LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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	3.116	19	22	29	rBV	44648	60860	1.20%	0.092%
2	3.616	103	107	114	rVB	55876	75426	1.49%	0.114%
3	5.087	351	357	363	rBV	24367	37207	0.73%	0.056%
4	5.216	375	379	388	rBV	42557	81739	1.61%	0.124%
5	5.569	434	439	450	rBV3	32830	72713	1.44%	0.110%
6	6.634	615	620	627	rBV2	37145	63077	1.25%	0.096%
7	6.751	634	640	661	rVB	281957	584695	11.54%	0.885%
8	6.916	661	668	678	rBV	237524	455090	8.99%	0.689%
9	7.093	692	698	711	rBV	386428	639349	12.62%	0.968%
10	7.193	711	715	727	rVB2	37833	70758	1.40%	0.107%
11	7.557	770	777	785	rBV	619894	977182	19.29%	1.480%
12	8.087	861	867	877	rVV2	22925	44374	0.88%	0.067%
13	8.281	893	900	915	rBV	387693	741377	14.64%	1.123%
14	8.398	915	920	928	rVB2	16959	38822	0.77%	0.059%
15	8.728	970	976	986	rVV	316119	568189	11.22%	0.860%
16	9.440	1091	1097	1109	rBV	256708	468298	9.25%	0.709%
17	9.981	1183	1189	1203	rBV	331895	686048	13.55%	1.039%
18	10.334	1242	1249	1255	rBV	747526	1272722	25.13%	1.927%
19	10.386	1255	1258	1263	rVB	35784	56334	1.11%	0.085%
20	10.510	1270	1279	1302	rBV	199924	516699	10.20%	0.782%
21	11.404	1425	1431	1441	rVB	110324	172889	3.41%	0.262%
22	11.751	1483	1490	1498	rBV4	30373	72135	1.42%	0.109%
23	12.410	1593	1602	1607	rBV	30671	70088	1.38%	0.106%
24	13.457	1774	1780	1785	rVV3	21771	39764	0.79%	0.060%
25	13.598	1797	1804	1806	rVV5	20442	45351	0.90%	0.069%
26	13.639	1806	1811	1815	rVV	742258	1029410	20.33%	1.559%
27	13.686	1815	1819	1830	rVB3	246068	440675	8.70%	0.667%
28	13.869	1845	1850	1852	rVV3	28902	42204	0.83%	0.064%
29	13.910	1852	1857	1860	rVV	847442	1270419	25.08%	1.924%
30	13.945	1860	1863	1872	rVV	542334	822355	16.24%	1.245%
31	14.016	1872	1875	1883	rVB3	36678	69218	1.37%	0.105%
32	14.157	1893	1899	1903	rBV5	25435	51234	1.01%	0.078%
33	14.222	1903	1910	1916	rVV2	1128018	1668521	32.95%	2.527%
34	14.286	1918	1921	1929	rVB3	26369	55040	1.09%	0.083%

LSC Area Percent Report

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Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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	14.380	1932	1937	1942	rBV	27371	46330	0.91%	0.070%
36	14.504	1953	1958	1971	rBV3	99757	334582	6.61%	0.507%
37	14.651	1979	1983	1987	rBV	103453	128397	2.54%	0.194%
38	14.827	2009	2013	2019	rBV3	32828	52894	1.04%	0.080%
39	14.986	2036	2040	2048	rBV6	40043	83817	1.65%	0.127%
40	15.098	2055	2059	2065	rVB	81444	124081	2.45%	0.188%
41	15.221	2074	2080	2087	rBV	1160236	1645570	32.49%	2.492%
42	15.298	2087	2093	2098	rVB	49637	87439	1.73%	0.132%
43	15.386	2103	2108	2114	rBV3	58854	124492	2.46%	0.189%
44	15.627	2145	2149	2157	rVB5	36999	69513	1.37%	0.105%
45	15.727	2158	2166	2171	rBV9	25040	61625	1.22%	0.093%
46	15.774	2171	2174	2181	rVB	53657	82765	1.63%	0.125%
47	15.874	2187	2191	2196	rBV2	43744	60322	1.19%	0.091%
48	15.945	2197	2203	2207	rBV6	44658	92798	1.83%	0.141%
49	16.116	2229	2232	2238	rBV6	23938	46696	0.92%	0.071%
50	16.268	2254	2258	2261	rBV4	34639	58920	1.16%	0.089%
51	16.380	2272	2277	2282	rVB4	68191	110051	2.17%	0.167%
52	16.745	2335	2339	2345	rVB	131833	164721	3.25%	0.249%
53	16.851	2354	2357	2360	rBV	70003	92128	1.82%	0.140%
54	16.980	2374	2379	2384	rBV2	1235983	1791035	35.36%	2.712%
55	17.027	2384	2387	2391	rVB	172700	215290	4.25%	0.326%
56	17.080	2391	2396	2400	rBV2	1205752	1662927	32.83%	2.518%
57	17.115	2400	2402	2408	rVB	249522	311004	6.14%	0.471%
58	17.268	2425	2428	2436	rVB3	70177	116410	2.30%	0.176%
59	17.357	2440	2443	2447	rVV3	50947	70996	1.40%	0.108%
60	17.410	2447	2452	2457	rVV3	102086	178102	3.52%	0.270%
61	17.462	2459	2461	2465	rVB2	43628	57474	1.13%	0.087%
62	17.651	2489	2493	2498	rBV3	59832	72585	1.43%	0.110%
63	17.704	2498	2502	2505	rBV2	104722	141313	2.79%	0.214%
64	17.874	2525	2531	2535	rBV3	338701	566938	11.19%	0.859%
65	17.951	2540	2544	2547	rVV	132546	187802	3.71%	0.284%
66	17.986	2547	2550	2556	rVV	130017	223234	4.41%	0.338%
67	18.051	2556	2561	2573	rVV3	588649	975114	19.25%	1.477%
68	18.151	2574	2578	2581	rBV	323074	479087	9.46%	0.725%
69	18.198	2581	2586	2593	rVB	479348	942973	18.62%	1.428%
70	18.321	2602	2607	2611	rBV2	340231	517023	10.21%	0.783%
71	18.592	2647	2653	2659	rVB3	490215	769113	15.19%	1.165%

LSC Area Percent Report

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Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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

72	18.704	2670	2672	2675	rBV3	58870	64205	1.27%	0.097%
73	18.751	2676	2680	2682	rVV	191598	239037	4.72%	0.362%
74	18.786	2682	2686	2690	rVB3	178509	265806	5.25%	0.403%
75	18.886	2700	2703	2707	rVB2	359446	411225	8.12%	0.623%
76	18.945	2711	2713	2716	rVV3	98430	97791	1.93%	0.148%
77	19.057	2726	2732	2736	rBV	1501125	2103607	41.54%	3.186%
78	19.104	2736	2740	2745	rVB3	287065	426684	8.42%	0.646%
79	19.168	2747	2751	2753	rBV2	250334	321625	6.35%	0.487%
80	19.209	2754	2758	2763	rVB	340722	506583	10.00%	0.767%
81	19.304	2769	2774	2776	rBV2	263238	452357	8.93%	0.685%
82	19.392	2784	2789	2791	rBV	1383612	1857023	36.67%	2.812%
83	19.421	2791	2794	2800	rVV	2474293	3259098	64.35%	4.935%
84	19.474	2800	2803	2806	rVV3	146743	195235	3.85%	0.296%
85	19.745	2845	2849	2850	rBV2	189755	254433	5.02%	0.385%
86	19.833	2860	2864	2867	rBV2	620338	781898	15.44%	1.184%
87	19.921	2871	2879	2886	rVB3	657300	1715767	33.88%	2.598%
88	19.998	2887	2892	2893	rBV4	259899	379881	7.50%	0.575%
89	20.080	2903	2906	2910	rBV	386567	414180	8.18%	0.627%
90	20.221	2926	2930	2934	rBV	418407	492353	9.72%	0.746%
91	20.262	2935	2937	2941	rVB	356569	390059	7.70%	0.591%
92	20.327	2944	2948	2952	rVV	3899867	4378868	86.46%	6.631%
93	20.839	3032	3035	3038	rBV	500118	713516	14.09%	1.080%
94	20.874	3039	3041	3046	rVV3	359298	596953	11.79%	0.904%
95	21.192	3089	3095	3099	rBV2	2594260	5064557	100.00%	7.669%
96	21.227	3099	3101	3107	rVB	1437425	1919593	37.90%	2.907%
97	22.745	3354	3359	3364	rBV	1739918	3959353	78.18%	5.996%
98	23.215	3434	3439	3443	rBV	1372886	2938595	58.02%	4.450%
99	23.309	3451	3455	3462	rVB	2379617	4023604	79.45%	6.093%
100	23.403	3467	3471	3475	rVB	1135232	1706527	33.70%	2.584%

Sum of corrected areas: 66036236

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
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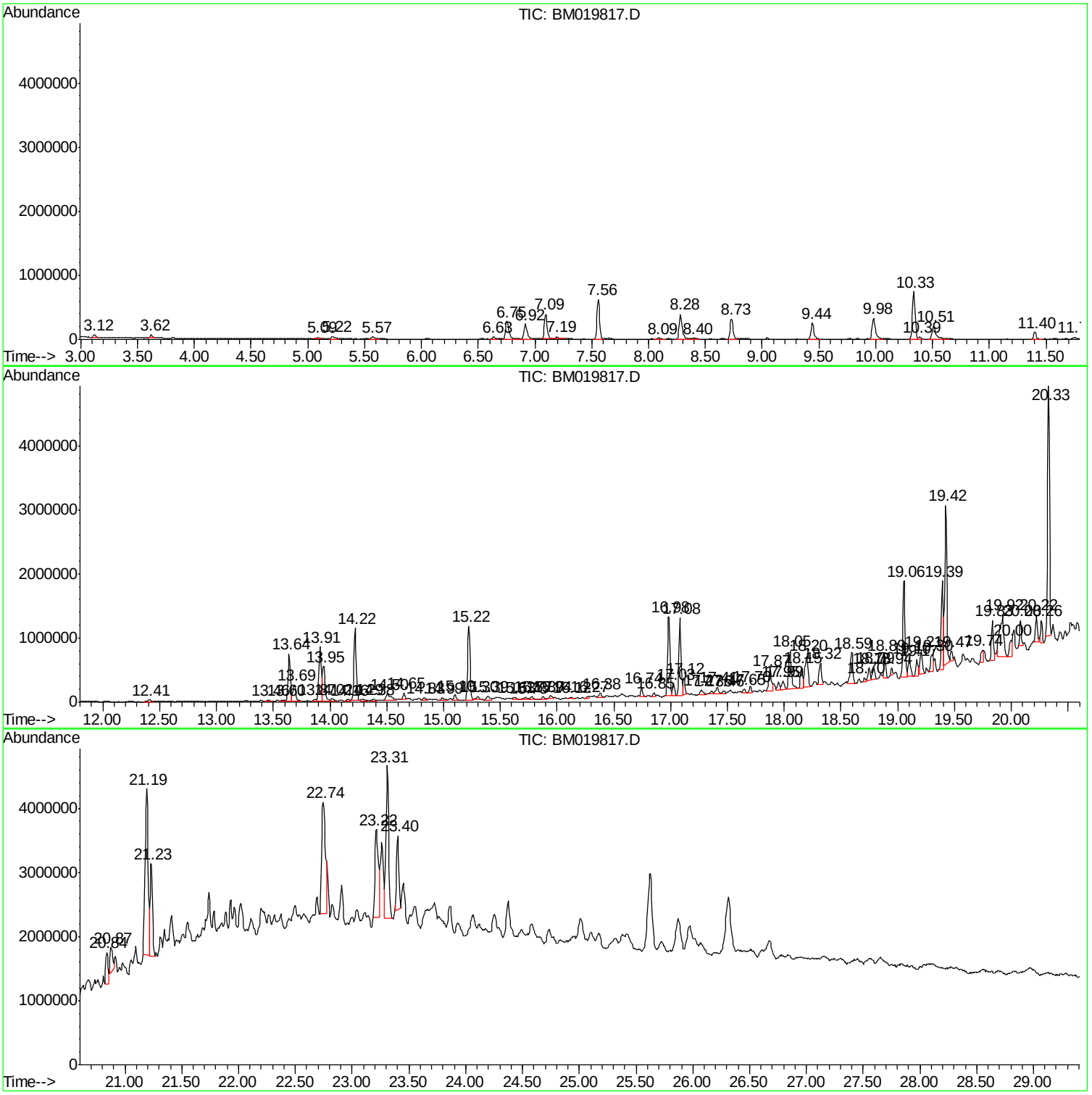
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFC27

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\BM040819\
Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
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Instrument : BNA_M
ClientSampleId : BFC27

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

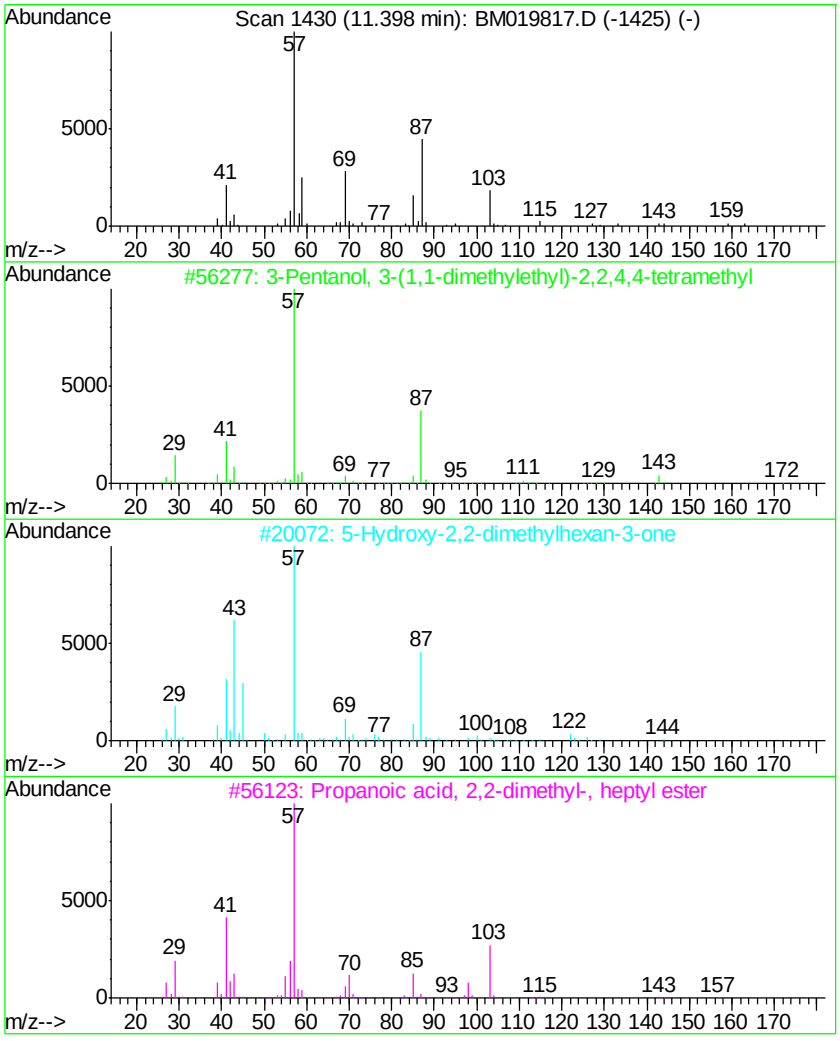
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

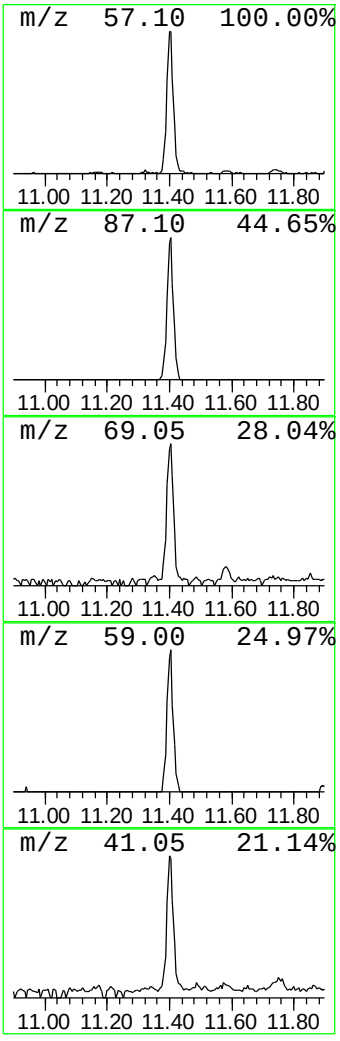
****

Peak Number 1 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.72 ng/ul	172889	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-(1,1-dimethylethyl...	200	C13H28O	041902-42-5	47
2	5-Hydroxy-2,2-dimethylhexan-3-one	144	C8H16O2	173343-33-4	40
3	Propanoic acid, 2,2-dimethyl-, h...	200	C12H24O2	017660-61-6	35
4	Morpholine	87	C4H9NO	000110-91-8	32
5	Morpholine	87	C4H9NO	000110-91-8	32





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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

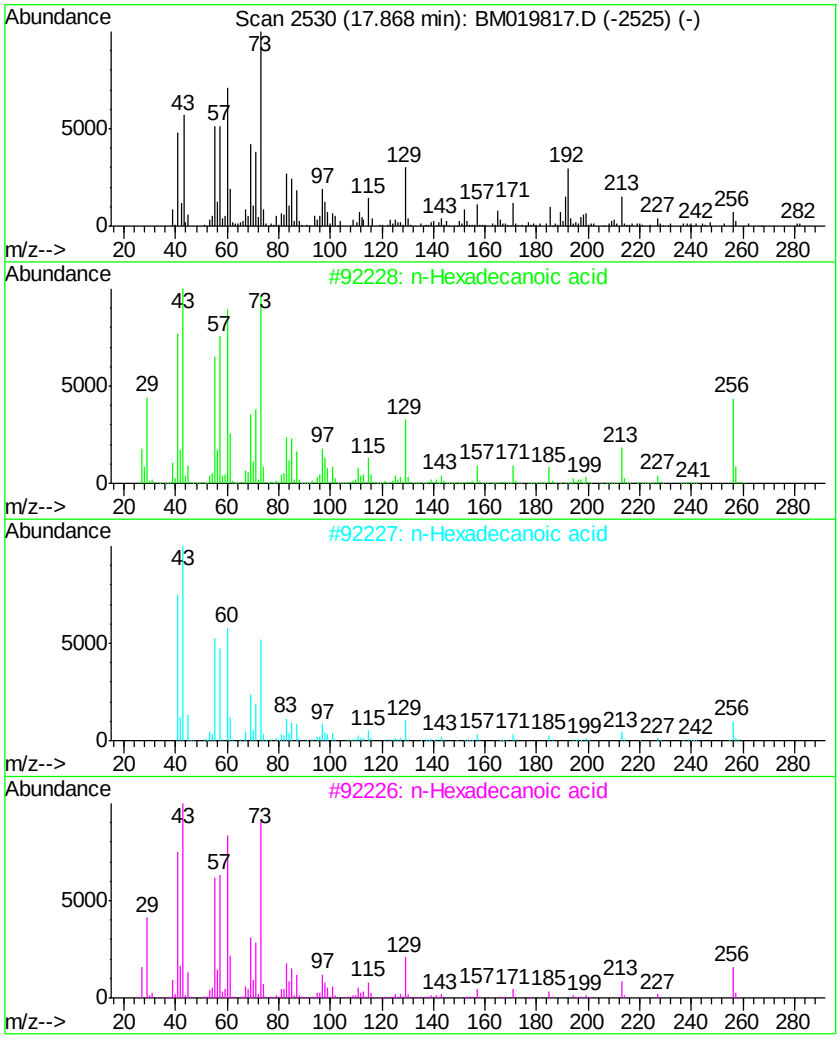
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

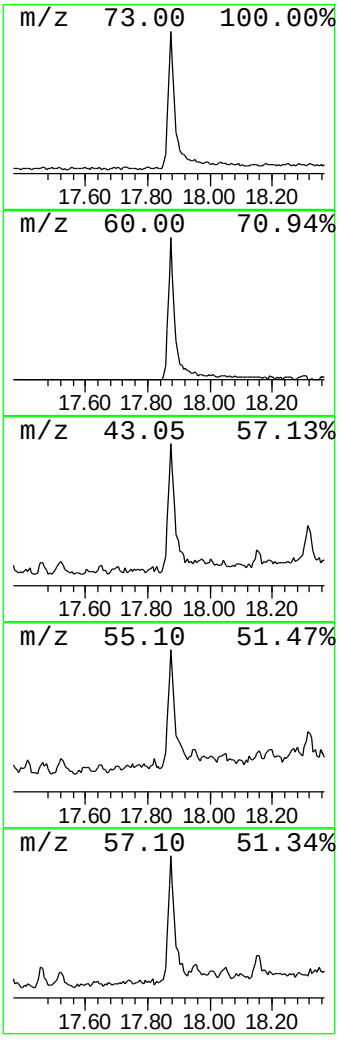
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	6.33 ng/ul	566938	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83





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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

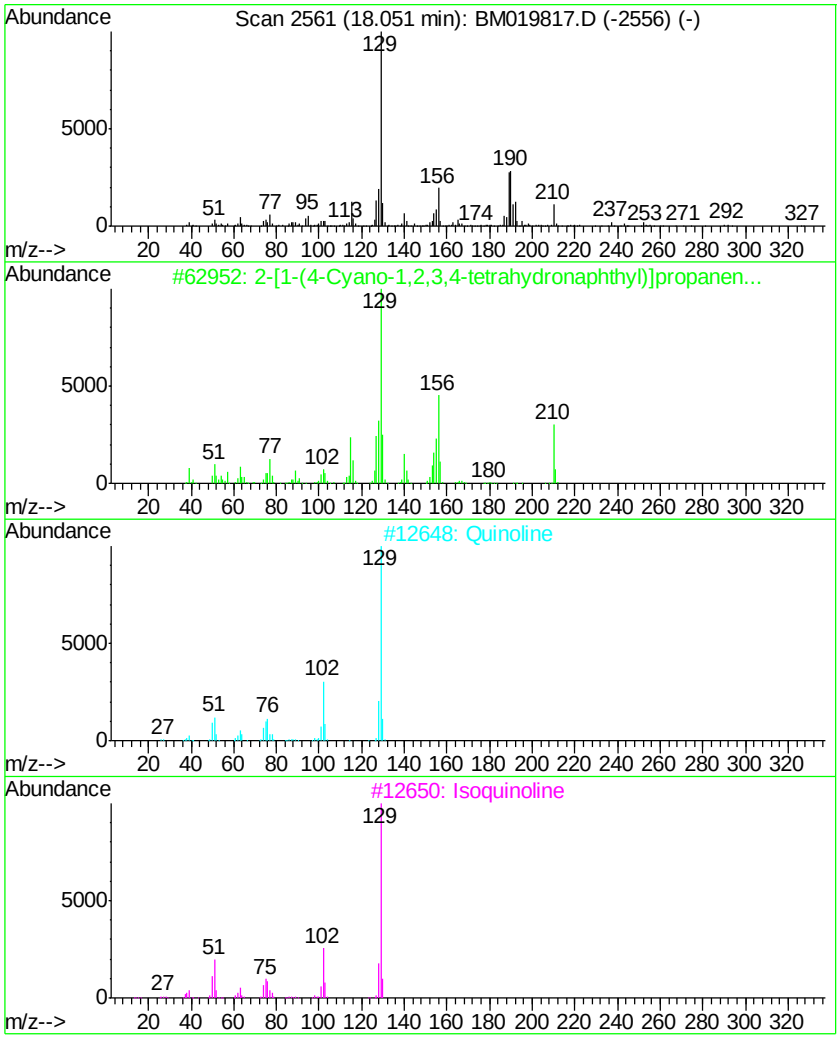
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

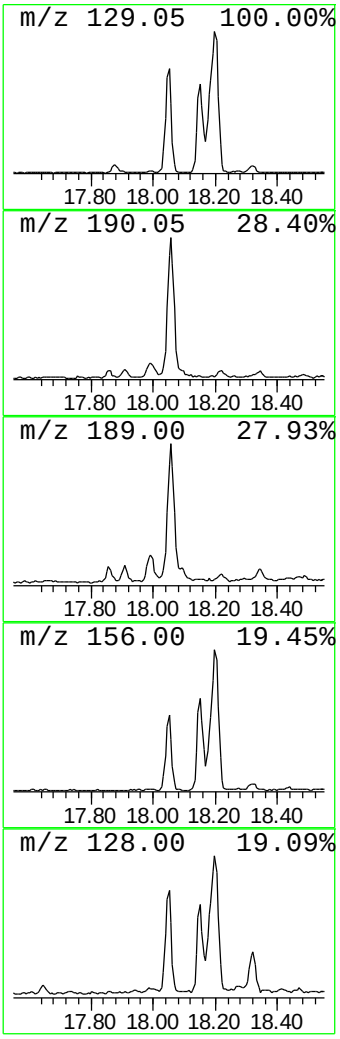
****

Peak Number 3 2-[1-(4-Cyano-1,2,3,4-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	10.89 ng/ul	975114	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-39-3	55
2	Quinoline	129	C9H7N	000091-22-5	43
3	Isoquinoline	129	C9H7N	000119-65-3	43
4	Quinoline	129	C9H7N	000091-22-5	38
5	Quinoline-8-carboxylic acid	173	C10H7NO2	000086-59-9	37





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Instrument : BNA_M
ClientSampleId : BFC27

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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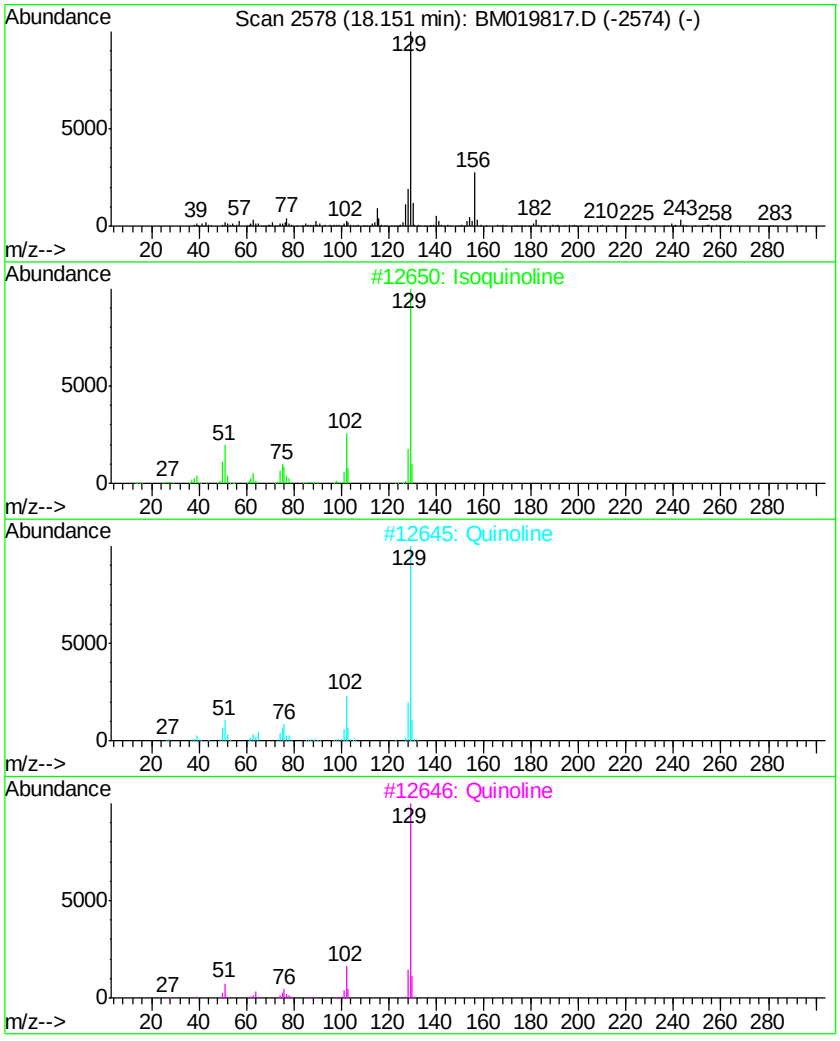
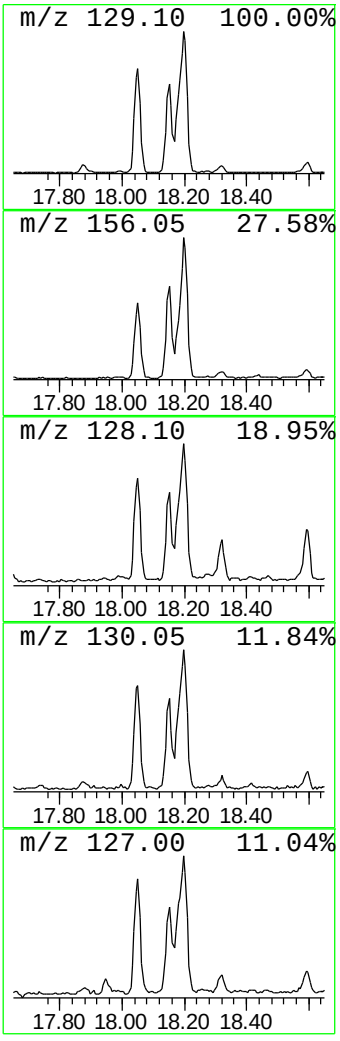
Peak Number 4 Isoquinoline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	5.35 ng/ul	479087	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	52
2	Quinoline	129	C9H7N	000091-22-5	52
3	Quinoline	129	C9H7N	000091-22-5	47
4	Isoquinoline	129	C9H7N	000119-65-3	47
5	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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

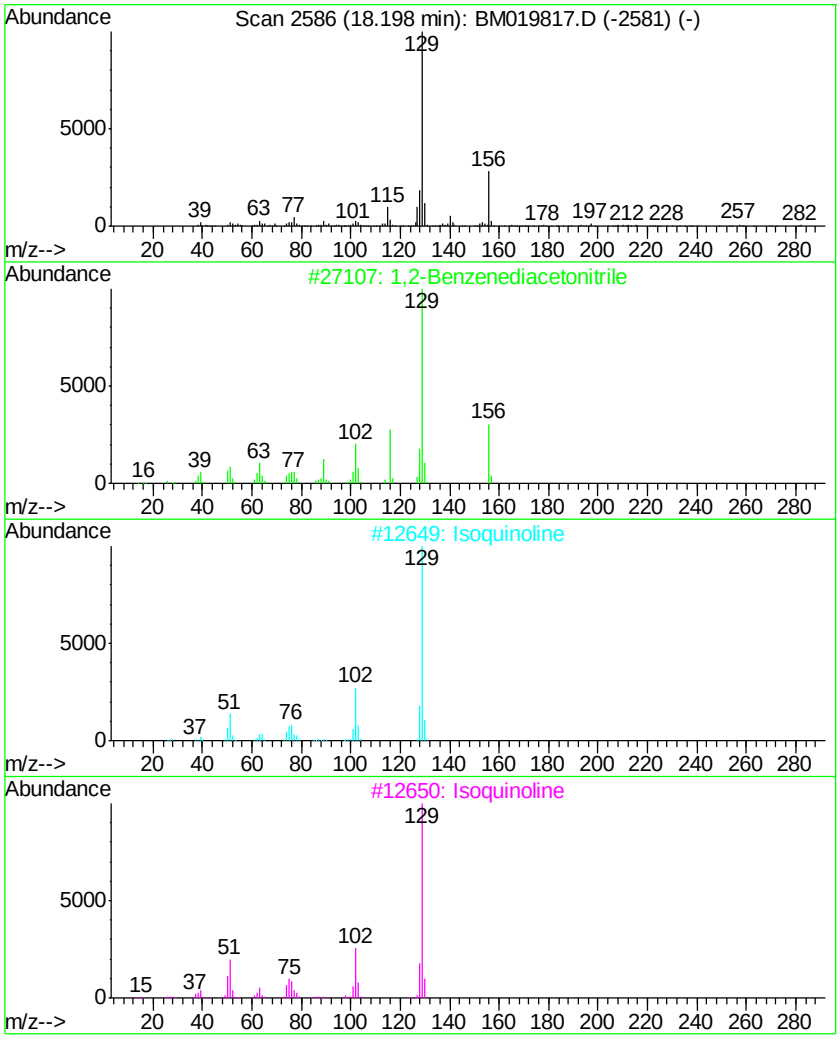
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

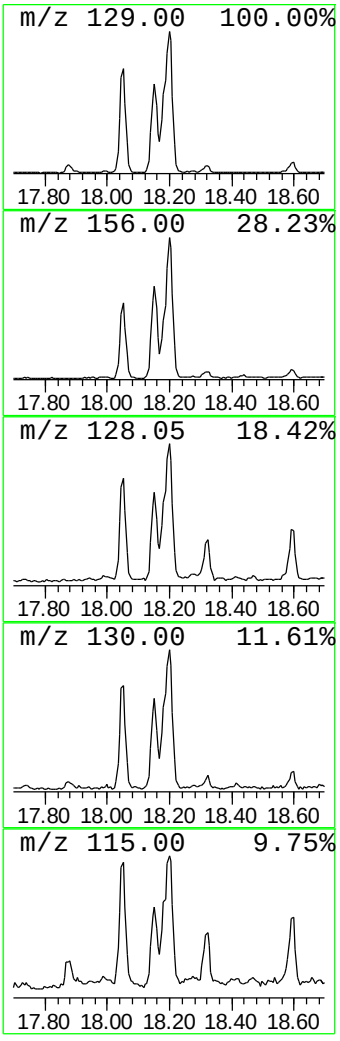
****

Peak Number 5 1,2-Benzenediacetonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	10.53 ng/ul	942973	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	64
2	Isoquinoline	129	C9H7N	000119-65-3	52
3	Isoquinoline	129	C9H7N	000119-65-3	52
4	Quinoline	129	C9H7N	000091-22-5	52
5	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	50





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Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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

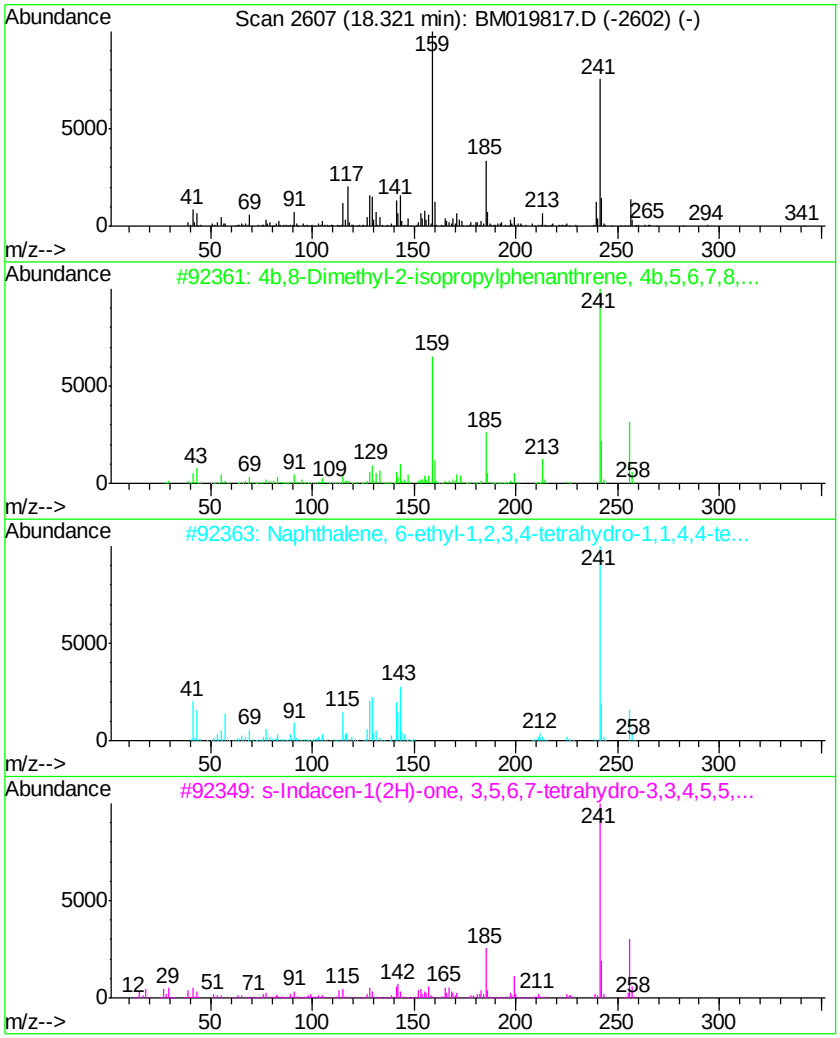
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

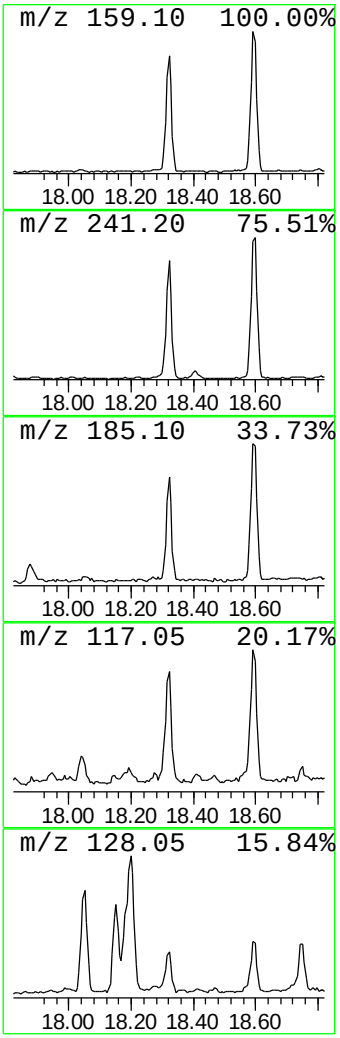
****

Peak Number 6 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	5.77 ng/ul	517023	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	87
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	49
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	45
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	41
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	30





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Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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

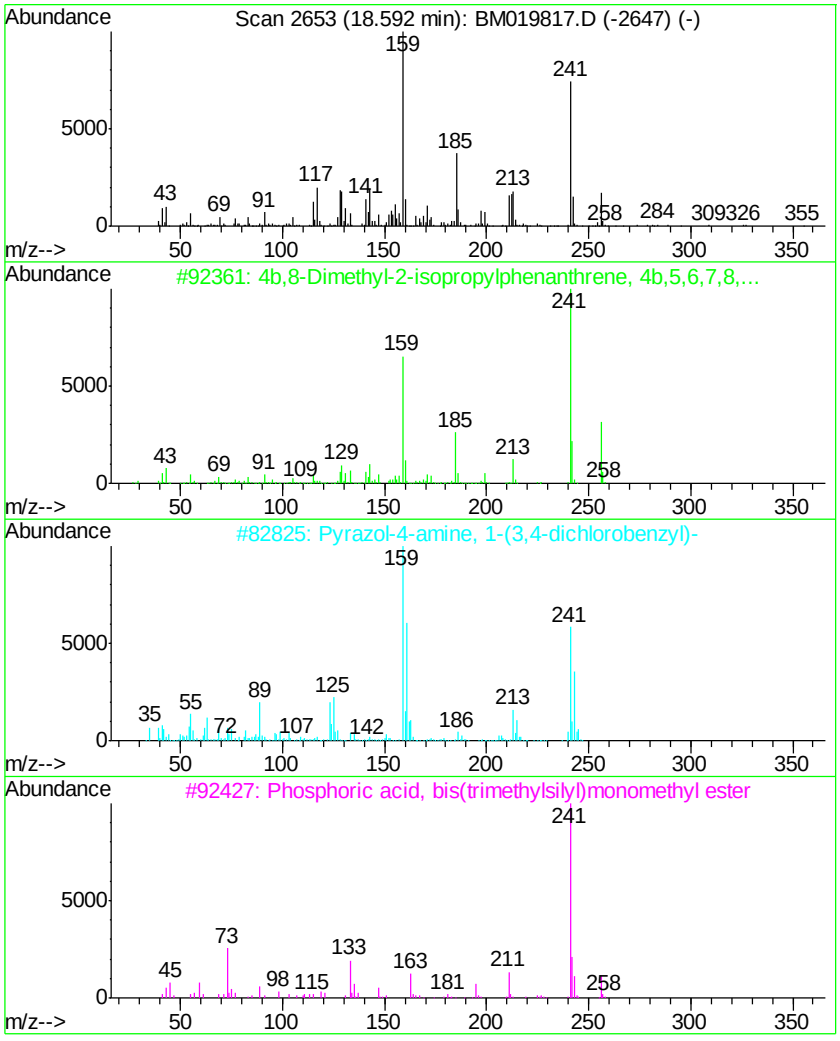
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

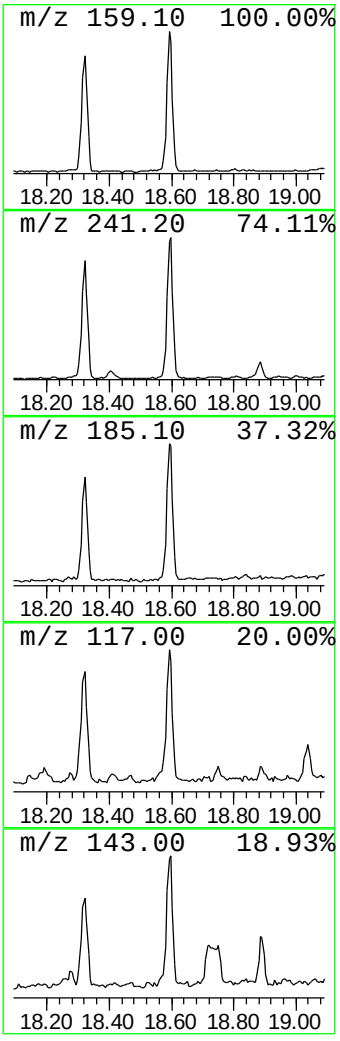
****

Peak Number 7 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	8.59 ng/ul	769113	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	58
3	Phosphoric acid, bis(trimethylsi...	256	C7H21O4PSi2	018291-81-1	35
4	Decanedioic acid, dibutyl ester	314	C18H34O4	000109-43-3	35
5	2,6-Diethyl-4-(4-methoxyphenyl)p...	241	C16H19NO	073669-46-2	27





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Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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

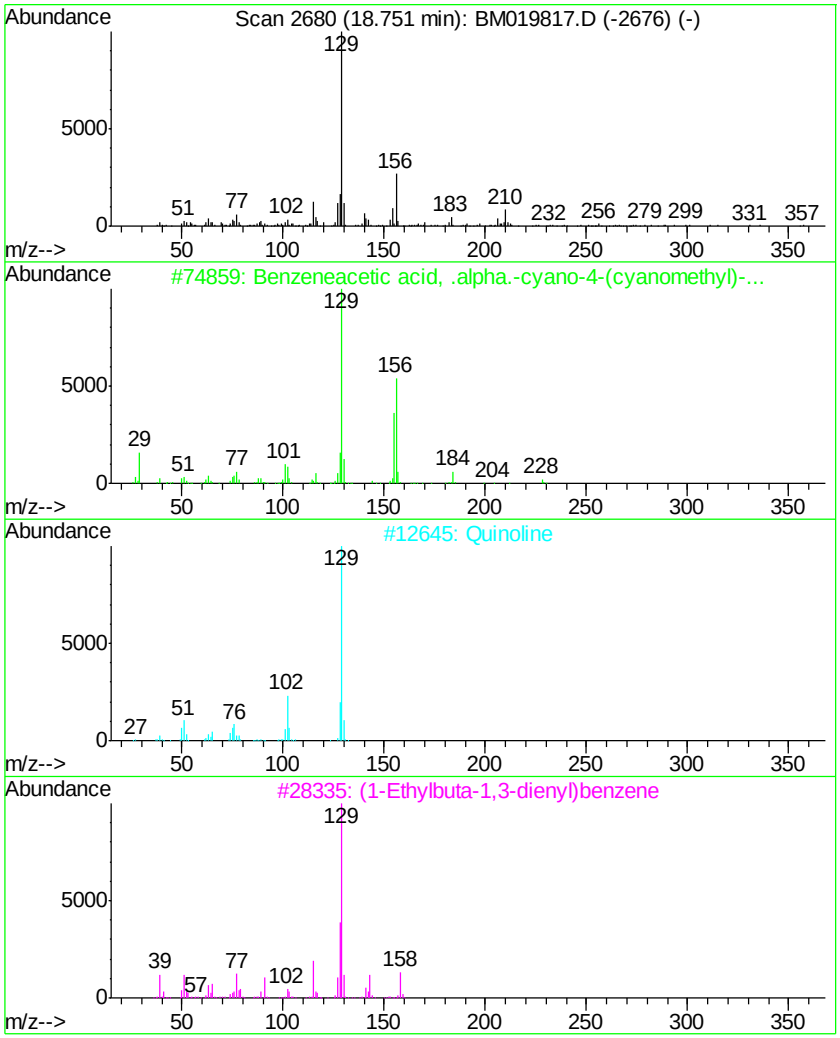
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

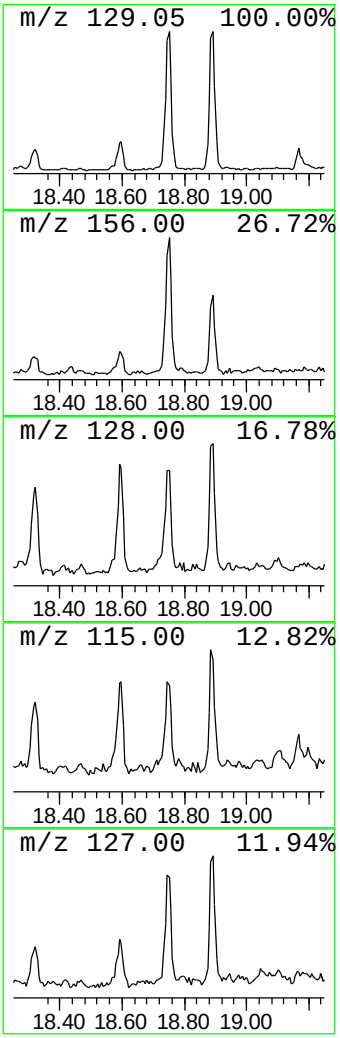
****

Peak Number 8 Benzeneacetic acid, .alpha.... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	2.67 ng/ul	239037	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, .alpha.-cyan...	228	C13H12N2O2	134882-04-5	59
2	Quinoline	129	C9H7N	000091-22-5	50
3	(1-Ethylbuta-1,3-dienyl)benzene	158	C12H14	1000210-05-6	50
4	3-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-40-6	49
5	2-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-39-3	41





Library Search Compound Report

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Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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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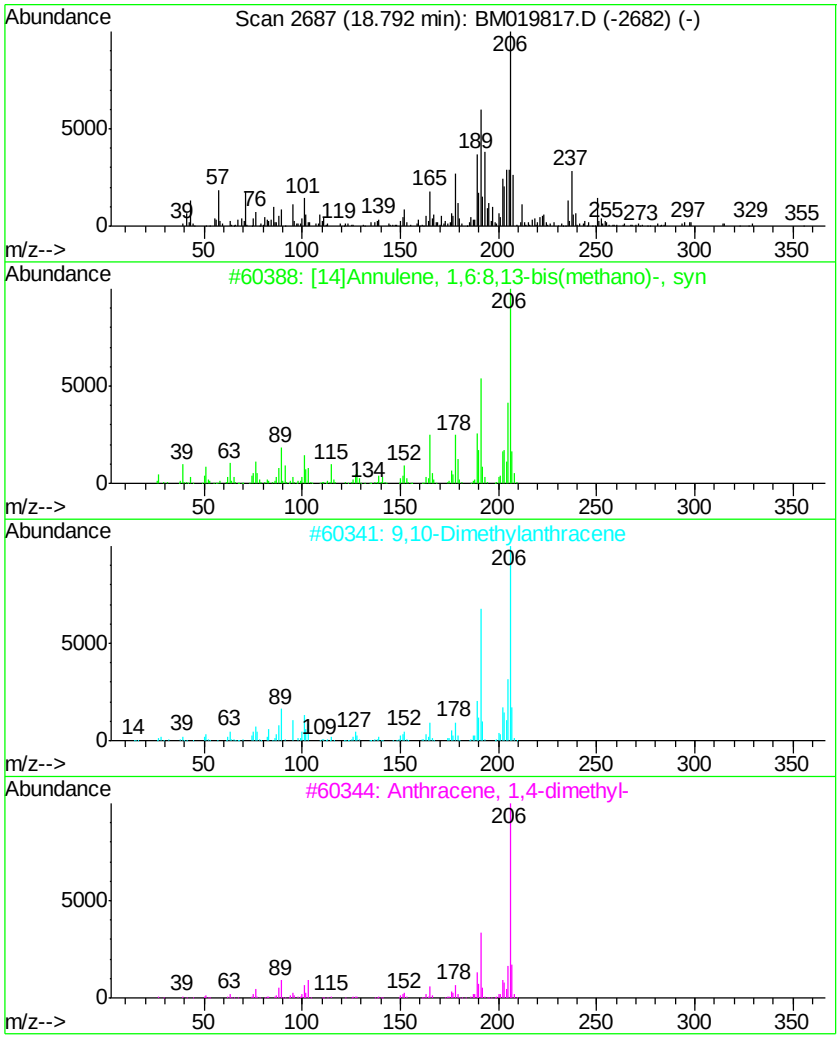
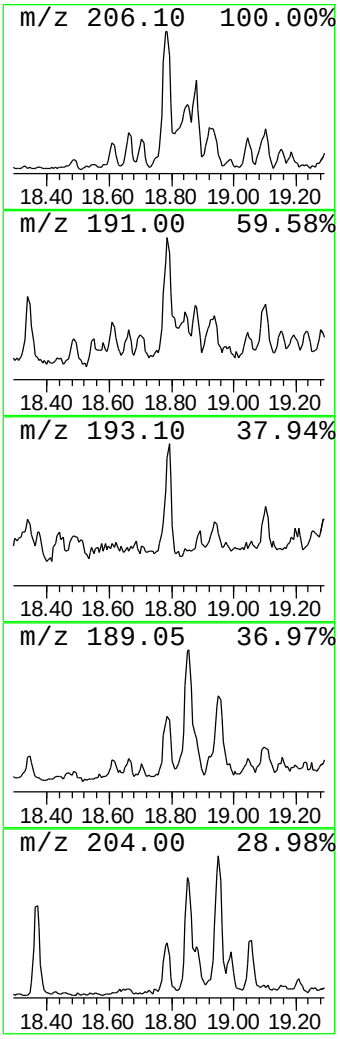
Peak Number 9 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.97 ng/ul	265806	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60





Library Search Compound Report

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Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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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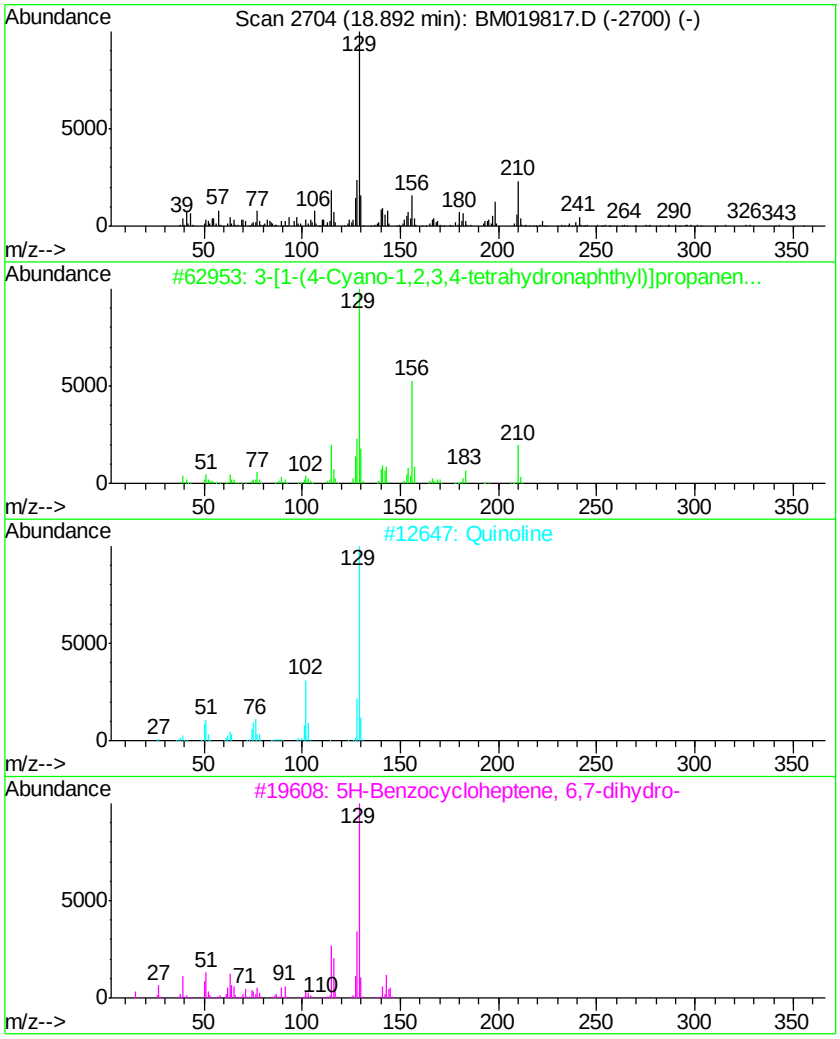
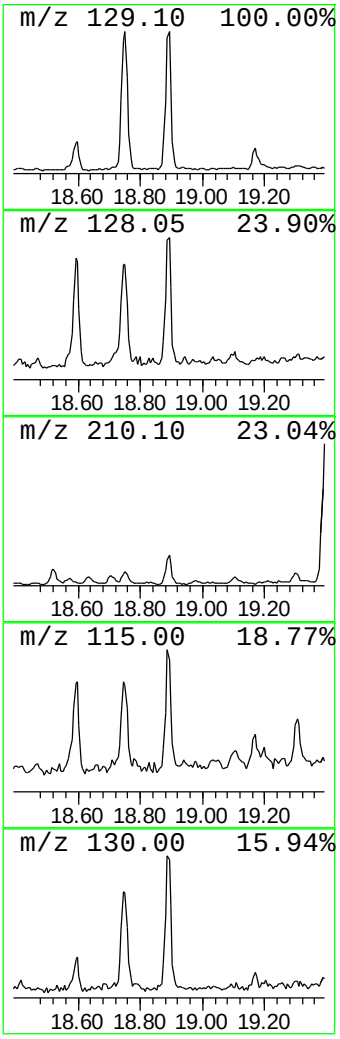
Peak Number 10 3-[1-(4-Cyano-1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	4.59 ng/ul	411225	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-40-6	93
2	Quinoline	129	C9H7N	000091-22-5	47
3	5H-Benzocycloheptene, 6,7-dihydro-	144	C11H12	007125-62-4	42
4	Acetamide, N-(5-methyl-3-isoxazo...	253	C9H11N5O2S	351061-88-6	40
5	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	38





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Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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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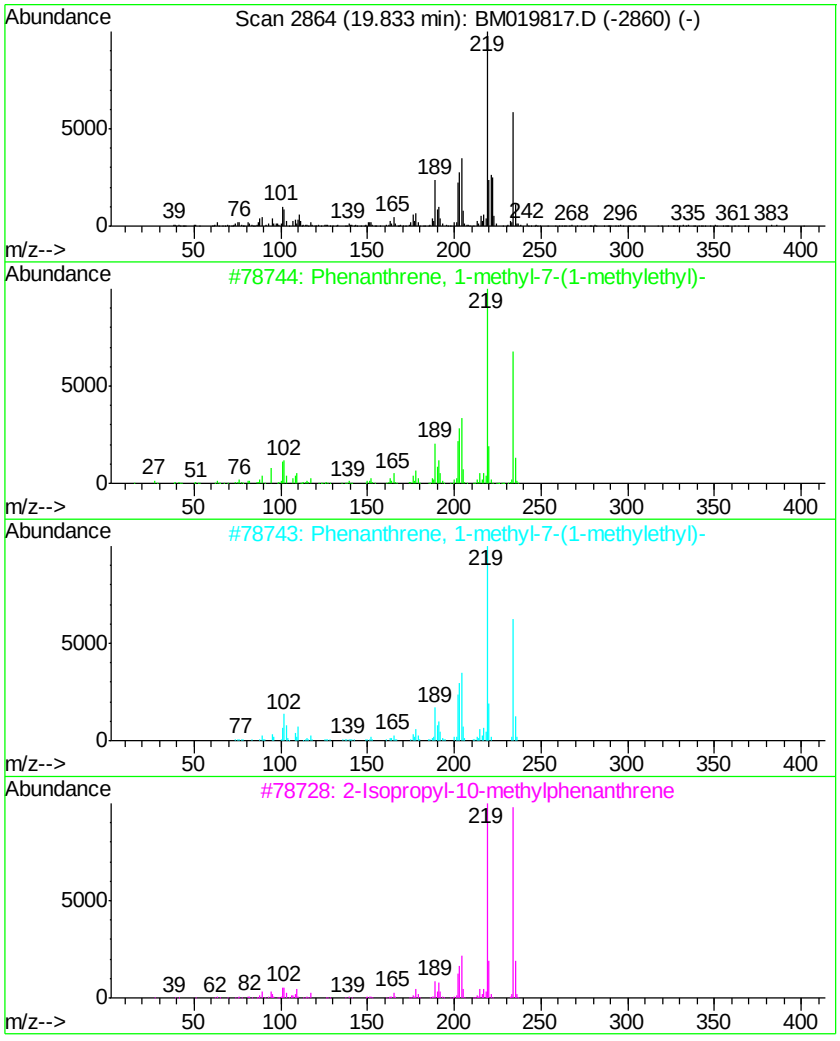
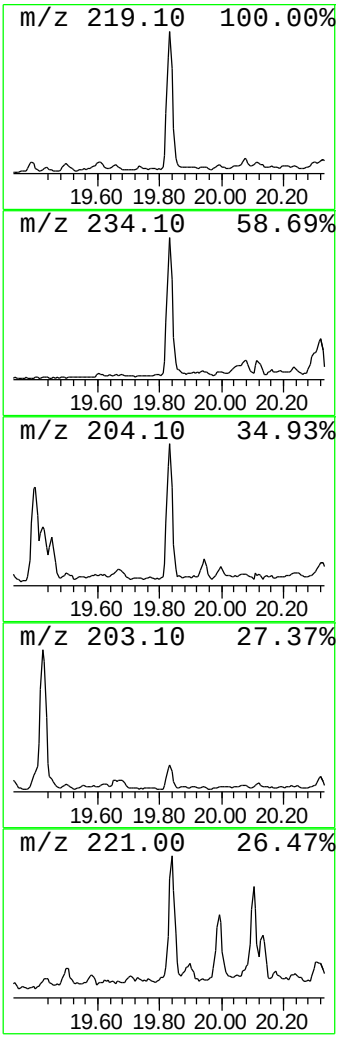
Peak Number 12 Phenanthrene, 1-methyl-7-(1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.09 ng/ul	781898	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	97
3	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	90
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	52
5	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	50





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Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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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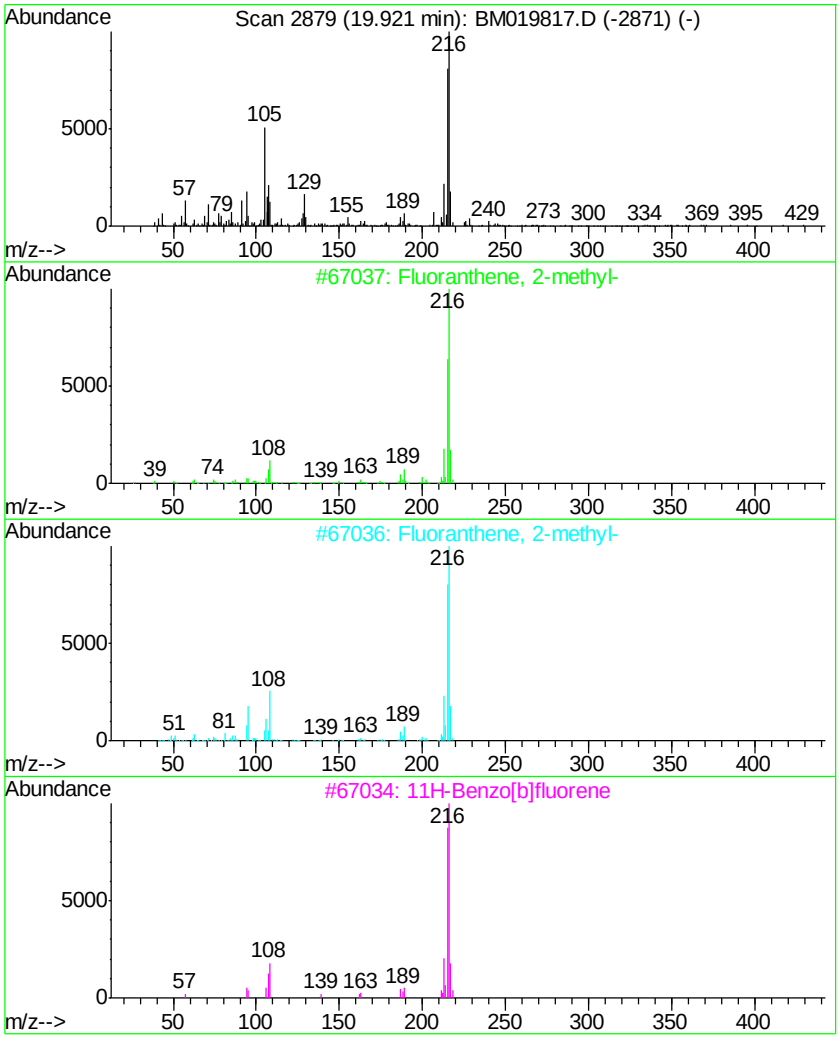
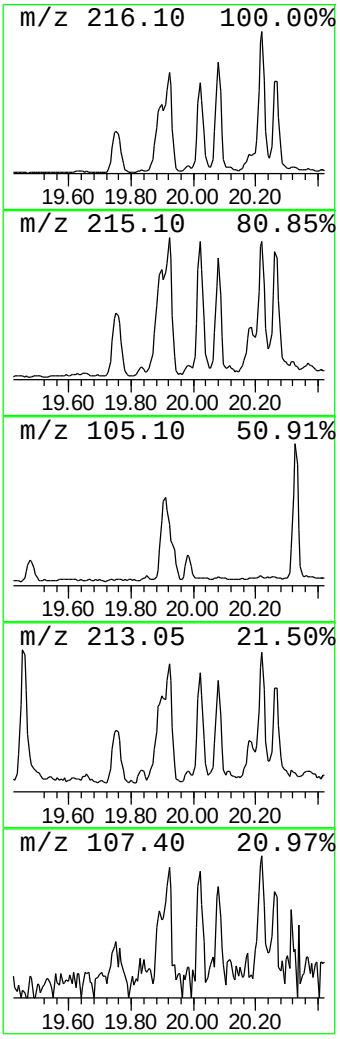
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	6.78 ng/ul	1715770	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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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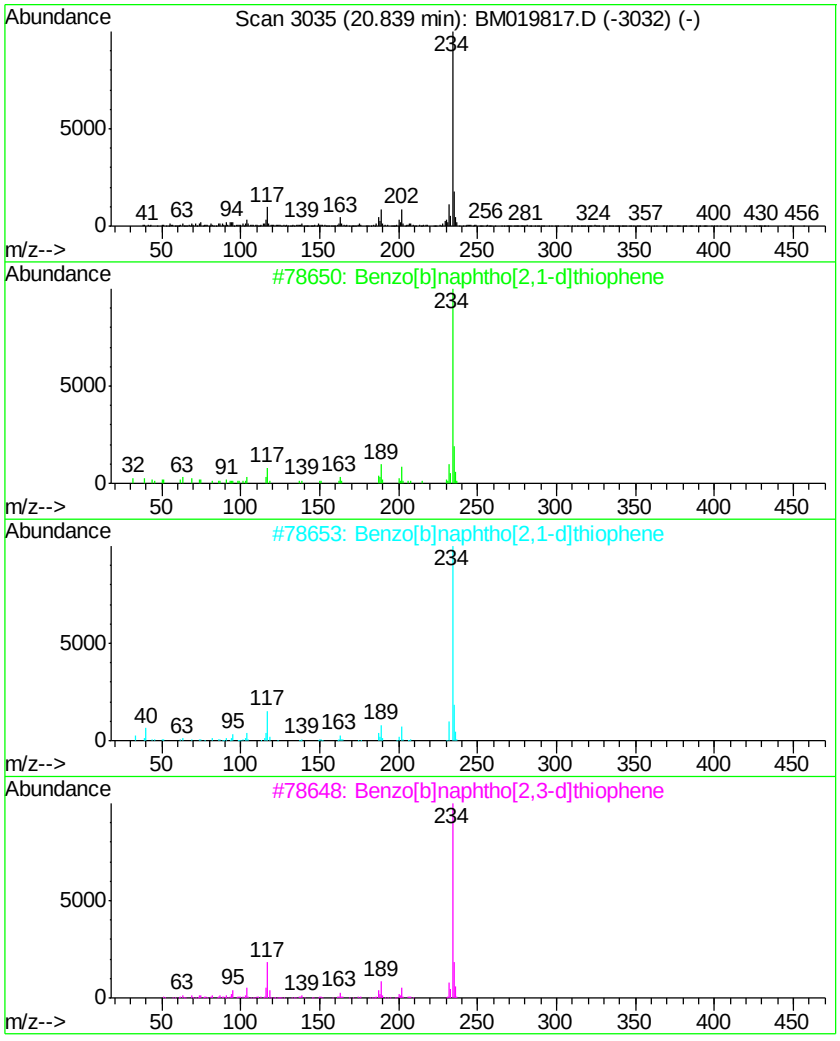
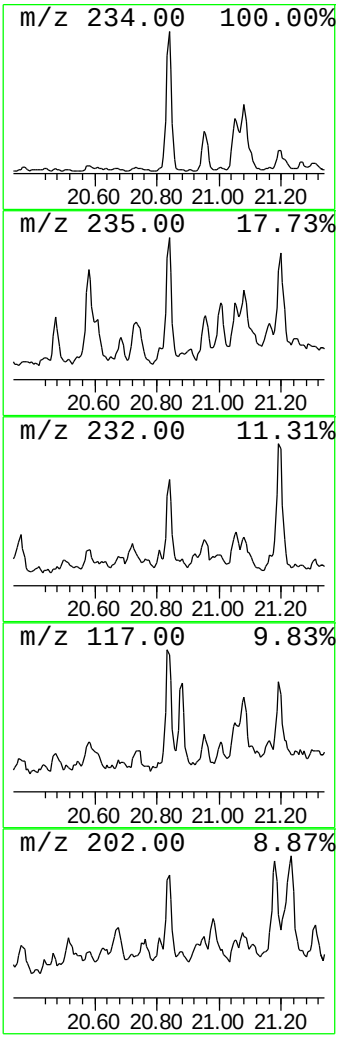
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.82 ng/ul	713516	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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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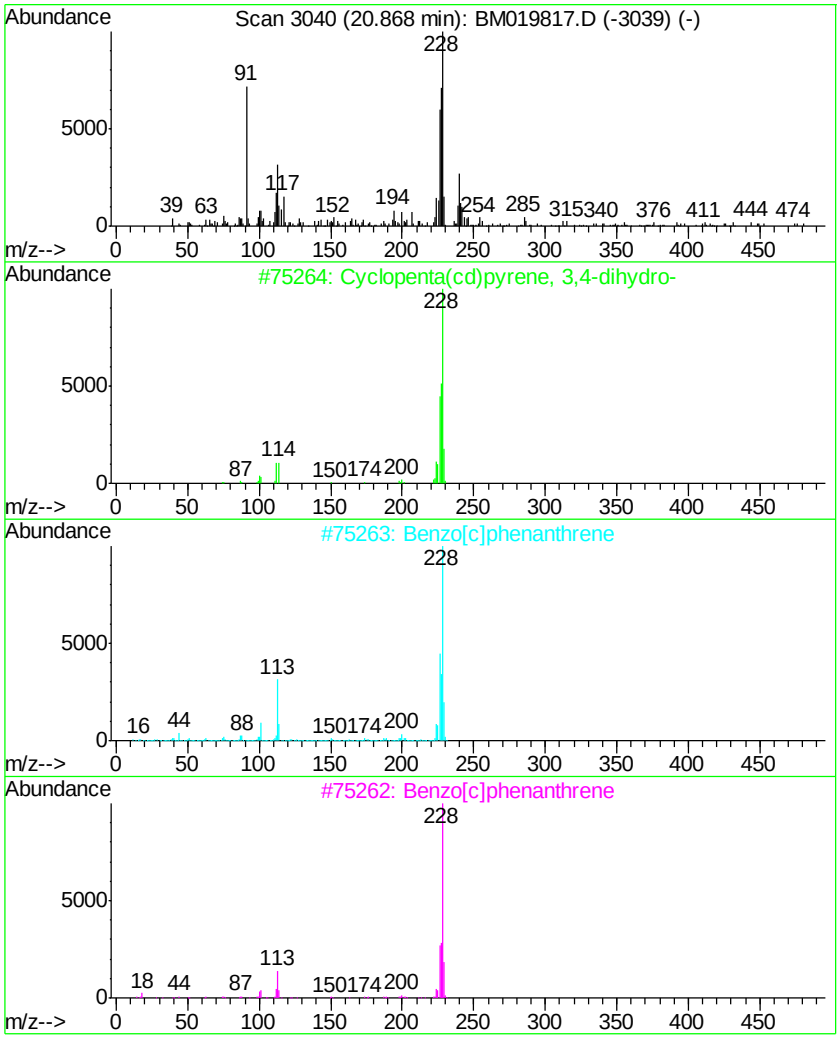
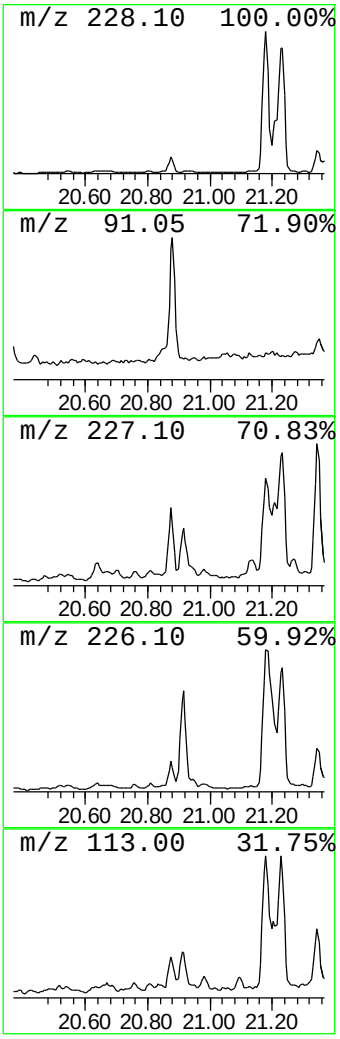
Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.36 ng/ul	596953	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
5	Triphenylene	228	C18H12	000217-59-4	42





Tentatively Identified Compound (LSC) summary

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Data File : BM019817.D
Acq On : 09 Apr 2019 05:21
Operator : JU/SJ
Sample : K2254-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC27

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
unknown-01	11.40	2.7	ng/ul	172889	2	10.33	1272720	20.0
n-Hexadecanoic acid	17.87	6.3	ng/ul	566938	4	16.98	1791040	20.0
2-[1-(4-Cyano-1,2...	18.05	10.9	ng/ul	975114	4	16.98	1791040	20.0
Isoquinoline	18.15	5.3	ng/ul	479087	4	16.98	1791040	20.0
1,2-Benzenediacet...	18.20	10.5	ng/ul	942973	4	16.98	1791040	20.0
unknown-02	18.32	5.8	ng/ul	517023	4	16.98	1791040	20.0
4b,8-Dimethyl-2-i...	18.59	8.6	ng/ul	769113	4	16.98	1791040	20.0
Benzeneacetic aci...	18.75	2.7	ng/ul	239037	4	16.98	1791040	20.0
[14]Annulene, 1,6...	18.79	3.0	ng/ul	265806	4	16.98	1791040	20.0
3-[1-(4-Cyano-1,2...	18.89	4.6	ng/ul	411225	4	16.98	1791040	20.0
Phenanthrene, 1-m...	19.83	3.1	ng/ul	781898	5	21.19	5064560	20.0
Fluoranthene, 2-m...	19.92	6.8	ng/ul	1715770	5	21.19	5064560	20.0
Benzo[b]naphtho[2...	20.84	2.8	ng/ul	713516	5	21.19	5064560	20.0
Cyclopenta(cd)pyr...	20.87	2.4	ng/ul	596953	5	21.19	5064560	20.0