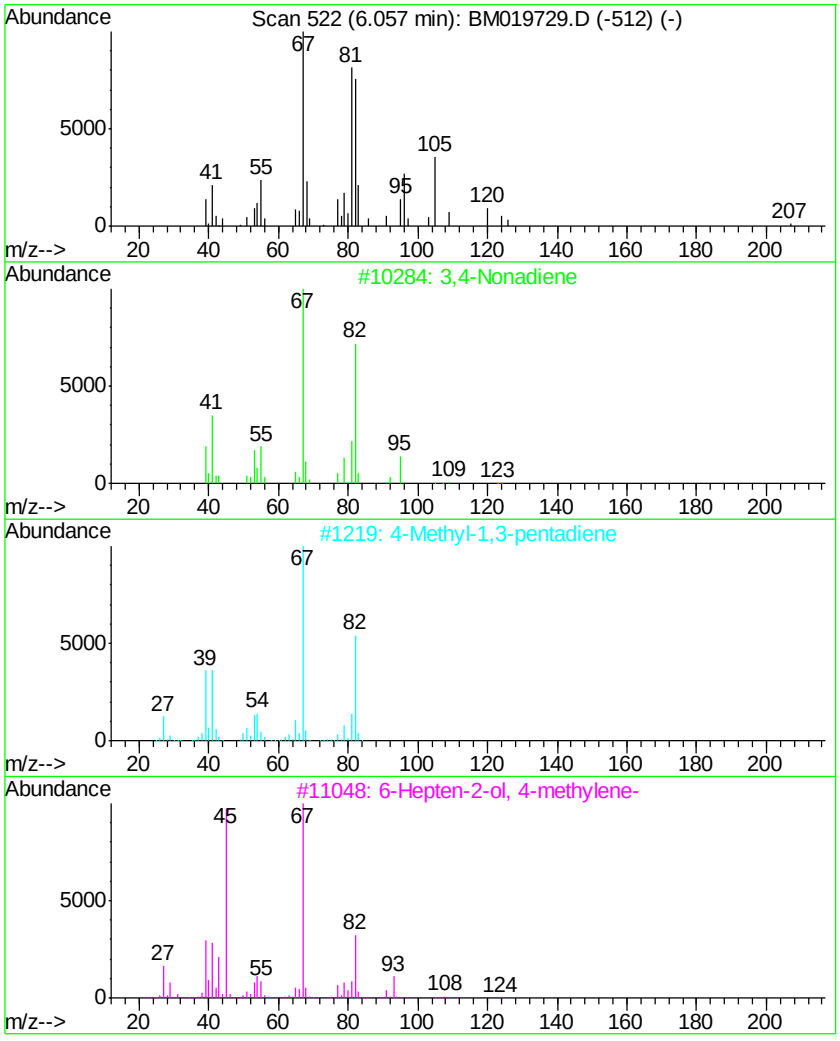
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

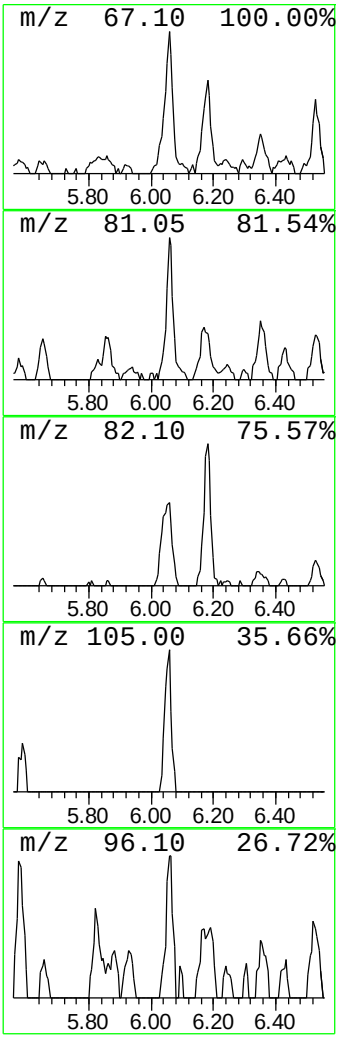
****

Peak Number 3 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	2.38 ng/ul	133789	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Nonadiene	124	C9H16	037050-03-6	43
2	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	38
3	6-Hepten-2-ol, 4-methylene-	126	C8H14O	042201-30-9	38
4	n-Valeric acid cis-3-hexenyl ester	184	C11H20O2	035852-46-1	38
5	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	38





Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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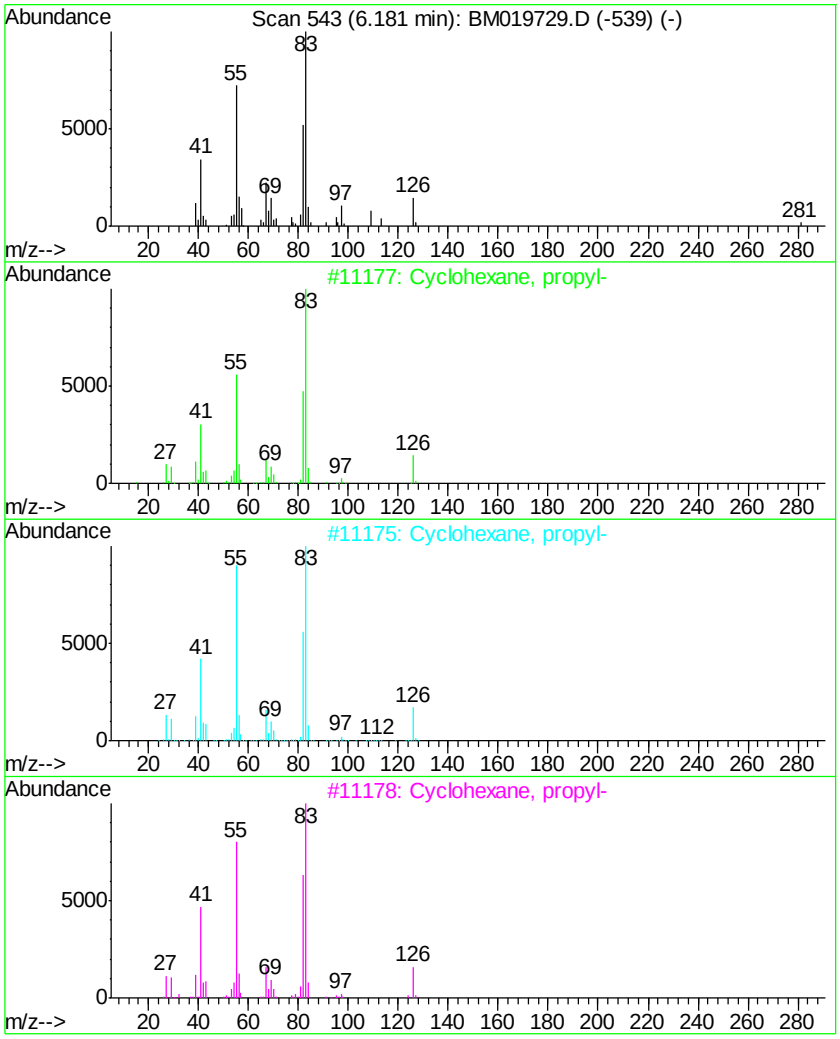
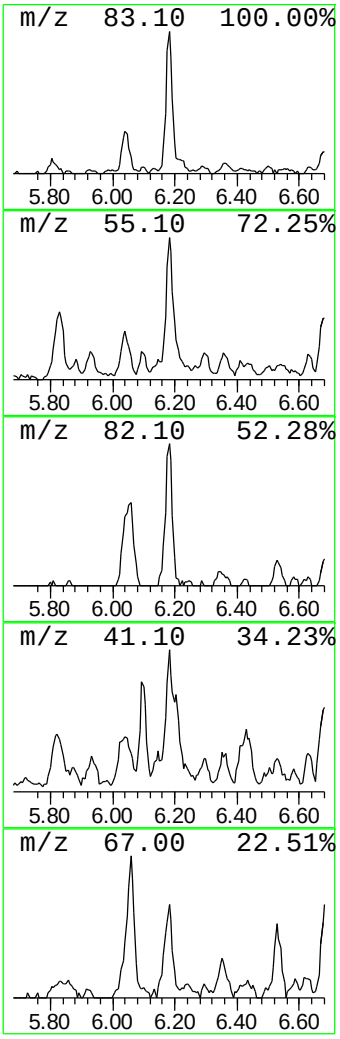
Peak Number 4 (DEL) Alkane: Cyclic6.18 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	3.30 ng/ul	185337	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59





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Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

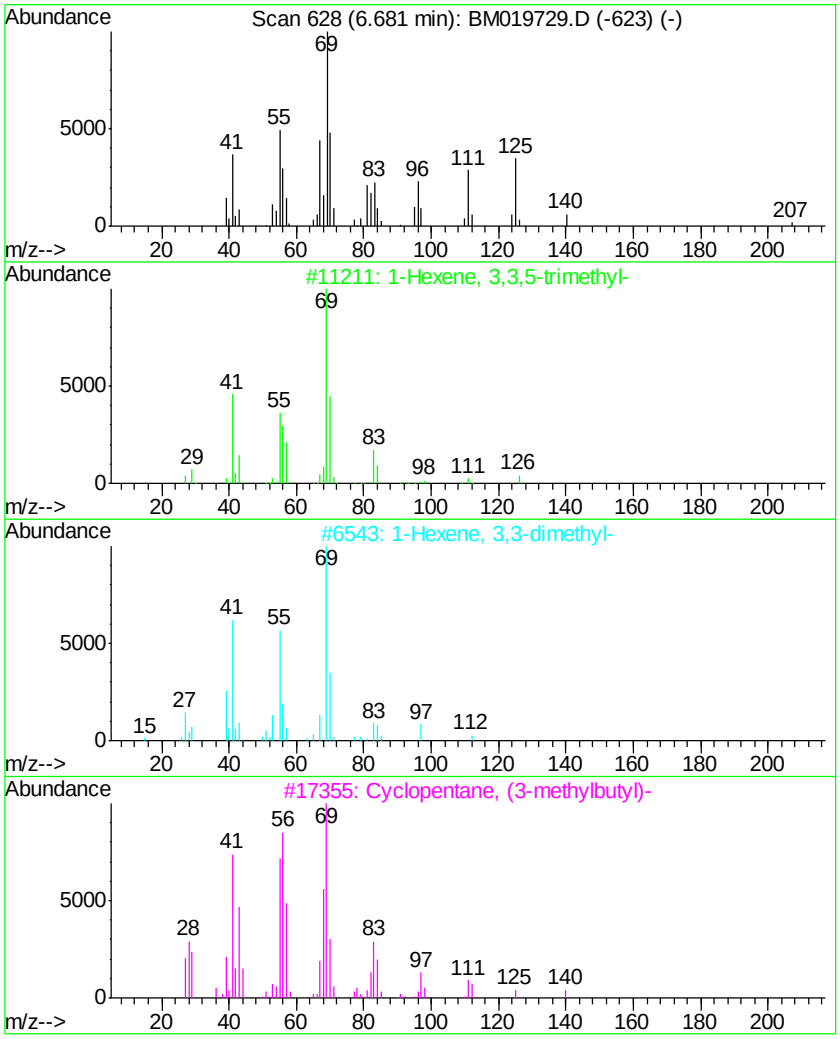
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

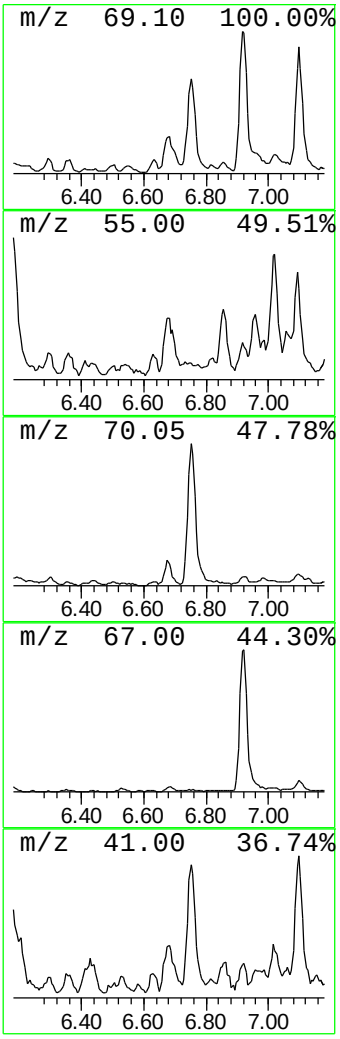
****

Peak Number 5 (DEL) Alkane: Cyclic6.68 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	2.50 ng/ul	140259	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	49
2	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	47
3	Cyclopentane, (3-methylbutyl)-	140	C10H20	001005-68-1	43
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	43





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Acq On : 03 Apr 2019 14:29
Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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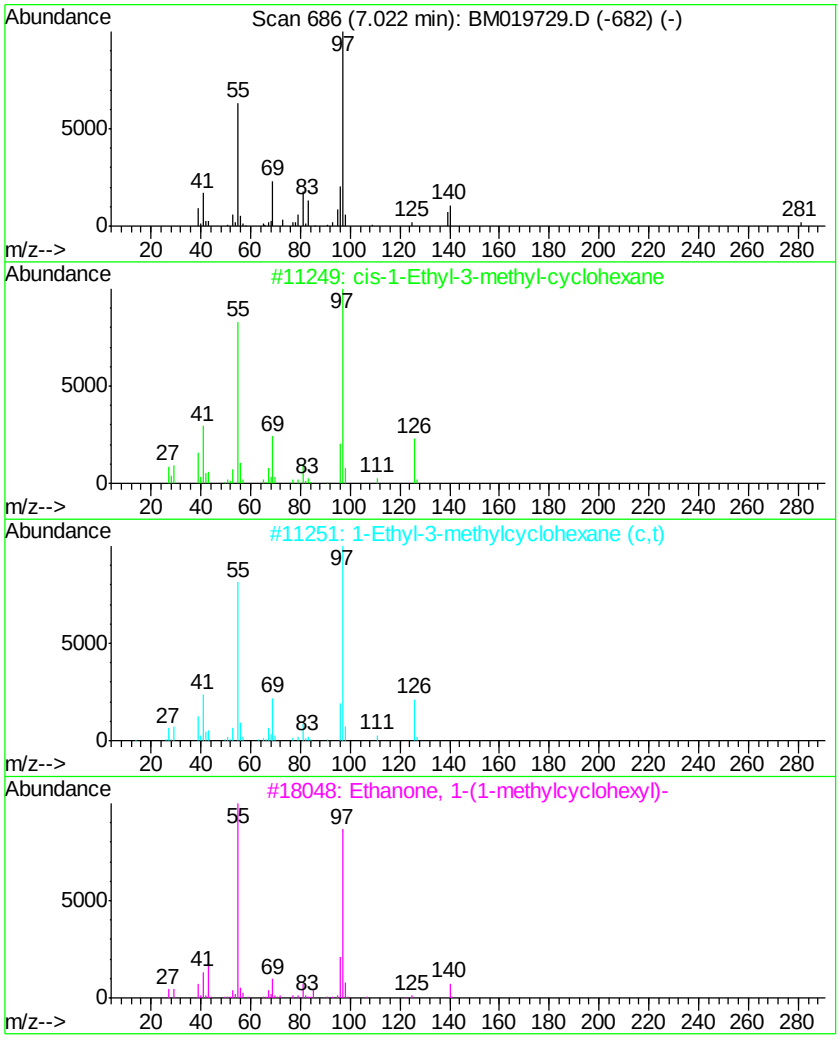
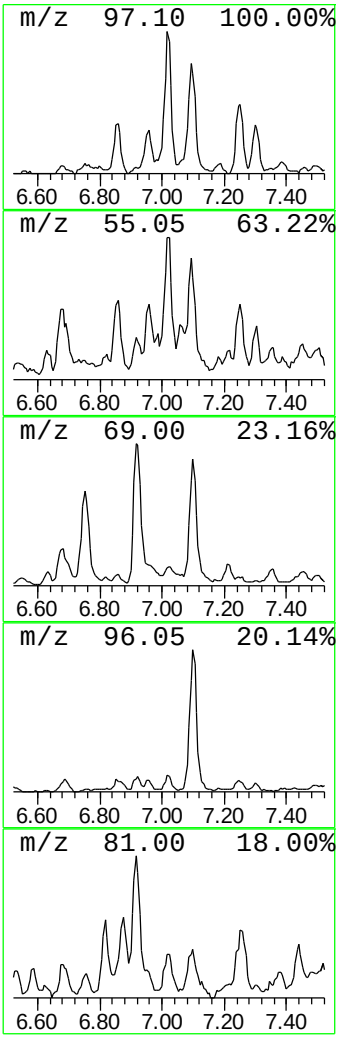
Peak Number 6 (DEL) Alkane: Cyclic7.02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	2.84 ng/ul	159540	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64





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Sample : K2148-10
Misc :
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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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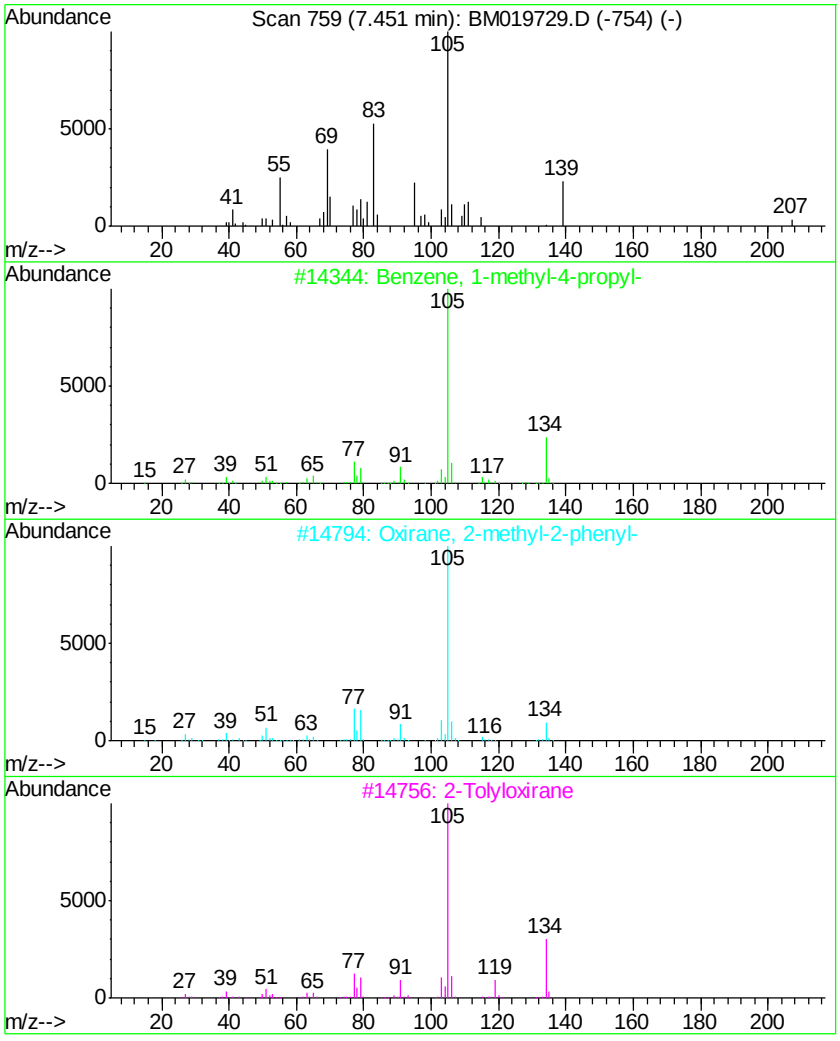
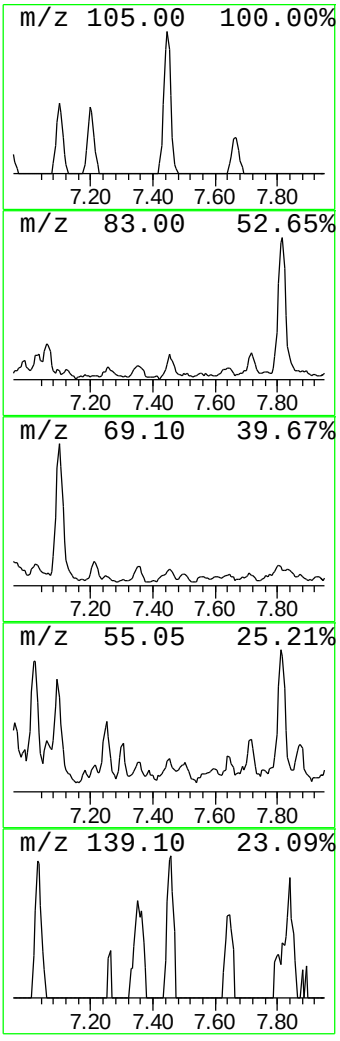
Peak Number 7 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	2.50 ng/ul	140564	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	22
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	22
3	2-Tolyloxirane	134	C9H10O	002783-26-8	22
4	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	14
5	Benzene, 1-(bromomethyl)-3-methyl-	184	C8H9Br	000620-13-3	14





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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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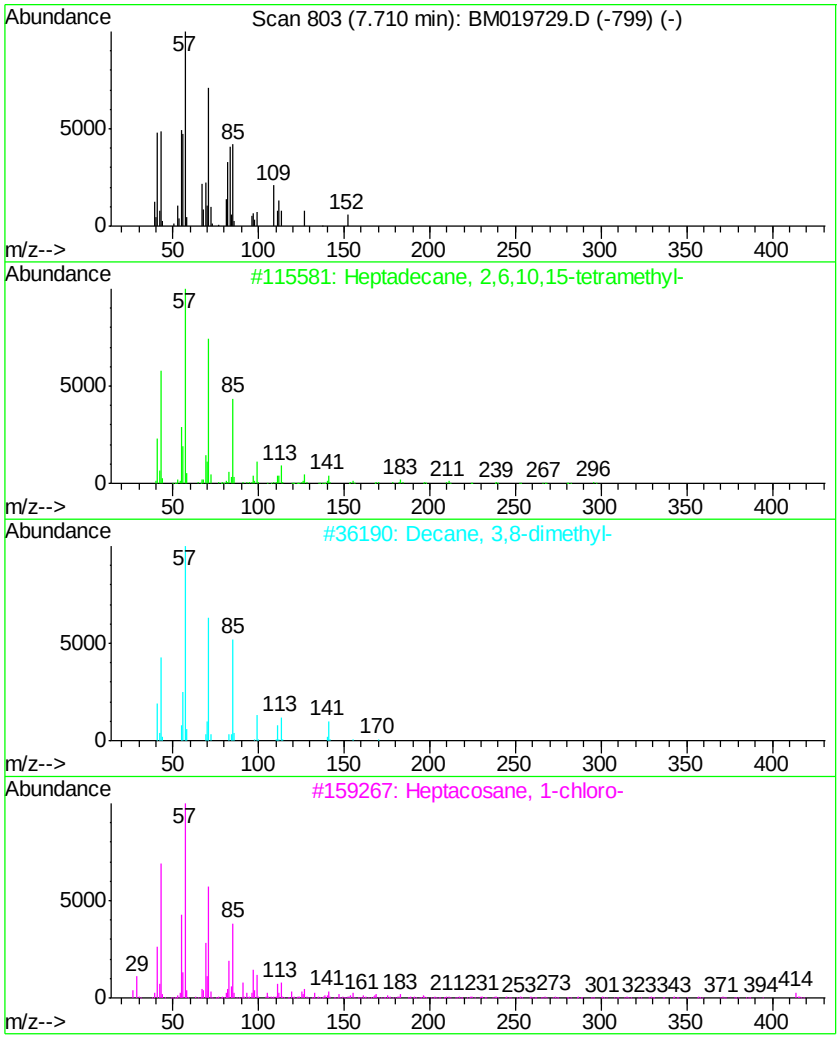
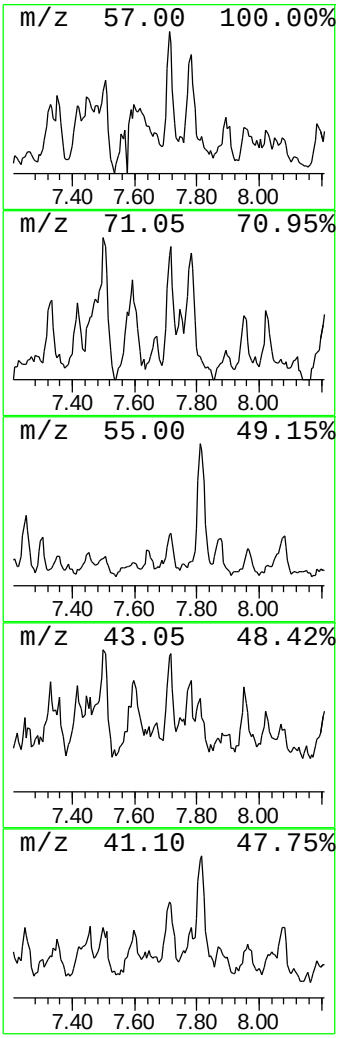
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	2.03 ng/ul	113826	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	35
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	35
3	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	35
4	Decane, 5-propyl-	184	C13H28	017312-62-8	35
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	35





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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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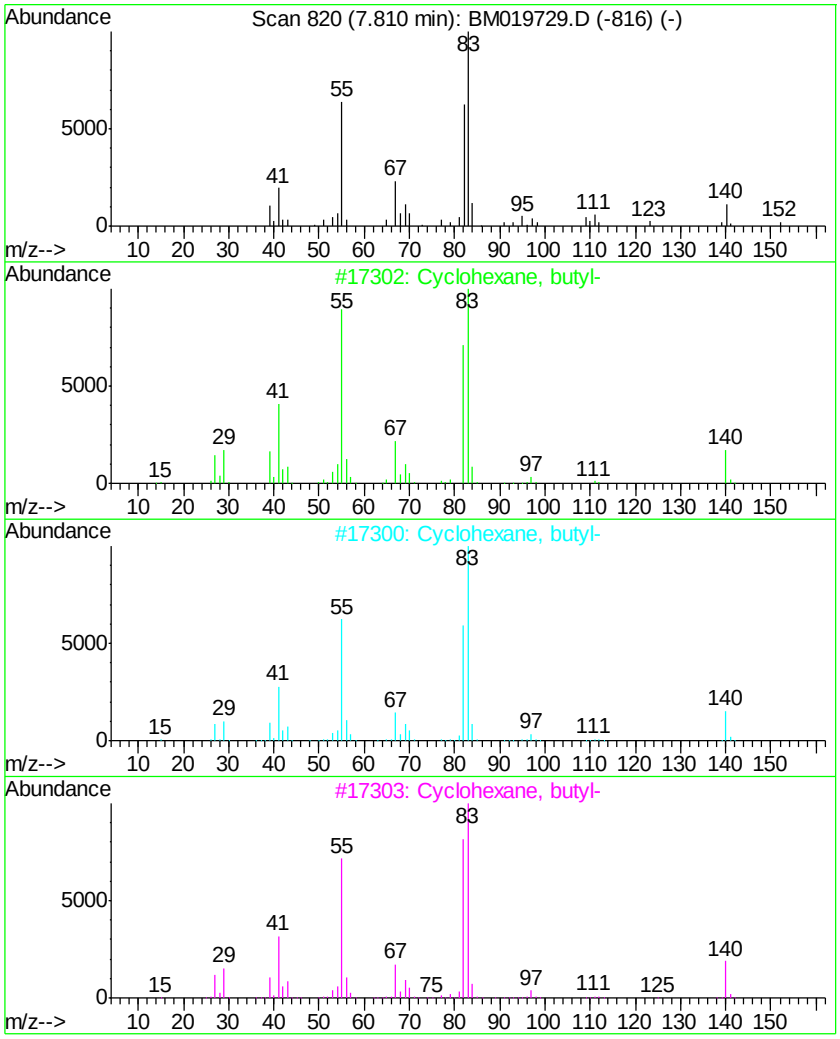
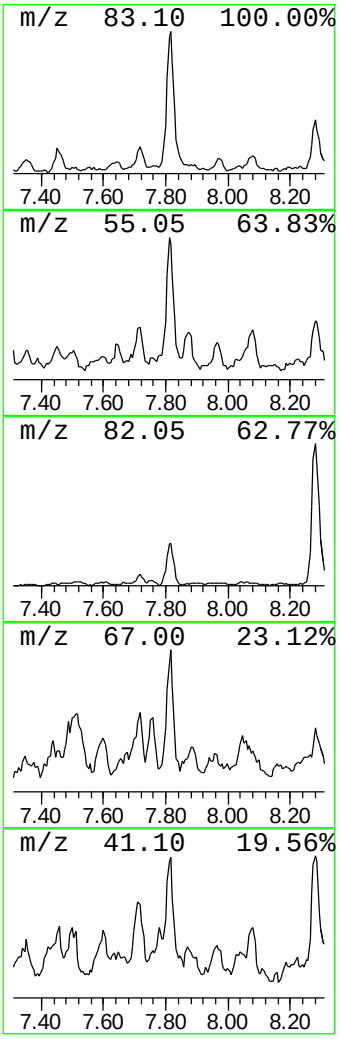
Peak Number 9 (DEL) Alkane: Cyclic7.81 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	3.47 ng/ul	194569	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72





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Quant Title : SVOA CALIBRATION

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

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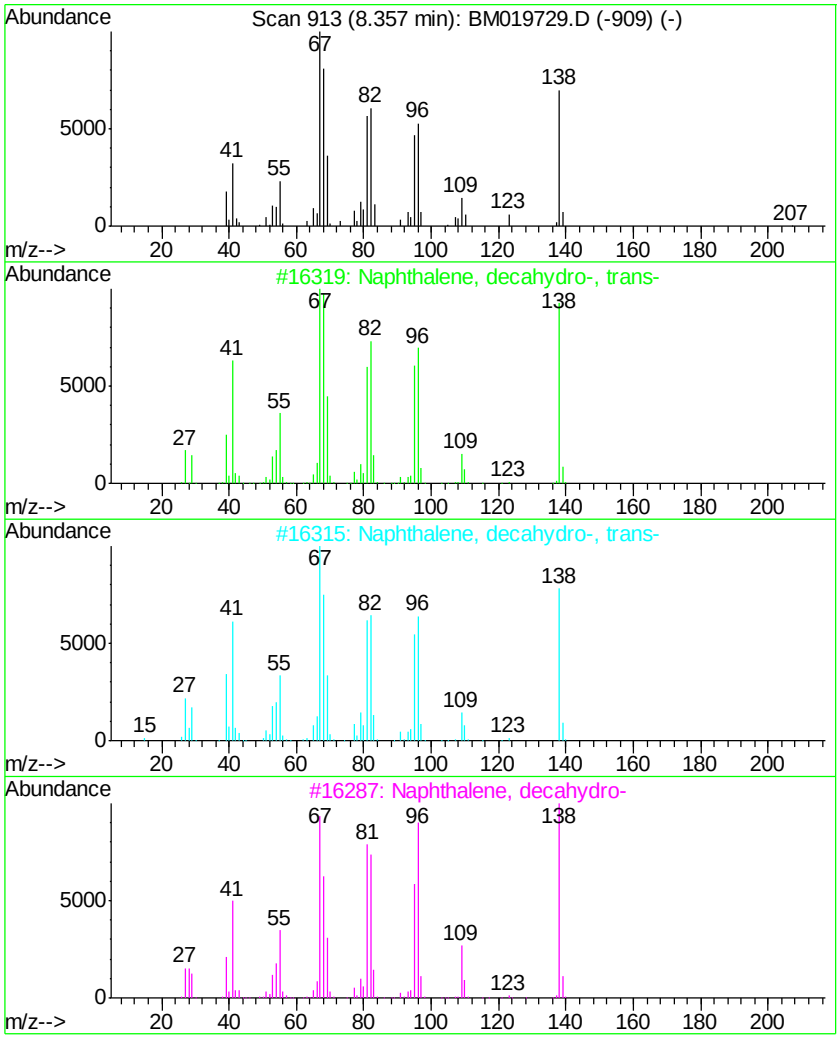
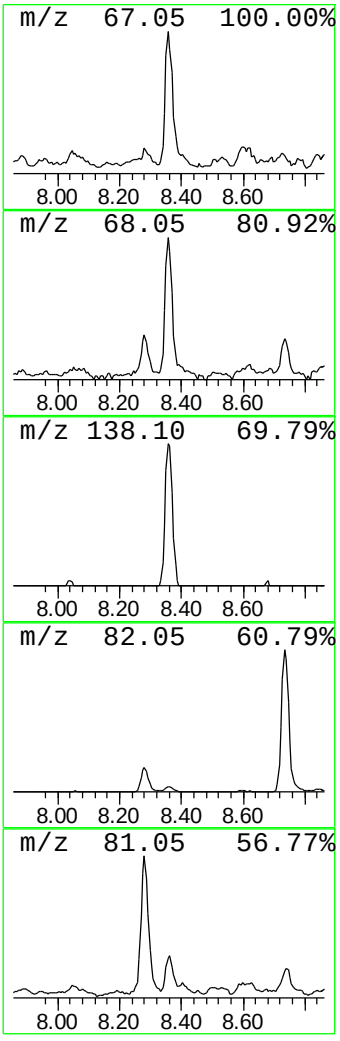
Peak Number 10 Naphthalene, decahydro-, tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	3.75 ng/ul	210366	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
5	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	87





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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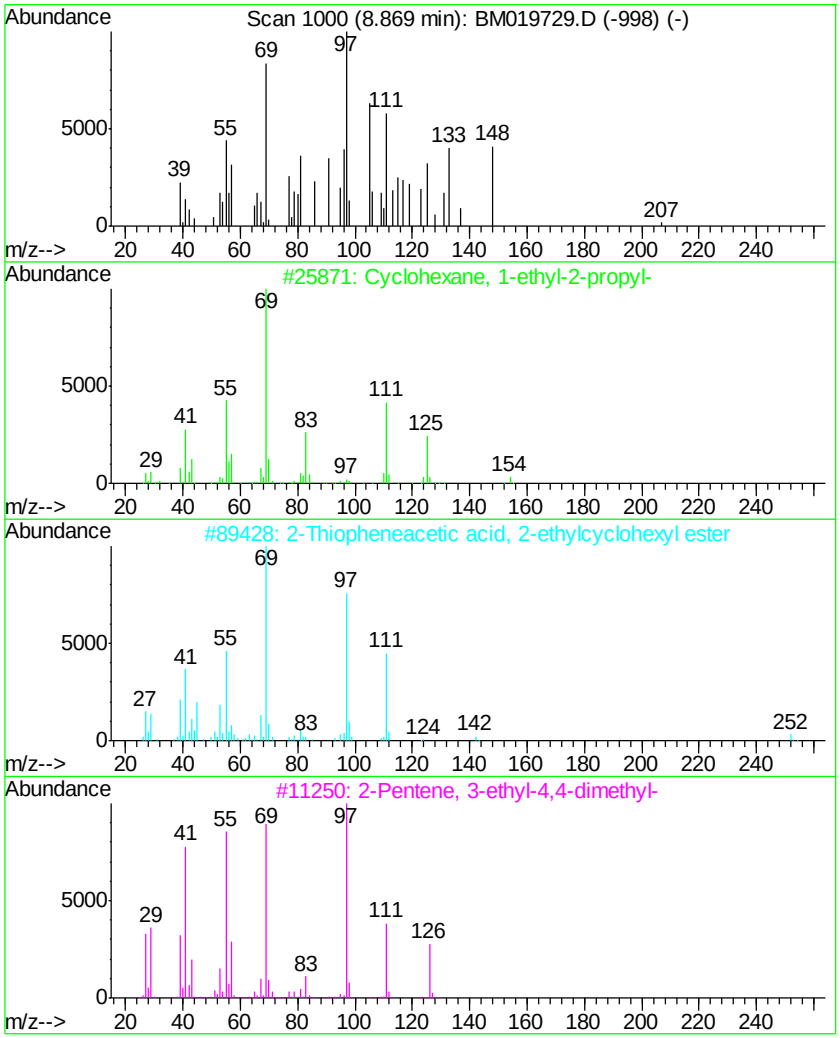
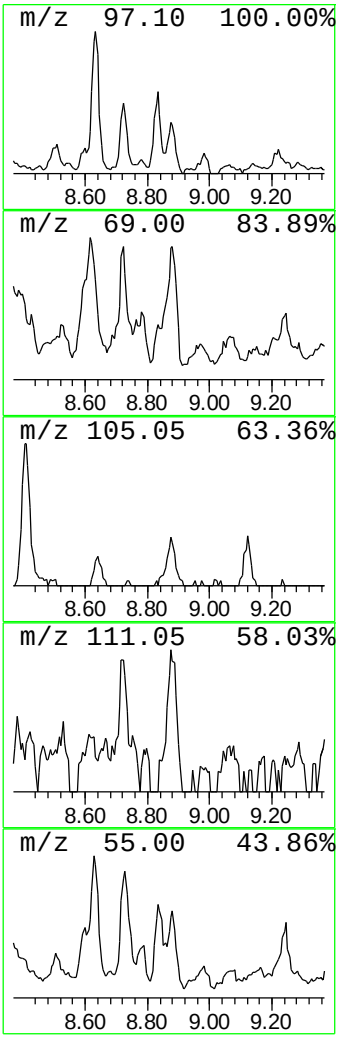
Peak Number 11 (DEL) Alkane: Cyclic8.87 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	2.25 ng/ul	126093	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	42
2	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	38
3	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	37
4	1-Hexyne, 3-ethoxy-3,4-dimethyl-	154	C10H18O	054244-91-6	32
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	27





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Quant Title : SVOA CALIBRATION

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

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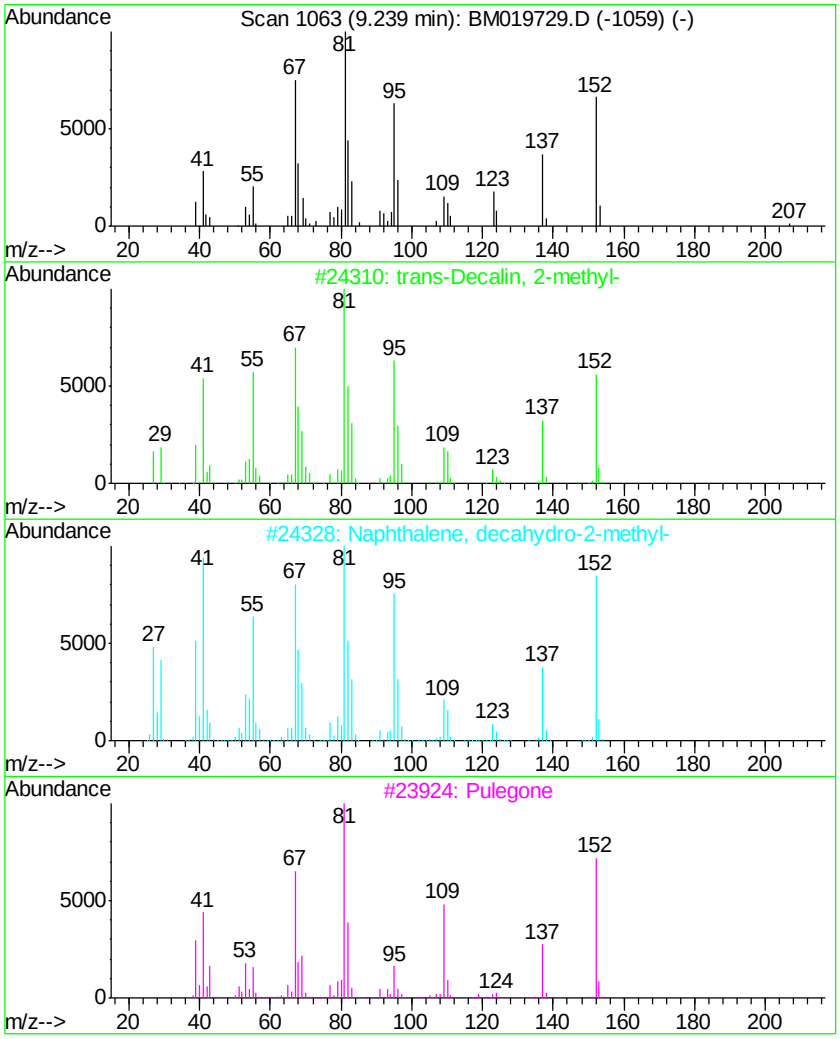
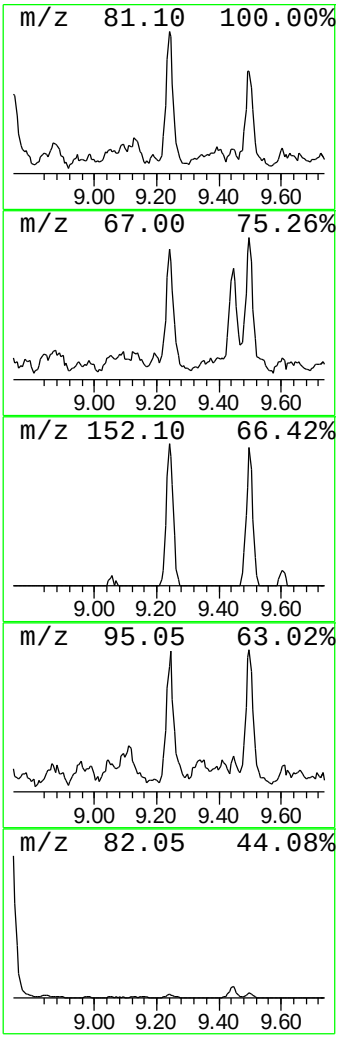
Peak Number 12 trans-Decalin, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	2.09 ng/ul	175773	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3	Pulegone	152	C10H16O	000089-82-7	87
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	87
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	80





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ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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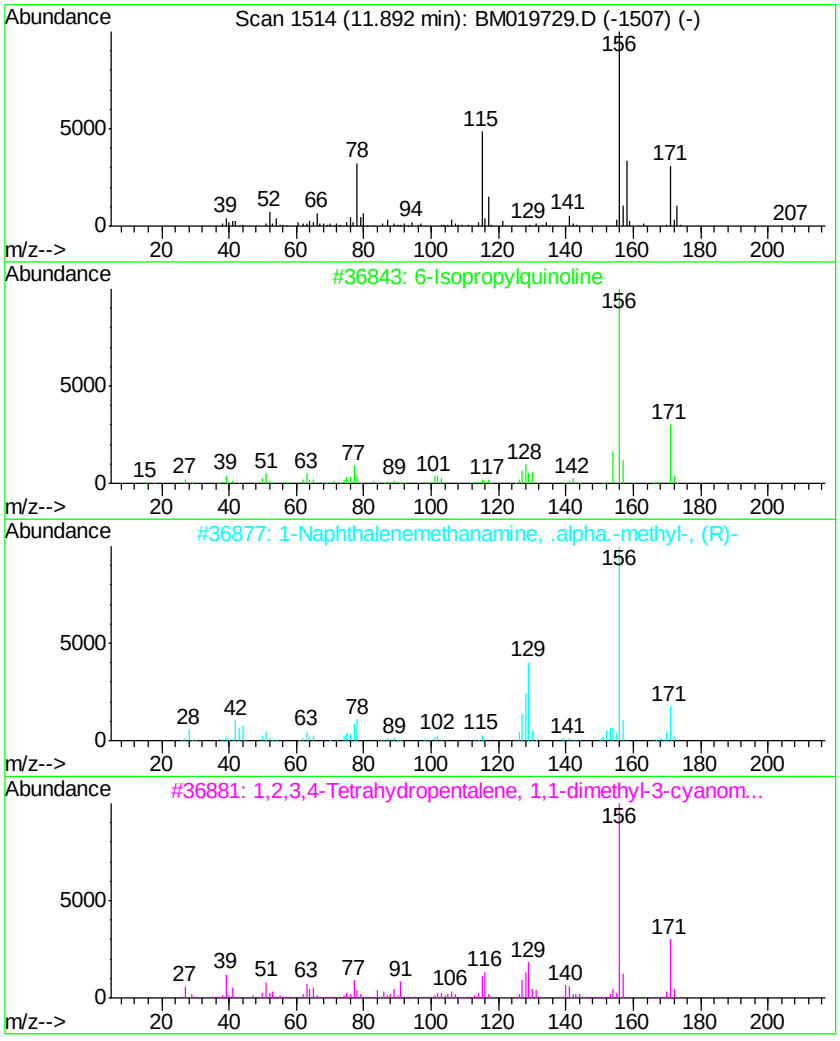
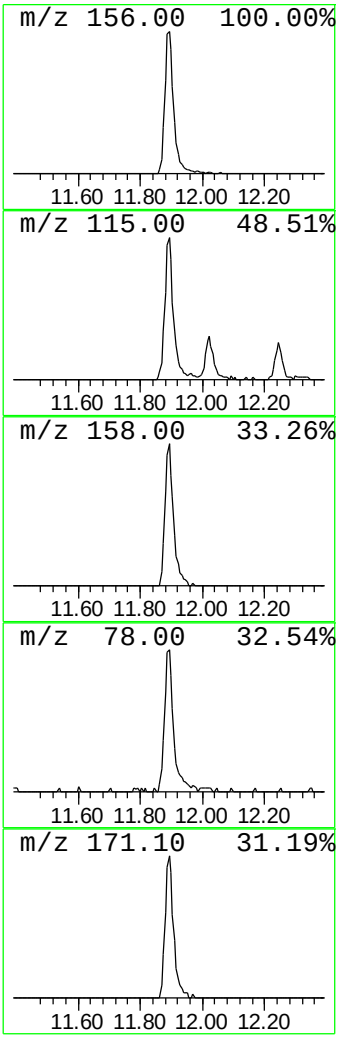
Peak Number 13 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.70 ng/ul	311607	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	43
2	1-Naphthalenemethanamine, .alpha...	171	C12H13N	003886-70-2	43
3	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	37
4	Tebuthiuron	228	C9H16N4OS	034014-18-1	37
5	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32





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Quant Title : SVOA CALIBRATION

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

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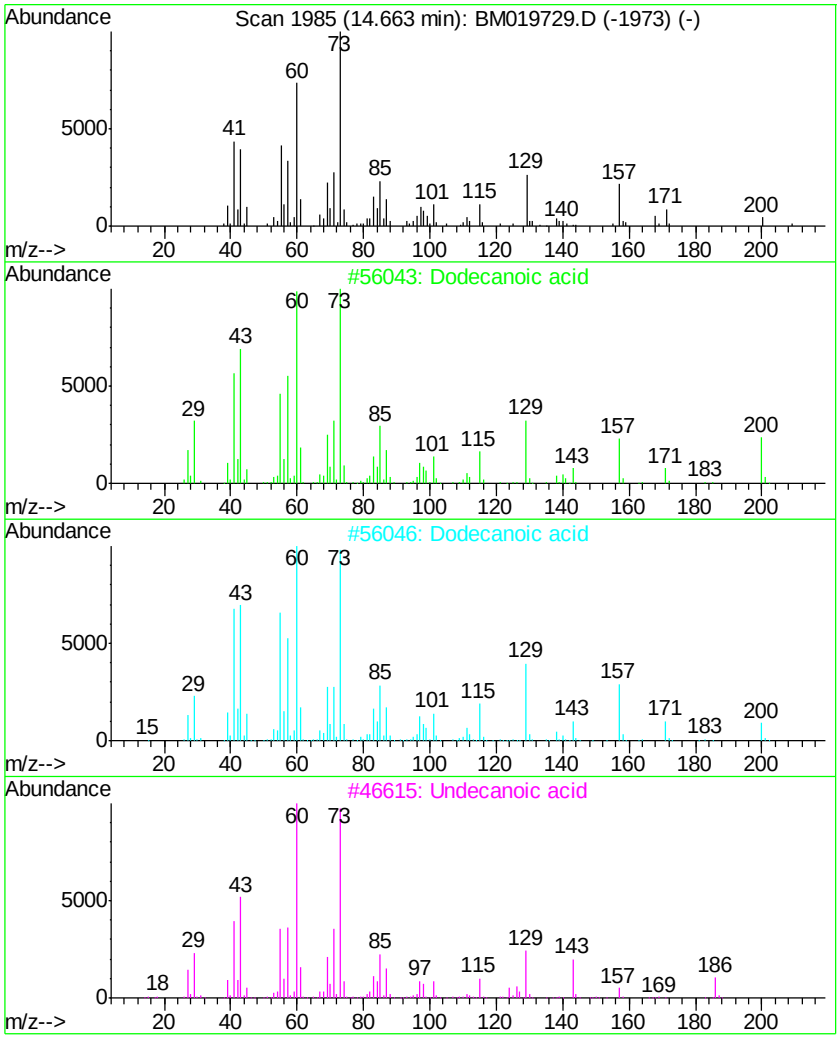
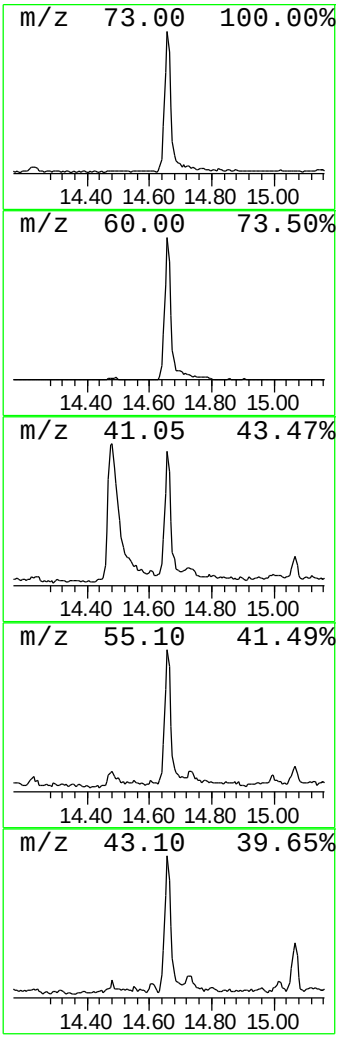
Peak Number 14 Dodecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.88 ng/ul	440608	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	93
2	Dodecanoic acid	200	C12H24O2	000143-07-7	87
3	Undecanoic acid	186	C11H22O2	000112-37-8	86
4	Undecanoic acid	186	C11H22O2	000112-37-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	74





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Quant Title : SVOA CALIBRATION

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

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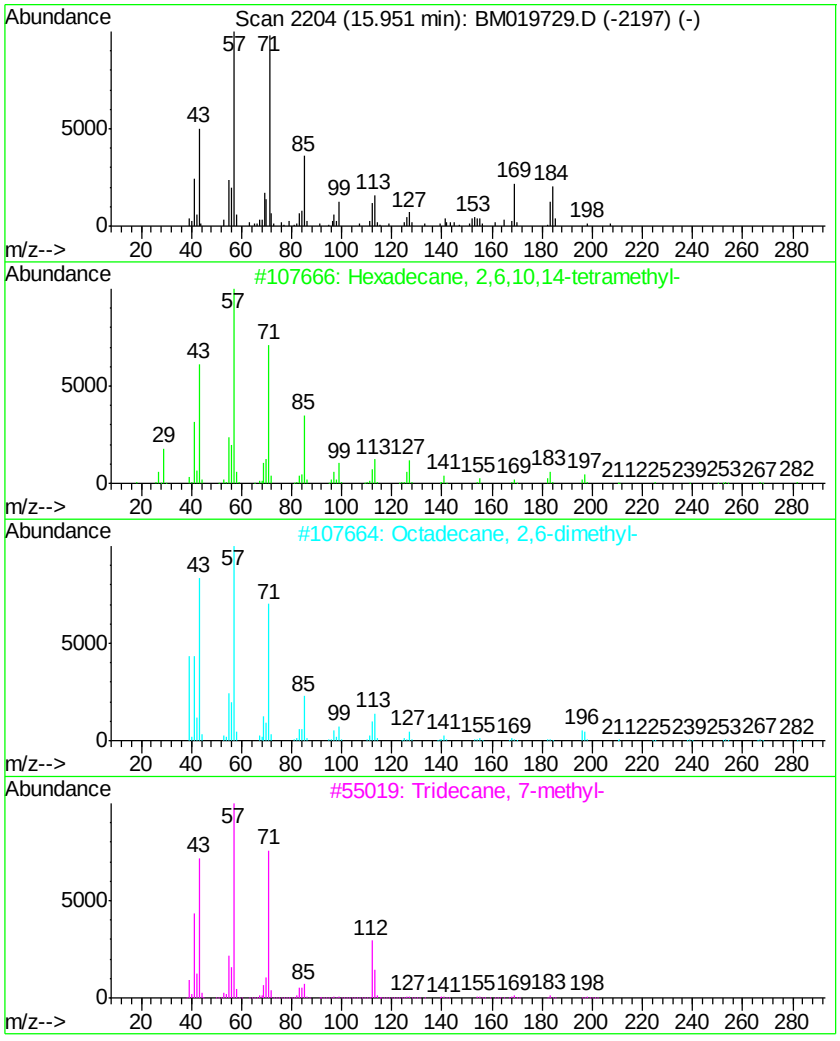
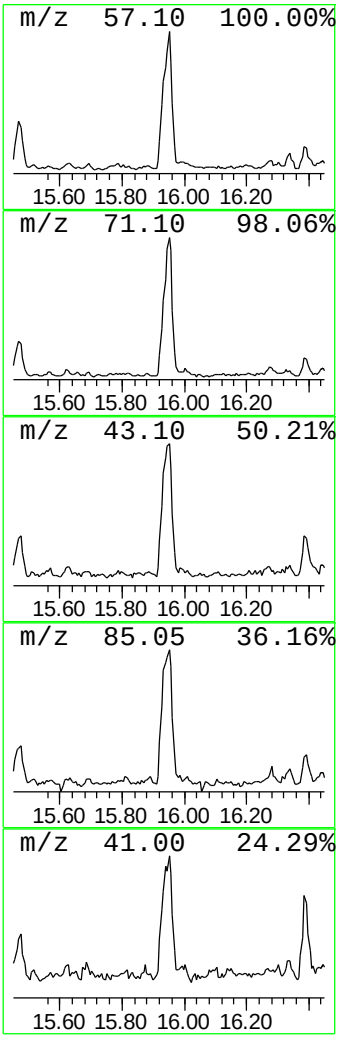
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.26 ng/ul	289535	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	64
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	60
4	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	58
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	58





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Quant Title : SVOA CALIBRATION

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

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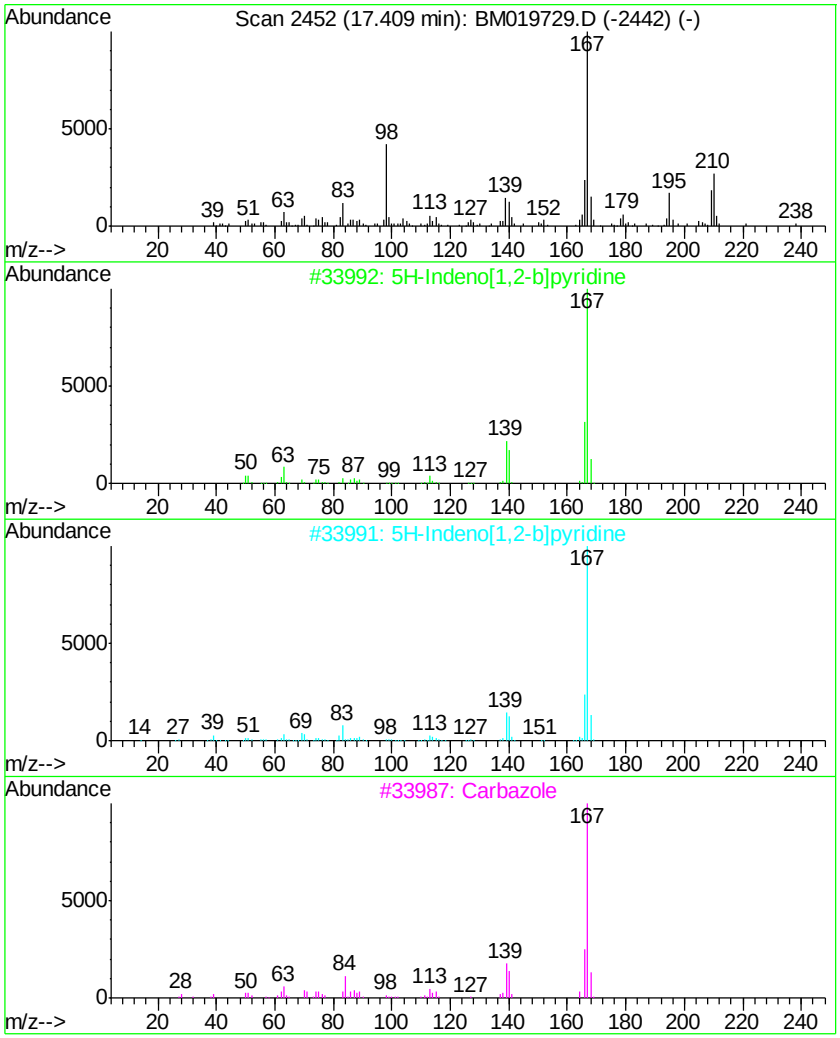
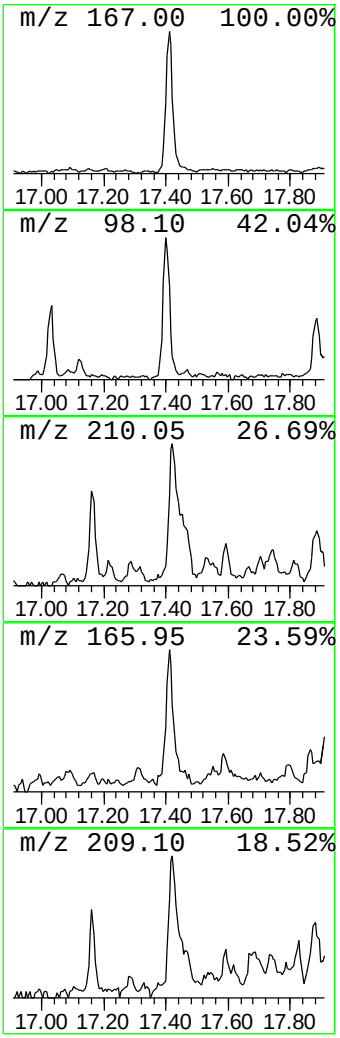
Peak Number 16 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	3.03 ng/ul	388065	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	60
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	60
3	Carbazole	167	C12H9N	000086-74-8	60
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	53
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	53





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Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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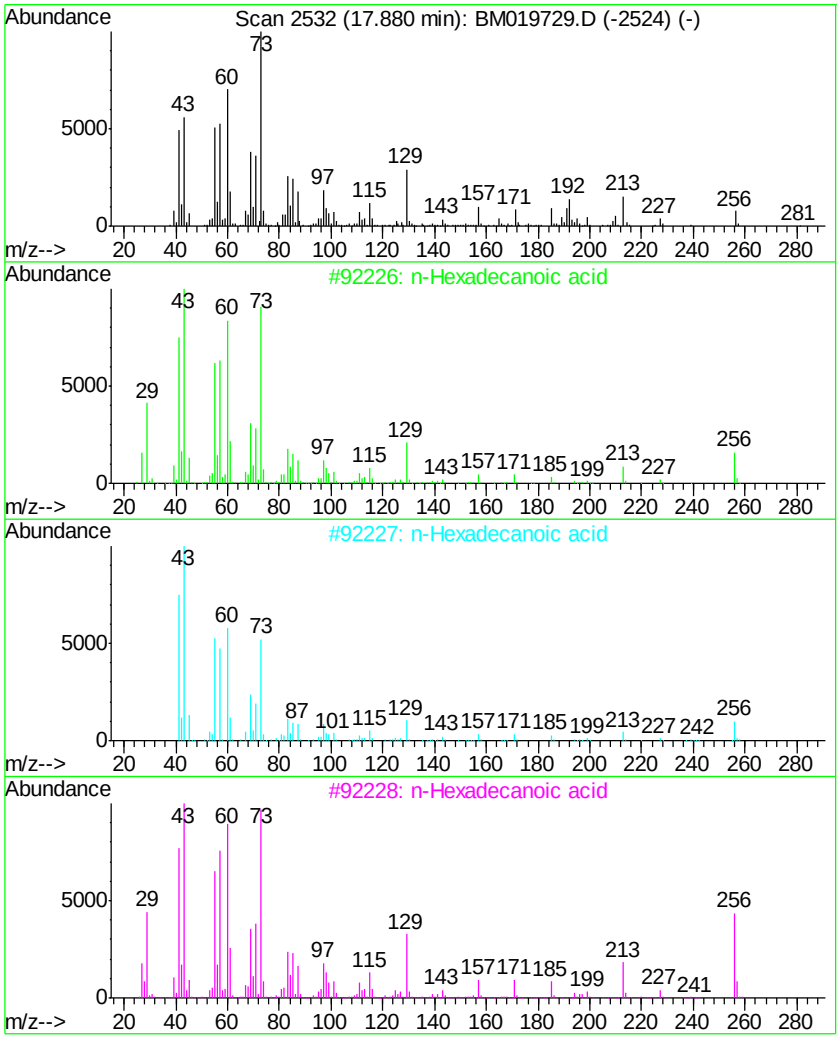
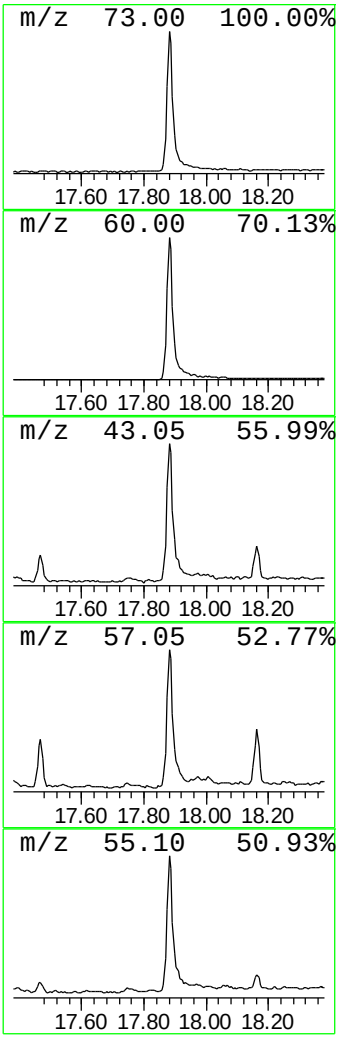
Peak Number 17 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	10.28 ng/ul	1314770	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	50





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Misc :
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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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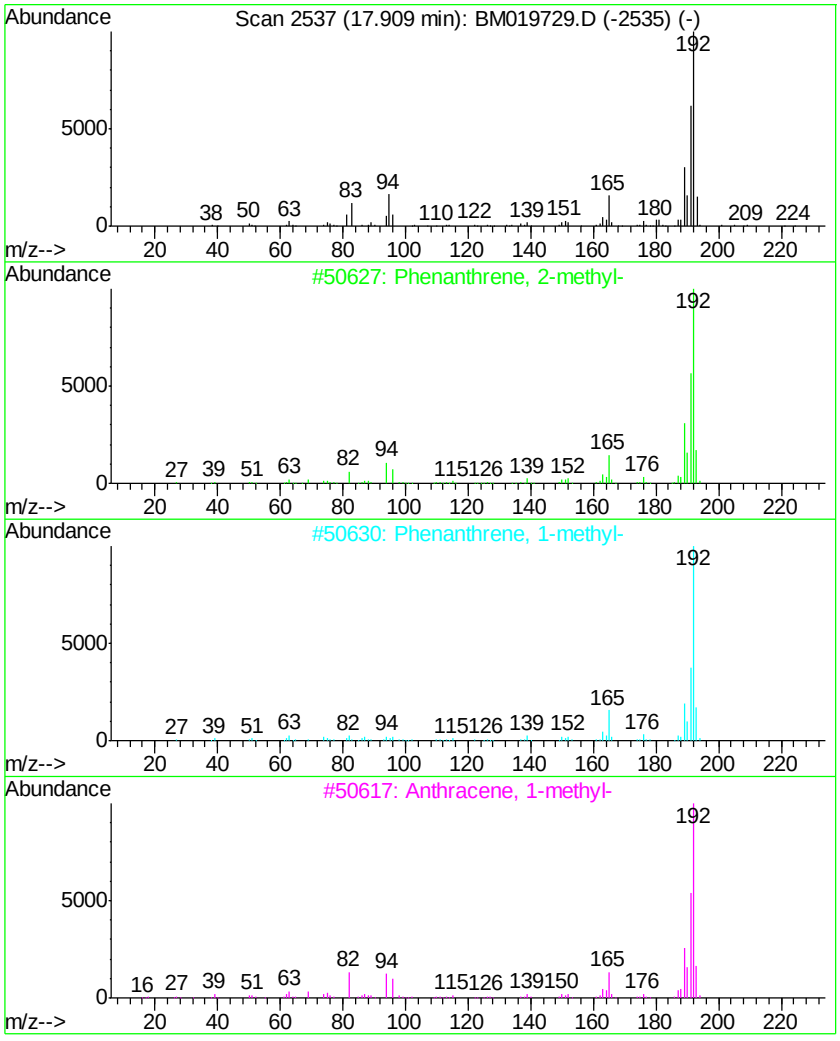
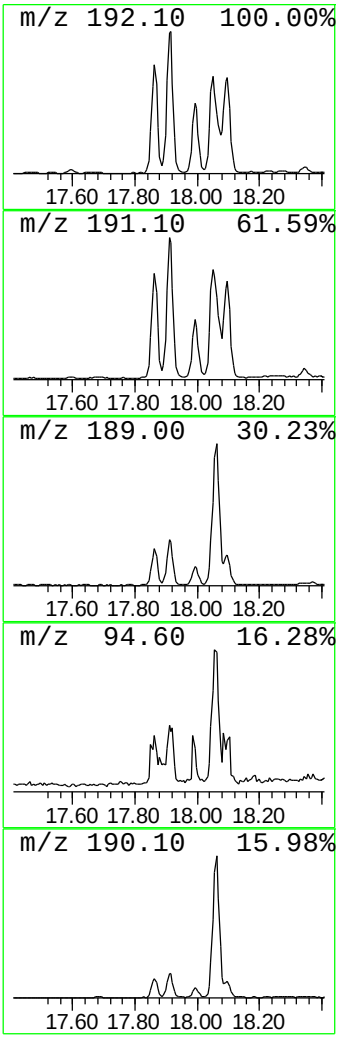
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	4.56 ng/ul	582898	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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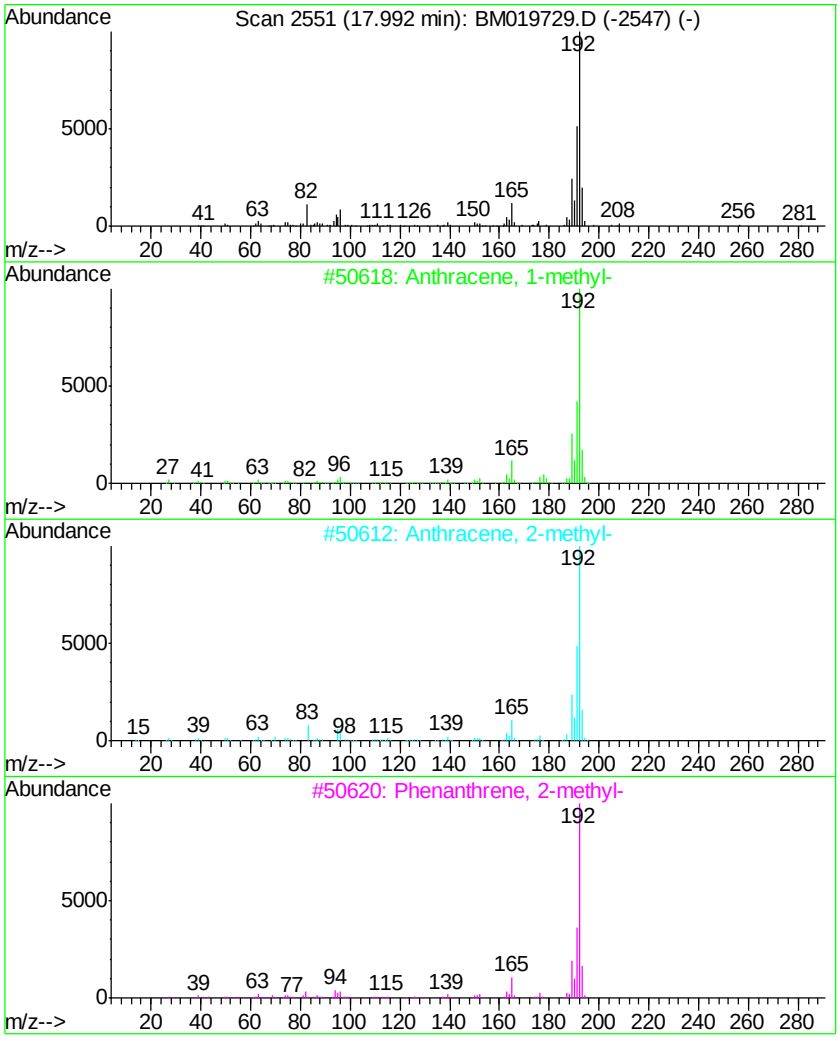
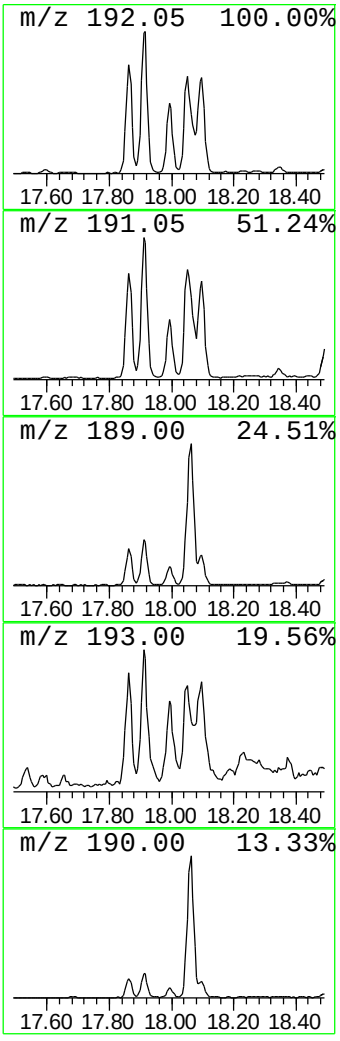
Peak Number 19 Anthracene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.07 ng/ul	265082	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

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Sample : K2148-10
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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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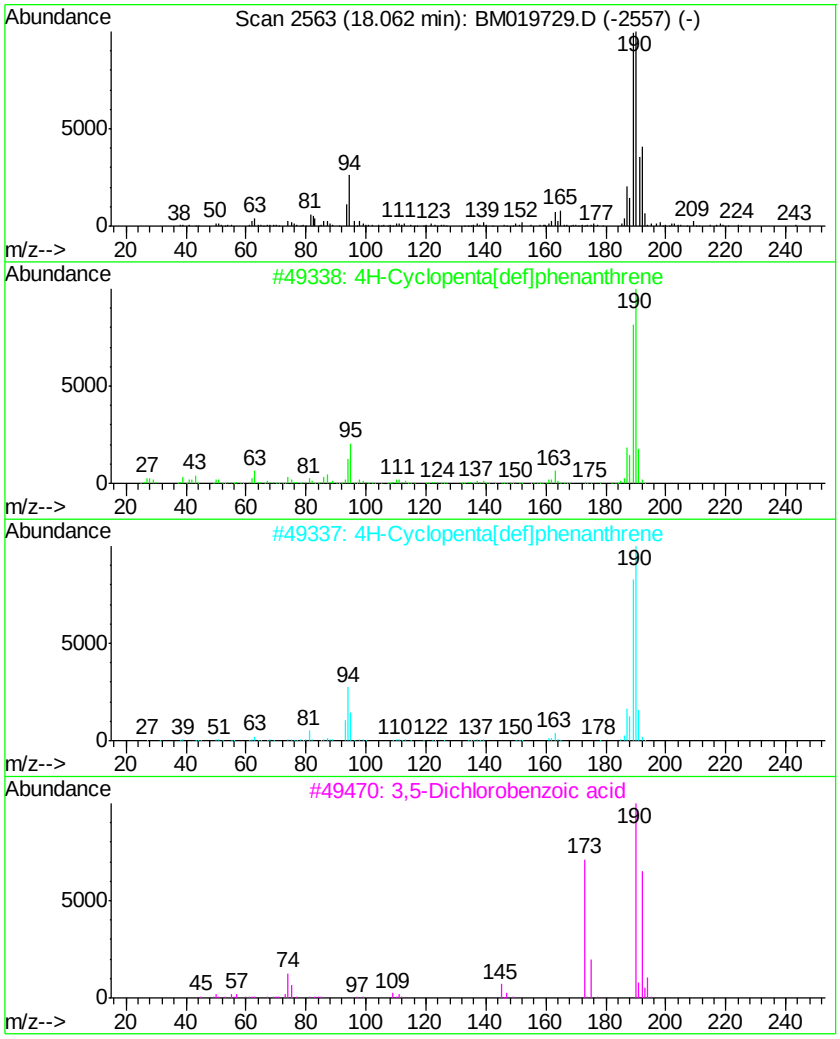
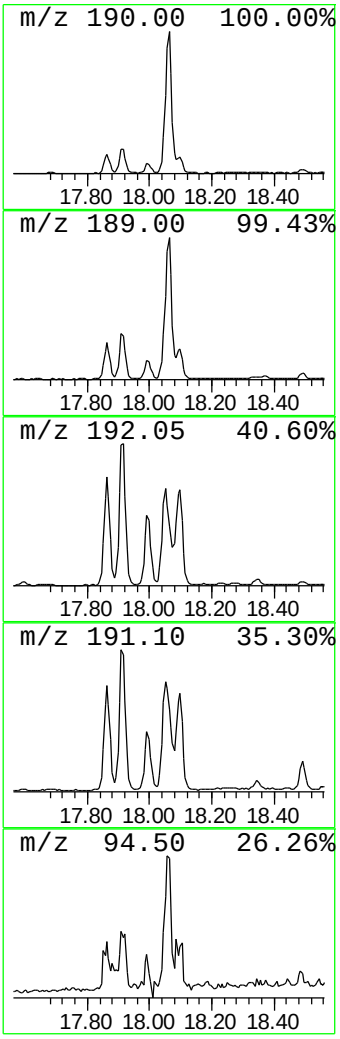
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	6.15 ng/ul	786726	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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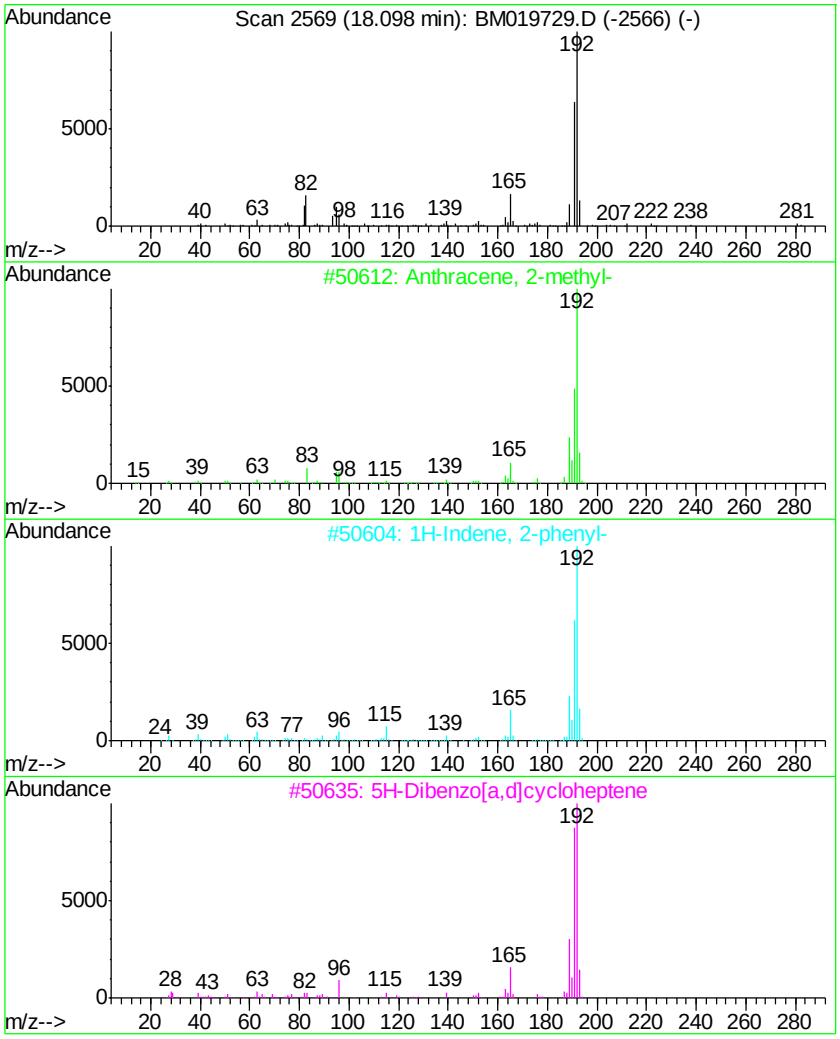
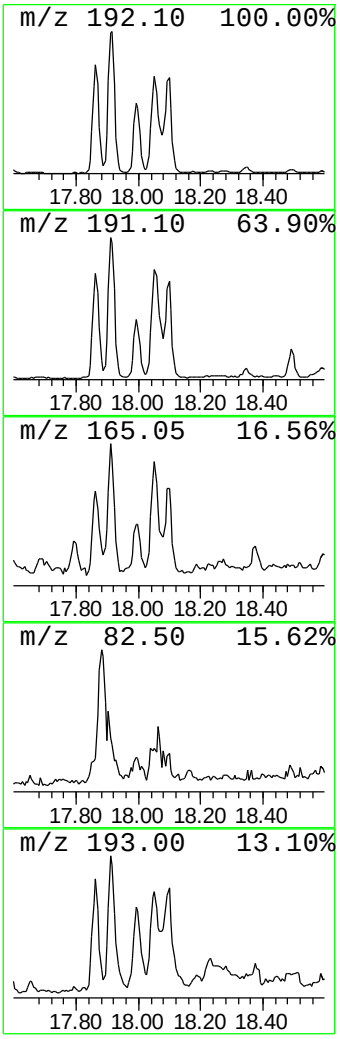
Peak Number 21 Anthracene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.38 ng/ul	304690	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	76
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72





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Sample : K2148-10
Misc :
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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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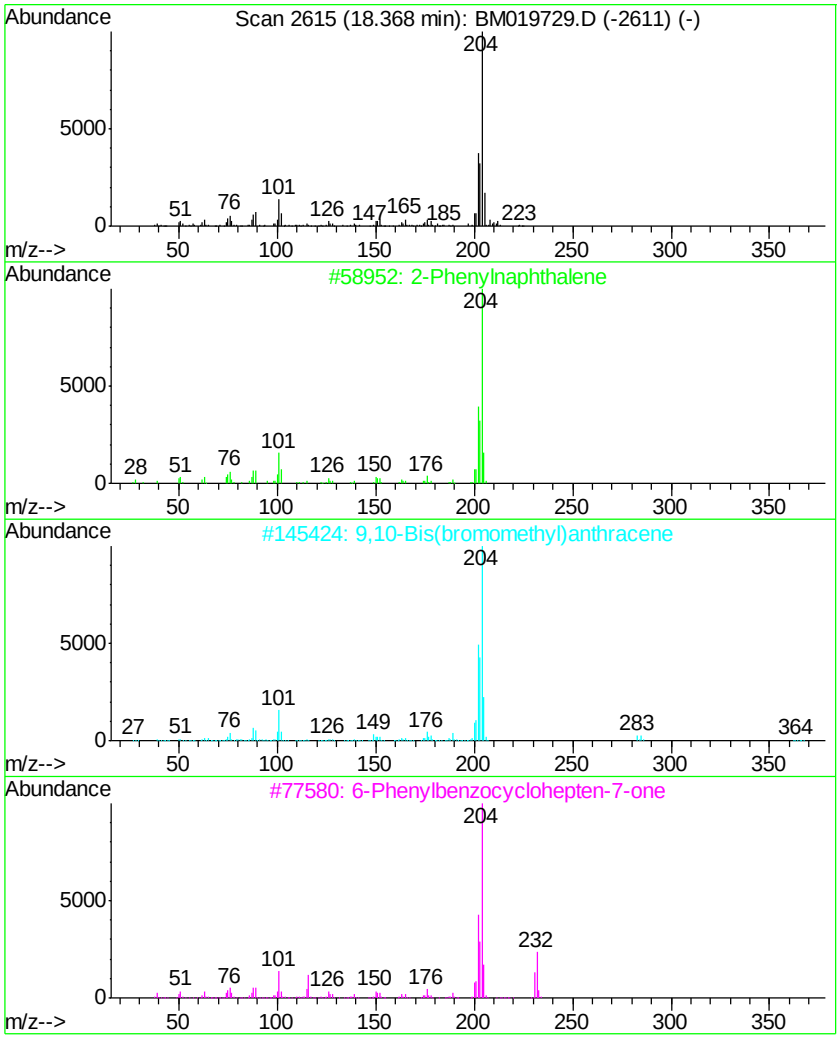
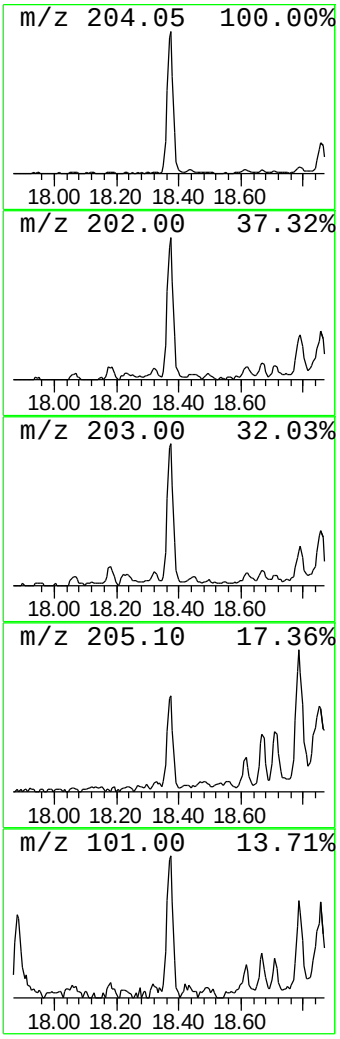
Peak Number 22 2-Phenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.48 ng/ul	316925	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86





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Sample : K2148-10
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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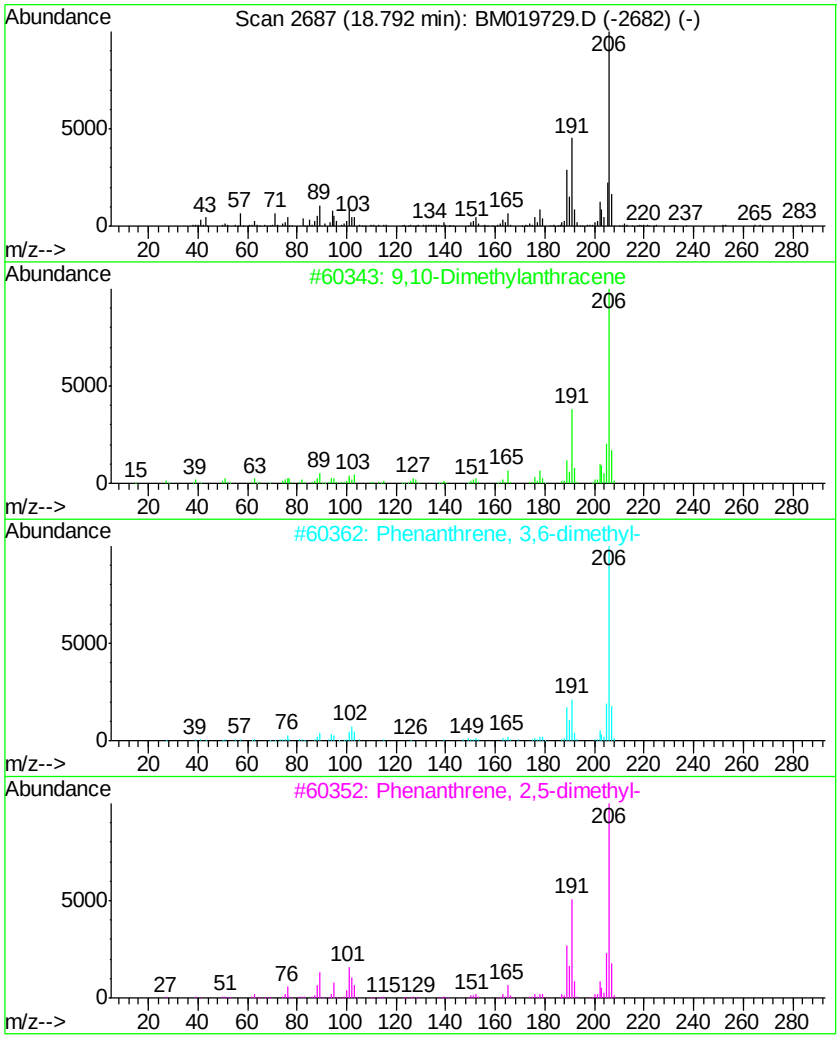
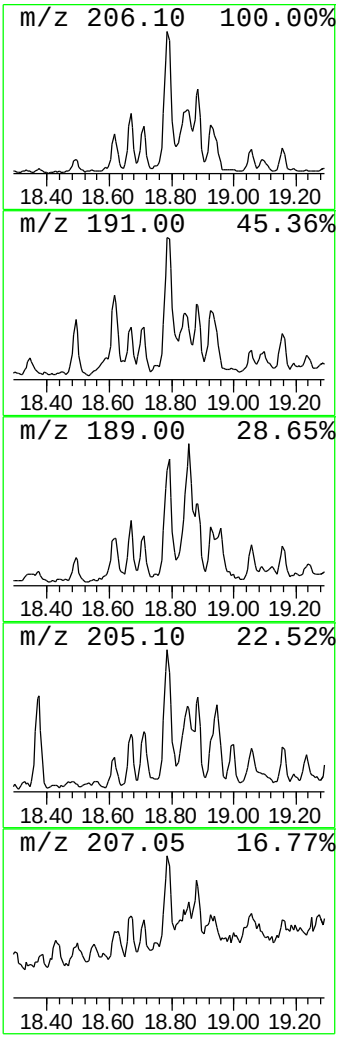
Peak Number 23 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	4.06 ng/ul	518873	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Sample : K2148-10
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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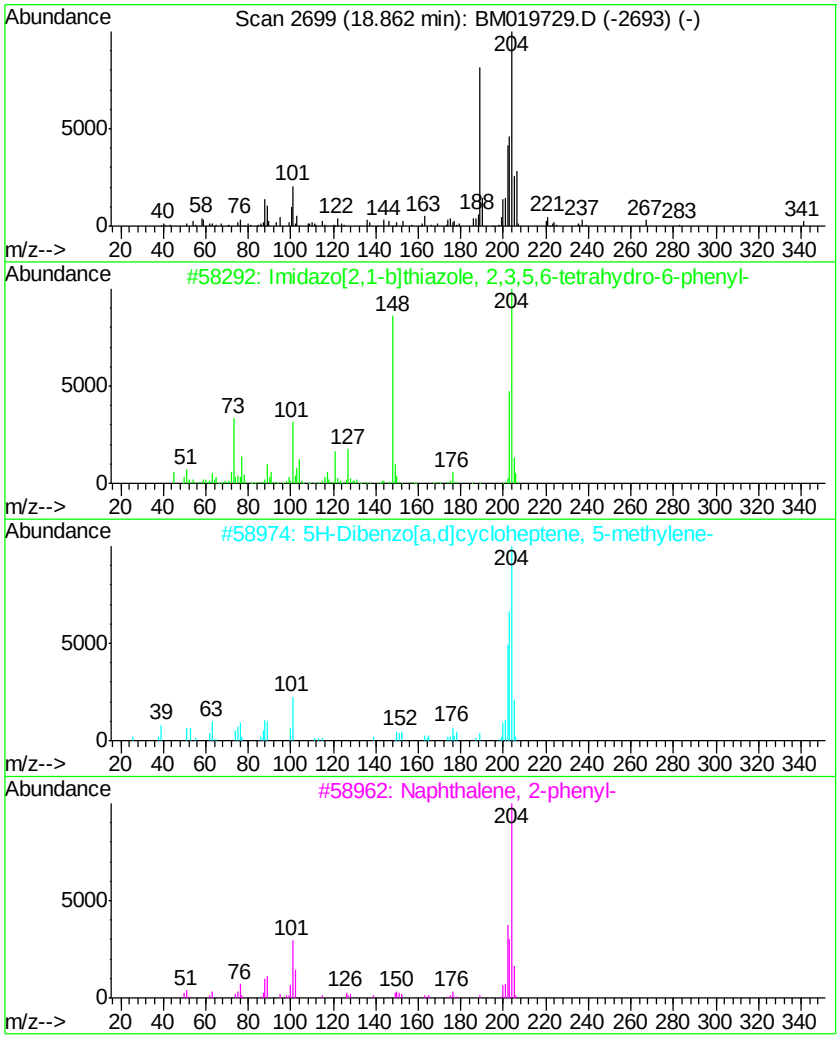
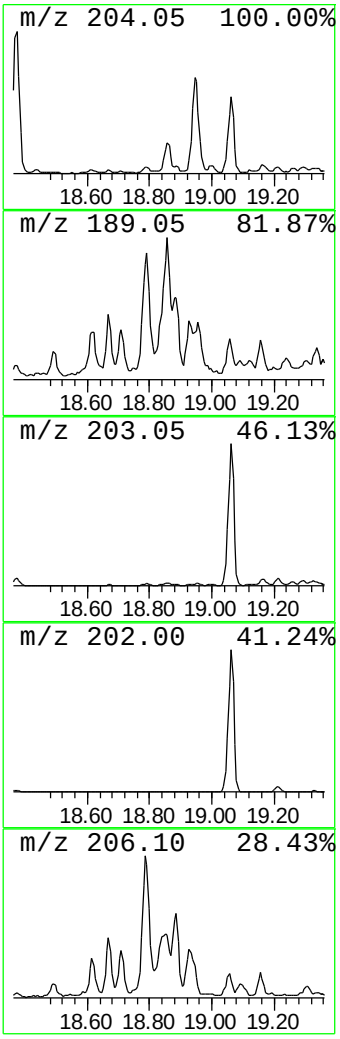
Peak Number 24 unknown-04 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.02 ng/ul	258942	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	006649-23-6	38
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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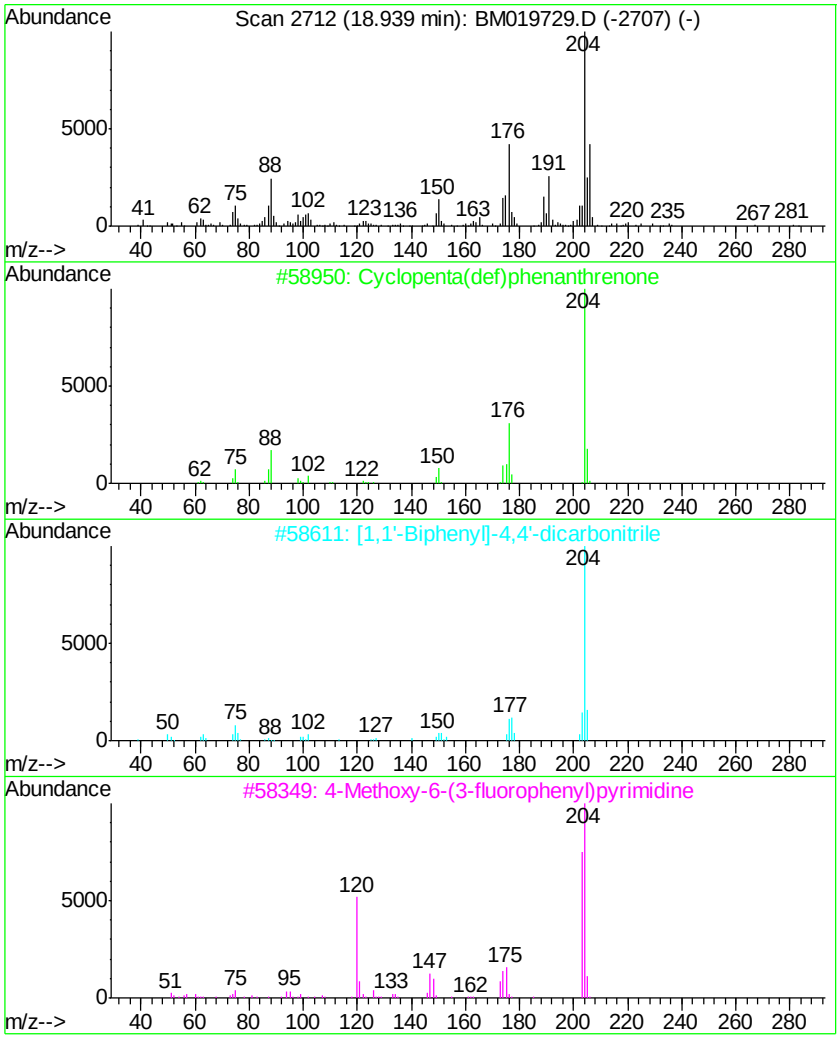
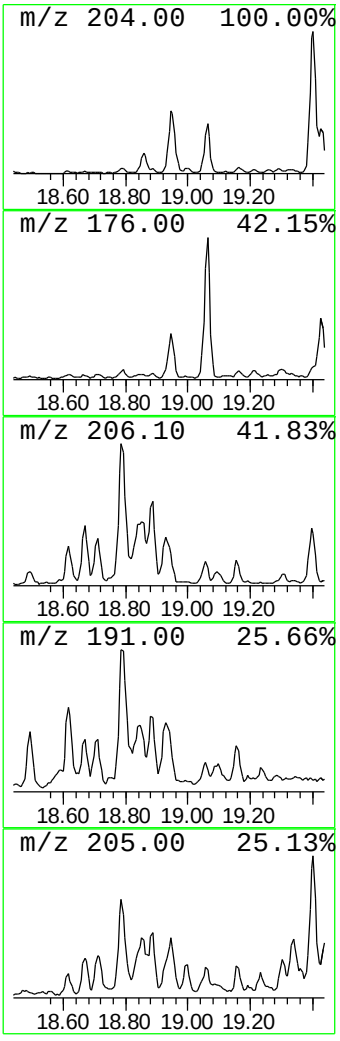
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	3.06 ng/ul	391494	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42





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Quant Title : SVOA CALIBRATION

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

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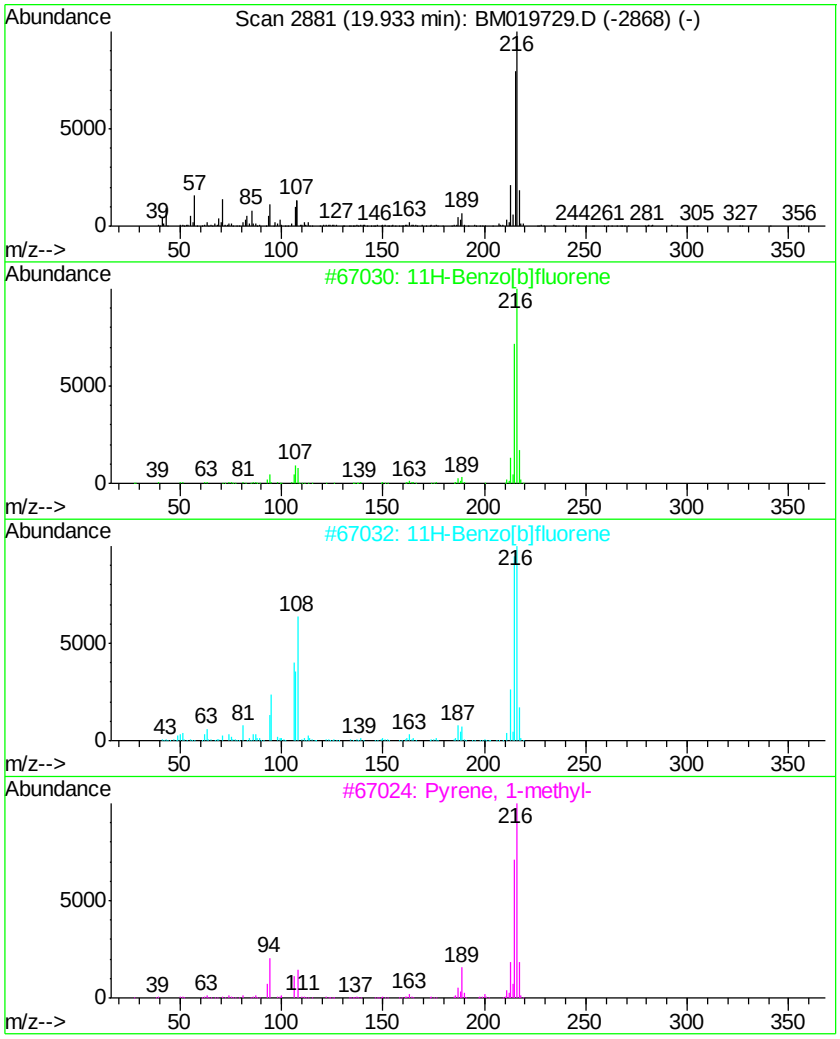
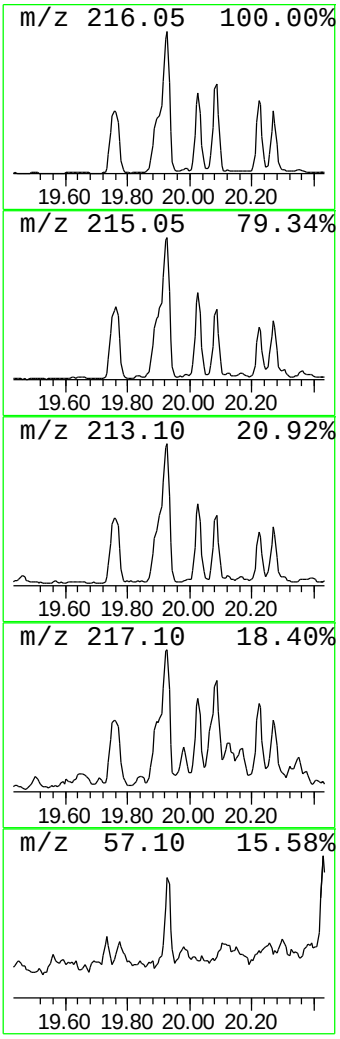
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	4.91 ng/ul	1508700	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Quant Title : SVOA CALIBRATION

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

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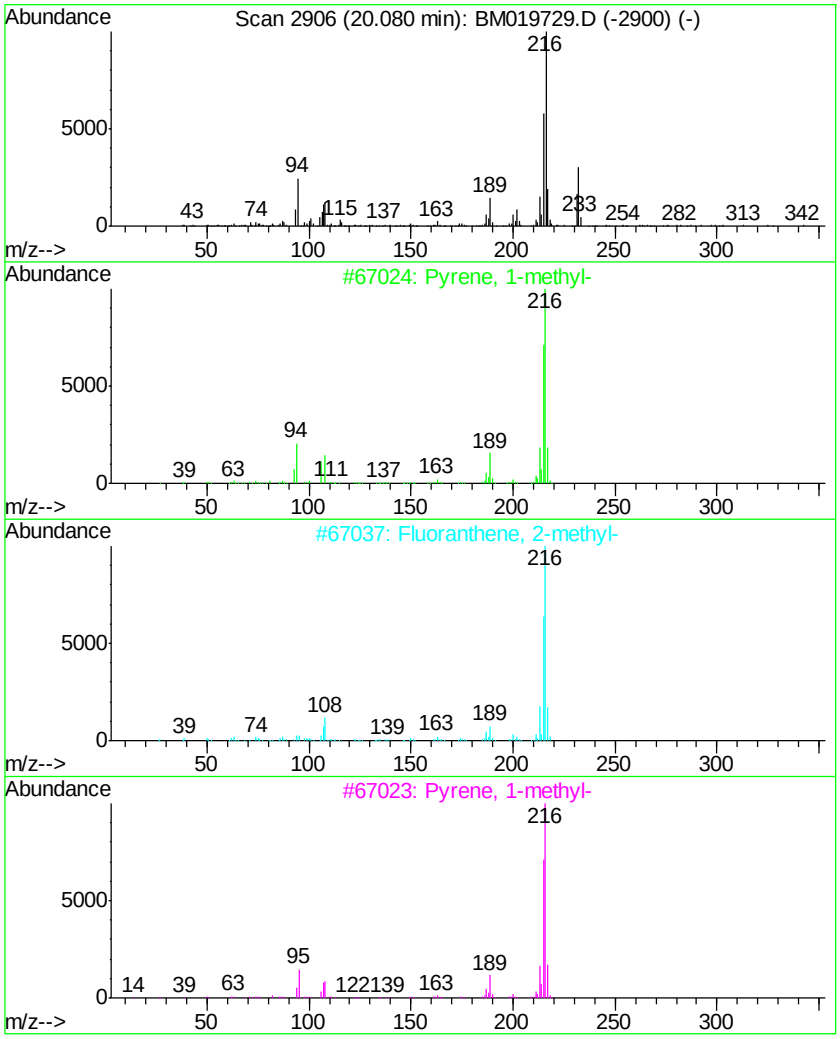
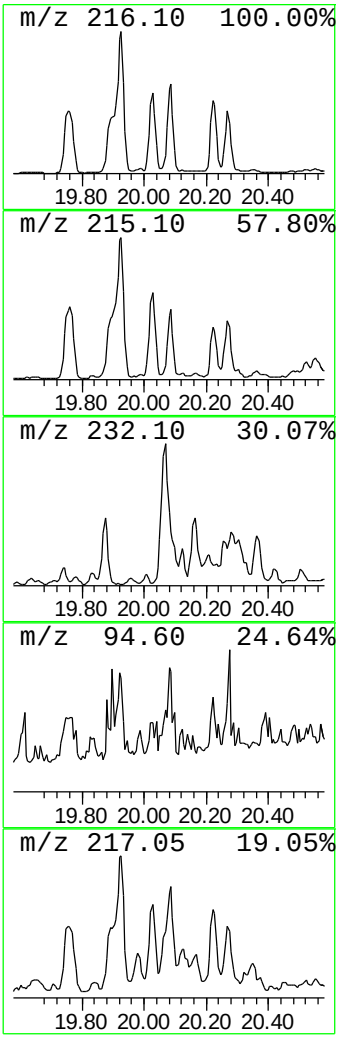
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.29 ng/ul	702707	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Sample : K2148-10
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Instrument : BNA_M
ClientSampleId : BF5F7

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Quant Title : SVOA CALIBRATION

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

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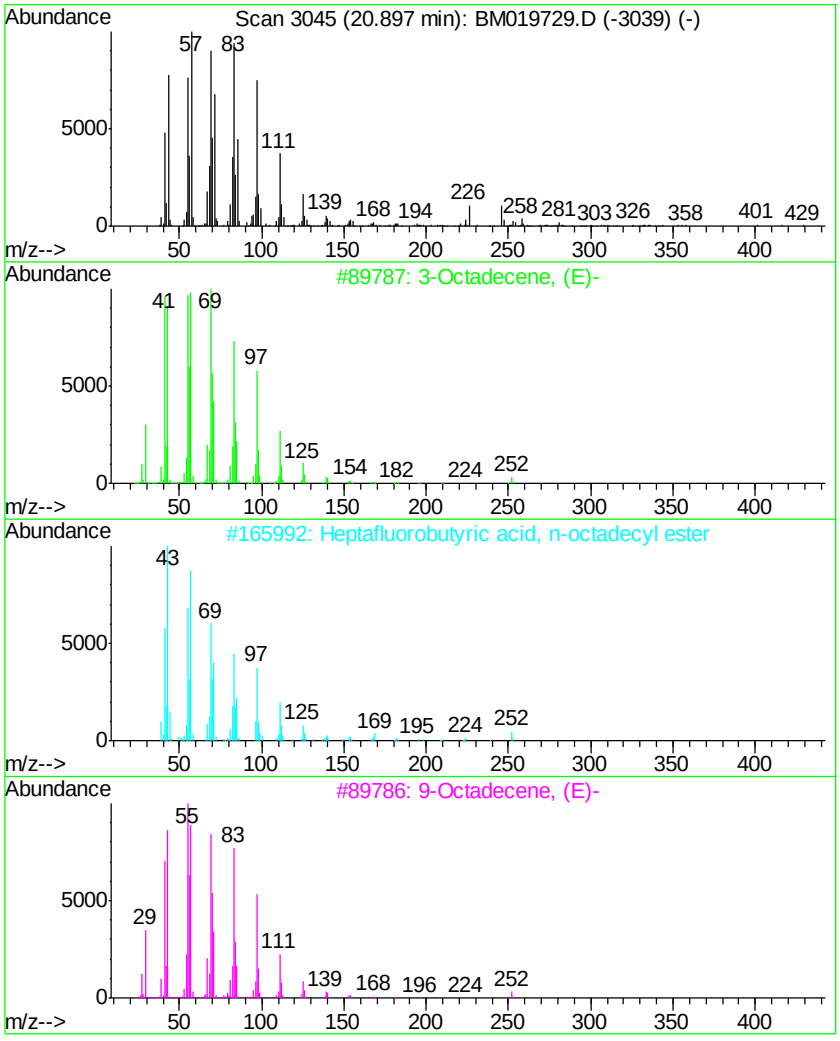
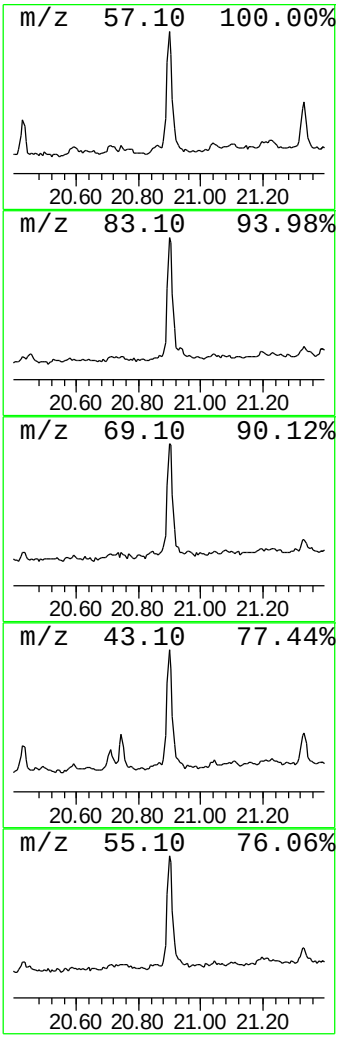
Peak Number 28 (DEL) Alkane: Cyclic20.90 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	7.05 ng/ul	2164070	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	95
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
3	9-Octadecene, (E)-	252	C18H36	007206-25-9	91
4	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	91
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	90





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Data File : BM019729.D
Acq On : 03 Apr 2019 14:29
Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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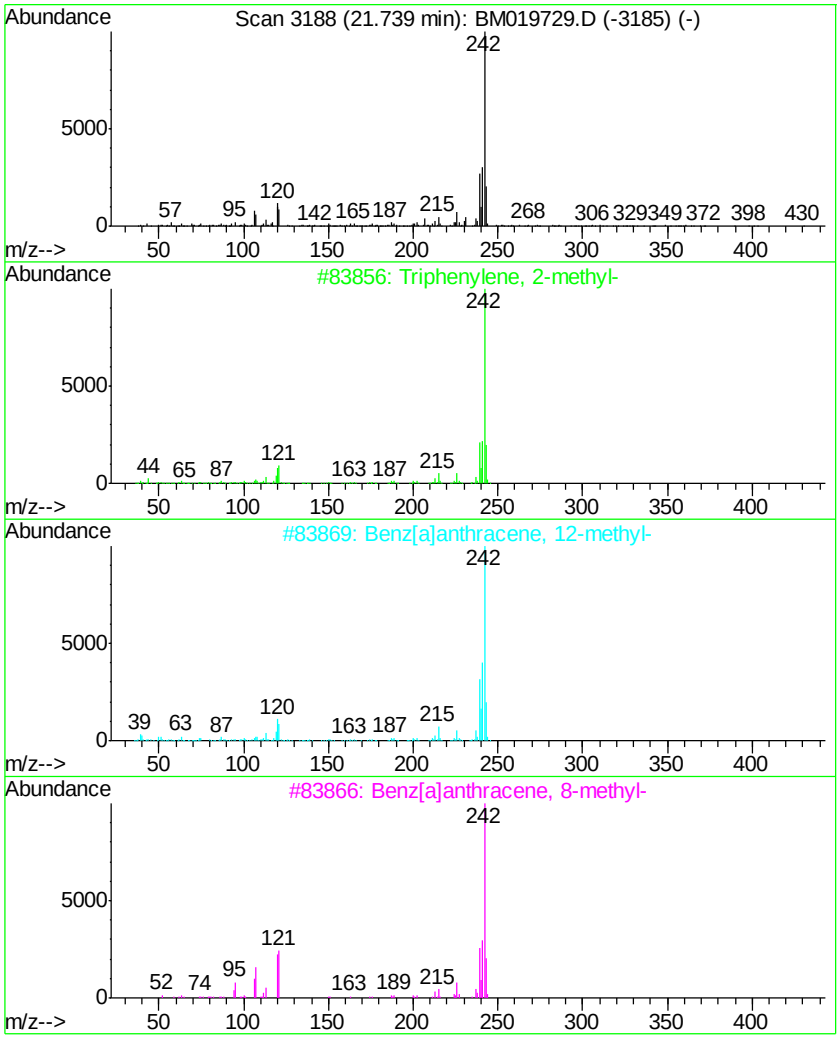
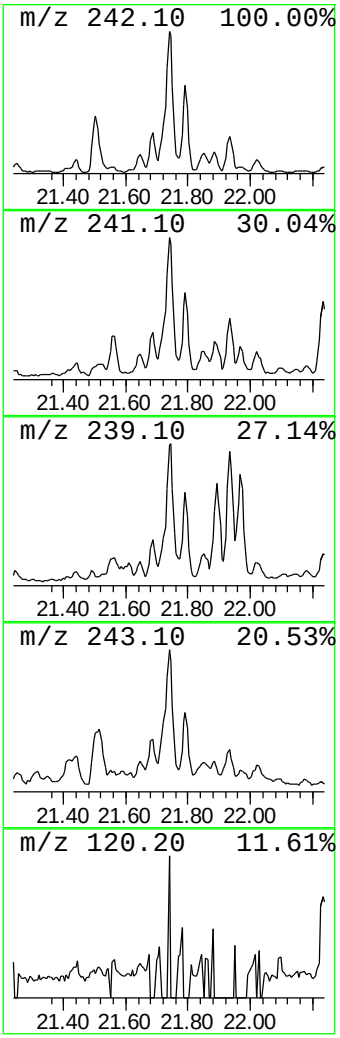
Peak Number 29 Triphenylene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	2.19 ng/ul	671717	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019729.D
Acq On : 03 Apr 2019 14:29
Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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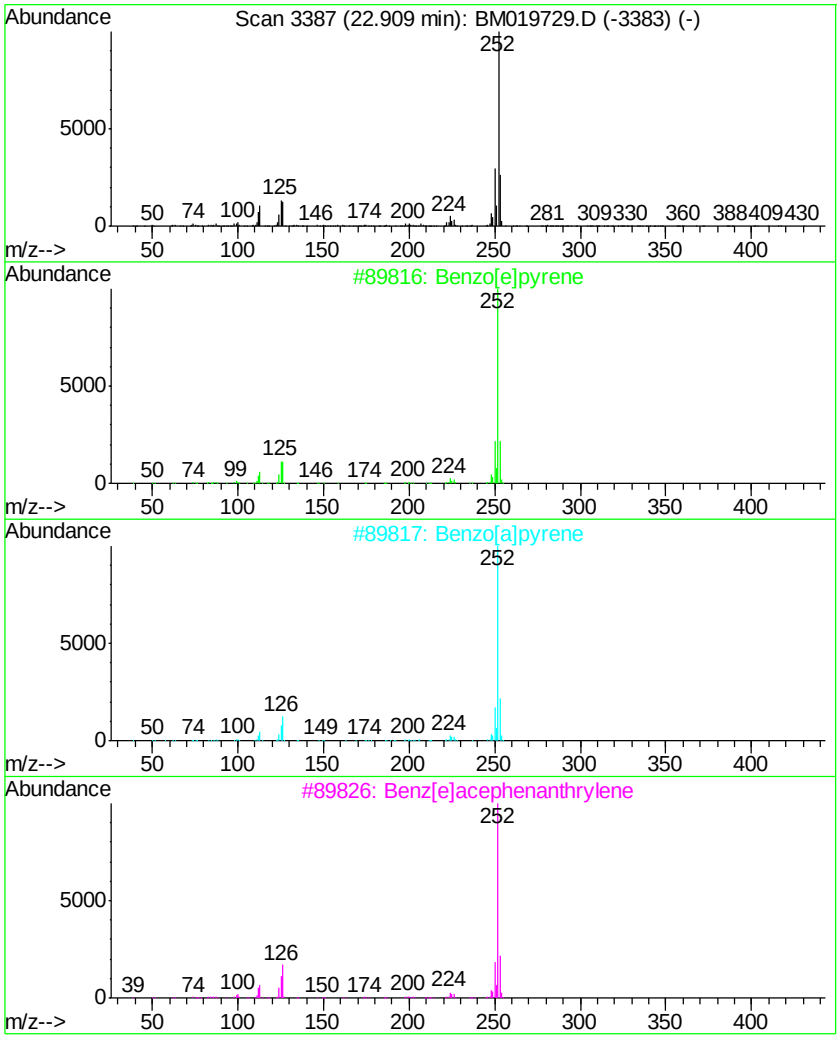
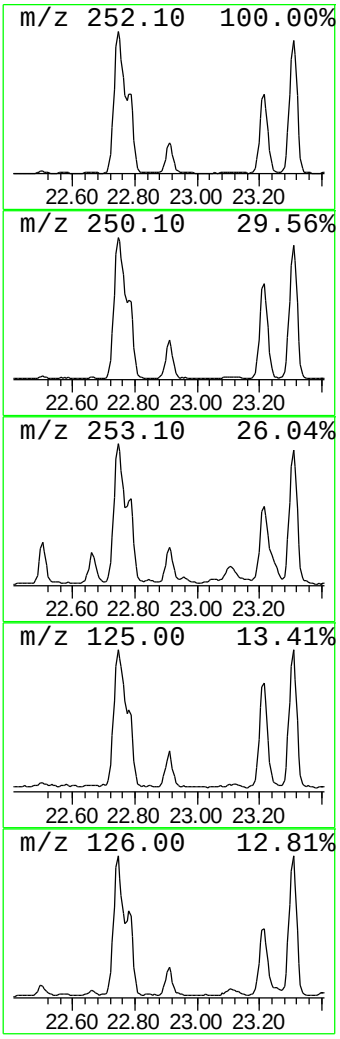
Peak Number 30 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.91	7.91 ng/ul	702034	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019729.D
Acq On : 03 Apr 2019 14:29
Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF5F7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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
2-Pentanone, 4-hy...	4.73	21.2	ng/ul	1187920	1	7.56	1122790	20.0
(DEL) Alkane: Cyc...	5.82	2.5	ng/ul	137954	1	7.56	1122790	20.0
unknown-01	6.06	2.4	ng/ul	133789	1	7.56	1122790	20.0
(DEL) Alkane: Cyc...	6.18	3.3	ng/ul	185337	1	7.56	1122790	20.0
(DEL) Alkane: Cyc...	6.68	2.5	ng/ul	140259	1	7.56	1122790	20.0
(DEL) Alkane: Cyc...	7.02	2.8	ng/ul	159540	1	7.56	1122790	20.0
unknown-02	7.45	2.5	ng/ul	140564	1	7.56	1122790	20.0
(DEL) Alkane: Str...	7.71	2.0	ng/ul	113826	1	7.56	1122790	20.0
(DEL) Alkane: Cyc...	7.81	3.5	ng/ul	194569	1	7.56	1122790	20.0
Naphthalene, deca...	8.36	3.8	ng/ul	210366	1	7.56	1122790	20.0
(DEL) Alkane: Cyc...	8.87	2.3	ng/ul	126093	1	7.56	1122790	20.0
trans-Decalin, 2-...	9.24	2.1	ng/ul	175773	2	10.35	1682570	20.0
unknown-03	11.89	3.7	ng/ul	311607	2	10.35	1682570	20.0
Dodecanoic acid	14.66	3.9	ng/ul	440608	3	14.23	2270760	20.0
(DEL) Alkane: Str...	15.95	2.3	ng/ul	289535	4	16.99	2557860	20.0
5H-Indeno[1,2-b]p...	17.41	3.0	ng/ul	388065	4	16.99	2557860	20.0
n-Hexadecanoic acid	17.88	10.3	ng/ul	1314770	4	16.99	2557860	20.0
Phenanthrene, 2-m...	17.91	4.6	ng/ul	582898	4	16.99	2557860	20.0
Anthracene, 1-met...	17.99	2.1	ng/ul	265082	4	16.99	2557860	20.0
4H-Cyclopenta[def...	18.06	6.2	ng/ul	786726	4	16.99	2557860	20.0
Anthracene, 2-met...	18.10	2.4	ng/ul	304690	4	16.99	2557860	20.0
2-Phenylnaphthalene	18.37	2.5	ng/ul	316925	4	16.99	2557860	20.0
9,10-Dimethylanth...	18.79	4.1	ng/ul	518873	4	16.99	2557860	20.0
unknown-04	18.86	2.0	ng/ul	258942	4	16.99	2557860	20.0
Cyclopenta(def)ph...	18.94	3.1	ng/ul	391494	4	16.99	2557860	20.0
11H-Benzo[b]fluorene	19.93	4.9	ng/ul	1508700	5	21.20	6140270	20.0
Pyrene, 1-methyl-	20.08	2.3	ng/ul	702707	5	21.20	6140270	20.0
(DEL) Alkane: Cyc...	20.90	7.0	ng/ul	2164070	5	21.20	6140270	20.0
Triphenylene, 2-m...	21.74	2.2	ng/ul	671717	5	21.20	6140270	20.0
Benzo[e]pyrene	22.91	7.9	ng/ul	702034	6	23.40	1775660	20.0