LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	3.093	16	18	23	rVB2	30003	40016	1.33%	0.075%
2	3.593	100	103	110	rVB3	37810	52783	1.75%	0.099%
3	3.699	118	121	125	rVB4	25714	36292	1.20%	0.068%
4	4.675	283	287	296	rBV	59285	95947	3.18%	0.180%
5	5.946	498	503	508	rBV4	28929	41933	1.39%	0.079%
6	6.722	629	635	649	rVB	440240	849006	28.16%	1.597%
7	6.869	654	660	672	rBV	332281	550517	18.26%	1.035%
8	7.057	686	692	701	rBV	521100	860850	28.56%	1.619%
9	7.516	763	770	781	rBV	746210	1226015	40.67%	2.306%
10	7.646	787	792	797	rVB6	16355	32270	1.07%	0.061%
11	8.245	888	894	909	rBV	503724	945638	31.37%	1.779%
12	8.681	959	968	980	rBV	477974	857215	28.43%	1.612%
13	9.392	1081	1089	1098	rBV	424347	767019	25.44%	1.443%
14	9.934	1174	1181	1194	rBV	500061	1066857	35.39%	2.007%
15	10.045	1194	1200	1212	rVB	300325	513523	17.03%	0.966%
16	10.287	1233	1241	1247	rBV	616148	1024900	34.00%	1.928%
17	10.339	1247	1250	1256	rVB2	45224	73941	2.45%	0.139%
18	10.451	1263	1269	1281	rBV	253584	573875	19.04%	1.079%
19	11.969	1521	1527	1532	rBV6	23756	43314	1.44%	0.081%
20	12.186	1558	1564	1571	rVB9	17315	41614	1.38%	0.078%
21	12.310	1579	1585	1600	rBV4	92703	265579	8.81%	0.500%
22	12.986	1692	1700	1706	rBV5	19753	41001	1.36%	0.077%
23	13.322	1750	1757	1767	rVB5	77577	170088	5.64%	0.320%
24	13.498	1779	1787	1792	rBV7	20565	43600	1.45%	0.082%
25	13.598	1799	1804	1809	rVV	1084491	1517523	50.34%	2.854%
26	13.645	1809	1812	1824	rVB	276892	451352	14.97%	0.849%
27	13.869	1839	1850	1861	rBV	1250205	1932925	64.12%	3.636%
28	14.074	1880	1885	1890	rBV2	61775	79006	2.62%	0.149%
29	14.180	1895	1903	1910	rVV2	847133	1304154	43.26%	2.453%
30	14.239	1910	1913	1919	rVB2	50158	77266	2.56%	0.145%
31	14.457	1945	1950	1968	rBV2	161661	514053	17.05%	0.967%
32	14.592	1968	1973	1977	rVV3	50981	78772	2.61%	0.148%
33	15.033	2042	2048	2055	rVB2	74207	120968	4.01%	0.228%
34	15.180	2067	2073	2079	rBV	1424254	2052867	68.10%	3.861%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	15.239	2079	2083	2092	rVB2	71750	113487	3.76%	0.213%
36	15.345	2095	2101	2108	rBV4	180599	342357	11.36%	0.644%
37	15.557	2128	2137	2142	rBV2	163638	268059	8.89%	0.504%
38	15.686	2155	2159	2164	rVB8	26334	43865	1.46%	0.083%
39	15.910	2192	2197	2210	rBV5	77120	157097	5.21%	0.295%
40	16.068	2218	2224	2226	rBV7	19026	31611	1.05%	0.059%
41	16.245	2244	2254	2259	rBV10	35822	99417	3.30%	0.187%
42	16.292	2259	2262	2268	rVB7	21514	34477	1.14%	0.065%
43	16.368	2270	2275	2286	rBV7	42808	120866	4.01%	0.227%
44	16.510	2296	2299	2304	rVB7	29098	46702	1.55%	0.088%
45	16.604	2311	2315	2320	rVB2	59711	90698	3.01%	0.171%
46	16.698	2320	2331	2337	rBV2	68804	169023	5.61%	0.318%
47	16.757	2337	2341	2348	rVB	65750	112329	3.73%	0.211%
48	16.851	2351	2357	2361	rBV8	69141	106618	3.54%	0.201%
49	16.939	2364	2372	2376	rVV	1035163	1499753	49.75%	2.821%
50	16.980	2376	2379	2384	rVV	1034541	1426727	47.33%	2.683%
51	17.039	2384	2389	2393	rVV	1540532	2214032	73.44%	4.164%
52	17.074	2393	2395	2400	rVV	233903	267051	8.86%	0.502%
53	17.145	2402	2407	2411	rVB5	46108	84088	2.79%	0.158%
54	17.363	2435	2444	2453	rBV	108723	246939	8.19%	0.464%
55	17.462	2458	2461	2463	rVB4	29289	30480	1.01%	0.057%
56	17.521	2468	2471	2474	rBV5	27086	36000	1.19%	0.068%
57	17.733	2500	2507	2512	rBV8	69975	157620	5.23%	0.296%
58	17.815	2514	2521	2523	rVV2	182516	279874	9.28%	0.526%
59	17.851	2523	2527	2535	rVV2	391203	858623	28.48%	1.615%
60	17.915	2535	2538	2540	rVV2	51603	77774	2.58%	0.146%
61	17.945	2541	2543	2548	rVV	74355	115457	3.83%	0.217%
62	18.010	2548	2554	2558	rVV2	234469	438118	14.53%	0.824%
63	18.051	2558	2561	2566	rVB	123242	170492	5.66%	0.321%
64	18.145	2572	2577	2579	rBV5	45152	82115	2.72%	0.154%
65	18.180	2581	2583	2586	rVV4	37340	37612	1.25%	0.071%
66	18.210	2586	2588	2593	rVV6	24017	36813	1.22%	0.069%
67	18.327	2603	2608	2612	rBV	115328	175343	5.82%	0.330%
68	18.380	2613	2617	2621	rVV3	106178	156884	5.20%	0.295%
69	18.568	2642	2649	2656	rBV3	54658	154393	5.12%	0.290%
70	18.627	2656	2659	2661	rBV4	42829	47536	1.58%	0.089%
71	18.745	2675	2679	2684	rBV2	100854	174288	5.78%	0.328%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	18.898	2700	2705	2711	rBV4	138258	238865	7.92%	0.449%
73	19.015	2719	2725	2731	rVB	1976108	2701818	89.62%	5.082%
74	19.145	2744	2747	2755	rVB5	95396	186010	6.17%	0.350%
75	19.351	2777	2782	2784	rBV2	1908883	2614976	86.74%	4.918%
76	19.380	2784	2787	2795	rVB	1802712	2342722	77.71%	4.406%
77	19.562	2815	2818	2821	rBV	88804	113007	3.75%	0.213%
78	19.674	2833	2837	2839	rBV2	188002	222648	7.39%	0.419%
79	19.880	2863	2872	2878	rBV	298361	623479	20.68%	1.173%
80	19.980	2886	2889	2892	rBV2	151262	220133	7.30%	0.414%
81	20.162	2916	2920	2926	rBV2	235097	453728	15.05%	0.853%
82	20.292	2939	2942	2946	rVB3	155261	181393	6.02%	0.341%
83	20.445	2964	2968	2971	rBV	320393	380420	12.62%	0.716%
84	20.833	3032	3034	3037	rBV	145171	178730	5.93%	0.336%
85	20.868	3037	3040	3046	rVV3	594707	842488	27.95%	1.585%
86	20.939	3049	3052	3059	rVB	242217	347679	11.53%	0.654%
87	21.068	3071	3074	3079	rVB	310774	320067	10.62%	0.602%
88	21.151	3082	3088	3092	rVV2	1503712	3014683	100.00%	5.670%
89	21.192	3092	3095	3099	rVB	1031723	1184671	39.30%	2.228%
90	22.292	3280	3282	3292	rVB	350633	471666	15.65%	0.887%
91	22.686	3346	3349	3360	rVB	870132	2447146	81.17%	4.603%
92	23.144	3424	3427	3431	rBV	341084	429208	14.24%	0.807%
93	23.197	3431	3436	3440	rVV2	1108621	1794752	59.53%	3.376%
94	23.239	3440	3443	3451	rVB	735580	1156460	38.36%	2.175%
95	23.333	3454	3459	3464	rBV	675189	1120429	37.17%	2.107%
96	23.809	3537	3540	3546	rVB2	415506	732610	24.30%	1.378%

Sum of corrected areas: 53167085

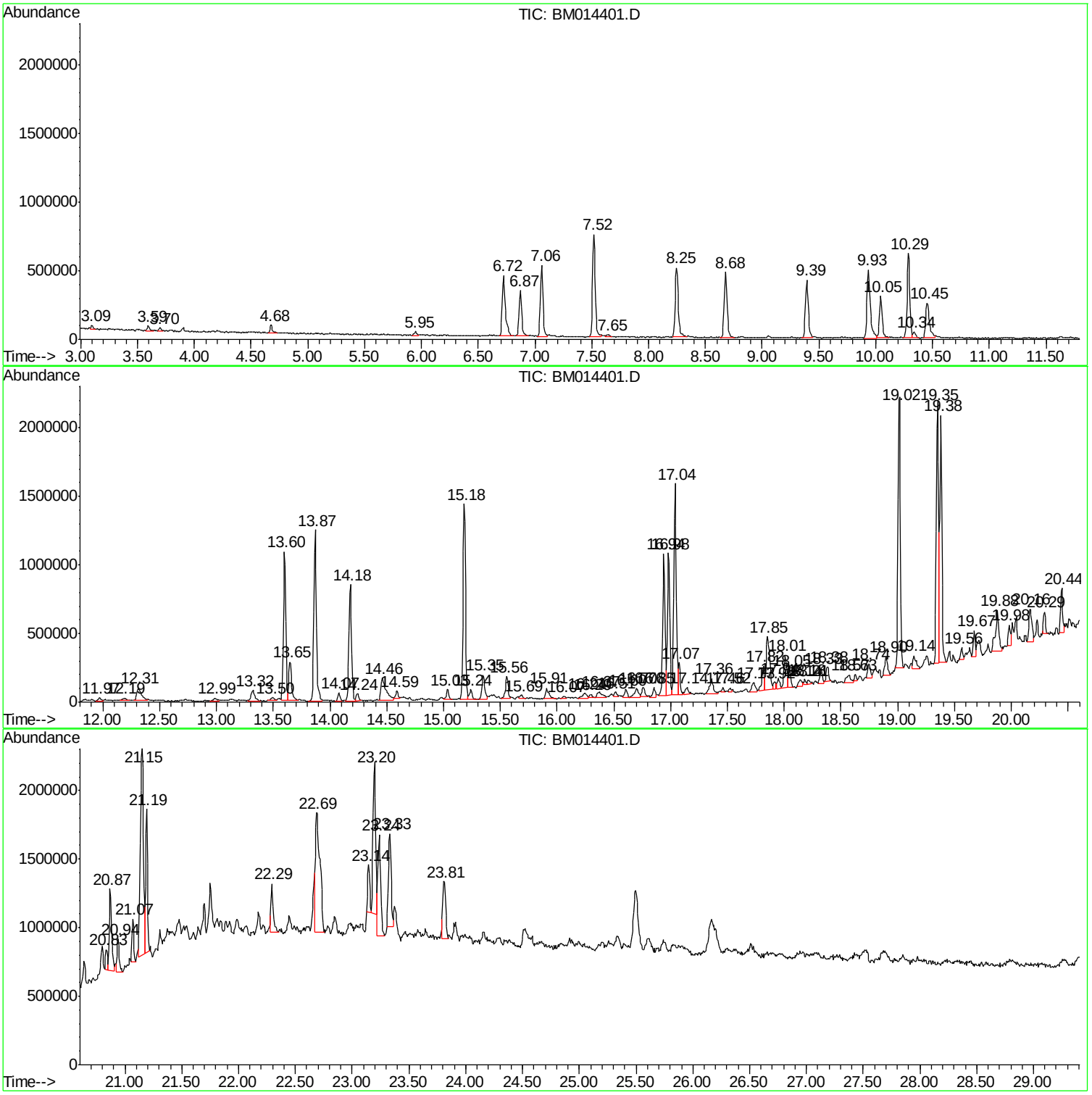
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

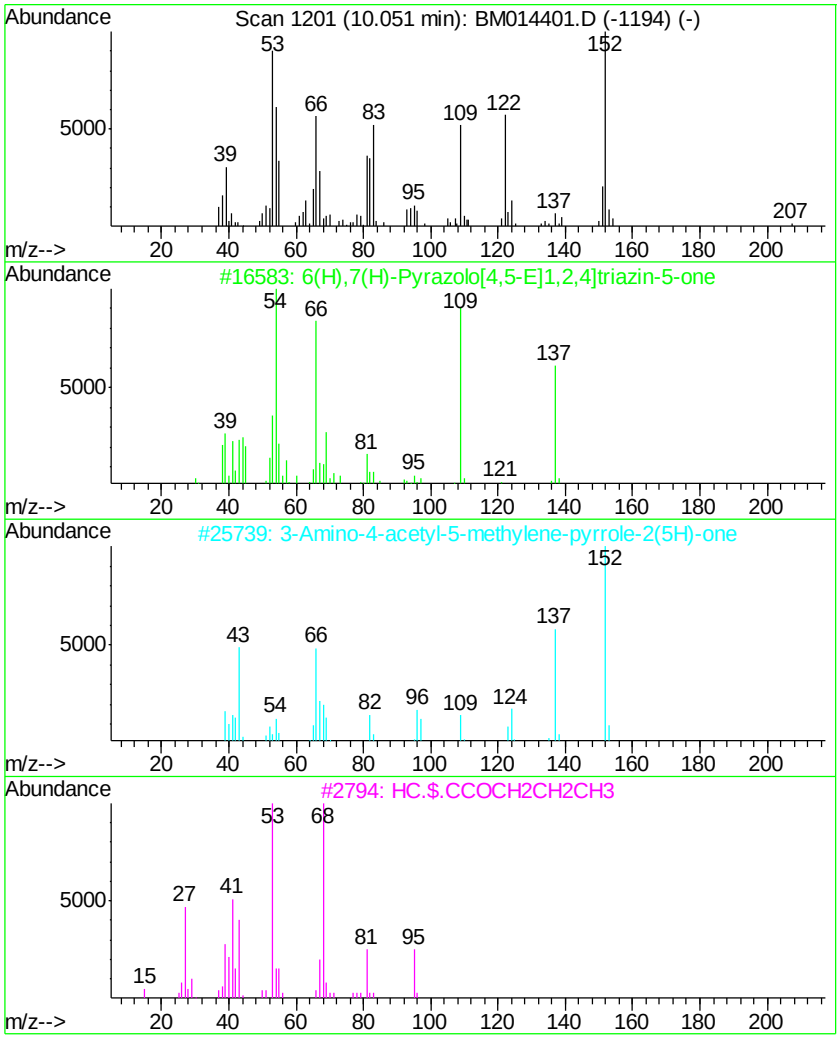
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

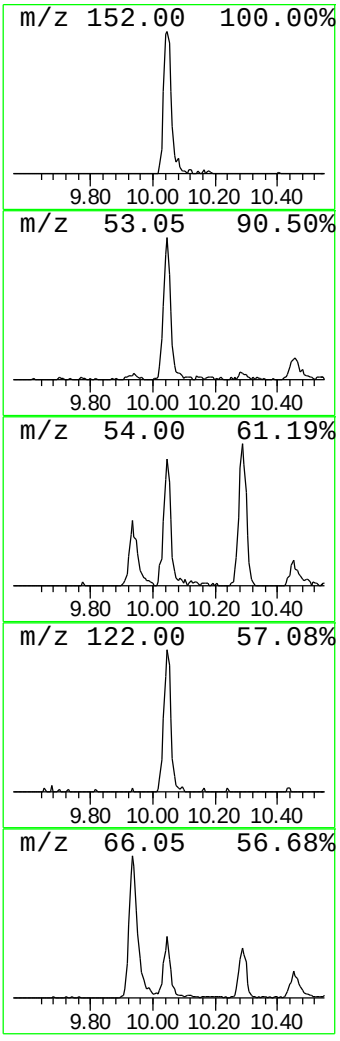
****

Peak Number 1 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	10.02 ng/ul	513523	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(H),7(H)-Pyrazolo[4,5-E]1,2,4]t...	137	C4H3N5O	1000284-55-4	35
2	3-Amino-4-acetyl-5-methylene-pyr...	152	C7H8N2O2	092220-23-0	25
3	HC.$.CCOCH2CH2CH3	96	C6H8O	000689-00-9	22
4	Butanenitrile, 3-methyl-2-methyl...	95	C6H9N	002813-69-6	22
5	Propanedinitrile, (ethoxymethyle...	122	C6H6N2O	000123-06-8	22





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

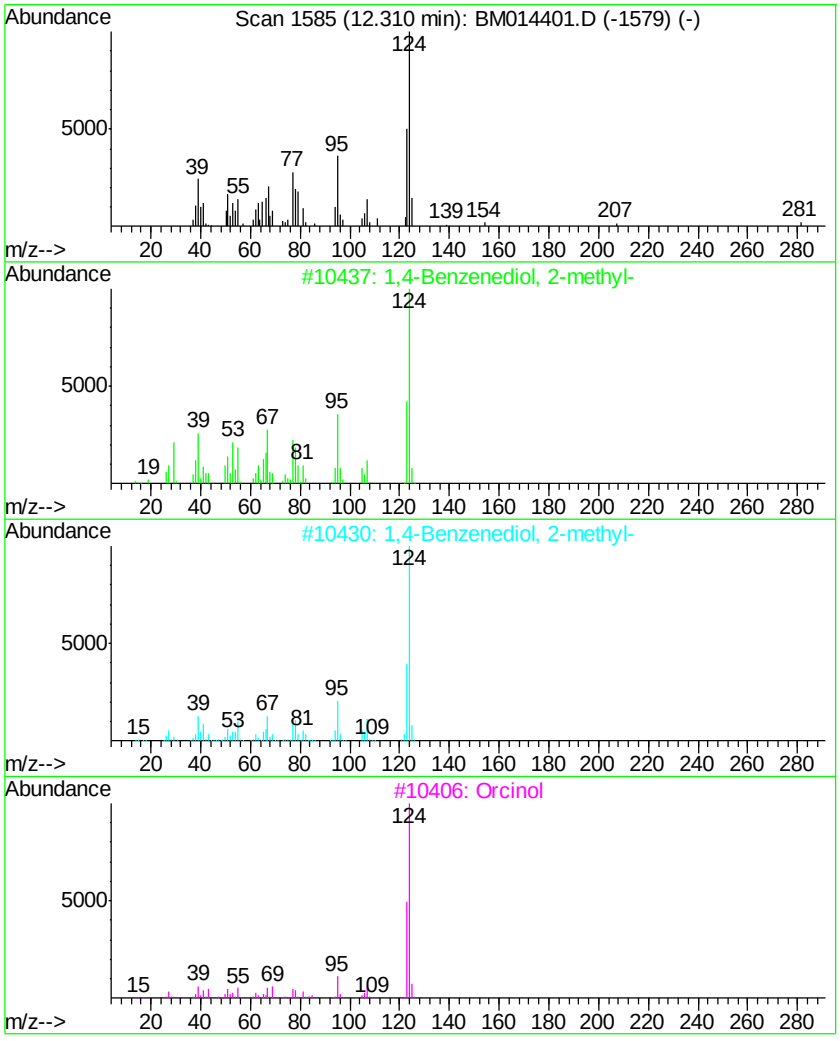
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

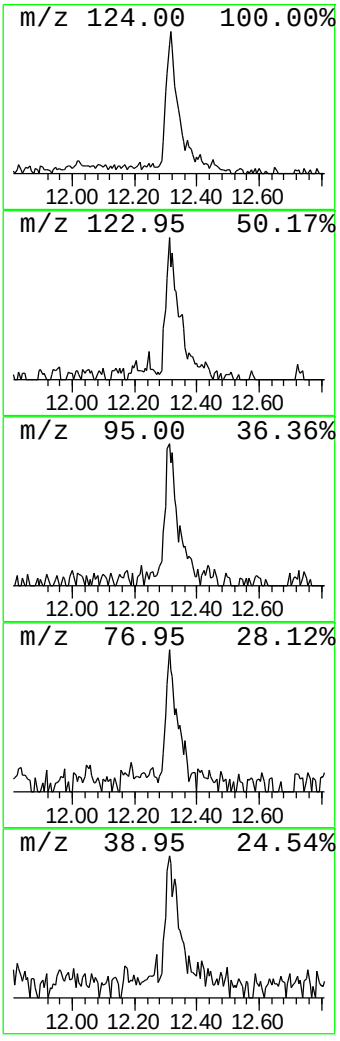
****

Peak Number 2 1,4-Benzenediol, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	4.07 ng/ul	265579	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	94
2	1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	93
3	Orcinol	124	C7H8O2	000504-15-4	87
4	1,3-Benzenediol, 2-methyl-	124	C7H8O2	000608-25-3	87
5	Orcinol	124	C7H8O2	000504-15-4	81





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

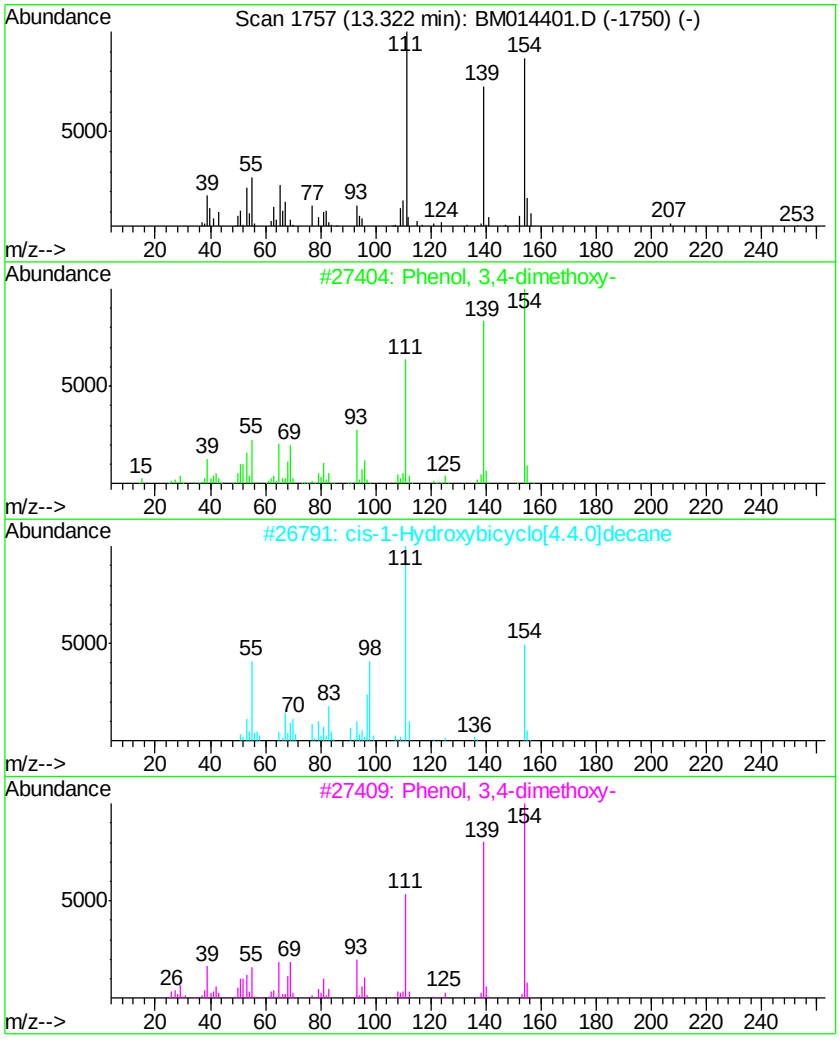
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

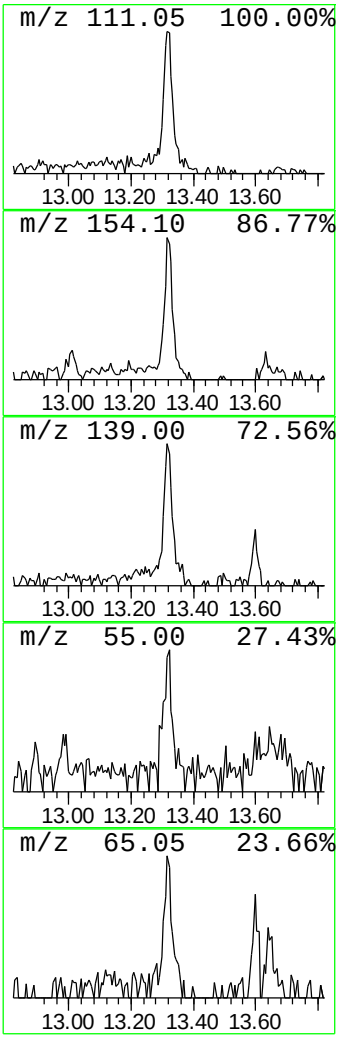
****

Peak Number 3 Phenol, 3,4-dimethoxy- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.61 ng/ul	170088	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dimethoxy-	154	C8H10O3	002033-89-8	52
2	cis-1-Hydroxybicyclo[4.4.0]decane	154	C10H18O	003574-58-1	43
3	Phenol, 3,4-dimethoxy-	154	C8H10O3	002033-89-8	38
4	Benzene, 1-methoxy-4-(methylthio)-	154	C8H10OS	001879-16-9	35
5	Benzenemethanol, 3-hydroxy-5-met...	154	C8H10O3	030891-29-3	35





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

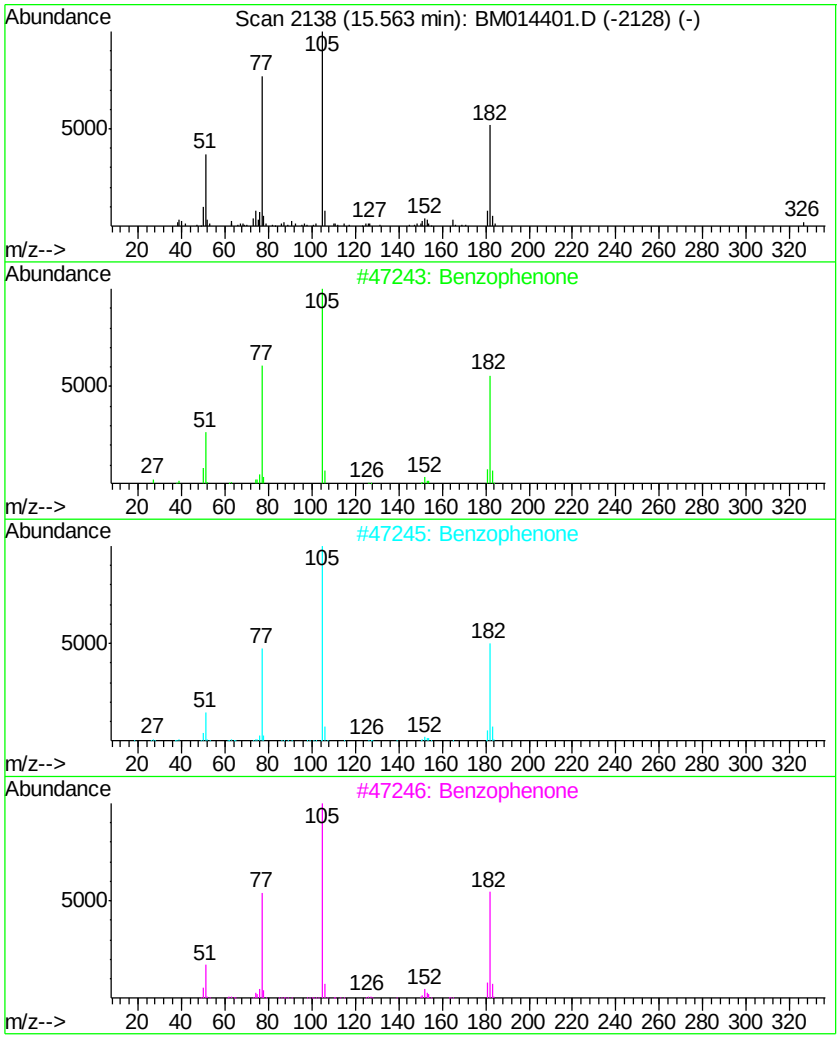
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

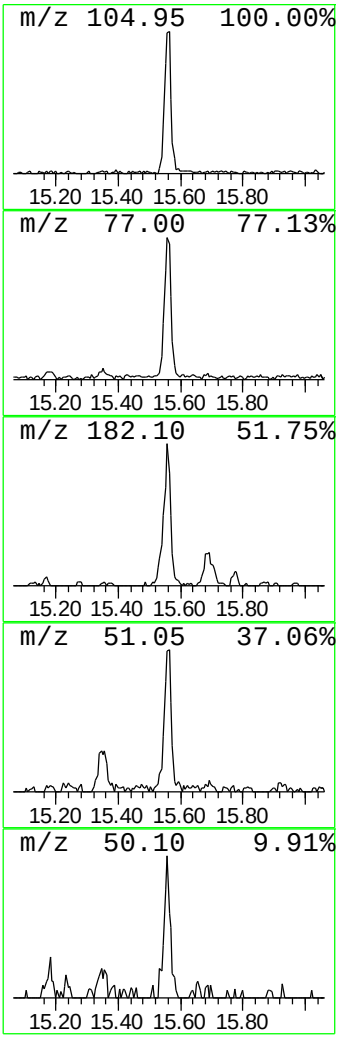
****

Peak Number 4 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	4.11 ng/ul	268059	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzophenone	182	C13H10O	000119-61-9	91
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	87
5	Benzophenone	182	C13H10O	000119-61-9	72





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

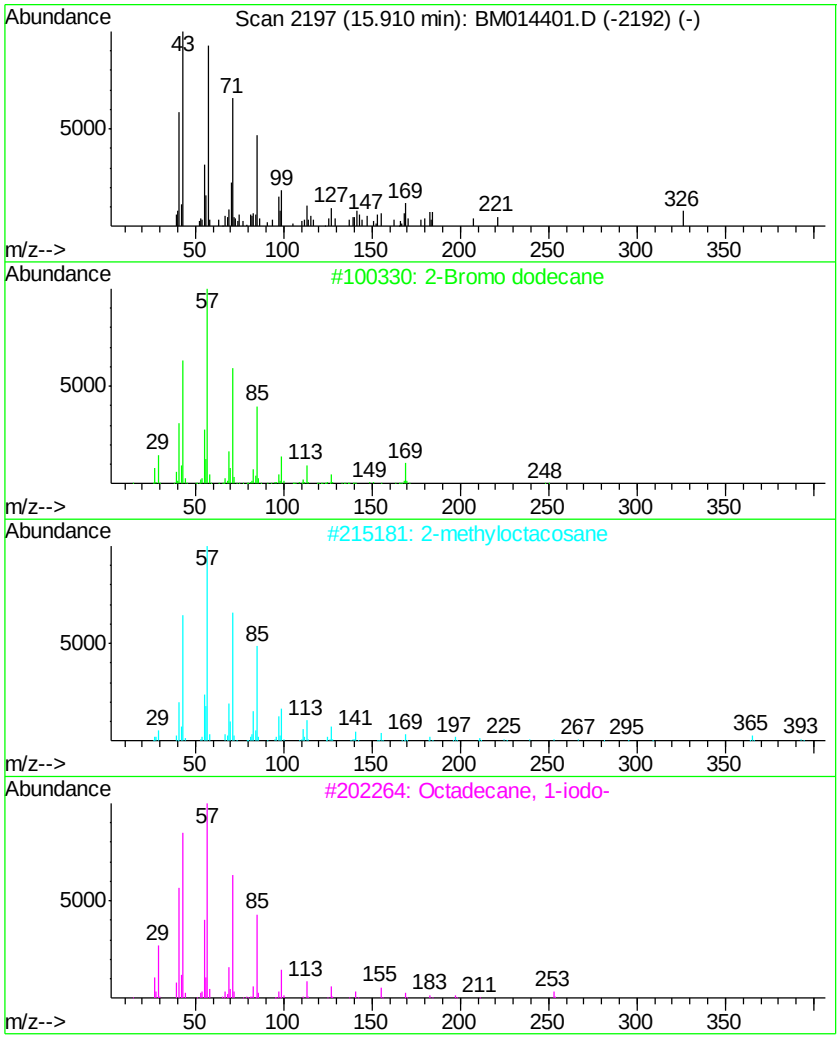
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

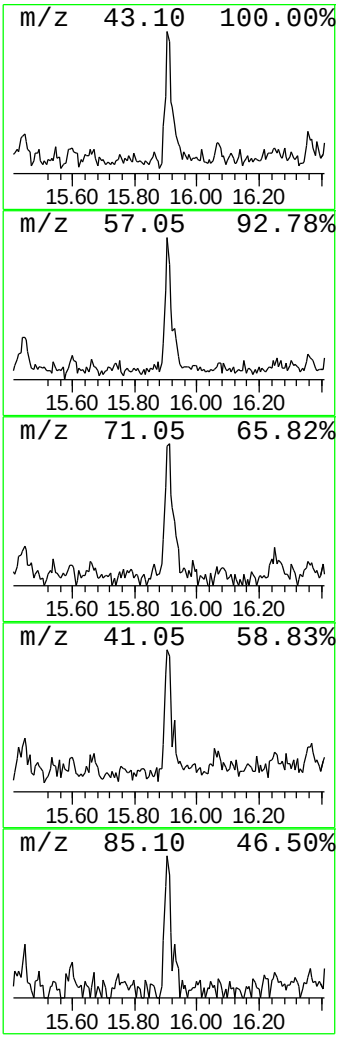
****

Peak Number 5 2-Bromo dodecane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.09 ng/ul	157097	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
2	2-methyloctacosane	408	C29H60	1000376-72-8	72
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	72
4	Hentriacontane	437	C31H64	000630-04-6	72
5	Octadecane	254	C18H38	000593-45-3	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

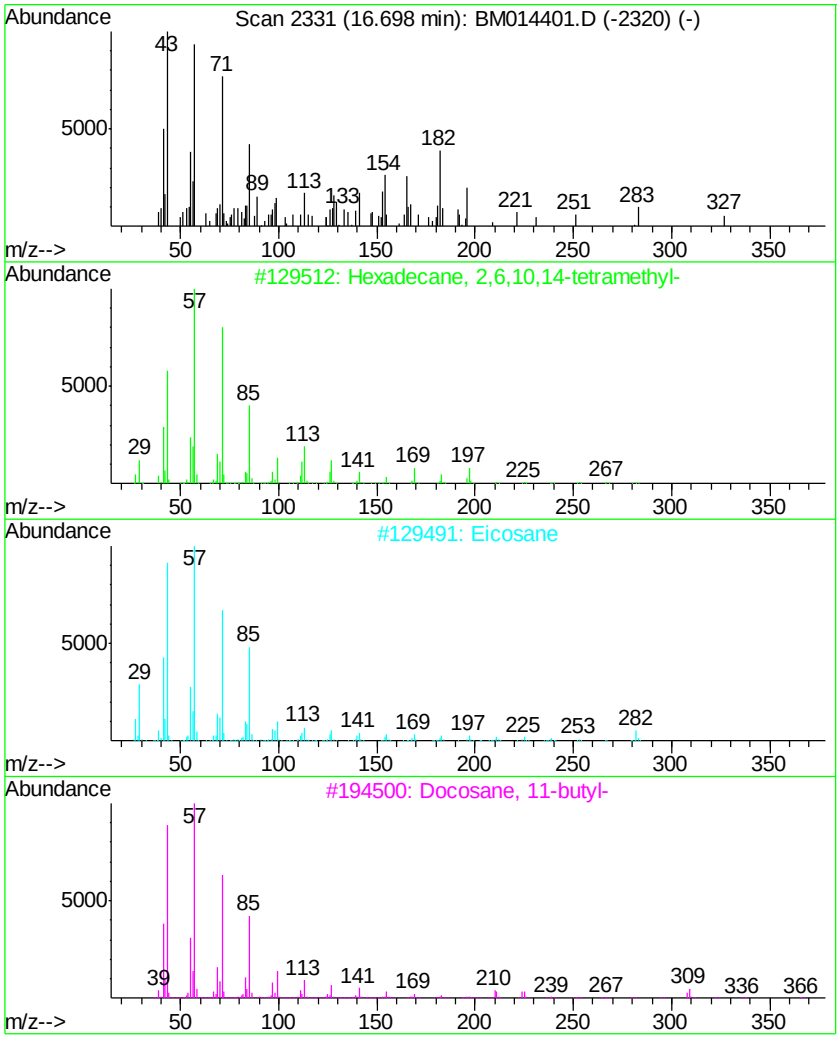
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

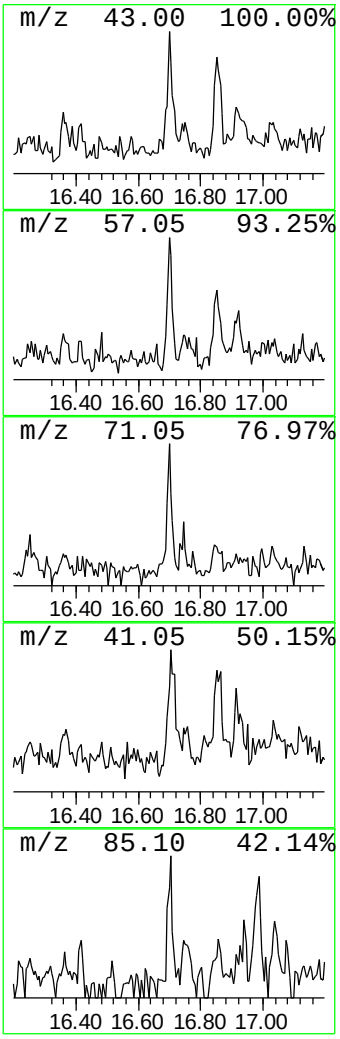
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.25 ng/ul	169023	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	38
2	Eicosane	282	C20H42	000112-95-8	38
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	38
4	Hexadecane	226	C16H34	000544-76-3	38
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	38





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

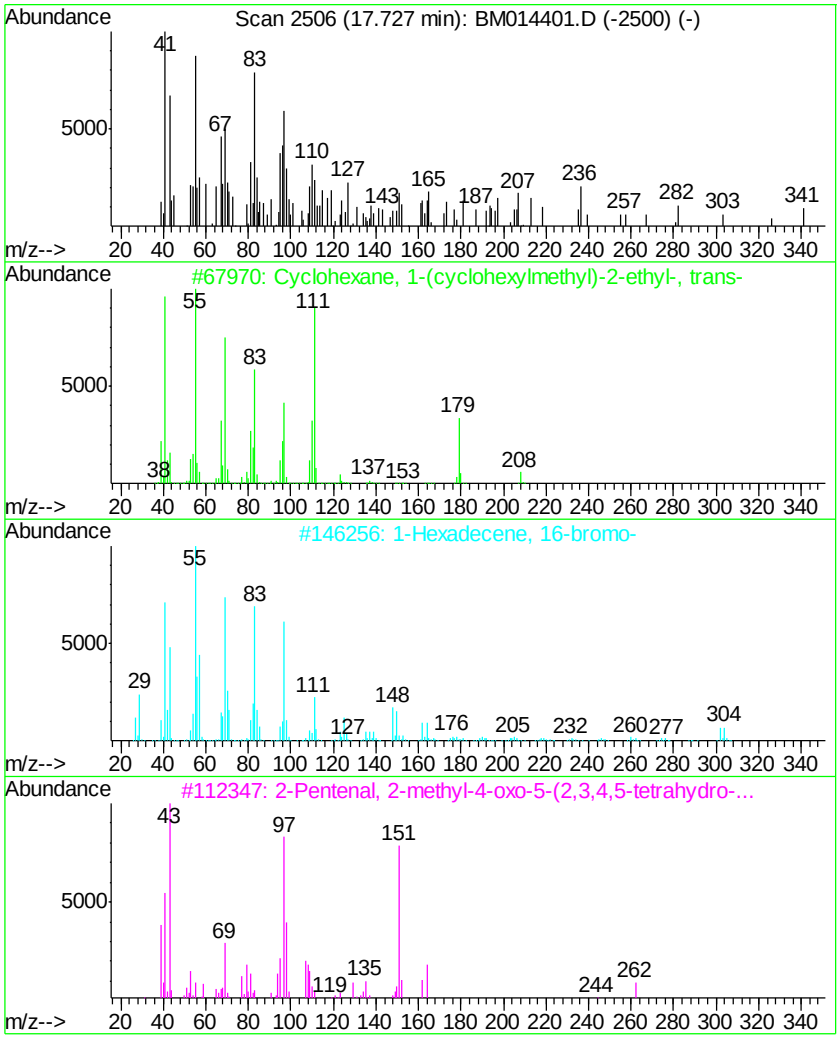
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

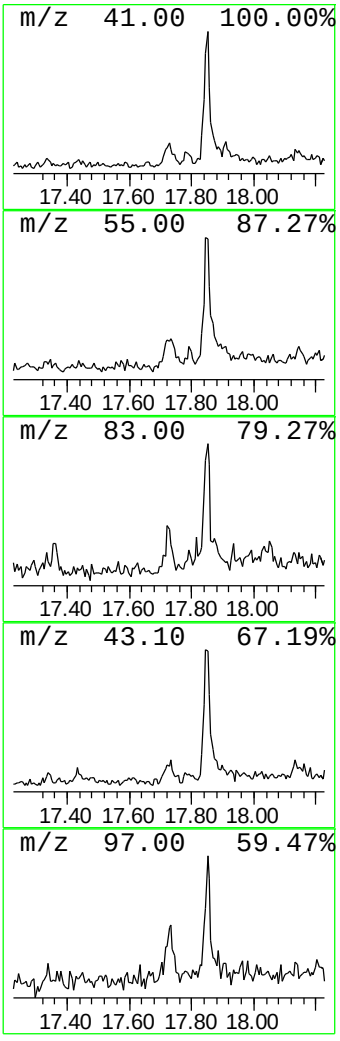
****

Peak Number 7 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.10 ng/ul	157620	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl...	208	C15H28	054934-92-8	42
2	1-Hexadecene, 16-bromo-	302	C16H31Br	118625-56-2	25
3	2-Pentenal, 2-methyl-4-oxo-5-(2,...	262	C15H18O4	055721-95-4	25
4	Cyclohexanepropionic acid, 4-oxo...	198	C11H18O3	058012-66-1	20
5	Cyclohexane, (2,2-dimethylcyclop...	180	C13H24	061142-23-2	15





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

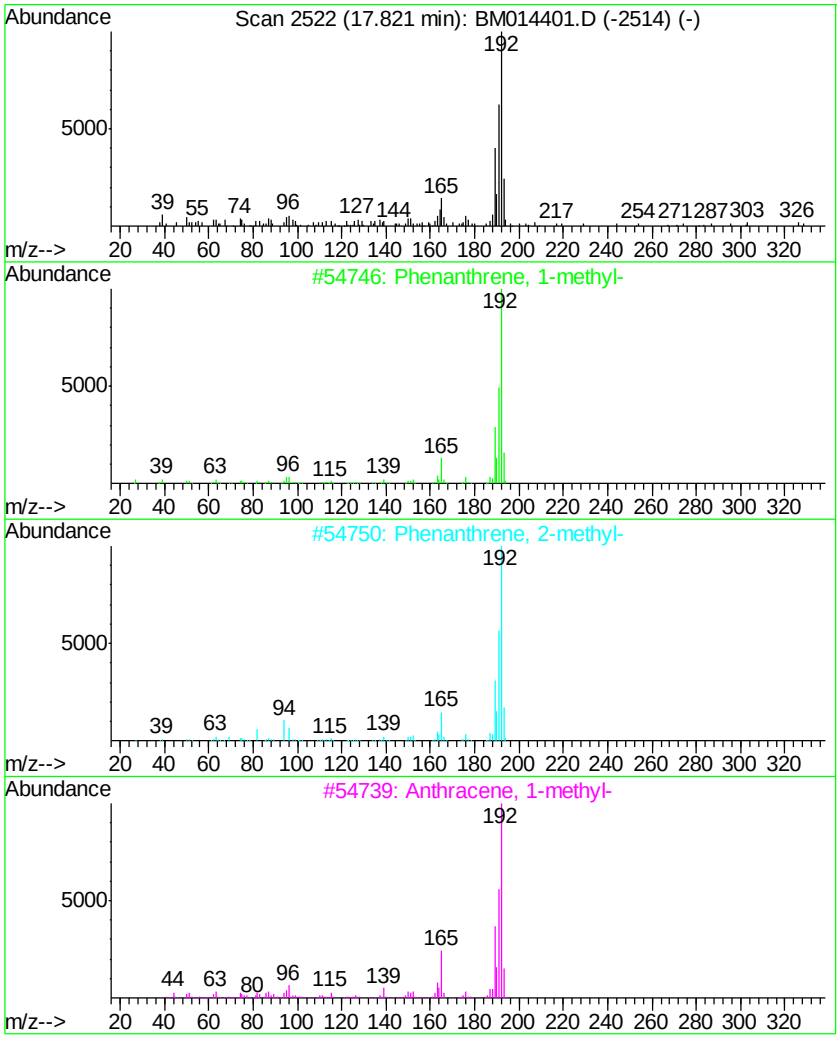
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

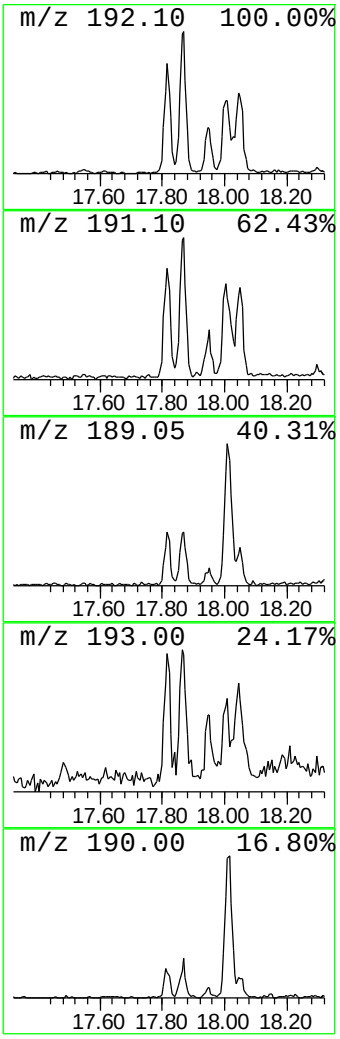
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.73 ng/ul	279874	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

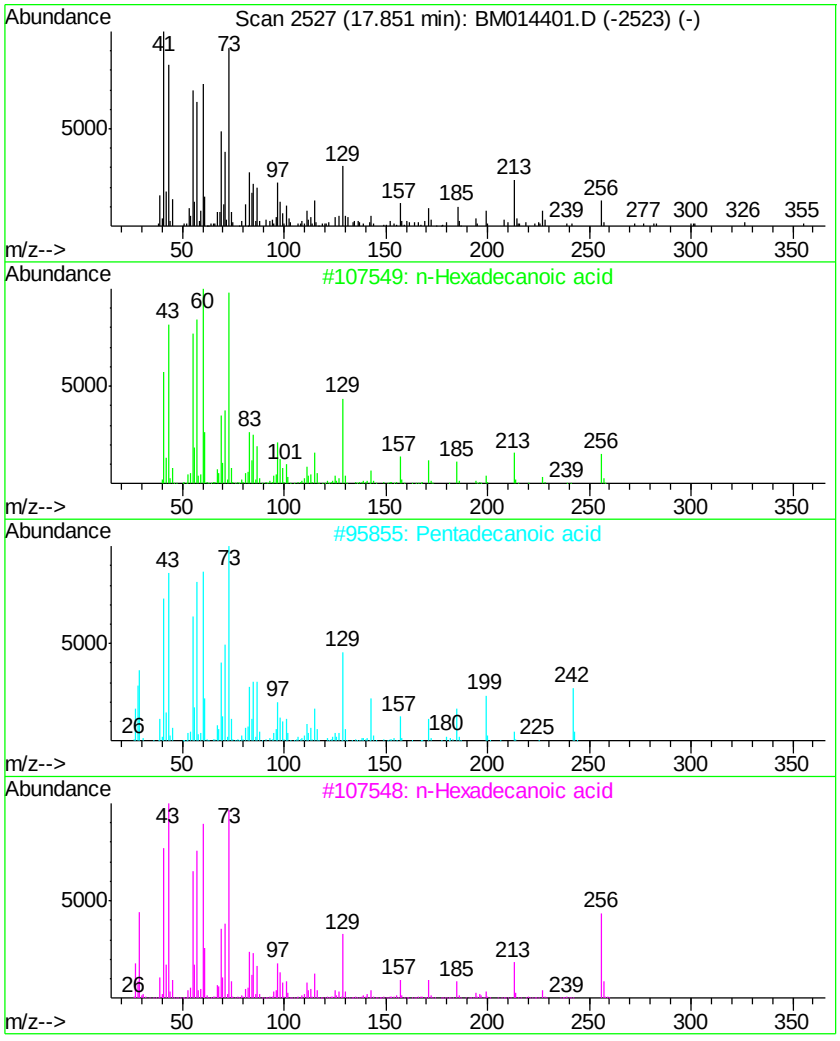
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

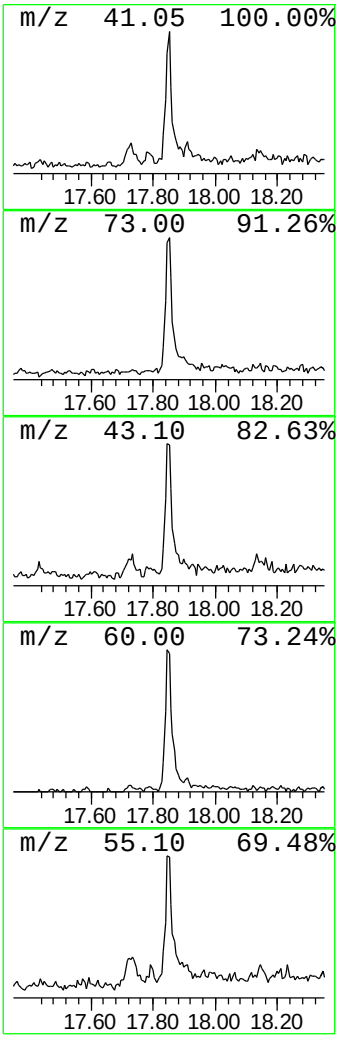
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	11.45 ng/ul	858623	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

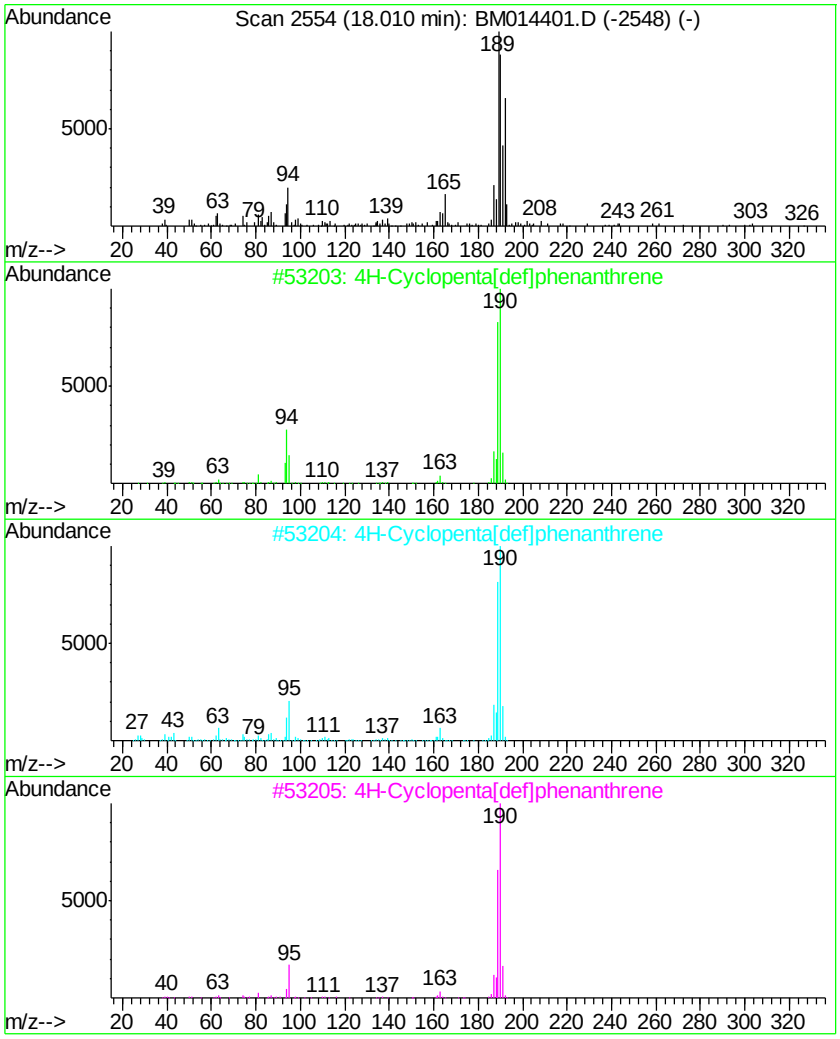
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

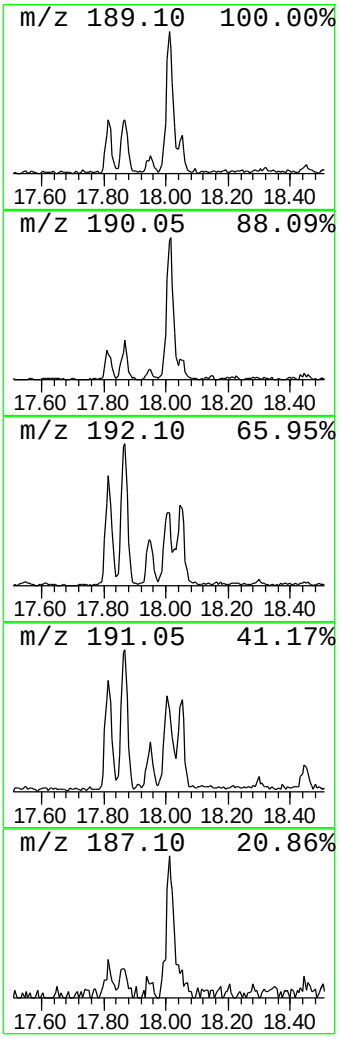
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	5.84 ng/ul	438118	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

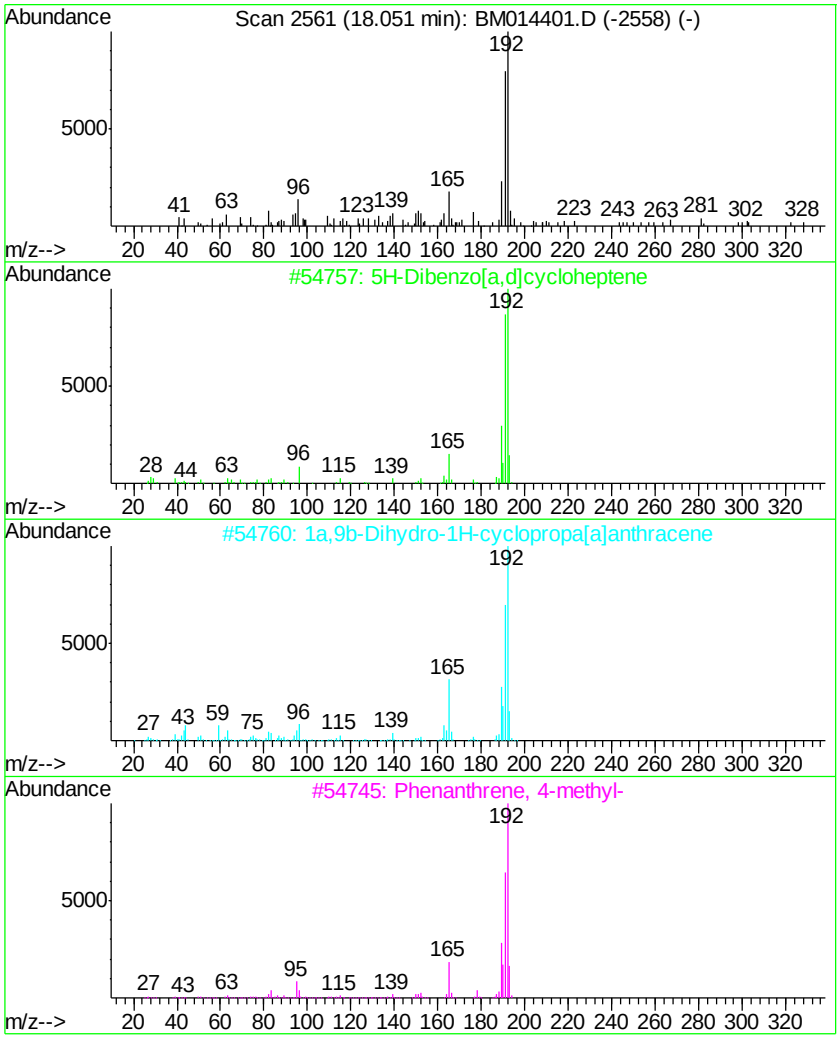
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

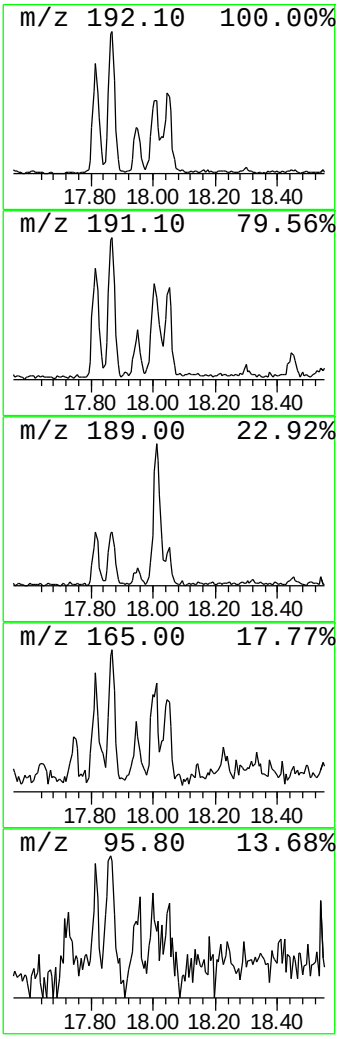
****

Peak Number 11 5H-Dibenzo[a,d]cycloheptene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.27 ng/ul	170492	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	74
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	59
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	59





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

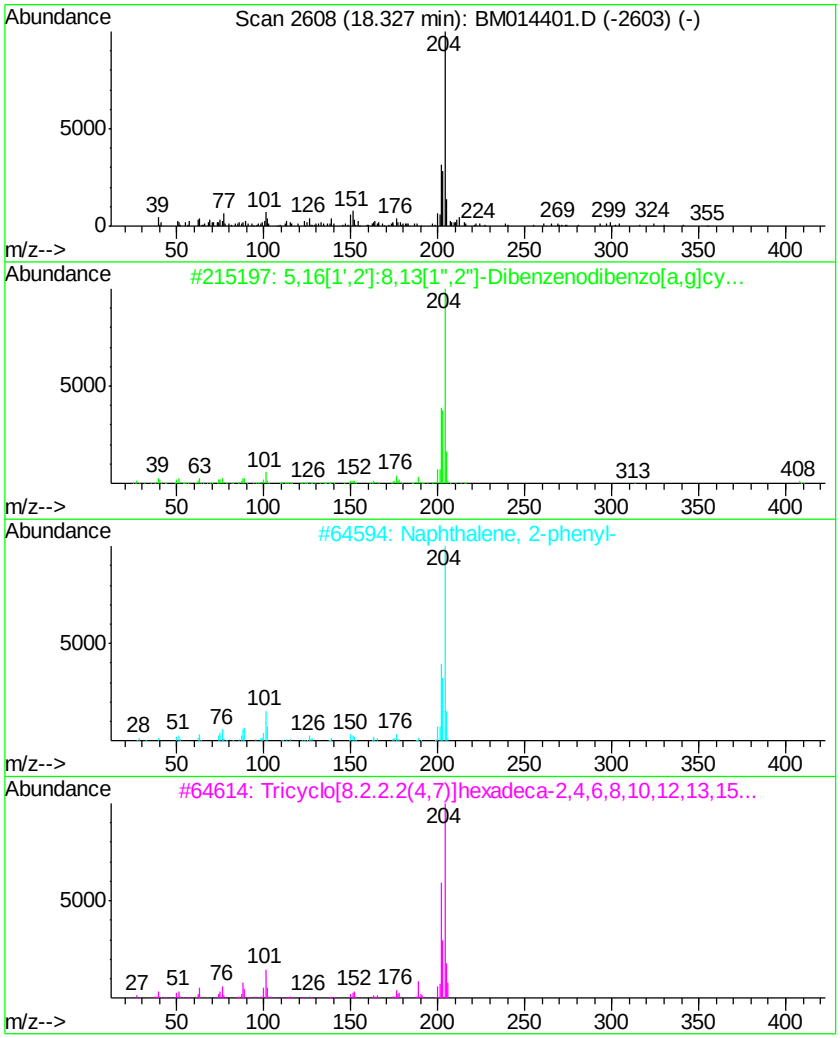
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

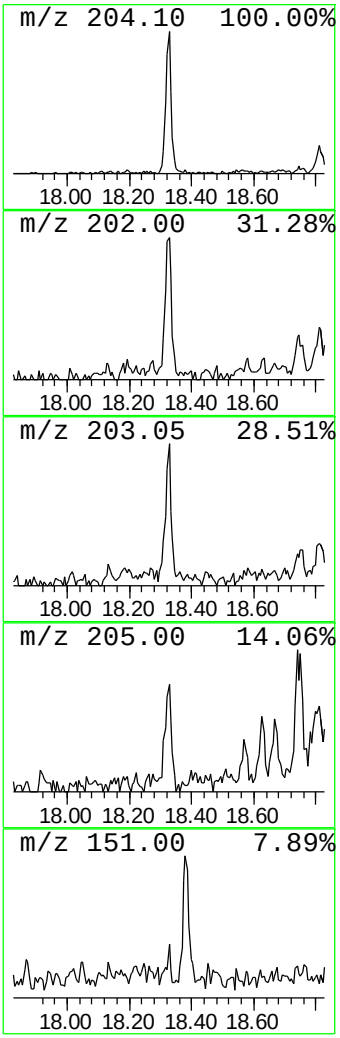
****

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.34 ng/ul	175343	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

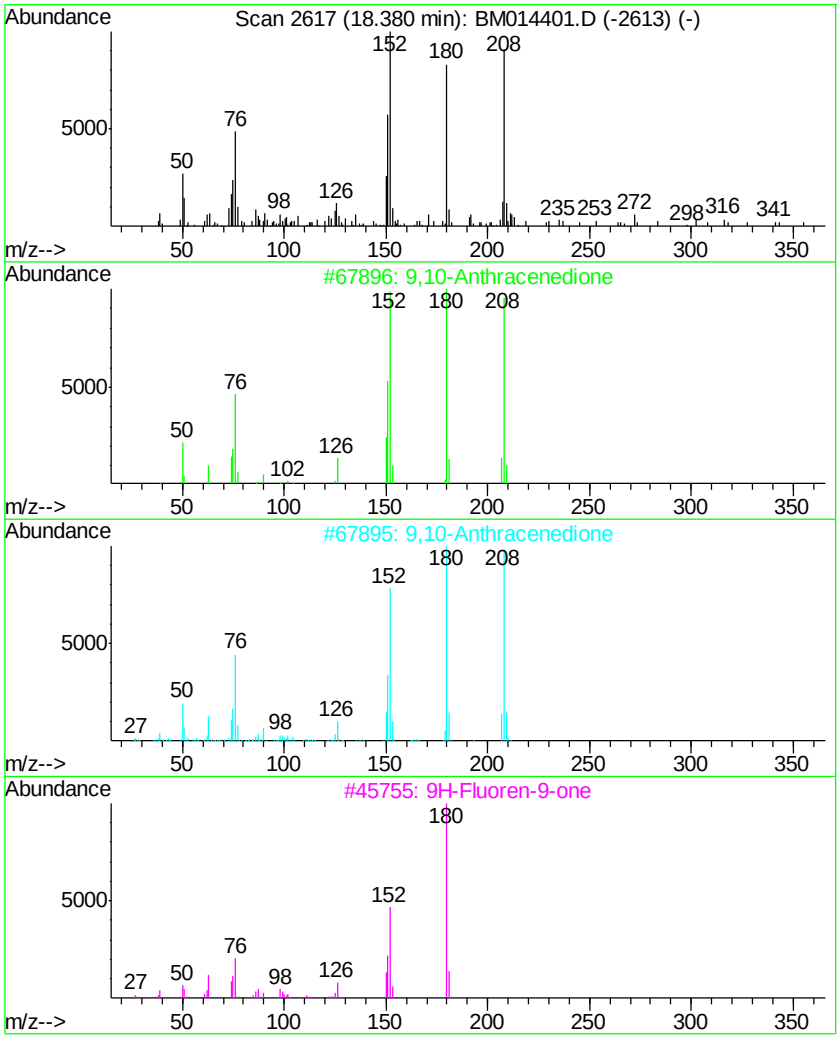
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

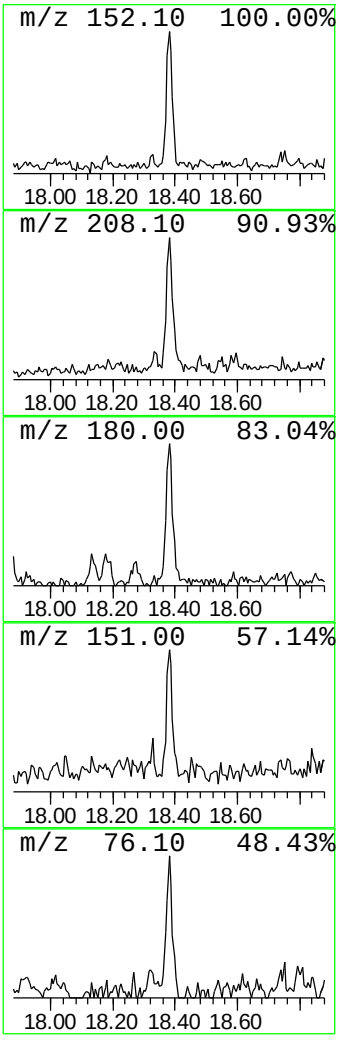
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.09 ng/ul	156884	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	52
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

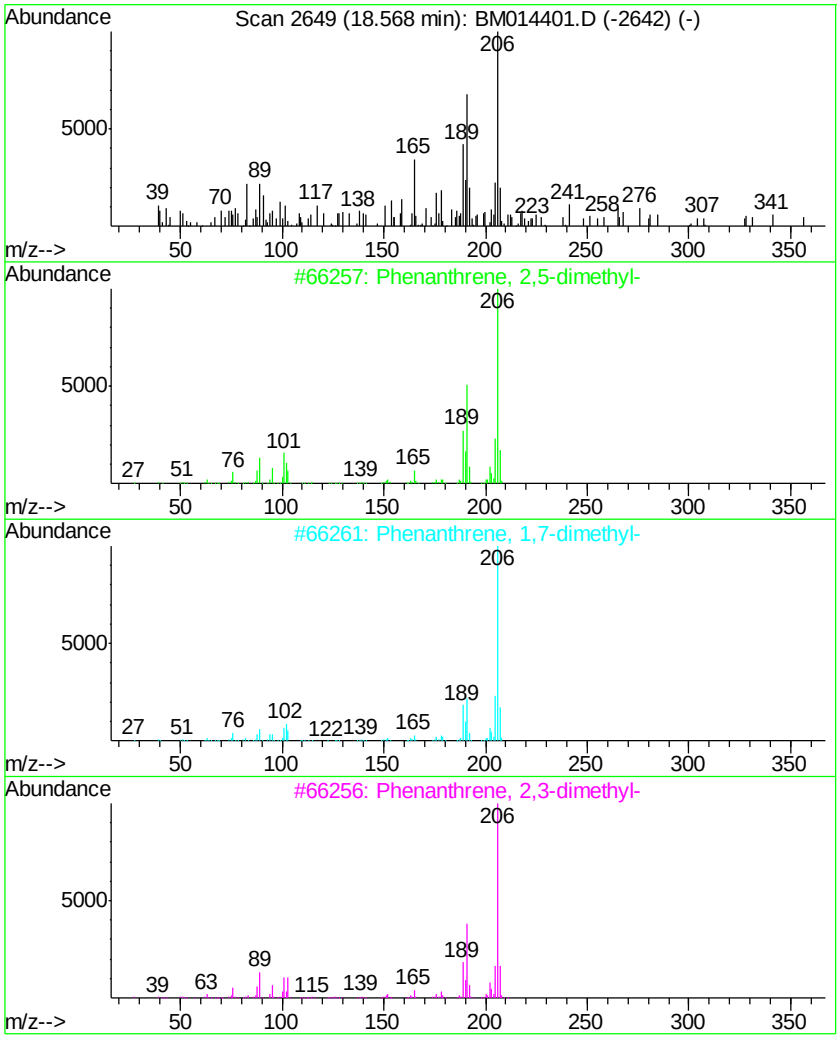
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

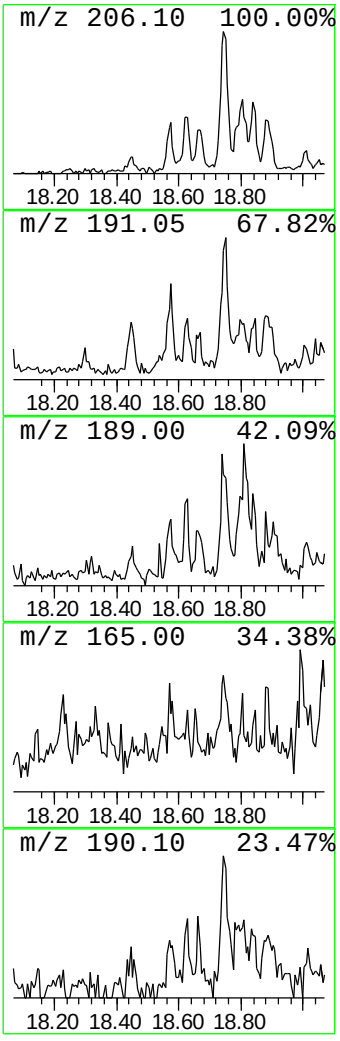
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.06 ng/ul	154393	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

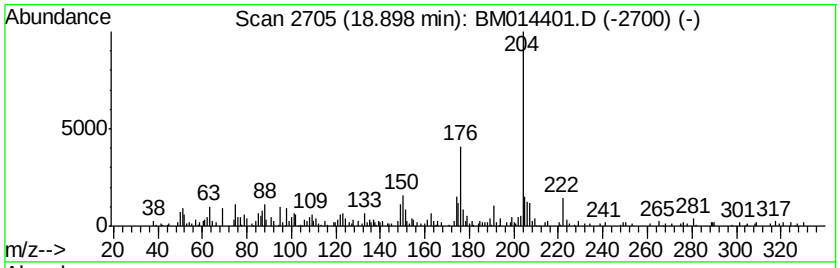
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

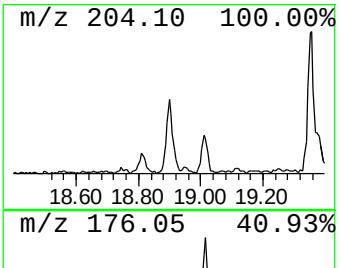
****

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	3.19 ng/ul	238865	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	.alpha.-l-Mannopyranoside, methy...	394	C16H38O5Si3	056271-60-4	47
5	2,2,4,4,6,6-Hexamethylcyclotrisi...	219	C6H21N3Si3	001009-93-4	43





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

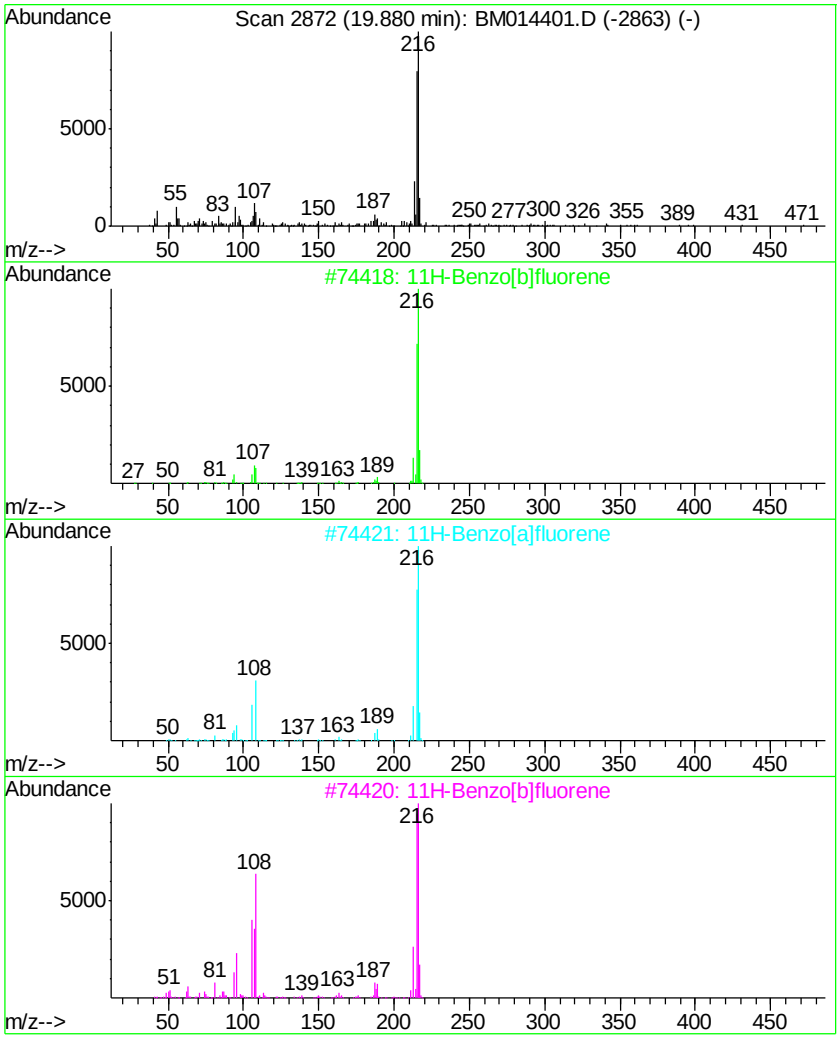
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

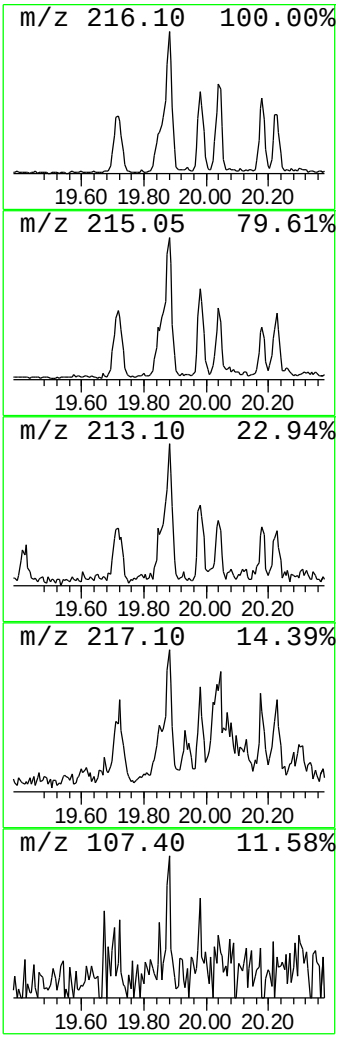
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	4.14 ng/ul	623479	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

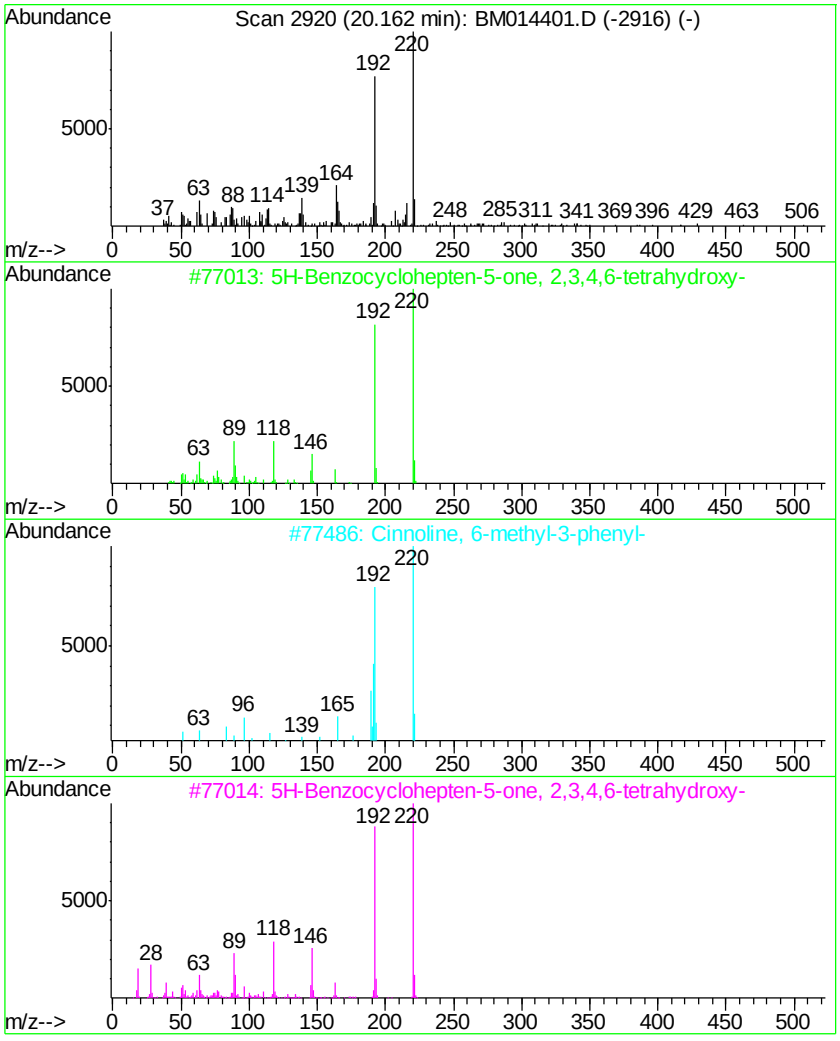
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

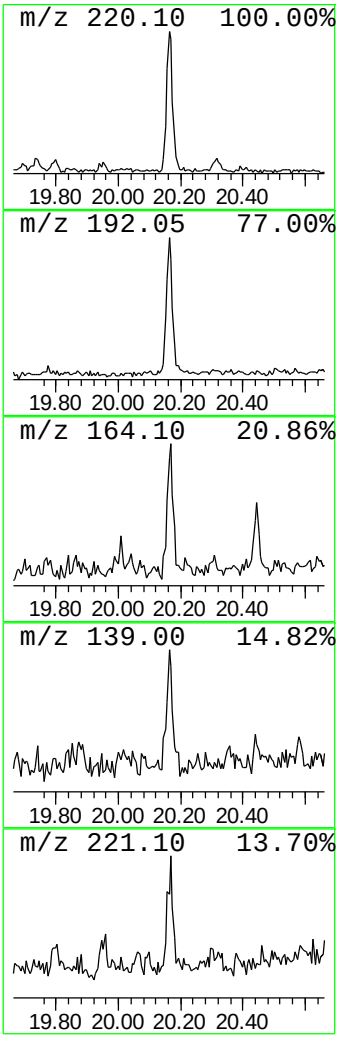
****

Peak Number 18 5H-Benzocyclohepten-5-one, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.01 ng/ul	453728	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzocyclohepten-5-one, 2,3,4...	220	C11H8O5	000569-77-7	76
2	Cinnoline, 6-methyl-3-phenyl-	220	C15H12N2	010501-72-1	68
3	5H-Benzocyclohepten-5-one, 2,3,4...	220	C11H8O5	000569-77-7	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5	2-Isopropylidene-2,5,6,7,8,9-hex...	192	C11H16N2O	172882-46-1	30





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

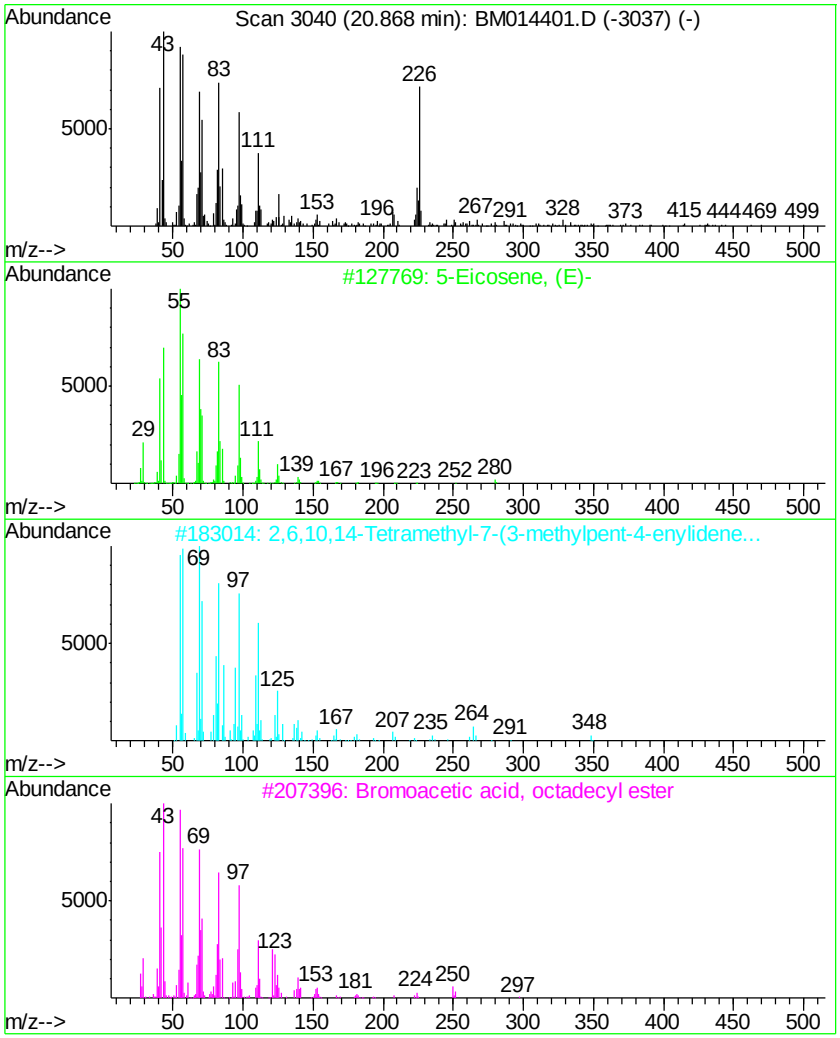
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

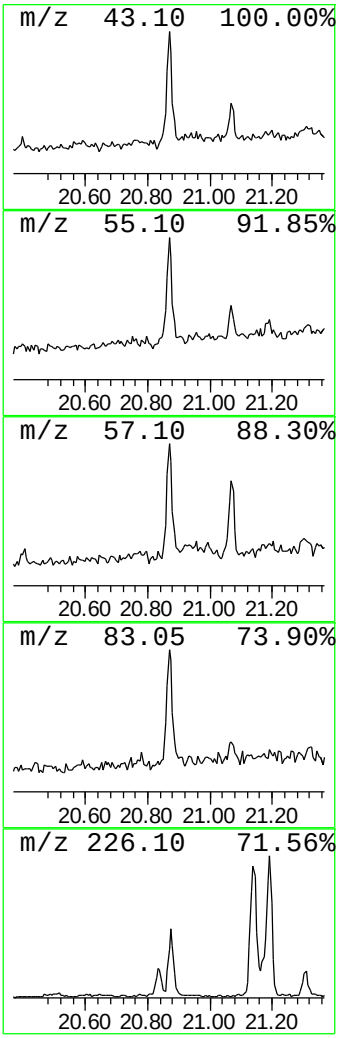
****

Peak Number 20 (DEL) Alkane: Cyclic20.87 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	5.59 ng/ul	842488	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	83
2	2,6,10,14-Tetramethyl-7-(3-methy...	348	C25H48	1000370-41-6	78
3	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	70
4	Carbonic acid, hexadecyl isobuty...	342	C21H42O3	1000314-61-3	68
5	Octacosyl acetate	452	C30H60O2	018206-97-8	68





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

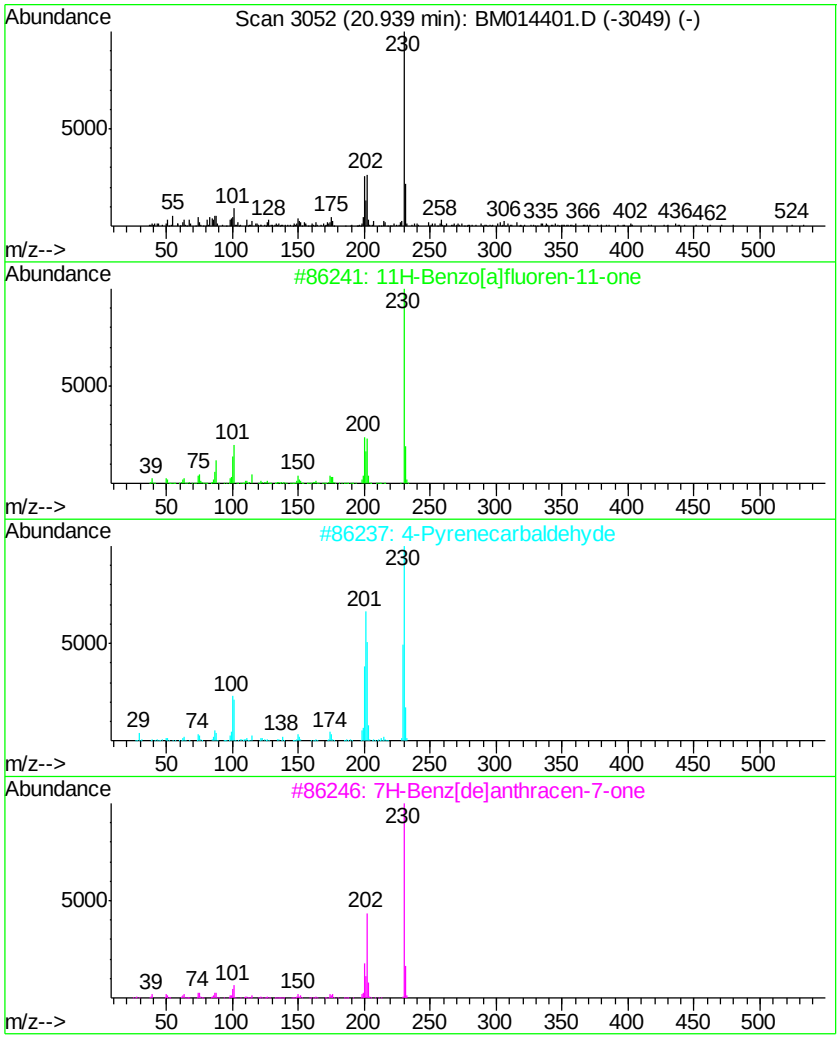
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

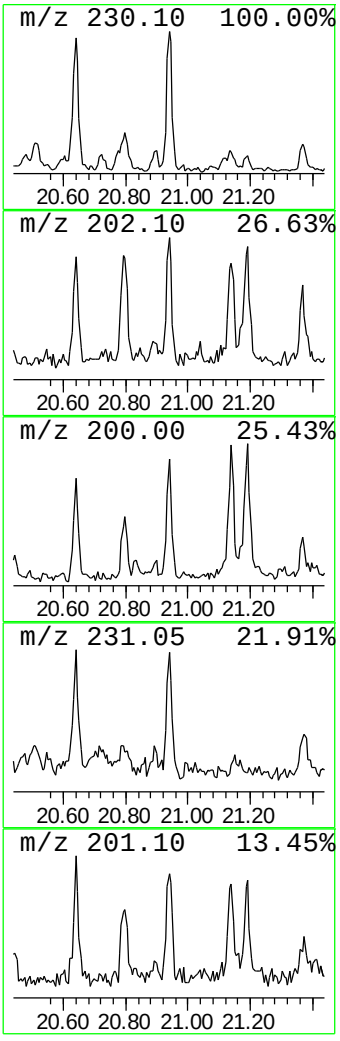
****

Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.31 ng/ul	347679	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

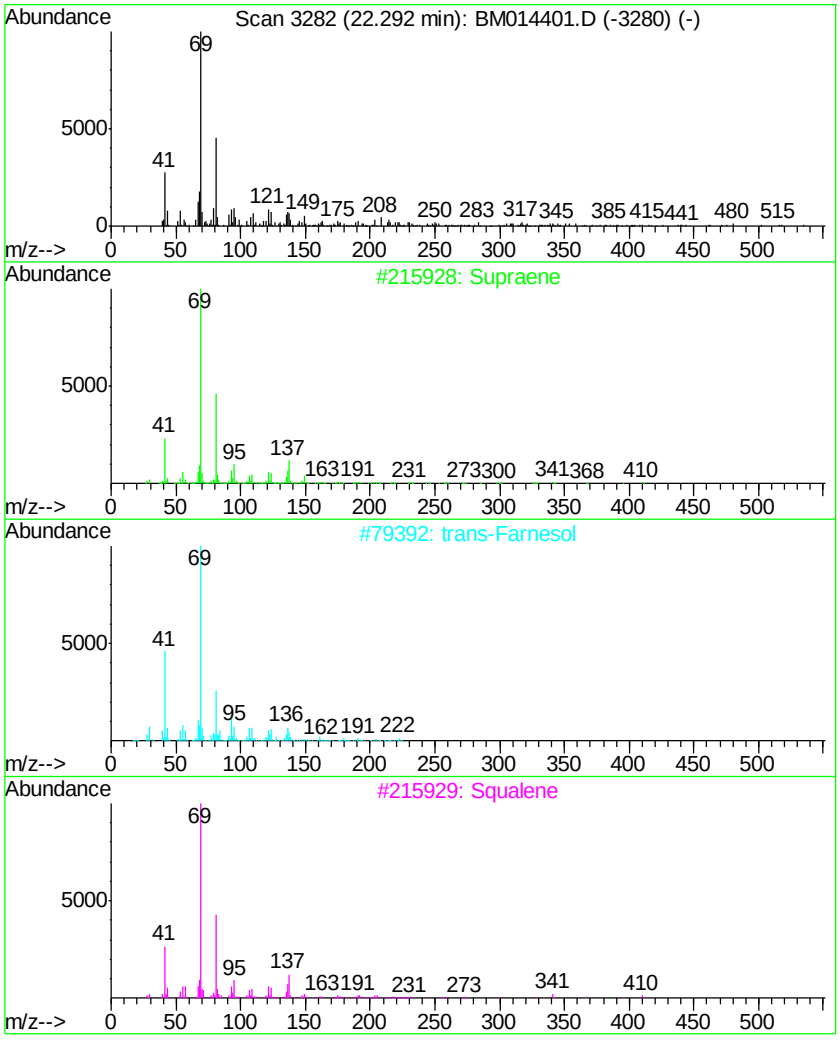
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

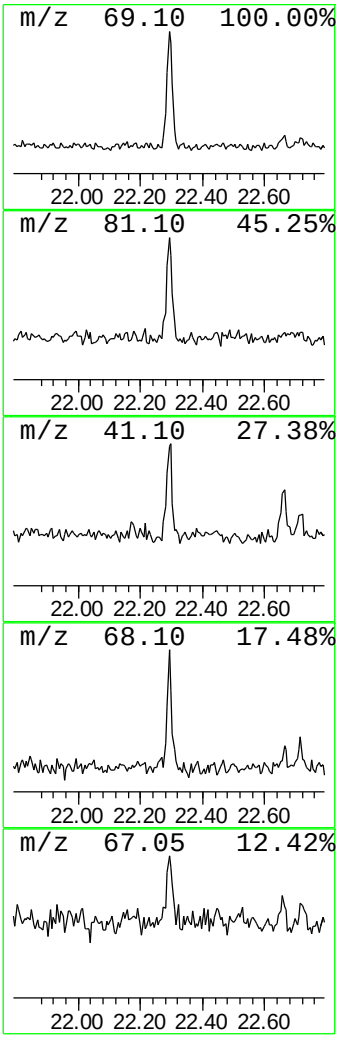
****

Peak Number 22 Supraene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	8.42 ng/ul	471666	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	93
2	trans-Farnesol	222	C15H26O	000106-28-5	81
3	Squalene	410	C30H50	000111-02-4	81
4	2,6,10-Dodecatrienoic acid, 3,7,...	250	C16H26O2	004176-79-8	81
5	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	72





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

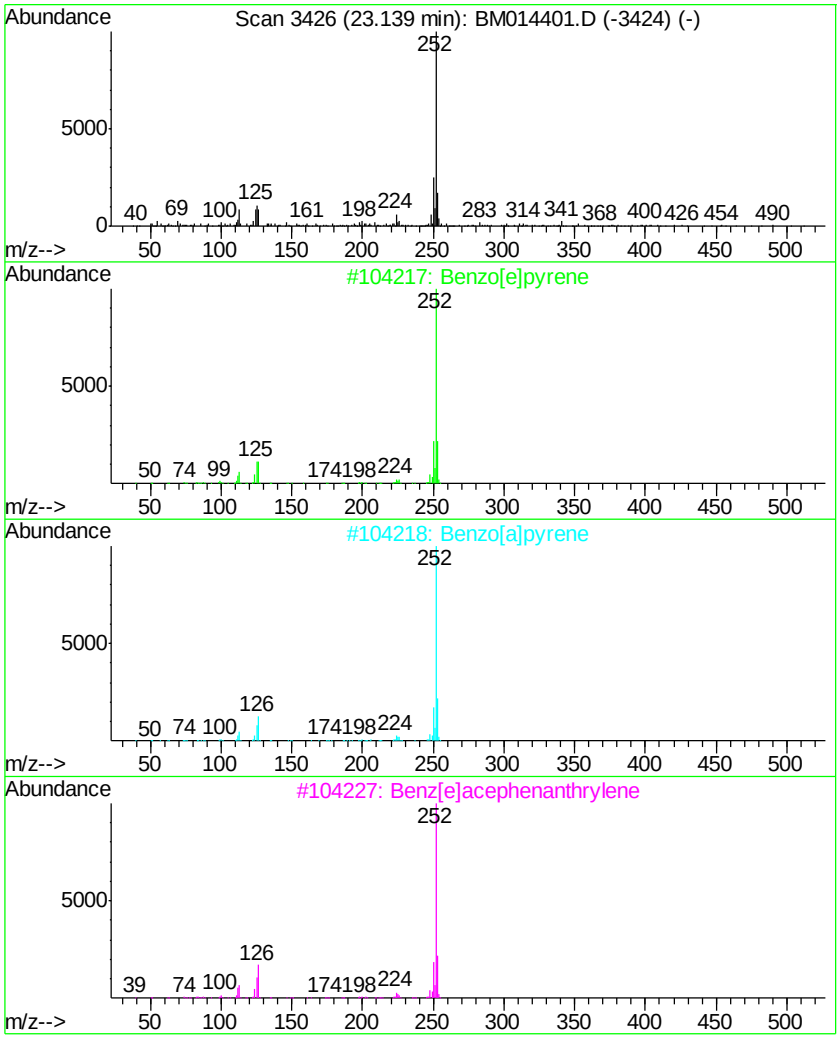
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

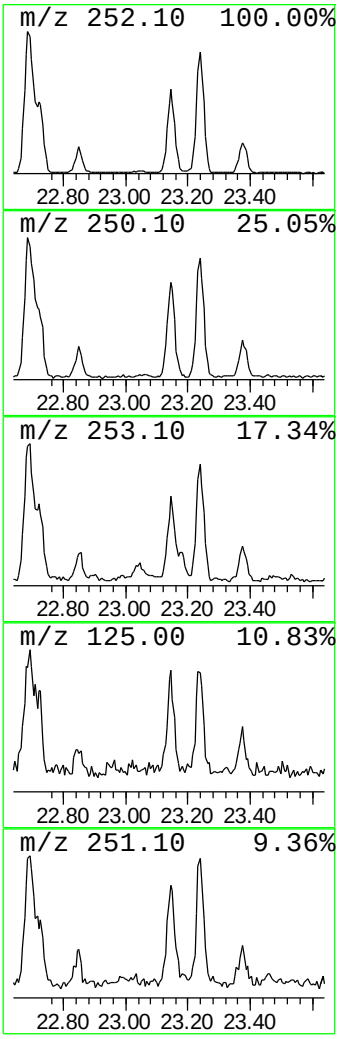
****

Peak Number 23 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	7.66 ng/ul	429208	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Perylene	252	C20H12	000198-55-0	81





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

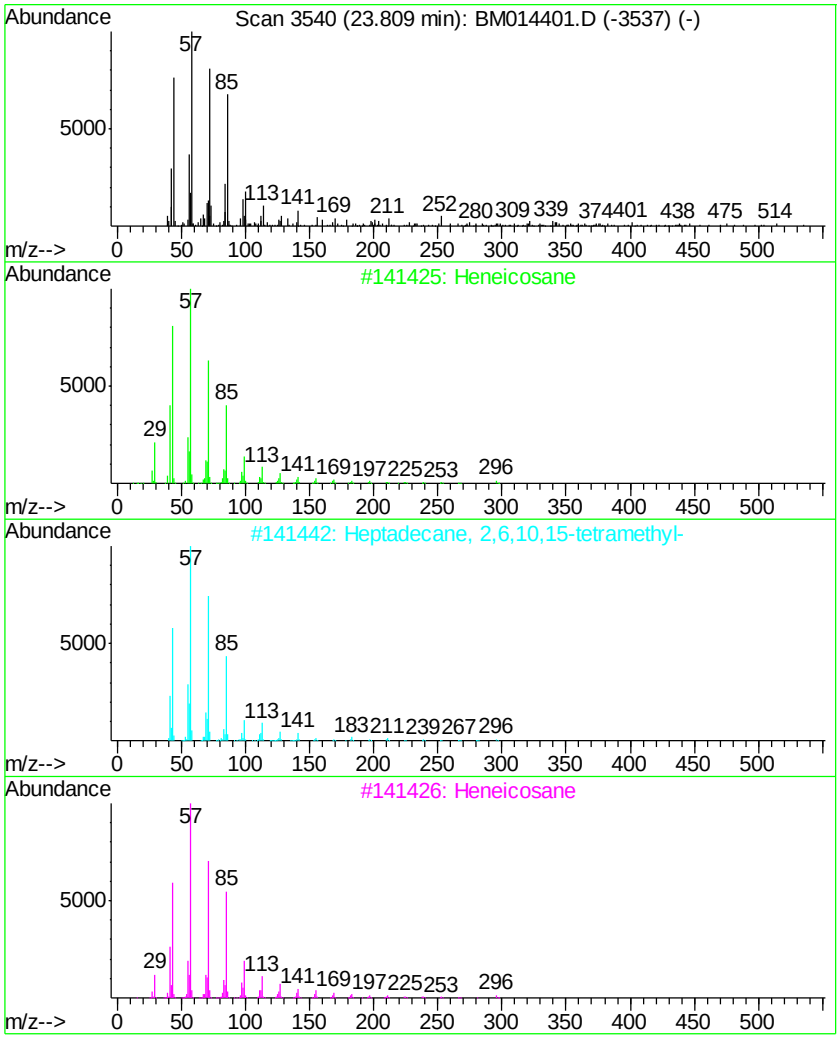
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

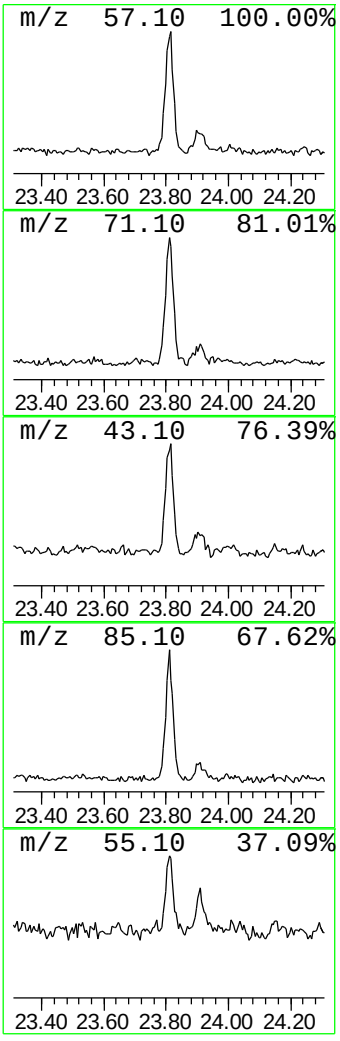
****

Peak Number 24 (DEL) Alkane: Cyclic23.81 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	13.08 ng/ul	732610	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Heneicosane	296	C21H44	000629-94-7	83
4	Eicosane	282	C20H42	000112-95-8	83
5	2-methyloctacosane	408	C29H60	1000376-72-8	83





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022818\
Data File : BM014401.D
Acq On : 28 Feb 2018 13:24
Operator : SJ/JU
Sample : J1646-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	10.05	10.0	ng/ul	513523	2	10.29	1024900	20.0
1,4-Benzenediol, ...	12.31	4.1	ng/ul	265579	3	14.18	1304150	20.0
Phenol, 3,4-dimet...	13.32	2.6	ng/ul	170088	3	14.18	1304150	20.0
Benzophenone	15.56	4.1	ng/ul	268059	3	14.18	1304150	20.0
2-Bromo dodecane	15.91	2.1	ng/ul	157097	4	16.94	1499750	20.0
(DEL) Alkane: Str...	16.70	2.3	ng/ul	169023	4	16.94	1499750	20.0
unknown-02	17.73	2.1	ng/ul	157620	4	16.94	1499750	20.0
Phenanthrene, 1-m...	17.82	3.7	ng/ul	279874	4	16.94	1499750	20.0
n-Hexadecanoic acid	17.85	11.4	ng/ul	858623	4	16.94	1499750	20.0
4H-Cyclopenta[def...	18.01	5.8	ng/ul	438118	4	16.94	1499750	20.0
5H-Dibenzo[a,d]cy...	18.05	2.3	ng/ul	170492	4	16.94	1499750	20.0
5,16[1',2']:8,13[...	18.33	2.3	ng/ul	175343	4	16.94	1499750	20.0
9,10-Anthracenedione	18.38	2.1	ng/ul	156884	4	16.94	1499750	20.0
Phenanthrene, 2,5...	18.57	2.1	ng/ul	154393	4	16.94	1499750	20.0
Cyclopenta(def)ph...	18.90	3.2	ng/ul	238865	4	16.94	1499750	20.0
11H-Benzo[b]fluorene	19.88	4.1	ng/ul	623479	5	21.16	3014680	20.0
5H-Benzocyclohept...	20.16	3.0	ng/ul	453728	5	21.16	3014680	20.0
(DEL) Alkane: Cyc...	20.87	5.6	ng/ul	842488	5	21.16	3014680	20.0
11H-Benzo[a]fluor...	20.94	2.3	ng/ul	347679	5	21.16	3014680	20.0
Supraene	22.29	8.4	ng/ul	471666	6	23.33	1120430	20.0
Benzo[e]pyrene	23.14	7.7	ng/ul	429208	6	23.33	1120430	20.0
(DEL) Alkane: Cyc...	23.81	13.1	ng/ul	732610	6	23.33	1120430	20.0