LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM111218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.452	75	79	86	rBV	25608	40563	1.15%	0.105%
2	4.769	299	303	311	rBV	48228	68189	1.93%	0.176%
3	5.211	372	378	395	rBV	1251297	1846366	52.20%	4.775%
4	6.275	552	559	566	rVB	2385792	3537126	100.00%	9.148%
5	6.569	603	609	614	rBV2	48227	73441	2.08%	0.190%
6	6.769	636	643	658	rVB	1097423	1863130	52.67%	4.819%
7	7.010	679	684	689	rBV	77787	122303	3.46%	0.316%
8	7.116	695	702	712	rBV	1266705	1995647	56.42%	5.162%
9	7.581	768	781	788	rBV	820778	1350954	38.19%	3.494%
10	7.787	811	816	822	rVB2	92866	133619	3.78%	0.346%
11	7.893	827	834	844	rVB	972158	1555816	43.99%	4.024%
12	8.381	913	917	922	rBV5	21072	35377	1.00%	0.091%
13	8.734	970	977	995	rBV	616028	1148628	32.47%	2.971%
14	8.910	1002	1007	1012	rVB5	20572	47038	1.33%	0.122%
15	9.134	1037	1045	1050	rBV8	18936	42782	1.21%	0.111%
16	9.263	1061	1067	1075	rVB5	47580	86959	2.46%	0.225%
17	9.522	1104	1111	1116	rBV6	28569	46848	1.32%	0.121%
18	9.663	1131	1135	1144	rVB4	32499	65644	1.86%	0.170%
19	10.051	1193	1201	1207	rBV6	17114	44798	1.27%	0.116%
20	10.128	1207	1214	1218	rVB5	23597	50393	1.42%	0.130%
21	10.345	1245	1251	1266	rVB	970593	1653026	46.73%	4.275%
22	10.463	1267	1271	1275	rVV6	26696	43182	1.22%	0.112%
23	10.816	1327	1331	1336	rVB7	25320	49853	1.41%	0.129%
24	11.010	1358	1364	1372	rBV7	31542	85294	2.41%	0.221%
25	11.257	1400	1406	1412	rBV8	19772	51485	1.46%	0.133%
26	11.369	1419	1425	1428	rBV3	36498	67577	1.91%	0.175%
27	11.534	1448	1453	1461	rVB9	32118	72797	2.06%	0.188%
28	11.616	1461	1467	1472	rBV9	22187	47652	1.35%	0.123%
29	11.775	1484	1494	1498	rBV9	39259	101259	2.86%	0.262%
30	12.275	1573	1579	1584	rBV3	73655	129276	3.65%	0.334%
31	12.404	1596	1601	1607	rBV8	27244	61626	1.74%	0.159%
32	12.698	1646	1651	1654	rBV6	30313	51813	1.46%	0.134%
33	12.745	1655	1659	1664	rVV3	70122	107198	3.03%	0.277%
34	12.834	1668	1674	1681	rBV	1399015	2046942	57.87%	5.294%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM111218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.039	1706	1709	1715	rVV2	49816	82646	2.34%	0.214%
36	13.092	1715	1718	1722	rVV5	26809	37954	1.07%	0.098%
37	13.204	1734	1737	1742	rVB5	39374	56792	1.61%	0.147%
38	13.698	1815	1821	1825	rBV2	180463	354871	10.03%	0.918%
39	14.133	1890	1895	1898	rVB3	88676	128839	3.64%	0.333%
40	14.222	1905	1910	1918	rVB2	1171831	1867650	52.80%	4.830%
41	14.751	1997	2000	2010	rVB7	86532	183111	5.18%	0.474%
42	14.851	2010	2017	2018	rBV7	51374	107240	3.03%	0.277%
43	15.092	2055	2058	2061	rVB	100014	105942	3.00%	0.274%
44	15.498	2123	2127	2132	rVB	123830	183079	5.18%	0.474%
45	15.651	2150	2153	2159	rBV8	29884	50200	1.42%	0.130%
46	15.727	2159	2166	2174	rBV	984483	1543647	43.64%	3.992%
47	15.957	2201	2205	2206	rBV	128244	143939	4.07%	0.372%
48	16.633	2317	2320	2326	rVB6	57171	86525	2.45%	0.224%
49	16.751	2337	2340	2344	rBV	84598	105387	2.98%	0.273%
50	16.798	2345	2348	2357	rVB2	129816	250649	7.09%	0.648%
51	16.980	2374	2379	2384	rBV2	1340555	1947396	55.06%	5.037%
52	17.486	2462	2465	2469	rVB2	75676	83409	2.36%	0.216%
53	17.886	2530	2533	2543	rVB4	185840	336262	9.51%	0.870%
54	18.180	2580	2583	2591	rVB3	87820	147341	4.17%	0.381%
55	18.821	2689	2692	2699	rVB3	90997	129406	3.66%	0.335%
56	19.051	2727	2731	2734	rBV	174571	236172	6.68%	0.611%
57	19.180	2750	2753	2760	rBV5	136143	228214	6.45%	0.590%
58	19.415	2789	2793	2797	rBV2	228394	327787	9.27%	0.848%
59	19.627	2822	2829	2834	rVB	1852597	2481964	70.17%	6.419%
60	19.939	2878	2882	2887	rVB4	215014	325763	9.21%	0.843%
61	20.092	2905	2908	2918	rVB4	298336	490231	13.86%	1.268%
62	20.410	2958	2962	2972	rBV7	283575	864167	24.43%	2.235%
63	20.751	3017	3020	3025	rBV5	254553	347024	9.81%	0.898%
64	20.880	3038	3042	3046	rBV	1050716	1406185	39.76%	3.637%
65	21.115	3078	3082	3088	rBV	393457	708796	20.04%	1.833%
66	21.186	3090	3094	3099	rVV	1817095	2354551	66.57%	6.090%
67	23.374	3461	3466	3471	rVB	1321373	2236184	63.22%	5.784%

Sum of corrected areas: 38663924

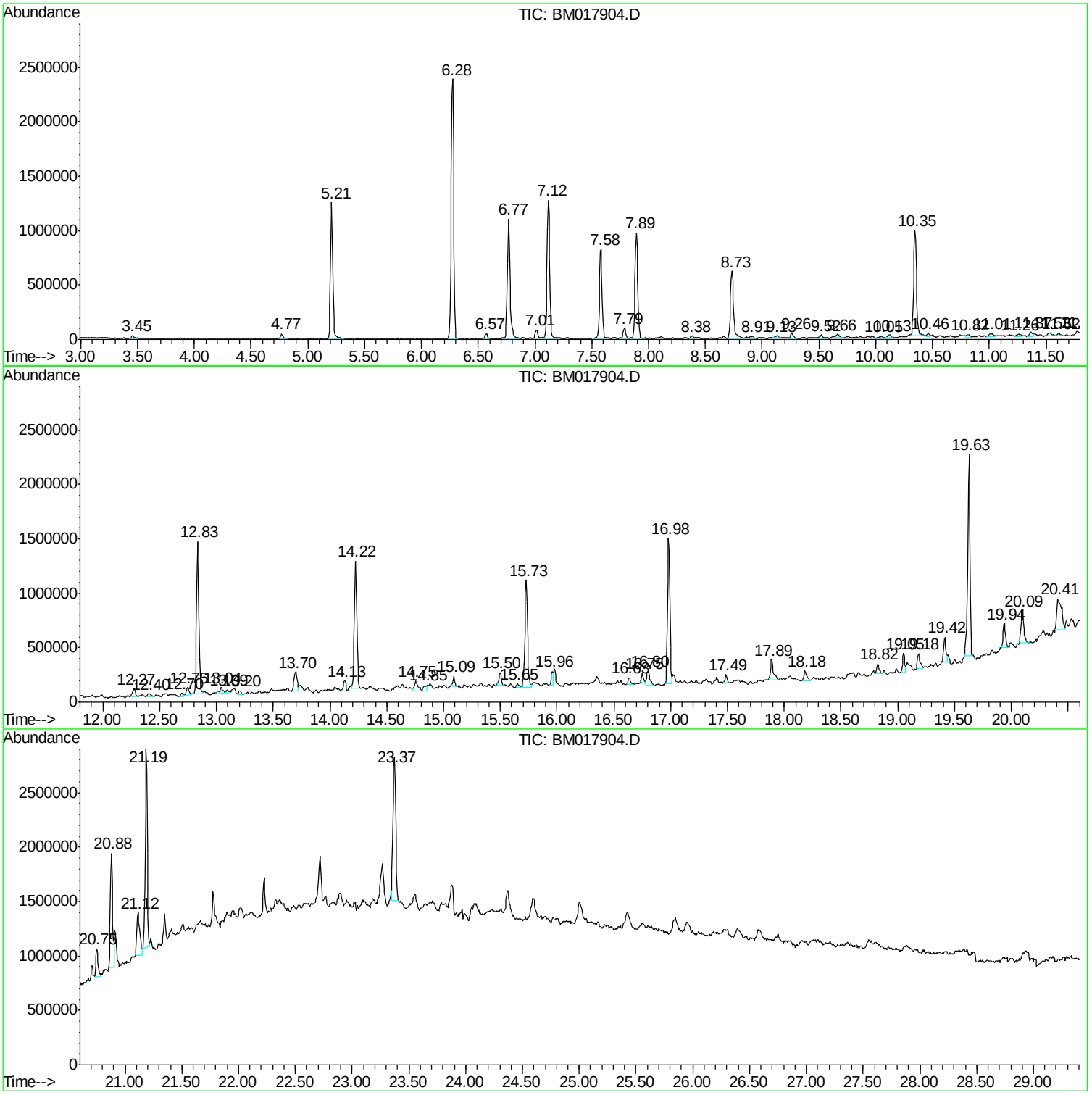
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

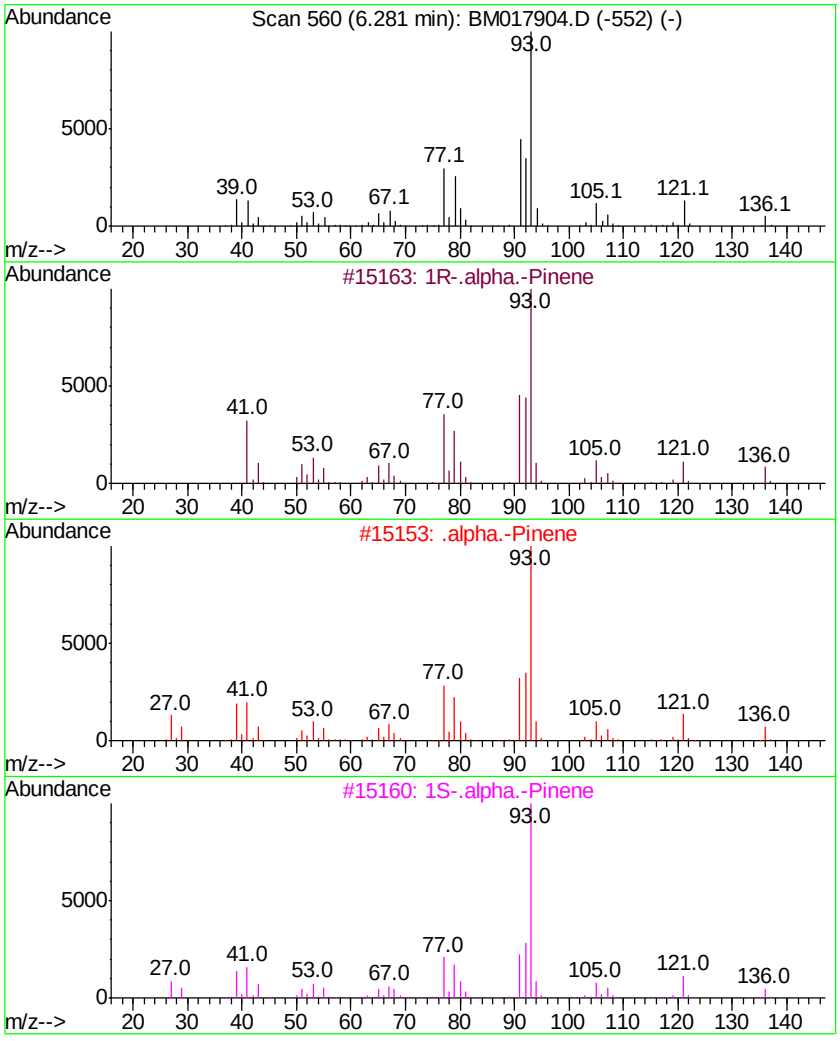
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

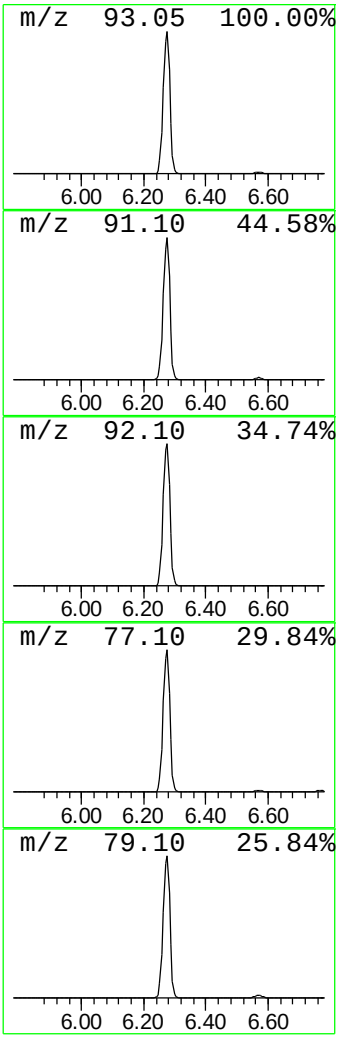
****

Peak Number 1 1R-.alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	52.36 ng	3537130	1,4-Dichlorobenzene-d4	7.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	1S-.alpha.-Pinene	136	C10H16	007785-26-4	93
4	Bicyclo[4.1.0]hept-3-ene, 3,7,7-...	136	C10H16	000498-15-7	91
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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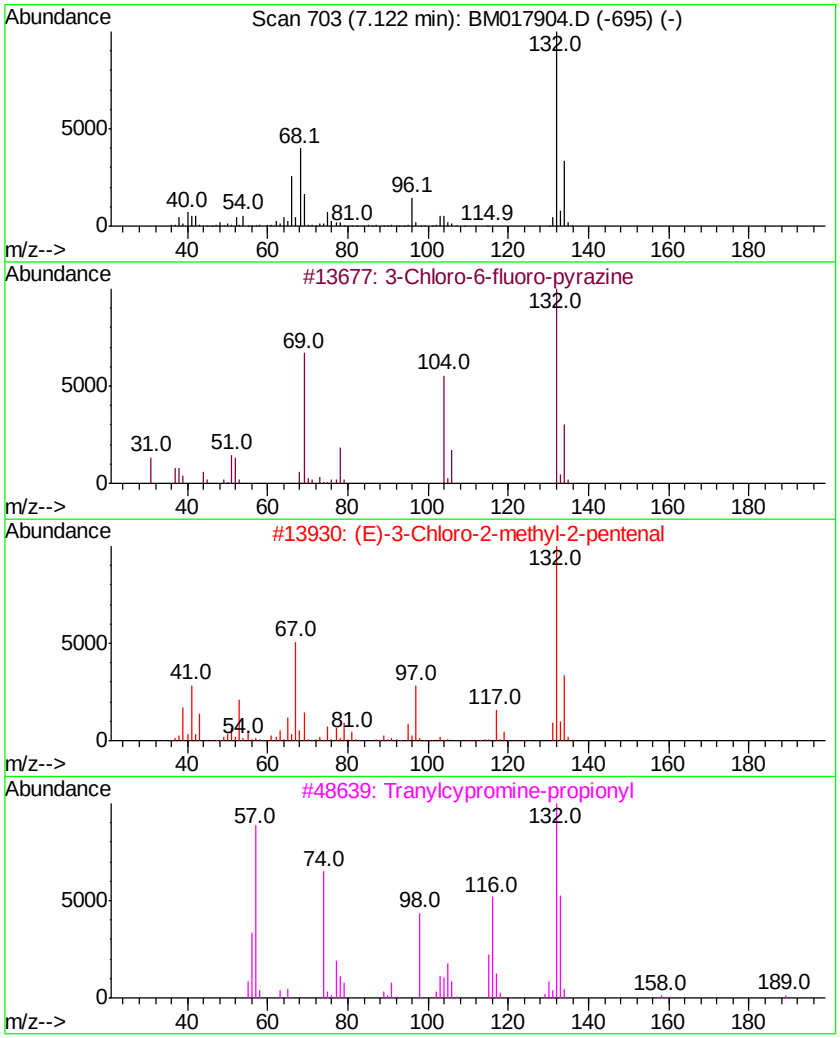
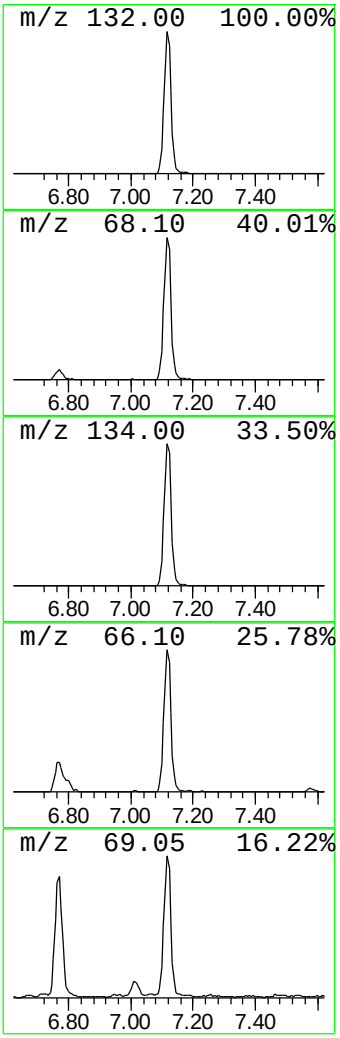
Peak Number 2 unknown7.12 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	29.54 ng	1995650	1,4-Dichlorobenzene-d4	7.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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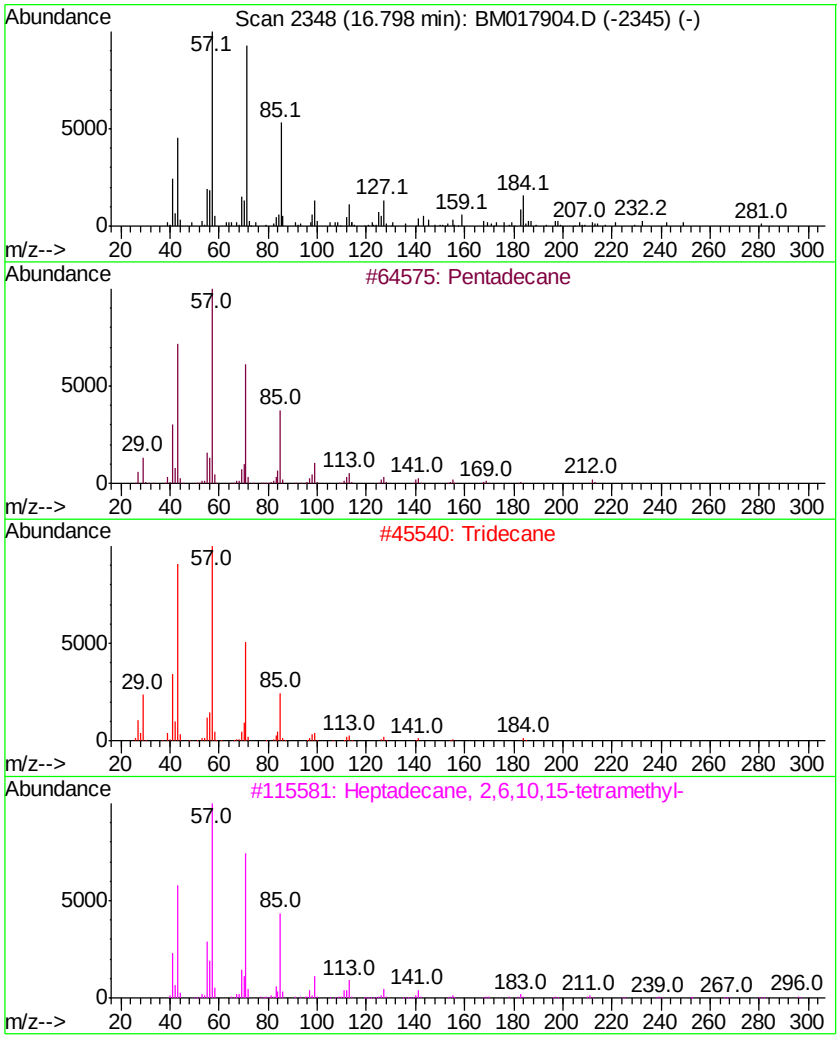
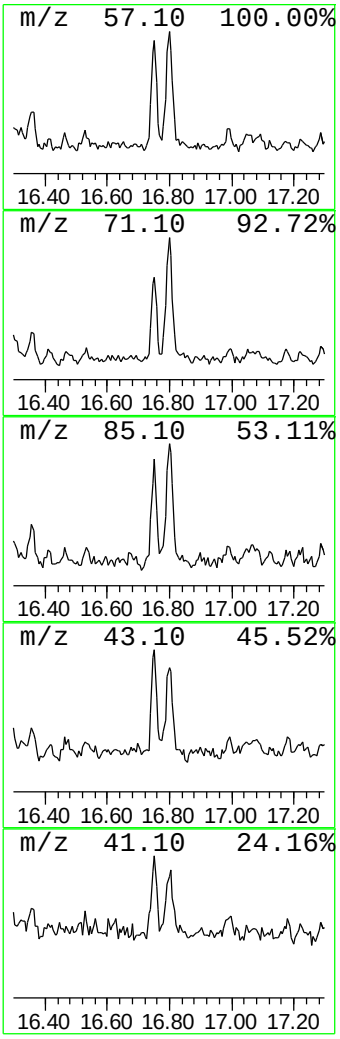
Peak Number 4 Pentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.57 ng	250649	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	92
2	Tridecane	184	C13H28	000629-50-5	90
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Heptacosane	380	C27H56	000593-49-7	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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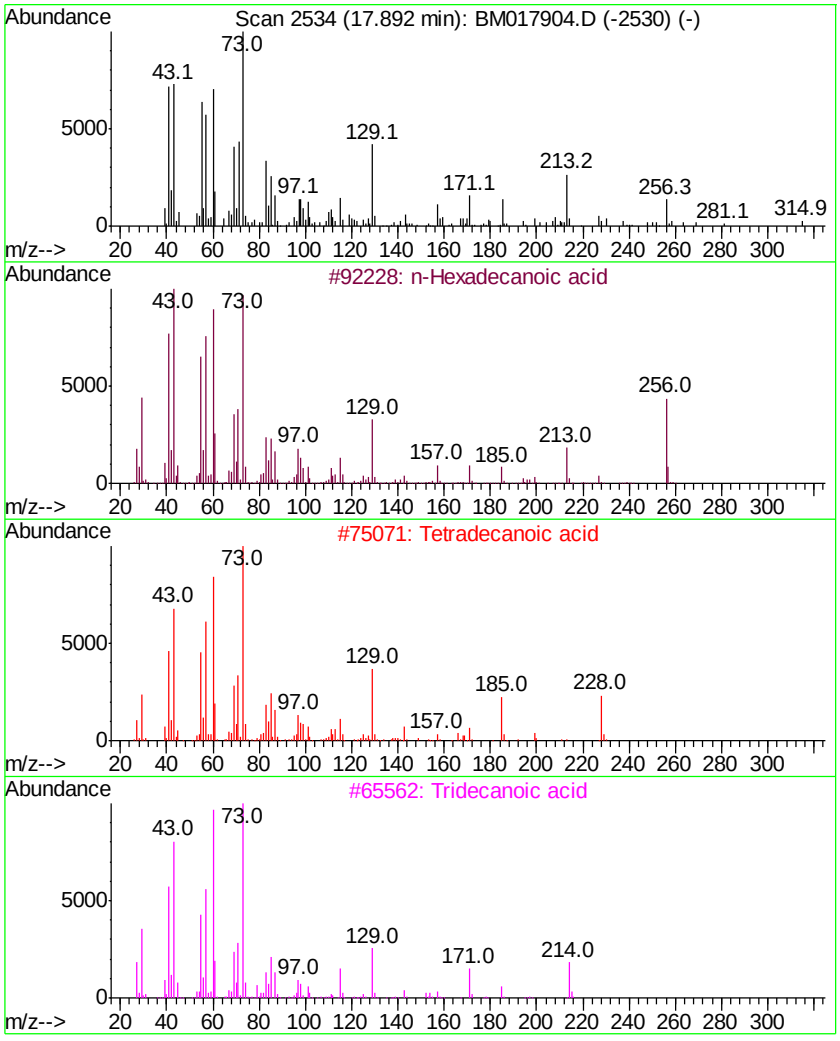
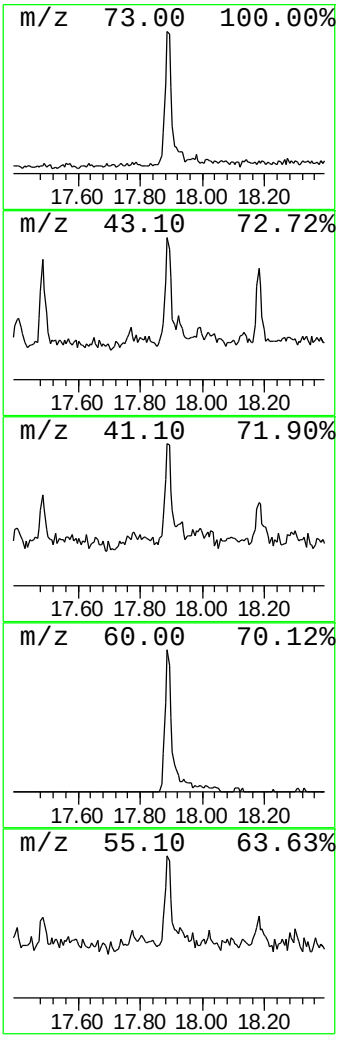
Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.45 ng	336262	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Dodecane	170	C12H26	000112-40-3	53
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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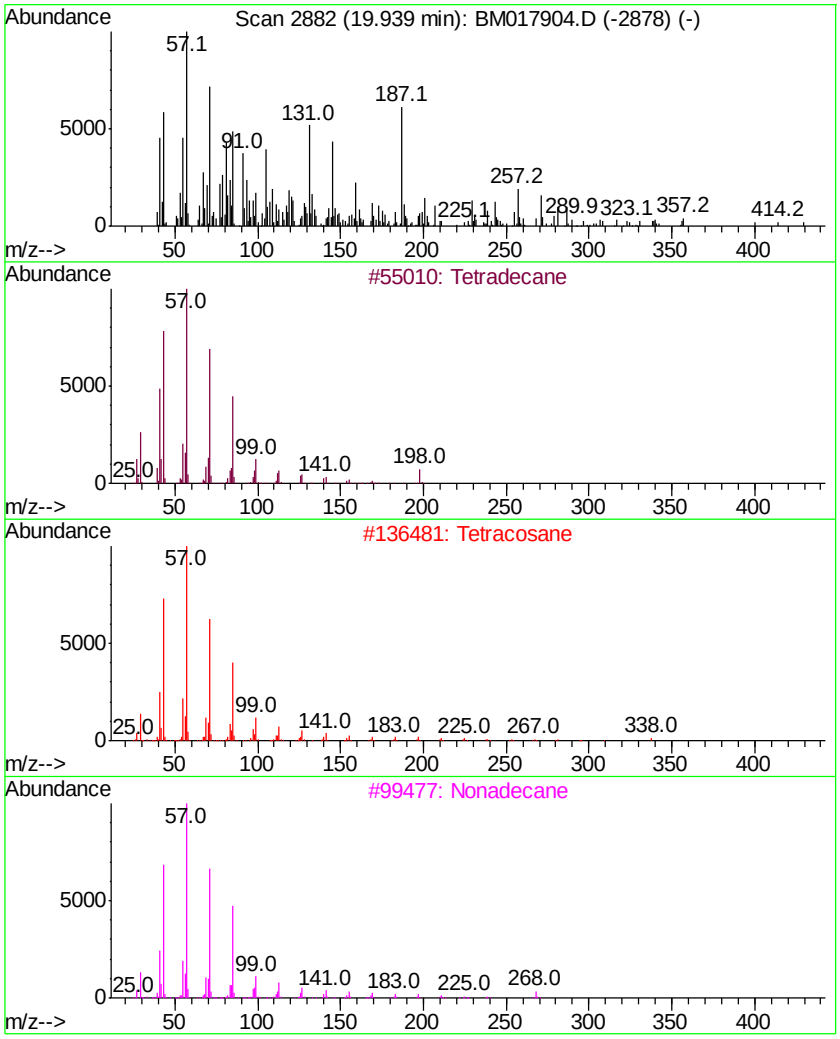
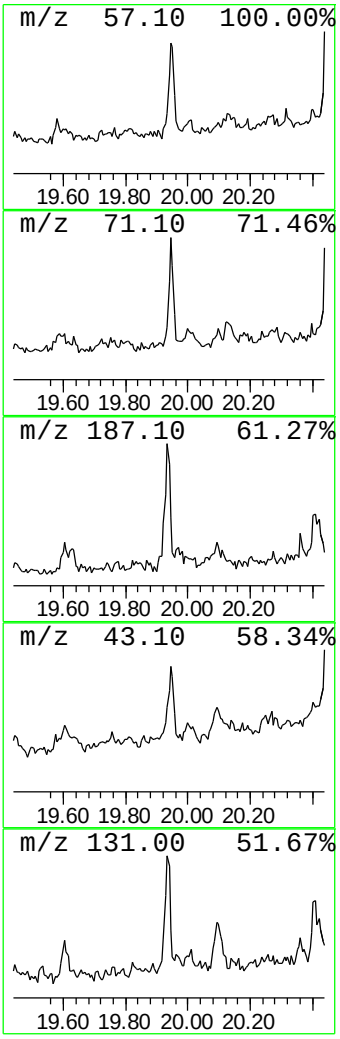
Peak Number 8 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.77 ng	325763	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	50
2	Tetracosane	338	C24H50	000646-31-1	47
3	Nonadecane	268	C19H40	000629-92-5	47
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	25
5	1-Ethyl-3-methyl-1H-pyrazole-4-c...	340	C19H24N4O2	1000295-29-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

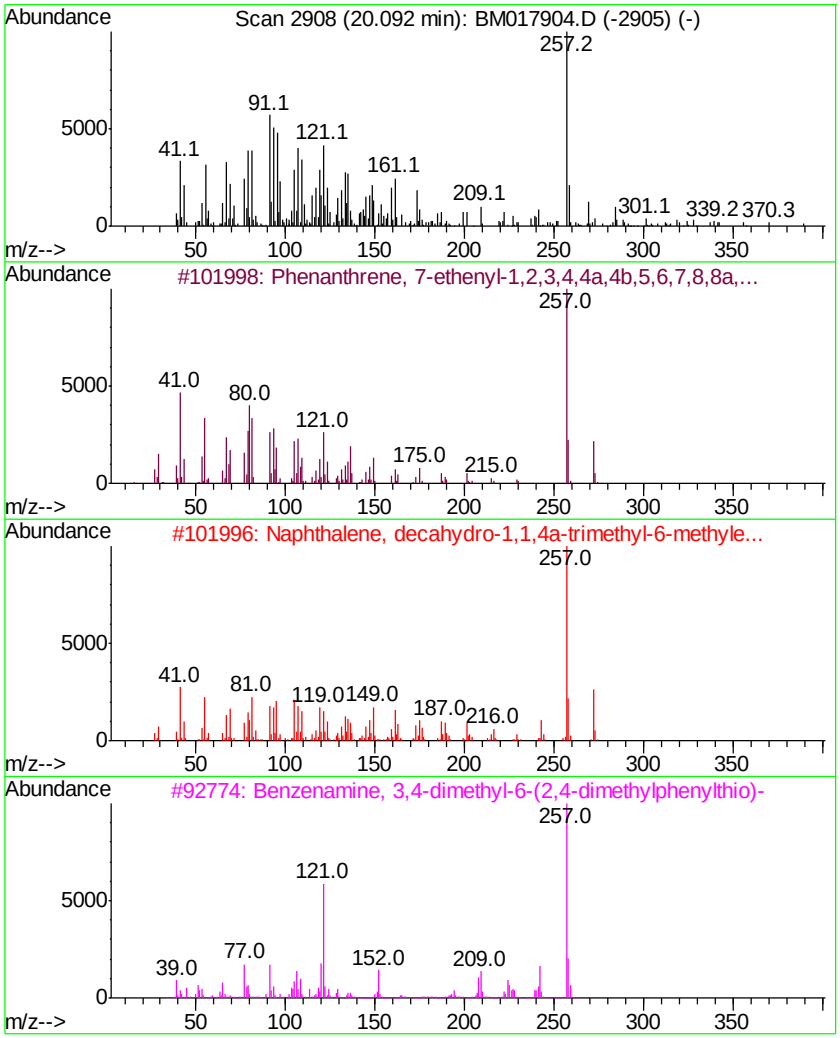
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

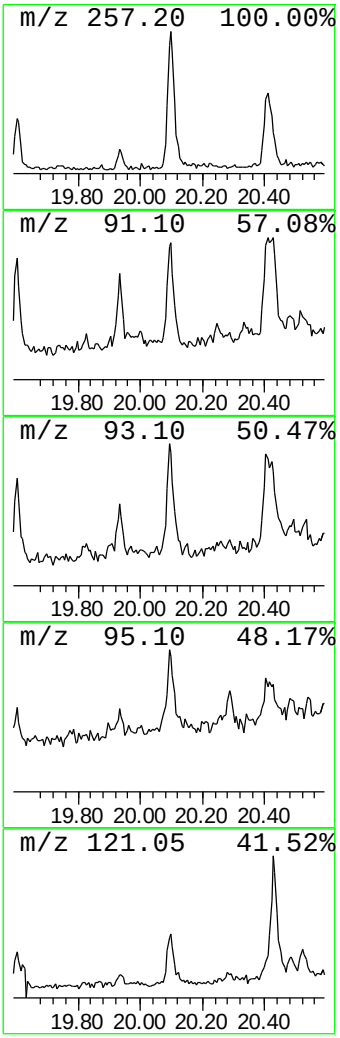
****

Peak Number 9 unknown20.09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	4.16 ng	490231	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-67-5	37
2	Naphthalene, decahydro-1,1,4a-tr...	272	C20H32	000511-02-4	32
3	Benzenamine, 3,4-dimethyl-6-(2,4...	257	C16H19NS	1000266-21-4	30
4	Bicyclo[9.3.1]pentadeca-3,7-dien...	290	C20H34O	070000-19-0	30
5	Benz[c]acridine, 7,8-dimethyl-	257	C19H15N	003518-01-2	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

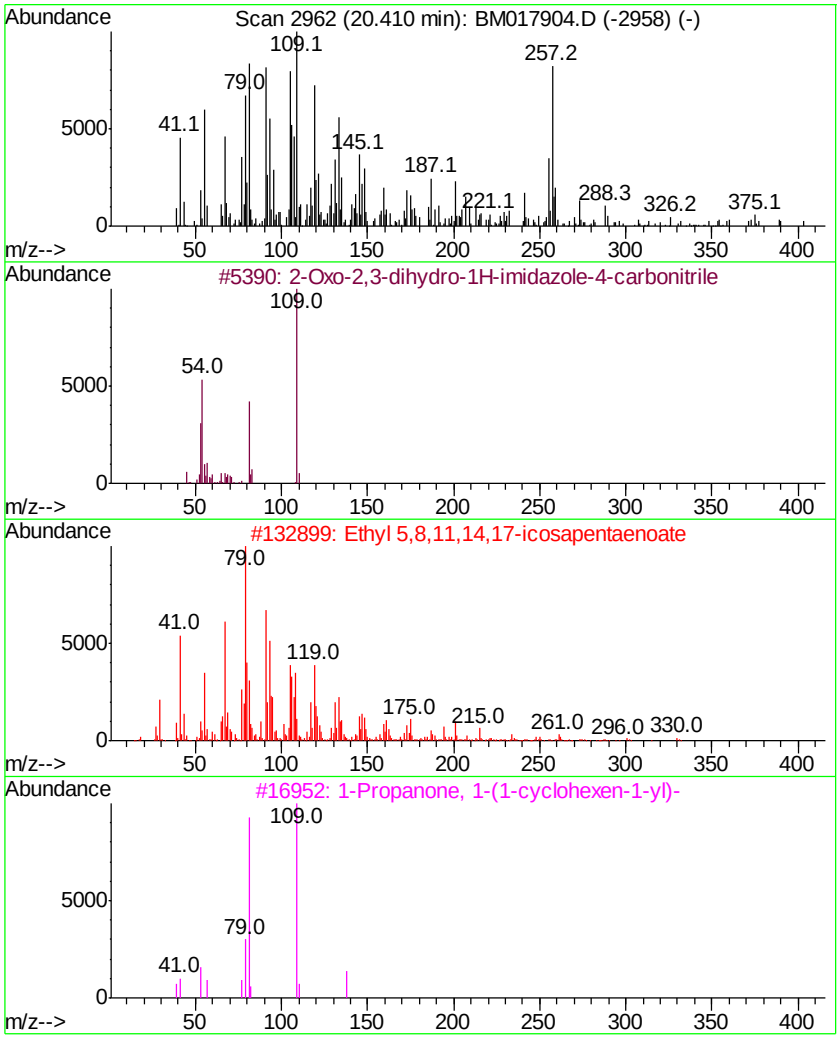
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

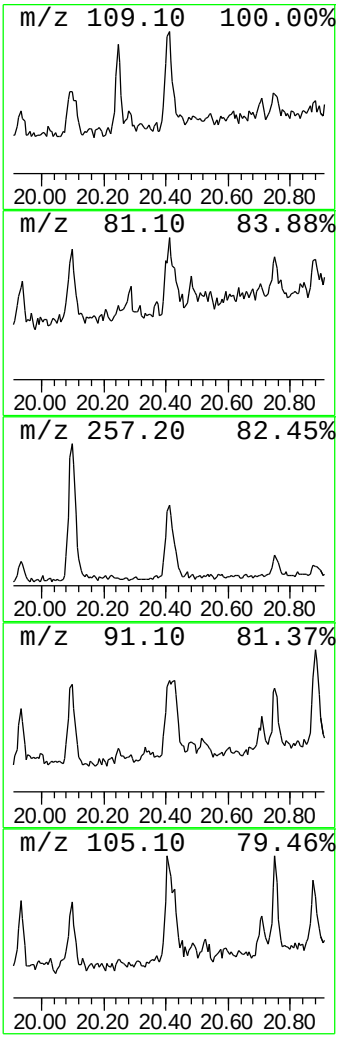
****

Peak Number 10 unknown20.41 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.41	7.34 ng	864167	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxo-2,3-dihydro-1H-imidazole-4...	109	C4H3N3O	1000294-08-6	25
2	Ethyl 5,8,11,14,17-icosapentaenoate	330	C22H34O2	084494-70-2	25
3	1-Propanone, 1-(1-cyclohexen-1-yl)-	138	C9H14O	001655-03-4	22
4	4-(4-Chloro-3-trifluoromethyl)py...	257	C12H7ClF3N	1000280-83-9	15
5	Pyrrole, 2-phenyl-4-phenylethynyl-	257	C19H15N	066463-26-1	15





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Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

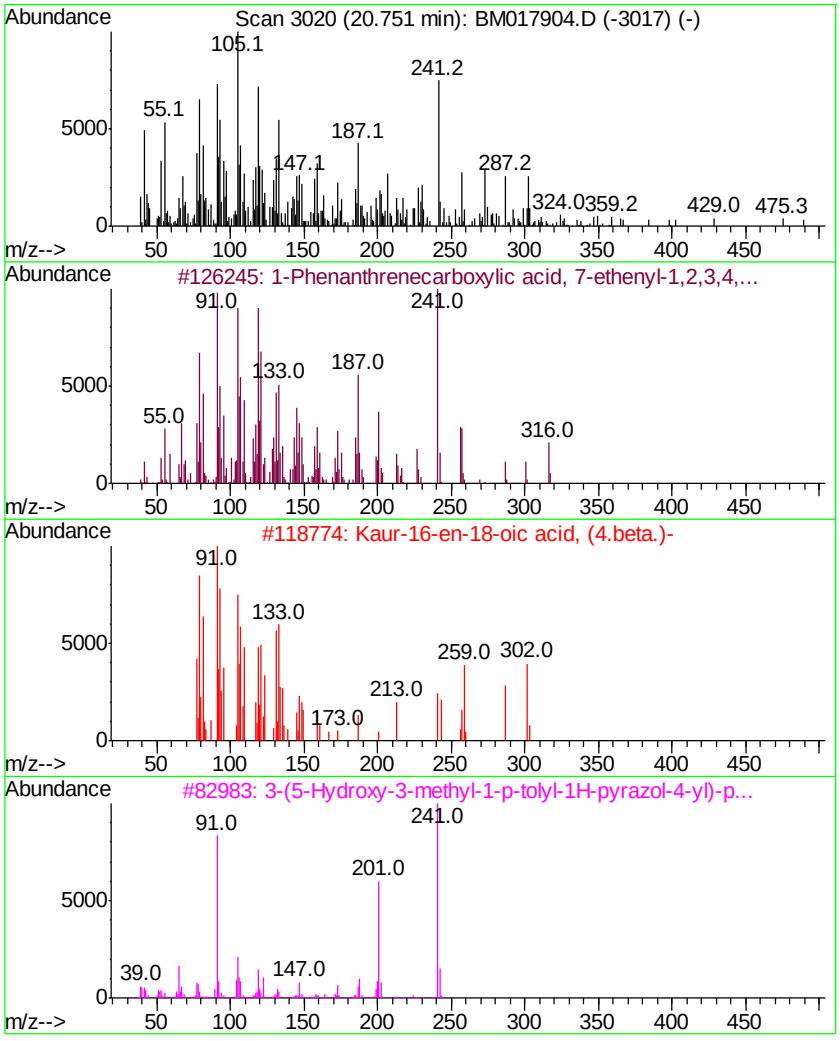
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

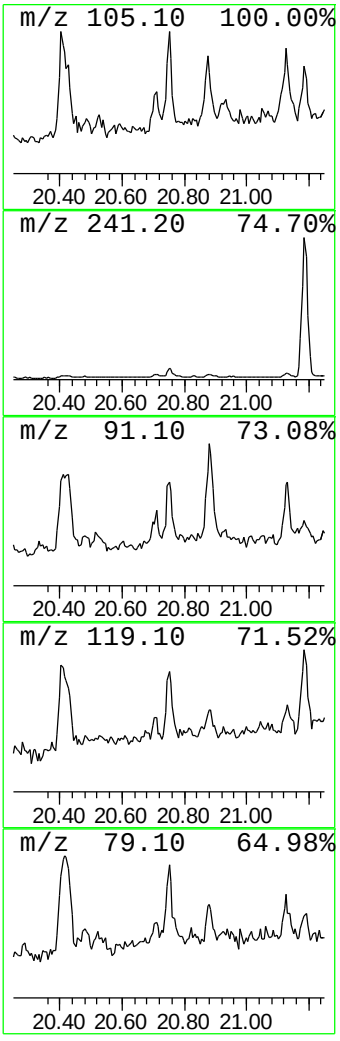
****

Peak Number 11 unknown20.75 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.95 ng	347024	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	43
2	Kaur-16-en-18-oic acid, (4.beta.)-	302	C20H30O2	020316-84-1	30
3	3-(5-Hydroxy-3-methyl-1-p-tolyl-...	241	C14H15N3O	1000275-84-3	20
4	8-Trifluoromethylcinchoninic acid	241	C11H6F3NO2	031009-01-5	15
5	Dihydronormorphine, 3,6-dideoxy-	241	C16H19NO	1000129-30-2	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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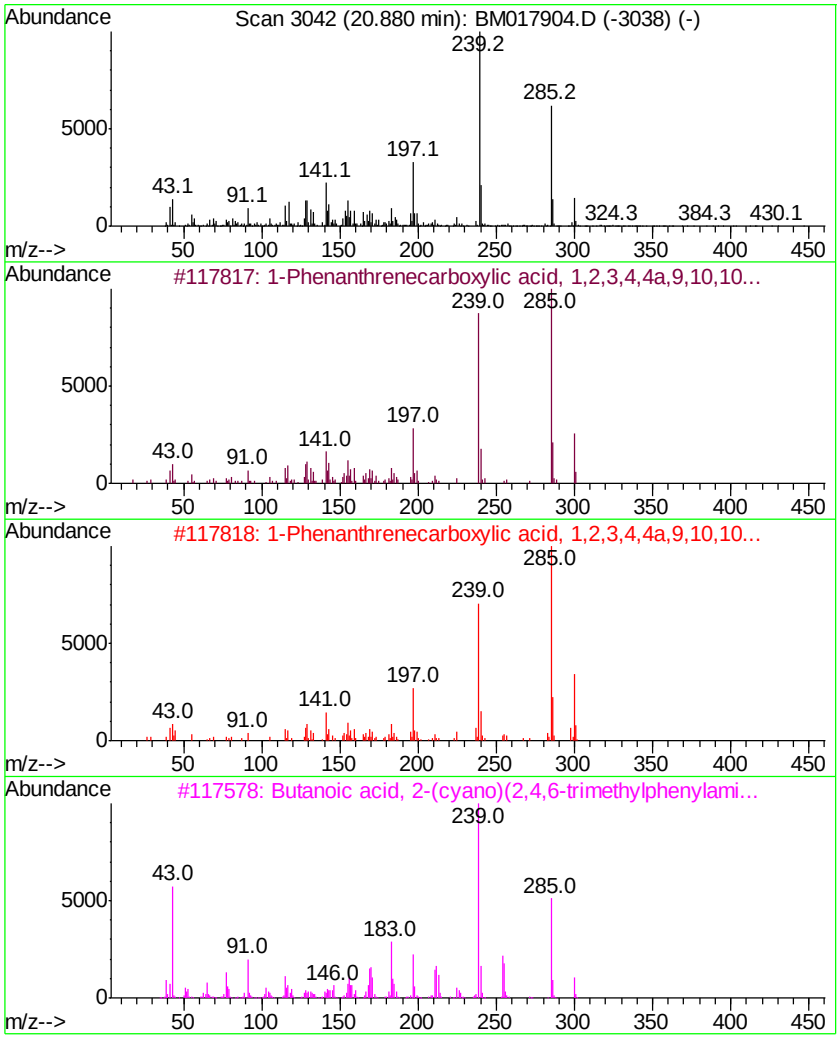
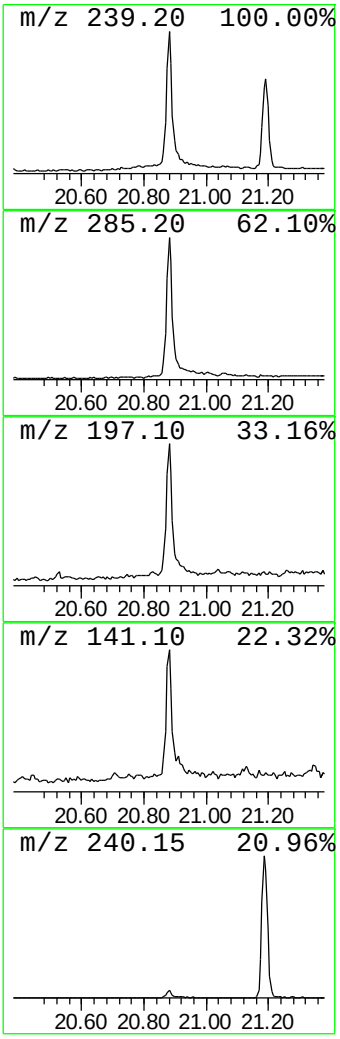
Peak Number 12 1-Phenanthrenecarboxylic ac... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	11.94 ng	1406190	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	98
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	81
4	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	52
5	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120518\
Data File : BM017904.D
Acq On : 04 Dec 2018 16:09
Operator : JU/SJ
Sample : J6074-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 002-WC-NY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
1R-.alpha.-Pinene	6.28	52.4	ng	3537130	1	7.58	1350950	20.0
unknown7.12	7.12	29.5	ng	1995650	1	7.58	1350950	20.0
Pentadecane	16.80	2.6	ng	250649	4	16.98	1947400	20.0
n-Hexadecanoic acid	17.89	3.5	ng	336262	4	16.98	1947400	20.0
Tetradecane	19.94	2.8	ng	325763	5	21.19	2354550	20.0
unknown20.09	20.09	4.2	ng	490231	5	21.19	2354550	20.0
unknown20.41	20.41	7.3	ng	864167	5	21.19	2354550	20.0
unknown20.75	20.75	3.0	ng	347024	5	21.19	2354550	20.0
1-Phenanthrenecar...	20.88	11.9	ng	1406190	5	21.19	2354550	20.0