LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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-BM011018.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	9.751	1144	1150	1160	rBV2	1450546	2684002	1.22%	0.185%
2	9.986	1184	1190	1197	rBV2	2306309	3960326	1.80%	0.274%
3	10.328	1240	1248	1252	rBV	1794249	3342490	1.52%	0.231%
4	10.445	1255	1268	1272	rVV2	55168904	134836290	61.24%	9.314%
5	10.528	1275	1282	1288	rVB	2330280	4455974	2.02%	0.308%
6	11.186	1387	1394	1402	rBV	1677044	3046372	1.38%	0.210%
7	11.792	1485	1497	1502	rBV	3246228	4955045	2.25%	0.342%
8	12.057	1529	1542	1546	rBV3	52494425	103546133	47.03%	7.153%
9	12.269	1565	1578	1584	rBV	27090715	44317036	20.13%	3.061%
10	13.063	1705	1713	1719	rBV2	19154358	29420366	13.36%	2.032%
11	13.257	1740	1746	1756	rVB	4867380	8707886	3.96%	0.602%
12	13.392	1762	1769	1770	rBV	5571846	7932386	3.60%	0.548%
13	13.557	1789	1797	1801	rBV	7832124	14652242	6.65%	1.012%
14	13.610	1801	1806	1812	rVV	5509806	8165691	3.71%	0.564%
15	13.716	1818	1824	1829	rVV2	2134462	3395975	1.54%	0.235%
16	13.786	1829	1836	1840	rVV2	3125779	5484897	2.49%	0.379%
17	13.921	1854	1859	1862	rBV	1805982	2744212	1.25%	0.190%
18	13.957	1862	1865	1870	rVB	2034274	2682773	1.22%	0.185%
19	14.145	1891	1897	1902	rBV	7425671	9112973	4.14%	0.630%
20	14.233	1902	1912	1918	rBV	21979169	30894859	14.03%	2.134%
21	14.321	1918	1927	1933	rVB	45565798	78023825	35.44%	5.390%
22	14.386	1933	1938	1943	rVB	2810129	4073196	1.85%	0.281%
23	14.551	1959	1966	1970	rBV2	1660481	2937496	1.33%	0.203%
24	14.604	1970	1975	1977	rVV2	1609636	2904028	1.32%	0.201%
25	14.663	1977	1985	1990	rVV2	37050255	67044657	30.45%	4.631%
26	14.715	1990	1994	1998	rVV	1631072	2358833	1.07%	0.163%
27	14.763	1998	2002	2011	rVB6	1594758	3168550	1.44%	0.219%
28	14.857	2011	2018	2024	rBV4	1747135	3940419	1.79%	0.272%
29	15.027	2040	2047	2050	rBV3	1105626	2374313	1.08%	0.164%
30	15.104	2055	2060	2064	rVB	7808783	9979199	4.53%	0.689%
31	15.233	2077	2082	2087	rVV2	2105416	3806932	1.73%	0.263%
32	15.310	2087	2095	2101	rVV	34657967	55133622	25.04%	3.809%
33	15.415	2110	2113	2116	rVV2	2844647	4227755	1.92%	0.292%
34	15.457	2116	2120	2124	rVV	4882184	6912813	3.14%	0.478%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

35	15.504	2124	2128	2131	rVV	2986389	4435431	2.01%	0.306%
36	15.545	2131	2135	2138	rVV	2837247	4074848	1.85%	0.281%
37	15.592	2138	2143	2150	rVB	7065222	10841924	4.92%	0.749%
38	15.710	2157	2163	2166	rBV	17333159	23783365	10.80%	1.643%
39	15.739	2166	2168	2174	rVV	6971866	11091138	5.04%	0.766%
40	15.968	2201	2207	2214	rBV	8468612	16987140	7.72%	1.173%
41	16.033	2214	2218	2223	rVB	8957680	11168910	5.07%	0.772%
42	16.298	2252	2263	2268	rBV3	3198519	7187254	3.26%	0.496%
43	16.668	2319	2326	2332	rVB3	6279178	11039877	5.01%	0.763%
44	16.762	2332	2342	2345	rVV2	7493958	14588150	6.63%	1.008%
45	16.815	2345	2351	2361	rVB	10497241	17206666	7.82%	1.189%
46	16.909	2361	2367	2371	rBV	2731704	3696083	1.68%	0.255%
47	17.086	2378	2397	2400	rBV2	86377139	220170525	100.00%	15.209%
48	17.115	2400	2402	2404	rVV2	4854791	5820169	2.64%	0.402%
49	17.151	2404	2408	2412	rVV	20946661	25554531	11.61%	1.765%
50	17.215	2415	2419	2425	rVB	3618239	5432060	2.47%	0.375%
51	17.409	2446	2452	2462	rVB	8200913	13305312	6.04%	0.919%
52	17.498	2462	2467	2477	rVV3	5471973	10229570	4.65%	0.707%
53	17.580	2477	2481	2488	rVB5	1240149	2551796	1.16%	0.176%
54	17.868	2525	2530	2534	rVV	7545390	10942516	4.97%	0.756%
55	17.921	2534	2539	2544	rVB	11189754	16185597	7.35%	1.118%
56	18.003	2545	2553	2558	rBV	3230451	5650059	2.57%	0.390%
57	18.074	2558	2565	2568	rBV2	13265108	22244374	10.10%	1.537%
58	18.103	2568	2570	2579	rVB	3631655	3893008	1.77%	0.269%
59	18.186	2579	2584	2588	rBV	4086044	5391990	2.45%	0.372%
60	18.374	2611	2616	2621	rVB	6877305	8626390	3.92%	0.596%
61	18.792	2681	2687	2690	rBV	1753125	3143945	1.43%	0.217%
62	18.833	2690	2694	2697	rVV	3145065	3405257	1.55%	0.235%
63	19.092	2727	2738	2742	rBV2	54773083	105290398	47.82%	7.273%
64	19.450	2786	2799	2803	rBV4	40916271	90197971	40.97%	6.231%
65	19.497	2803	2807	2814	rVB2	2039404	2995611	1.36%	0.207%
66	19.609	2821	2826	2832	rVV	2581402	3607837	1.64%	0.249%
67	19.745	2845	2849	2851	rBV2	1653084	2613952	1.19%	0.181%
68	19.927	2876	2880	2890	rVB2	6104725	9866468	4.48%	0.682%
69	20.027	2892	2897	2901	rBV	5733352	7187712	3.26%	0.497%
70	20.080	2901	2906	2910	rVV2	2108646	3856040	1.75%	0.266%
71	20.874	3038	3041	3044	rVV	1987290	2313929	1.05%	0.160%

LSC Area Percent Report

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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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-BM011018.M
Title : SVOA CALIBRATION

72	20.915	3044	3048	3053	rVB2	2471084	3470272	1.58%	0.240%
73	21.186	3088	3094	3099	rBV2	10577587	17206083	7.81%	1.189%
74	21.233	3099	3102	3112	rVB	7819884	9547058	4.34%	0.660%
75	21.344	3117	3121	3127	rBV	2802078	3359480	1.53%	0.232%
76	22.733	3350	3357	3361	rBV	2479412	5681328	2.58%	0.392%
77	23.244	3439	3444	3448	rVV2	1733821	3238562	1.47%	0.224%
78	23.285	3448	3451	3457	rVB2	2090178	3297582	1.50%	0.228%

Sum of corrected areas: 1447601734

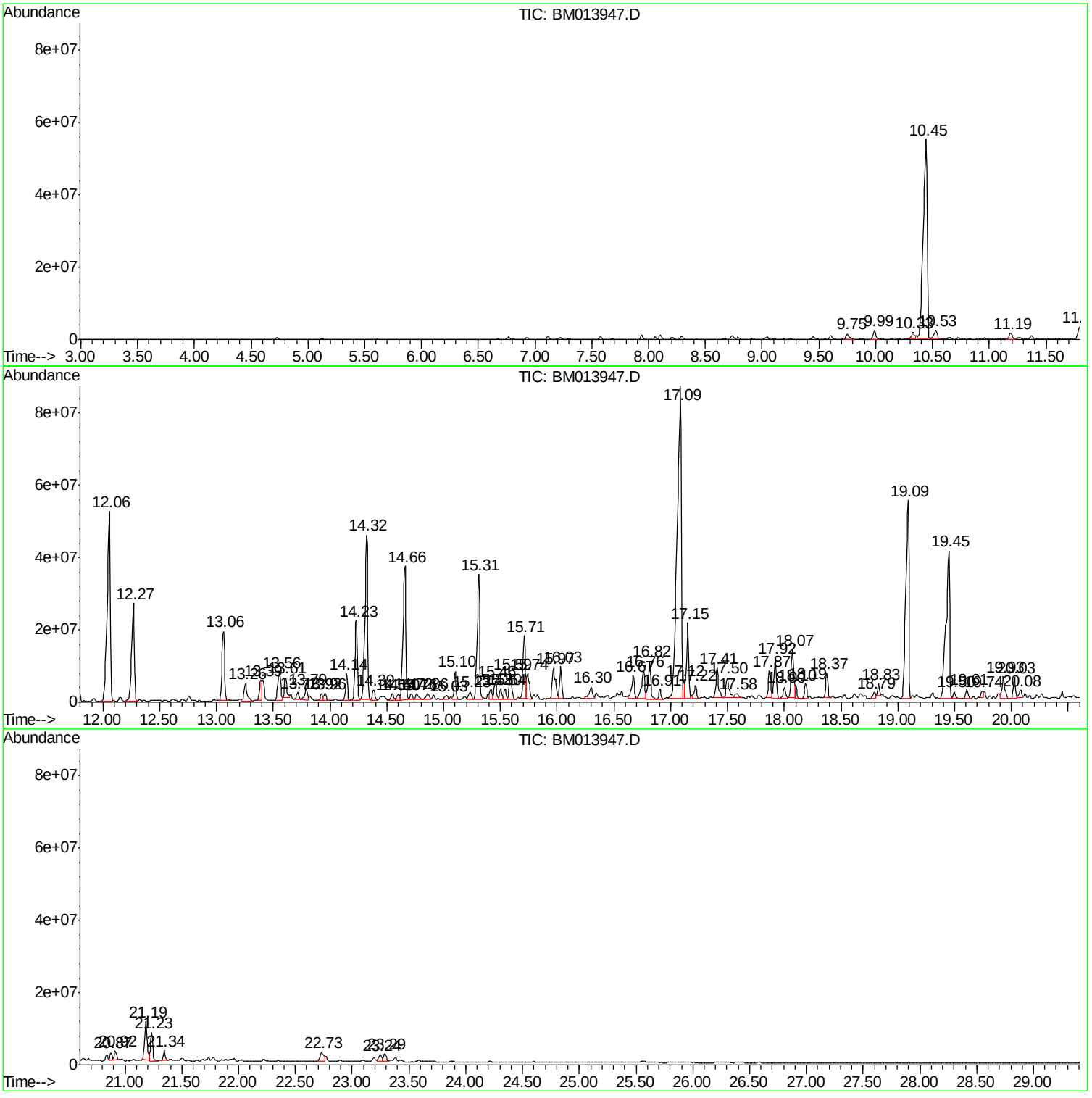
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

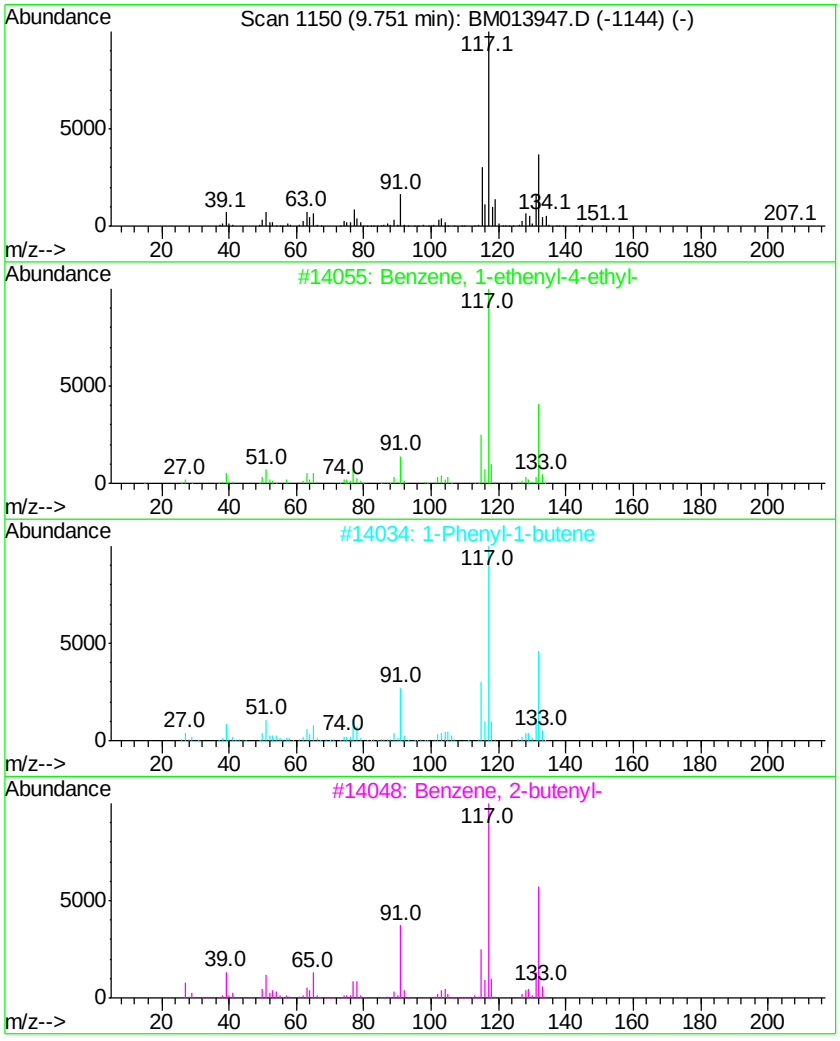
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

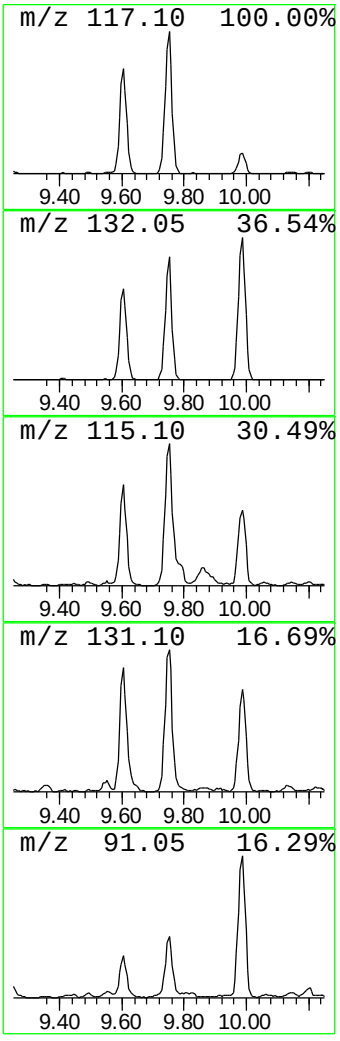
****

Peak Number 1 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	16.06 ng/ul	2684000	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

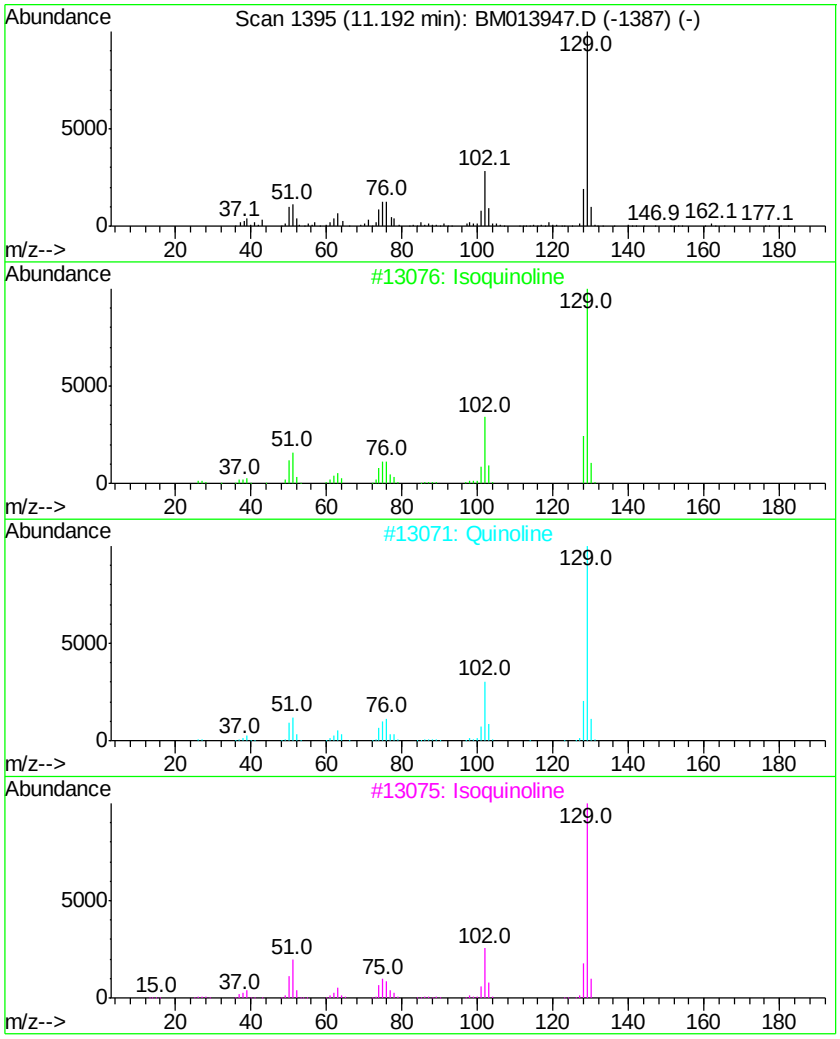
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

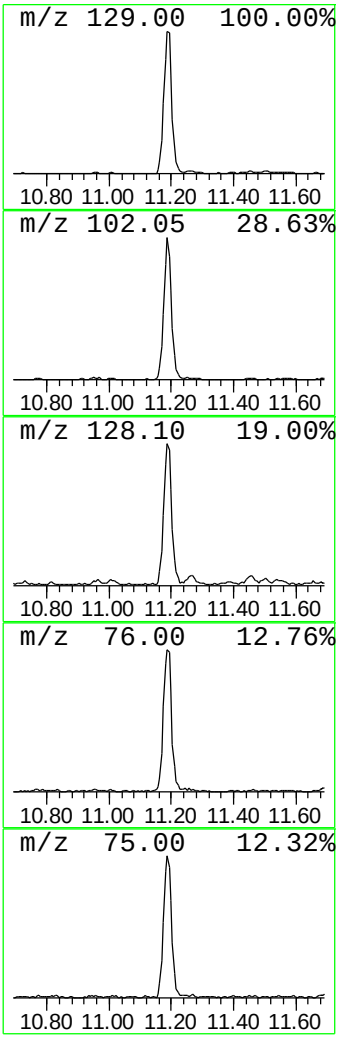
****

Peak Number 2 Isoquinoline Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	18.23 ng/ul	3046370	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Quinoline	129	C9H7N	000091-22-5	96
3	Isoquinoline	129	C9H7N	000119-65-3	95
4	Quinoline	129	C9H7N	000091-22-5	94
5	Isoquinoline	129	C9H7N	000119-65-3	90





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
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Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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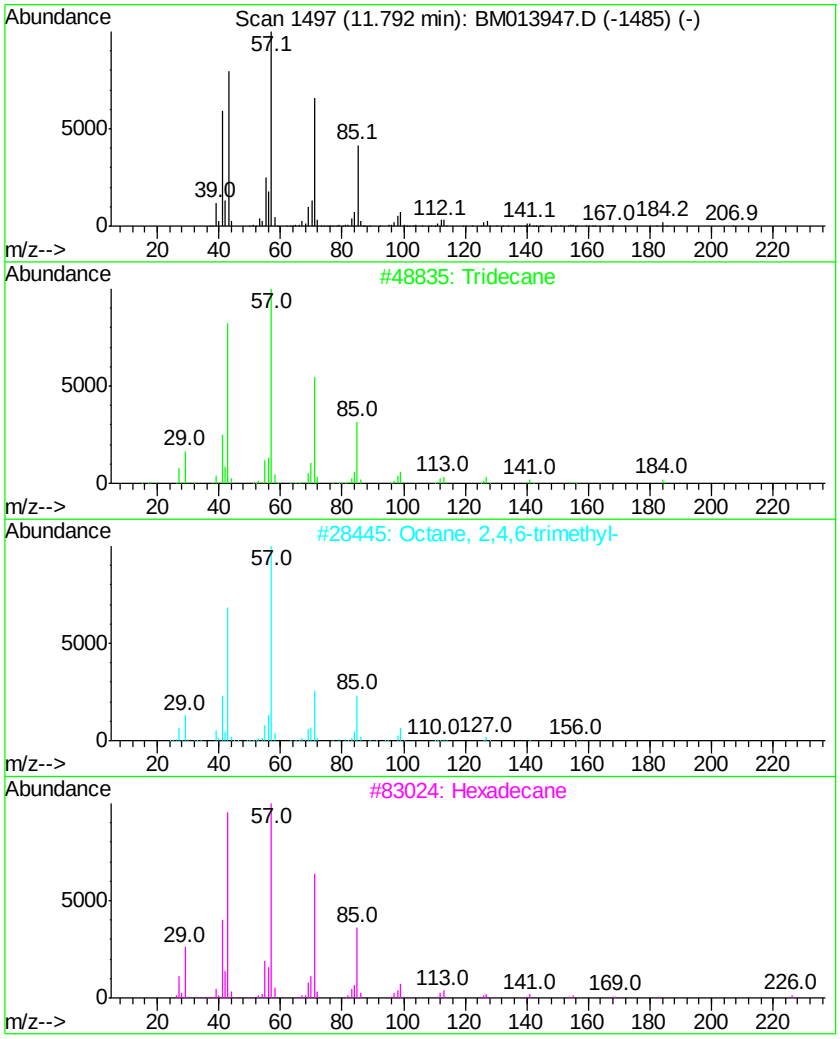
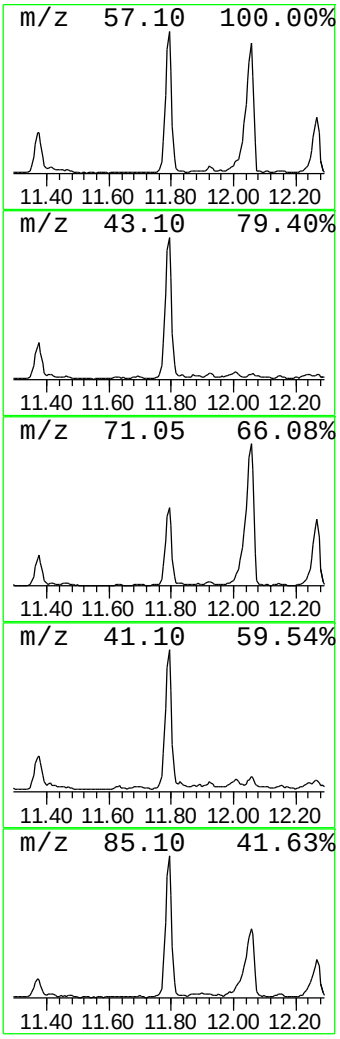
****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	29.65 ng/ul	4955050	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	Tetradecane	198	C14H30	000629-59-4	80
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	80





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
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Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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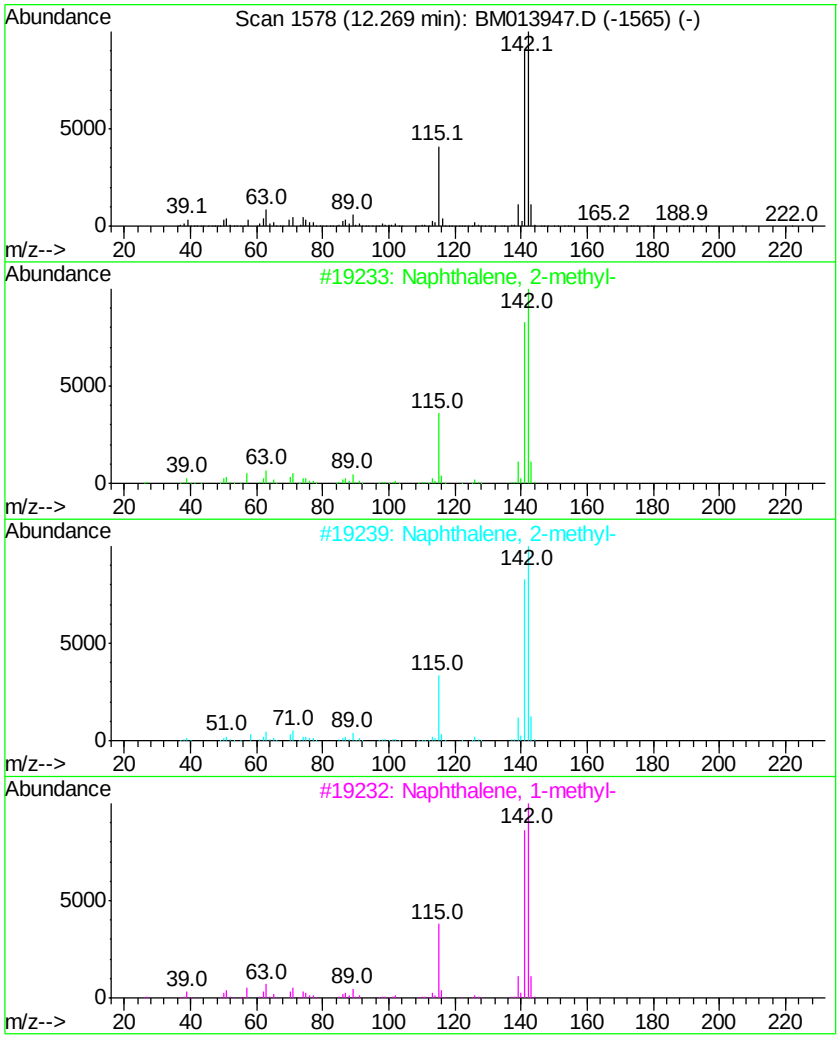
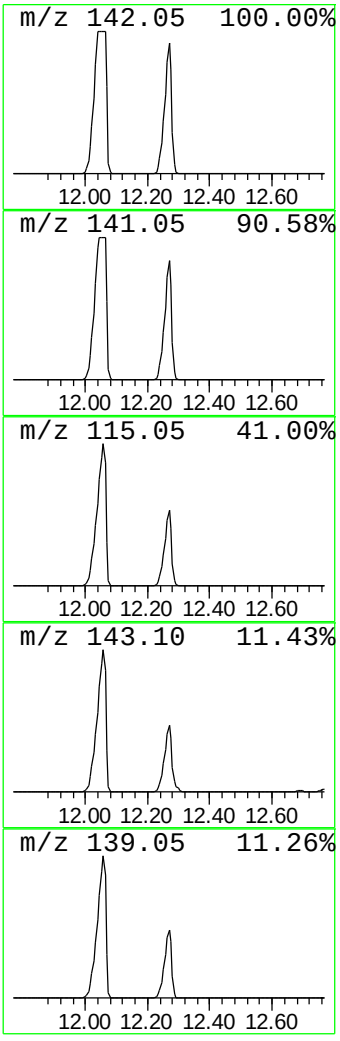
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	265.17 ng/ul	44317000	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

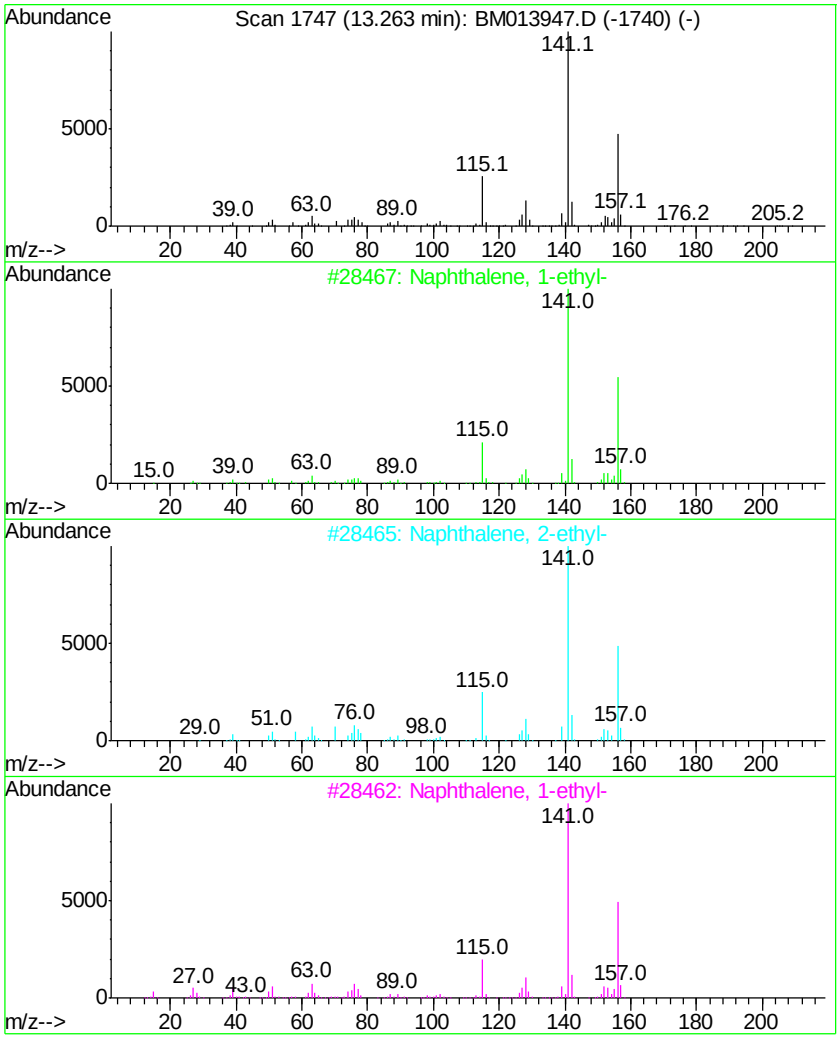
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

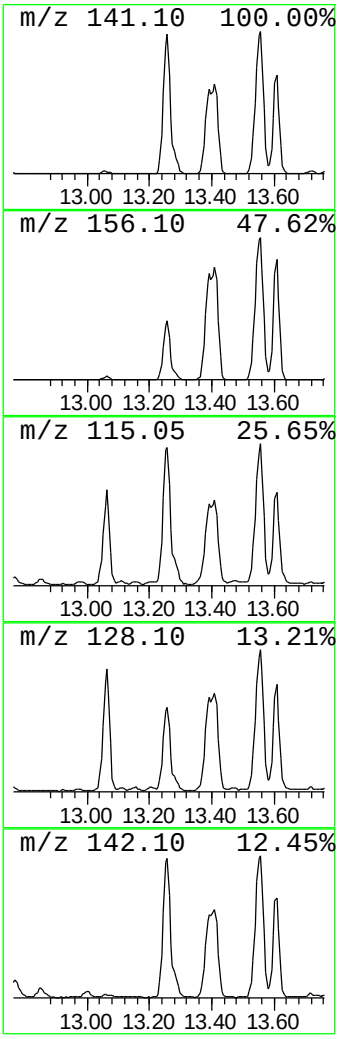
****

Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.64 ng/ul	8707890	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Data File : BM013947.D
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Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

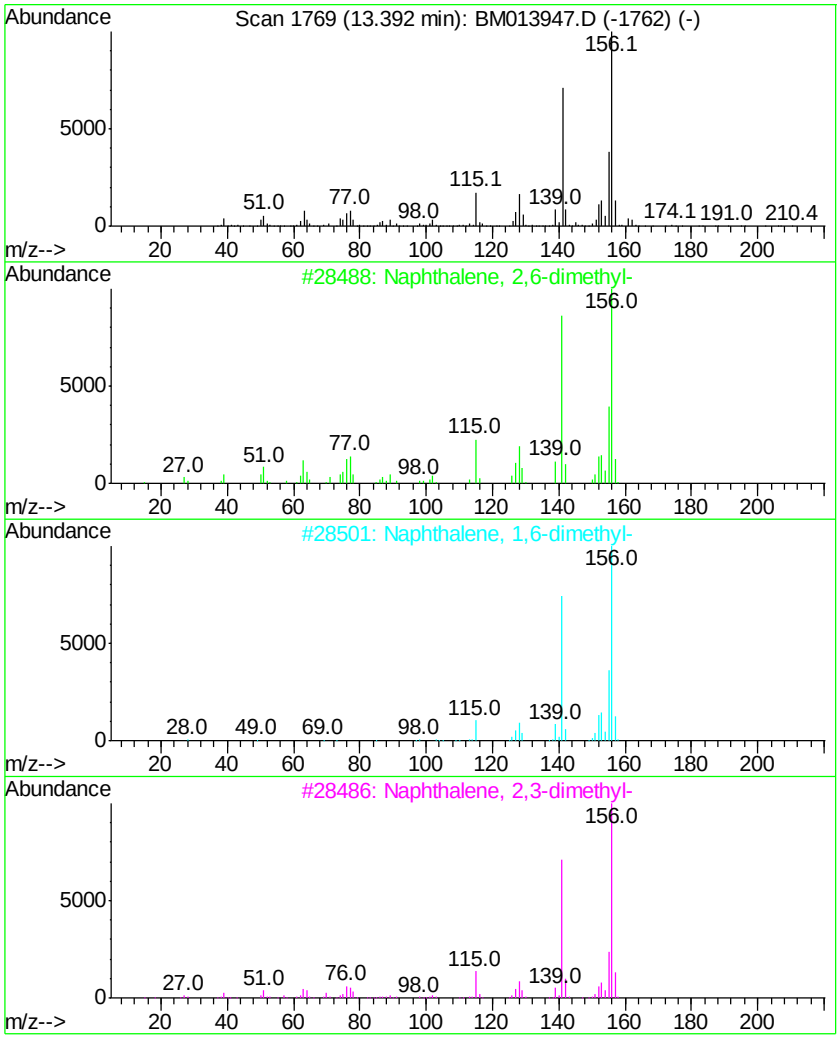
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

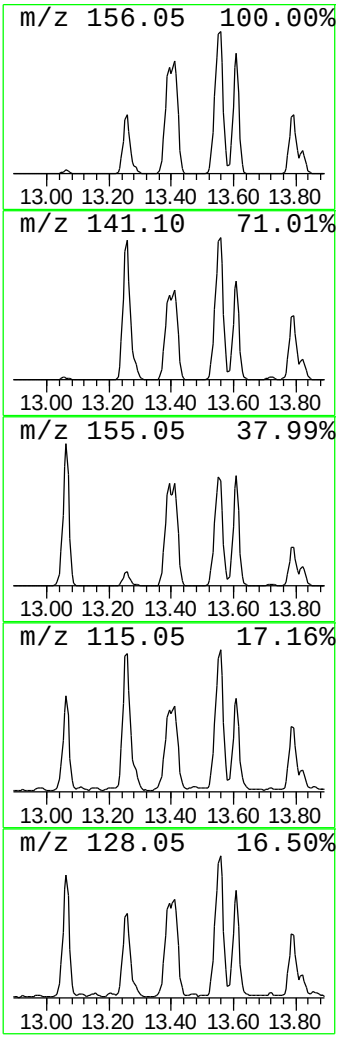
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	5.14 ng/ul	7932390	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

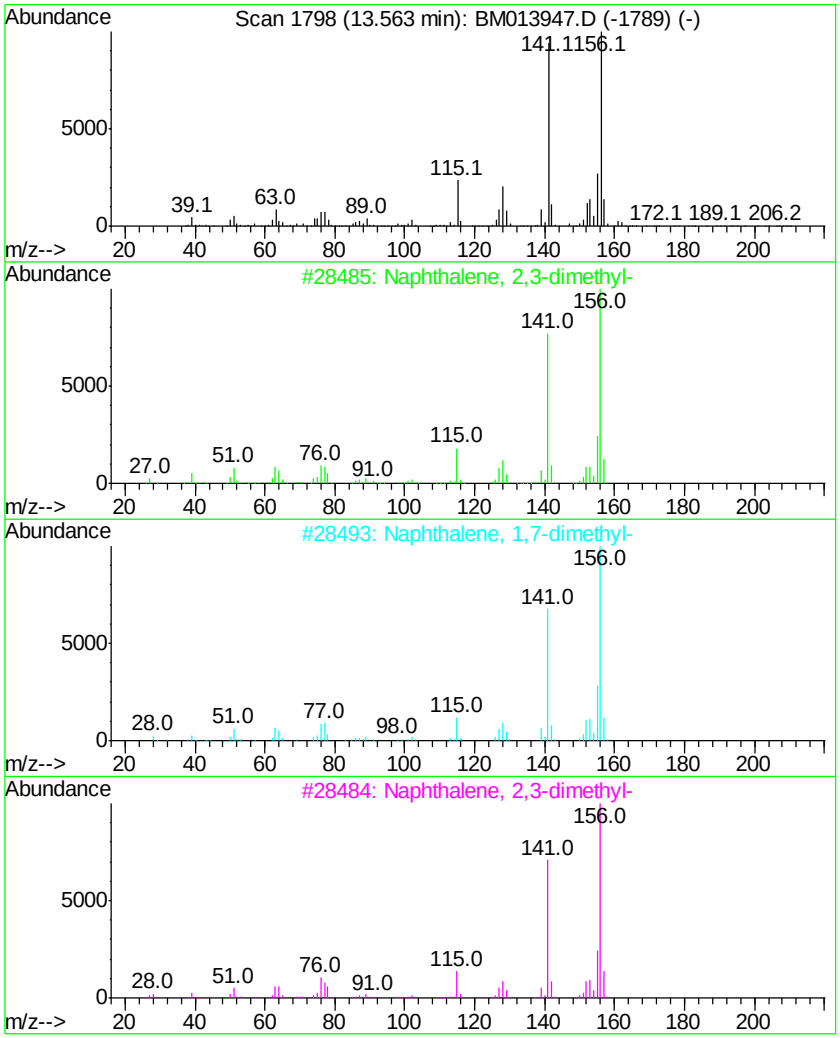
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

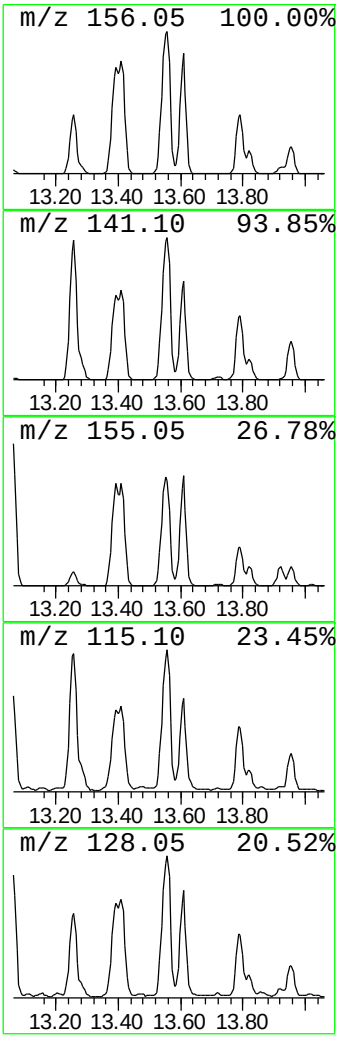
****

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	9.49 ng/ul	14652200	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

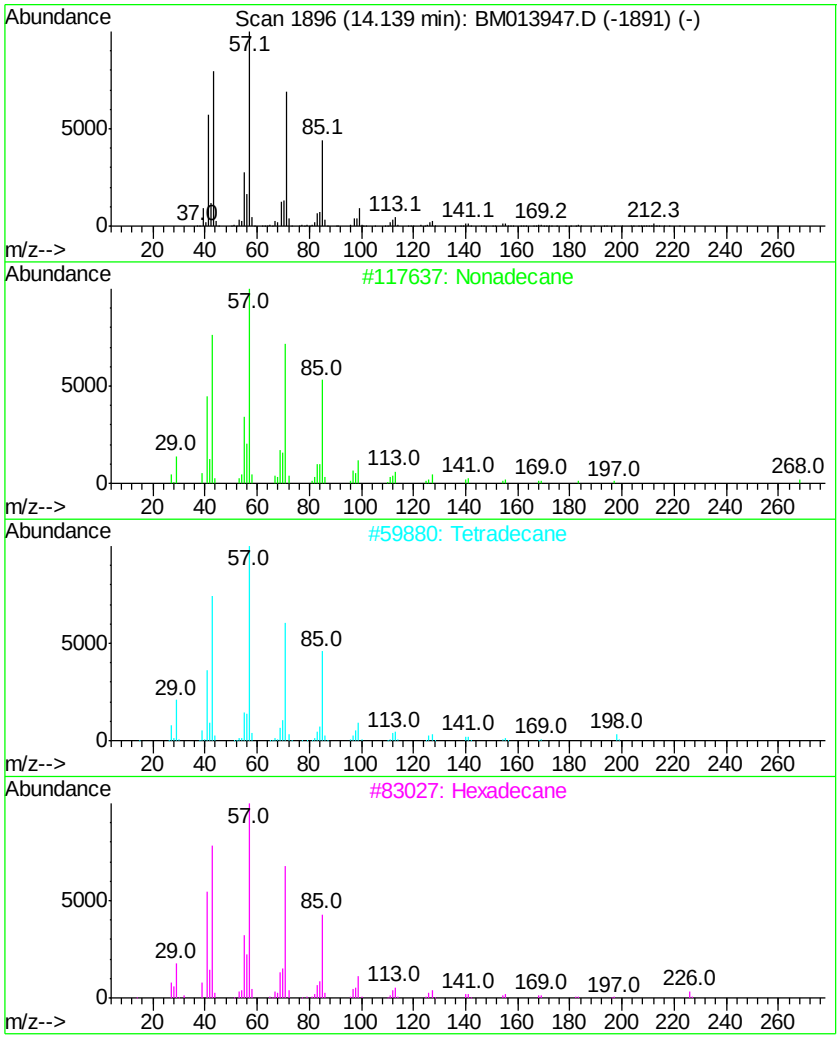
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

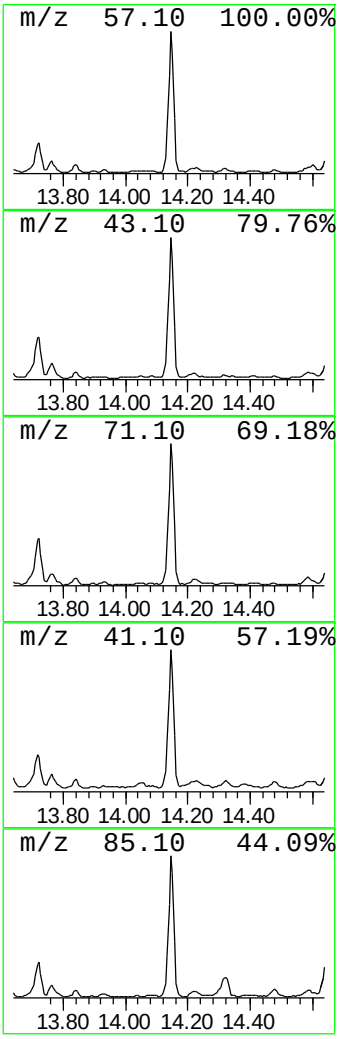
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	5.90 ng/ul	9112970	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Pentadecane	212	C15H32	000629-62-9	86





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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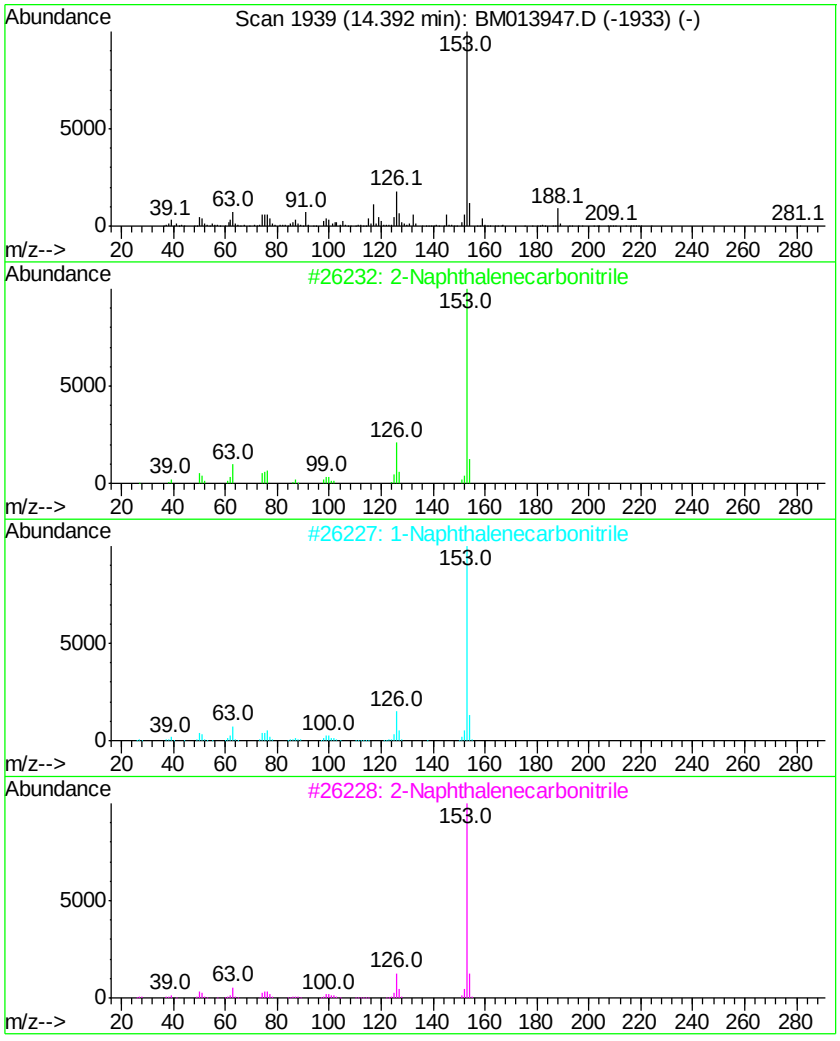
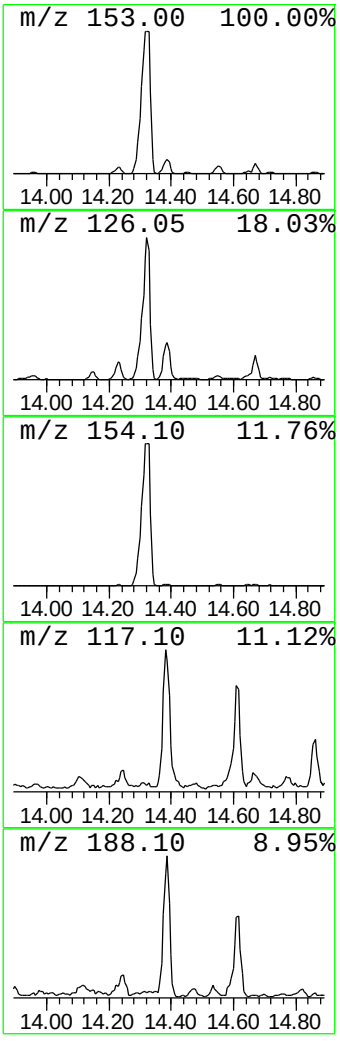
Peak Number 10 2-Naphthalenecarbonitrile Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	2.64 ng/ul	4073200	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	89
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	76
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	76





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

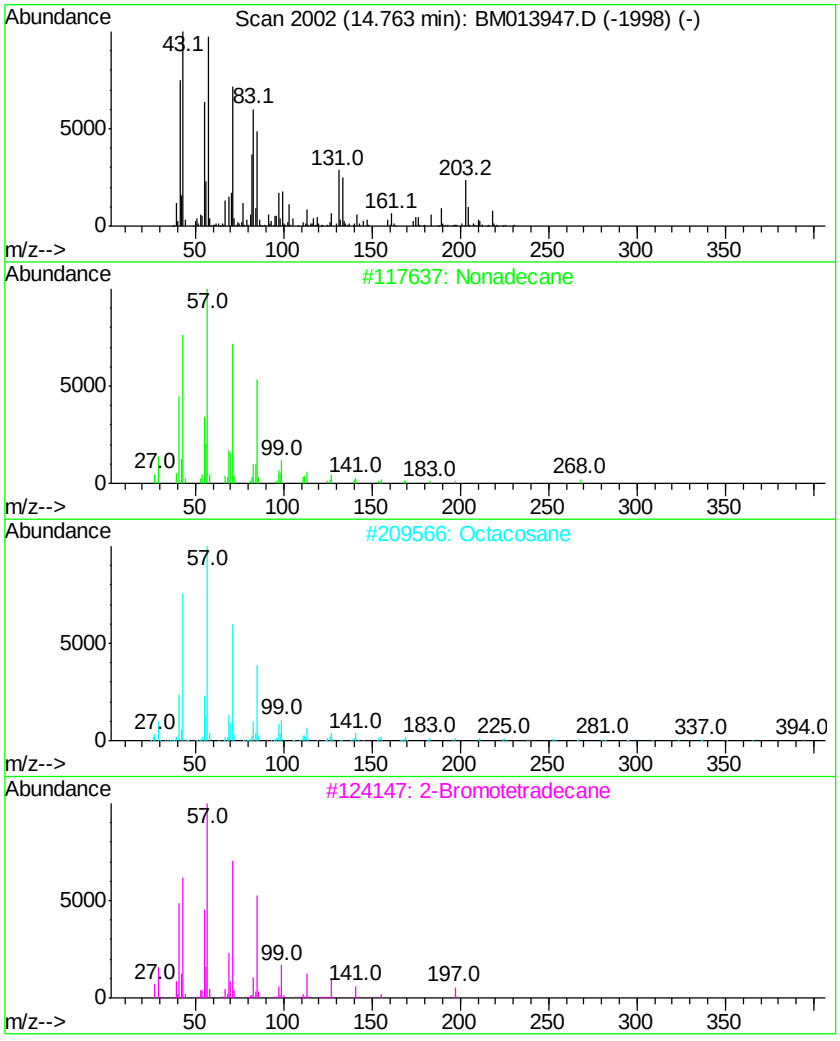
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

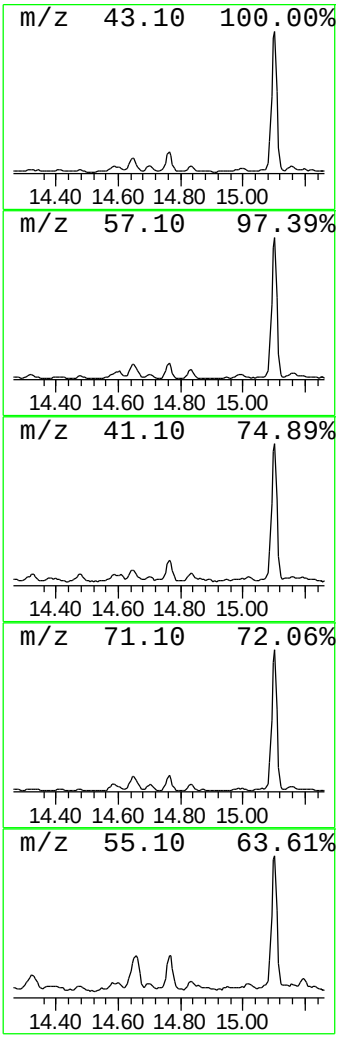
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	2.05 ng/ul	3168550	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	30
2	Octacosane	394	C28H58	000630-02-4	30
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	30
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	30
5	10-Methylnonadecane	282	C20H42	056862-62-5	30





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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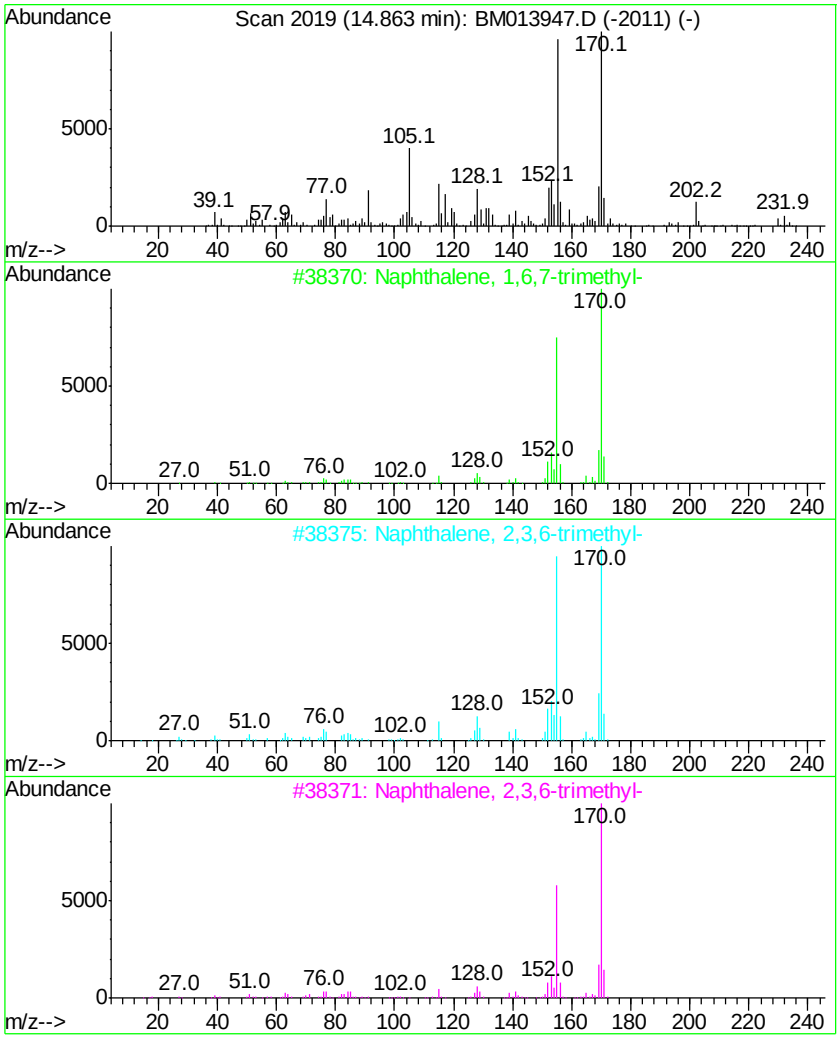
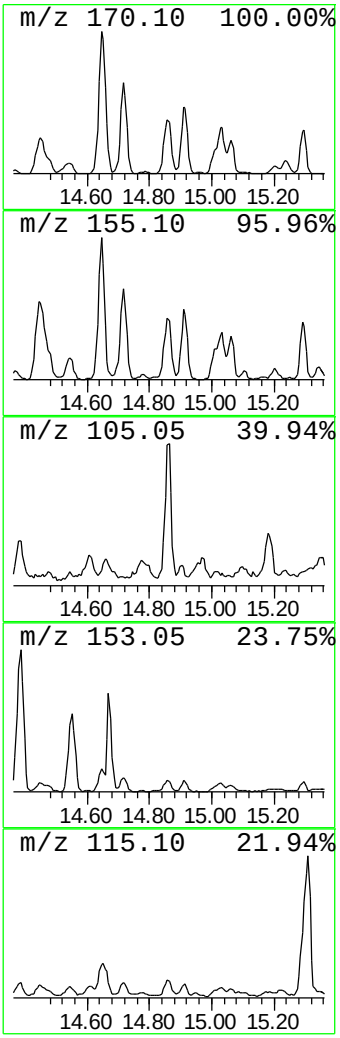
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.55 ng/ul	3940420	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

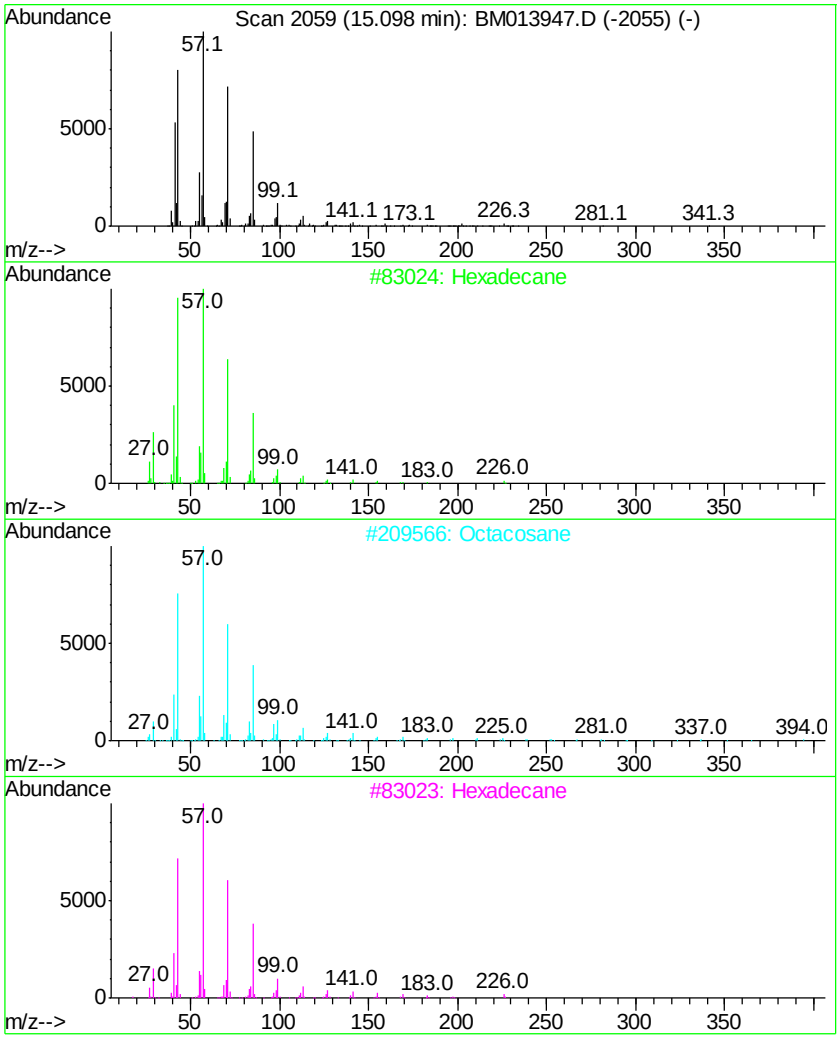
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

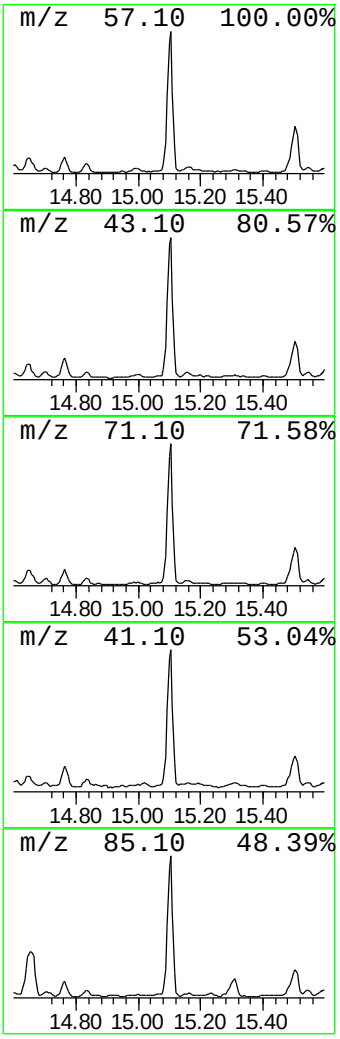
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	6.46 ng/ul	9979200	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Octacosane	394	C28H58	000630-02-4	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	Decane, 3-methyl-	156	C11H24	013151-34-3	87
5	Tridecane	184	C13H28	000629-50-5	80





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Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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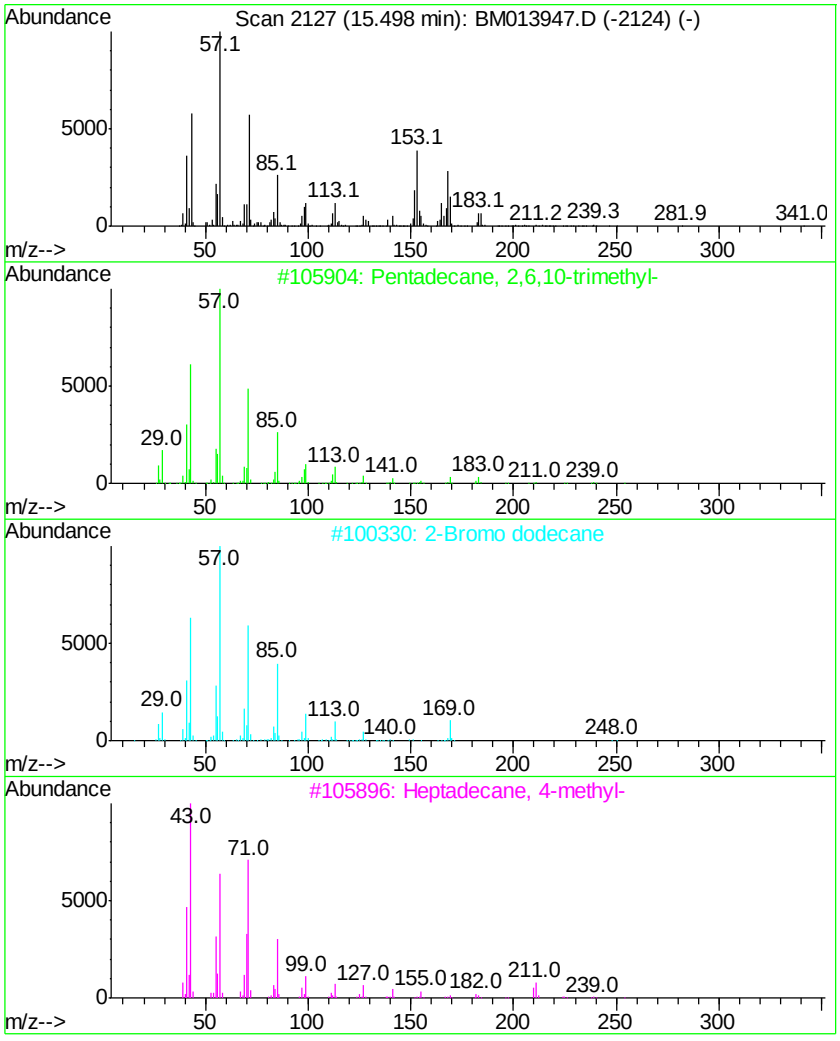
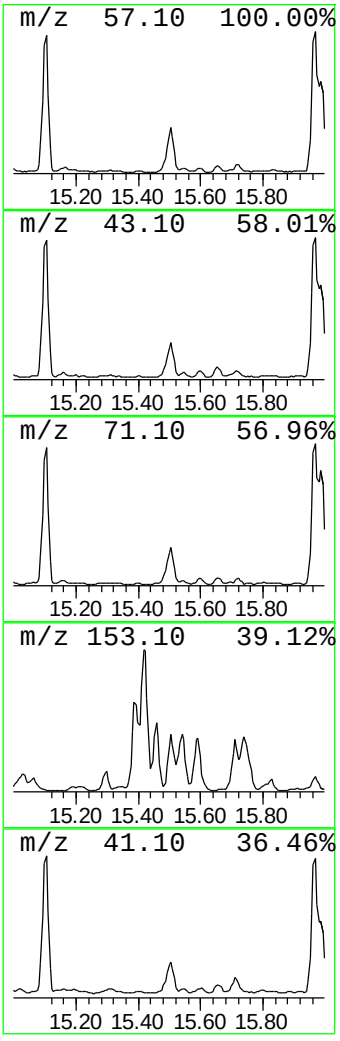
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	2.87 ng/ul	4435430	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	89
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	55
3	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	55
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	45
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	43





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Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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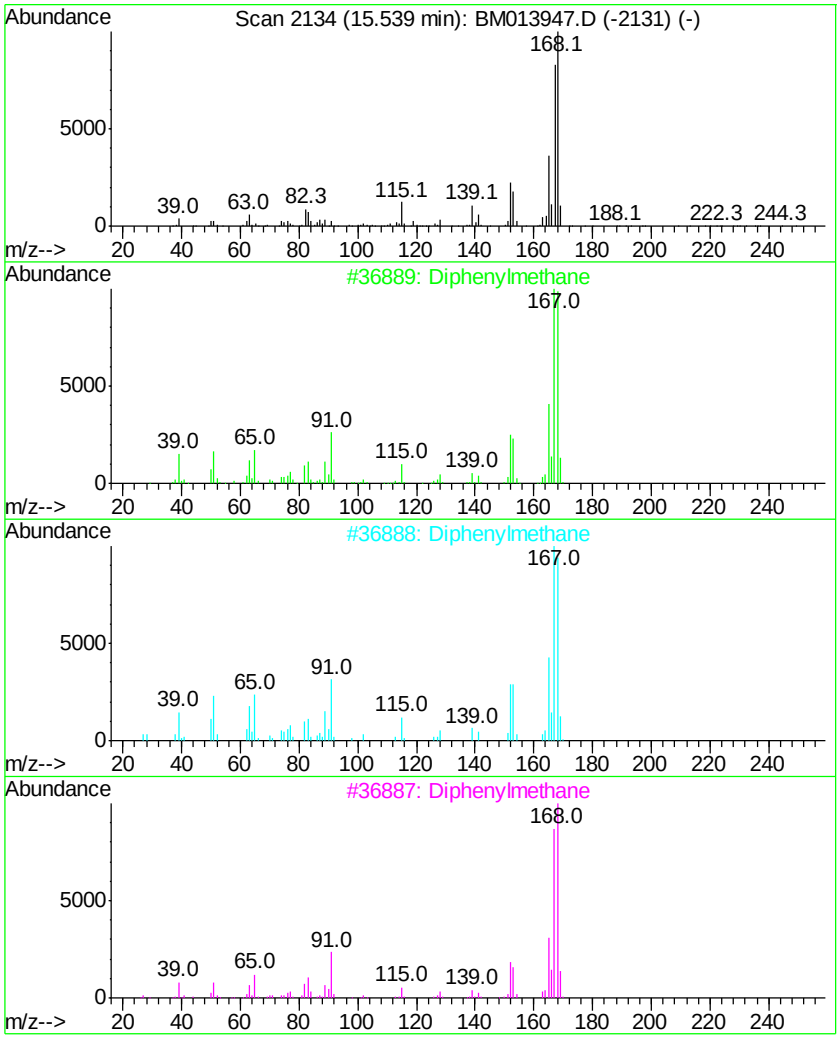
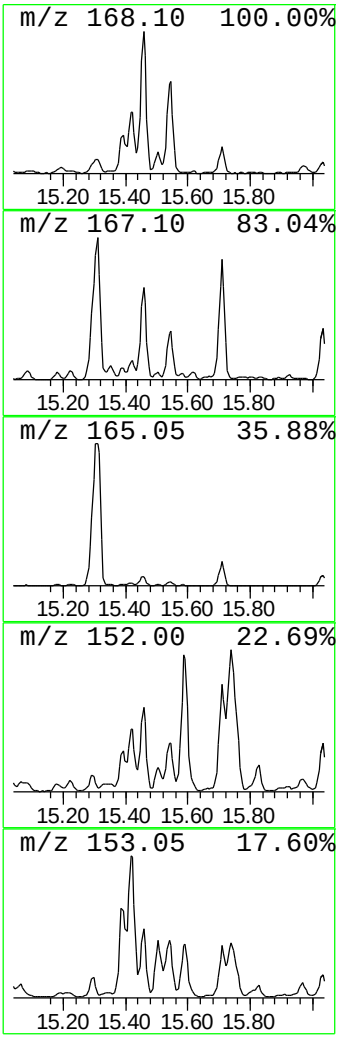
Peak Number 15 Diphenylmethane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.64 ng/ul	4074850	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	Diphenylmethane	168	C13H12	000101-81-5	87
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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Quant Title : SVOA CALIBRATION

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

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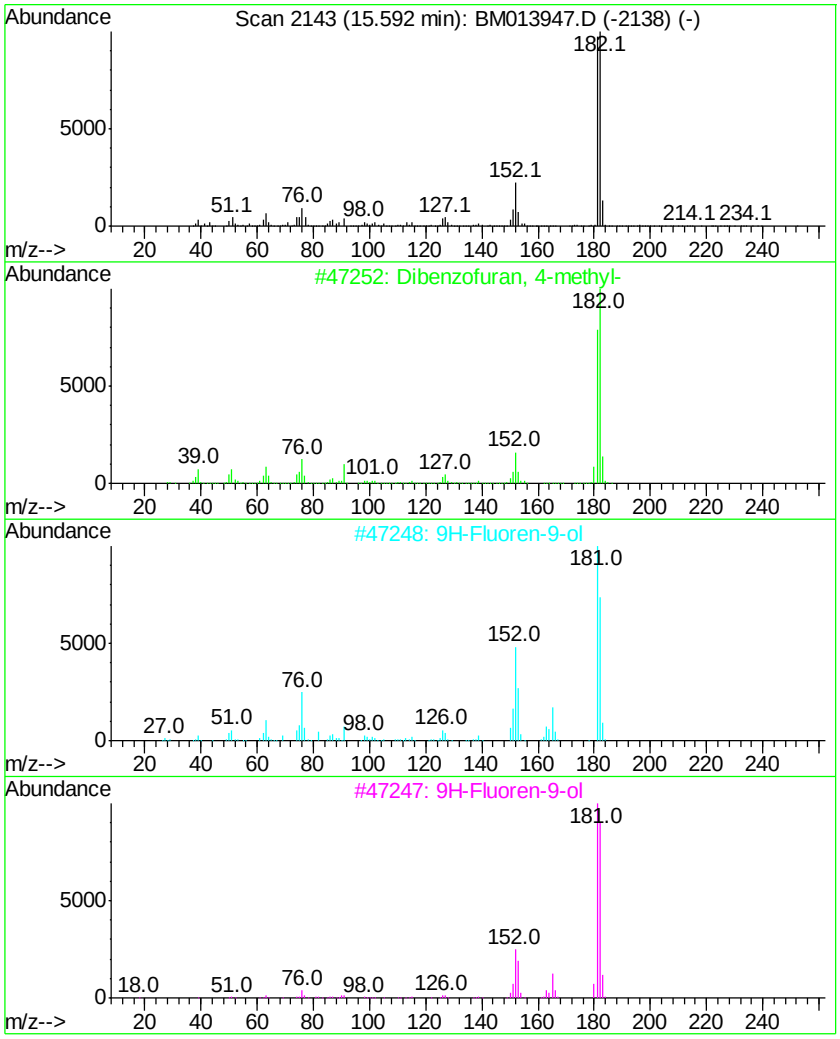
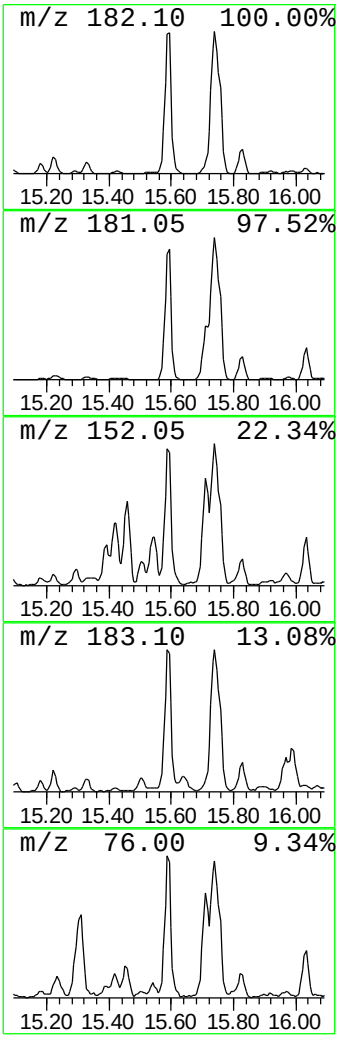
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	7.02 ng/ul	10841900	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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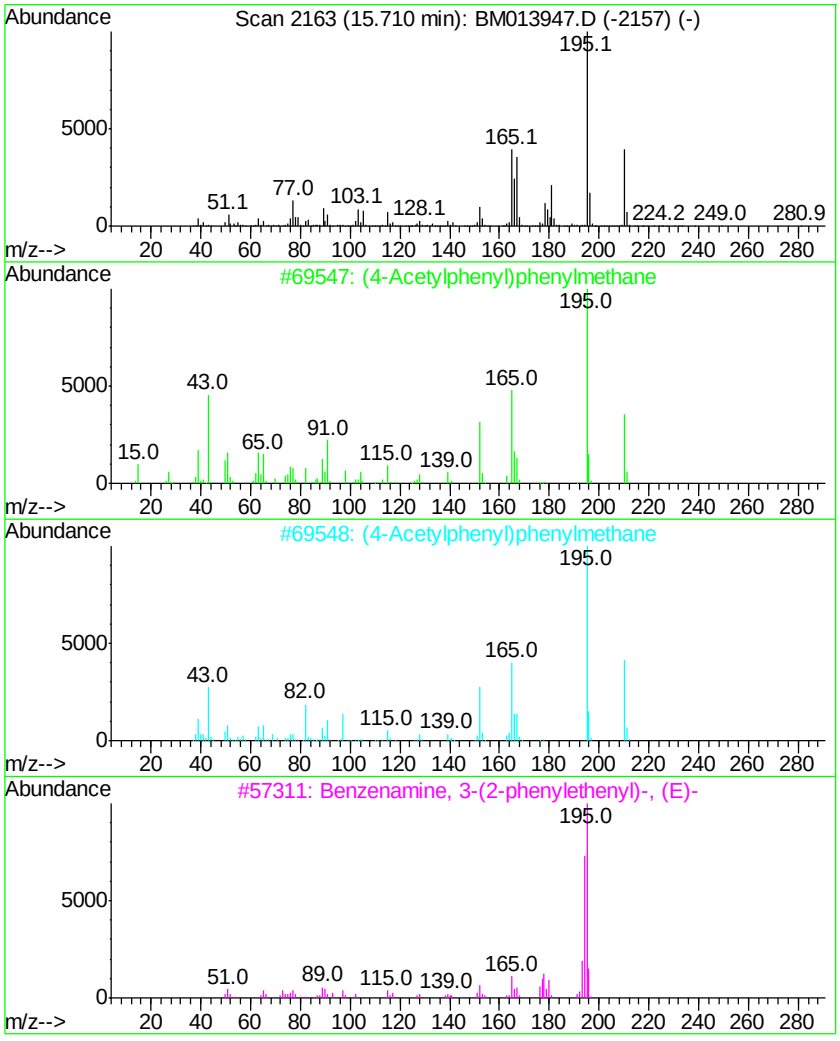
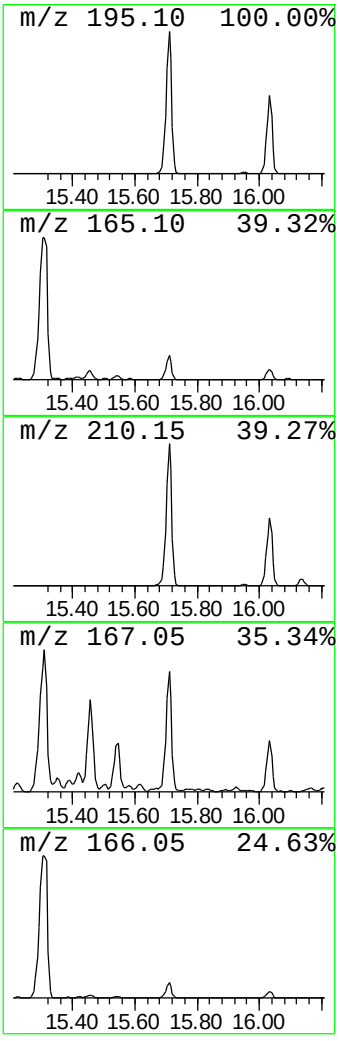
Peak Number 17 (4-Acetylphenyl)phenylmethane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	2.16 ng/ul	23783400	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	76
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	64
3	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	43
4	2,4,6-Trimethoxyacetophenone	210	C11H14O4	000832-58-6	43
5	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	38





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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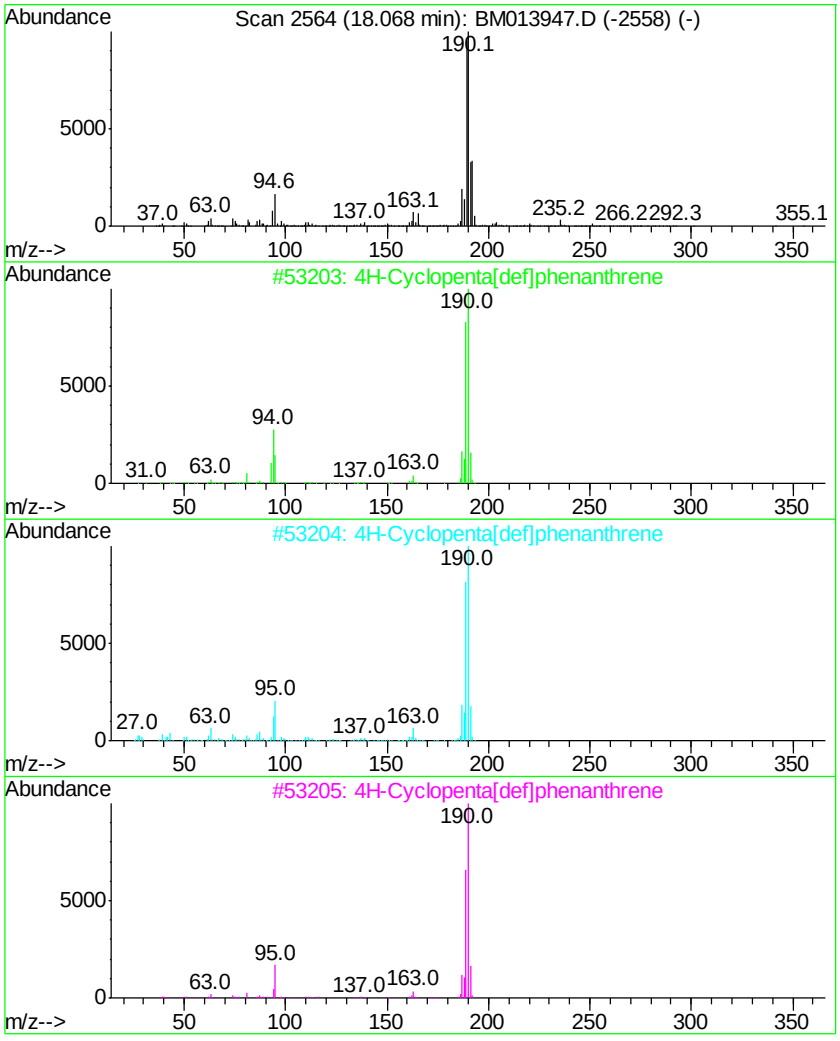
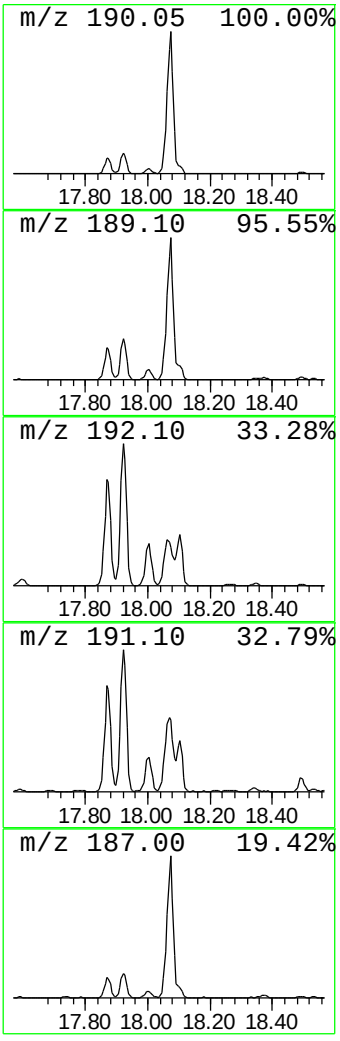
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.02 ng/ul	22244400	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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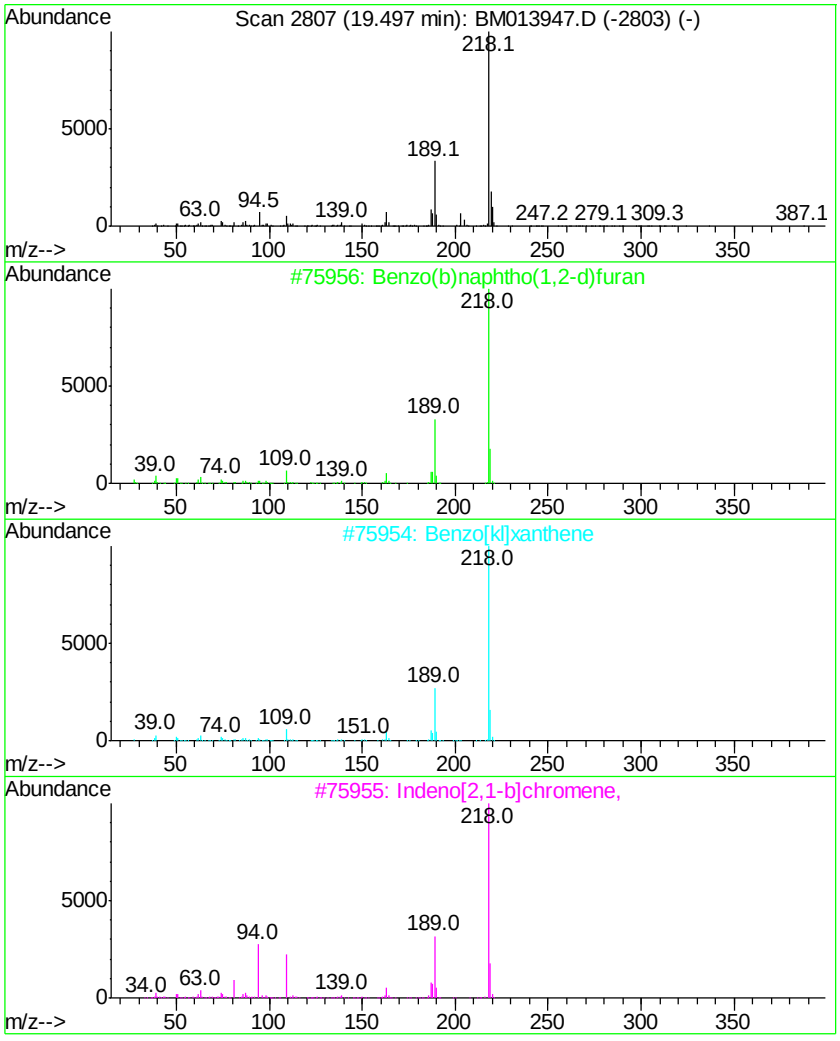
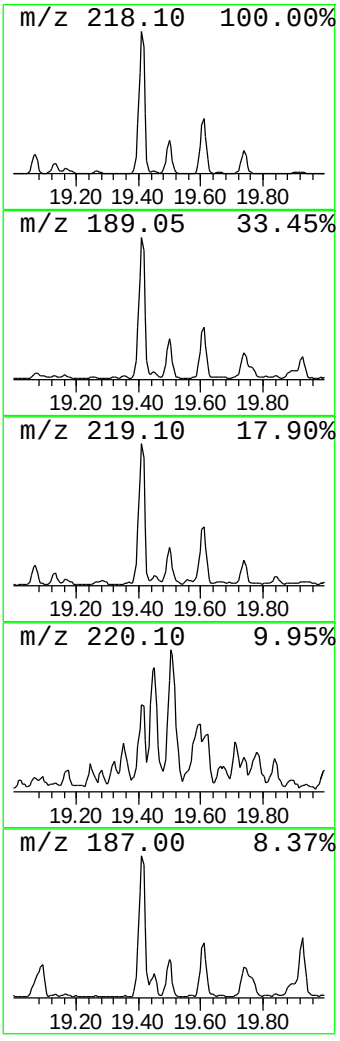
Peak Number 19 Benzo(b)naphtho(1,2-d)furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	3.48 ng/ul	2995610	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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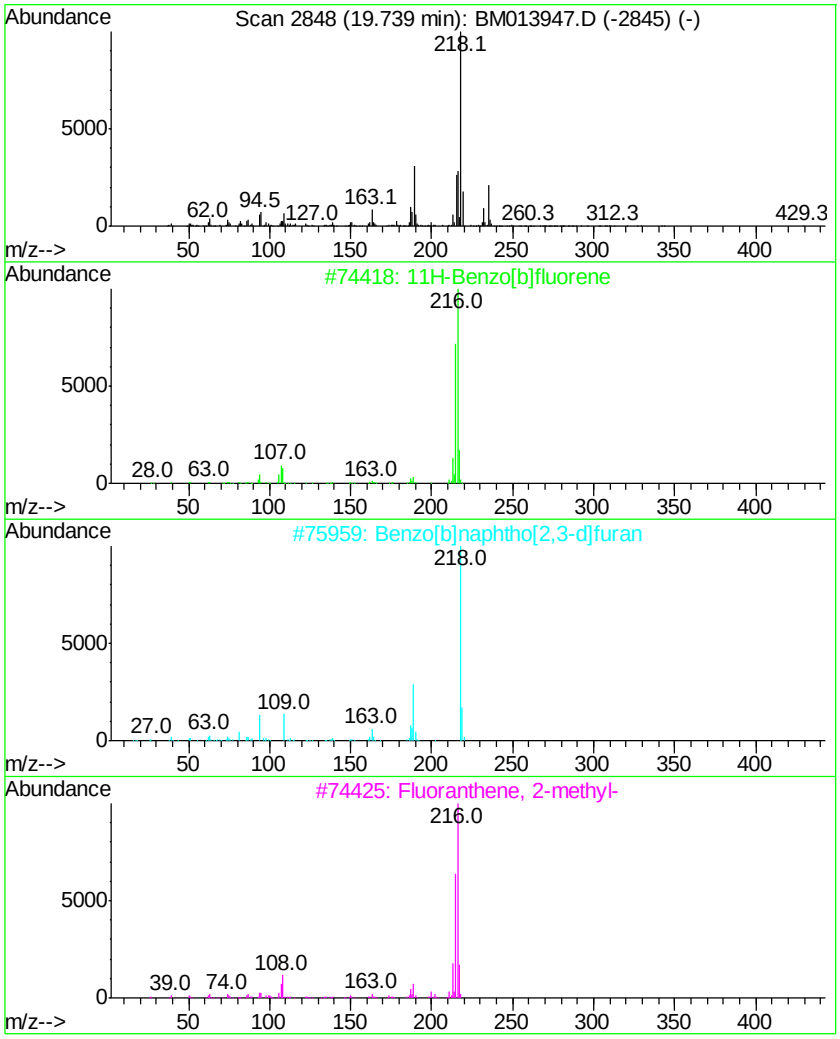
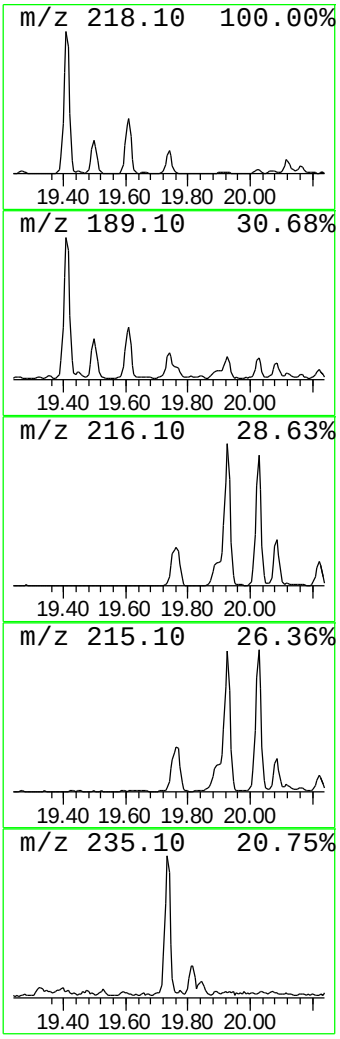
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	3.04 ng/ul	2613950	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	55
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	49
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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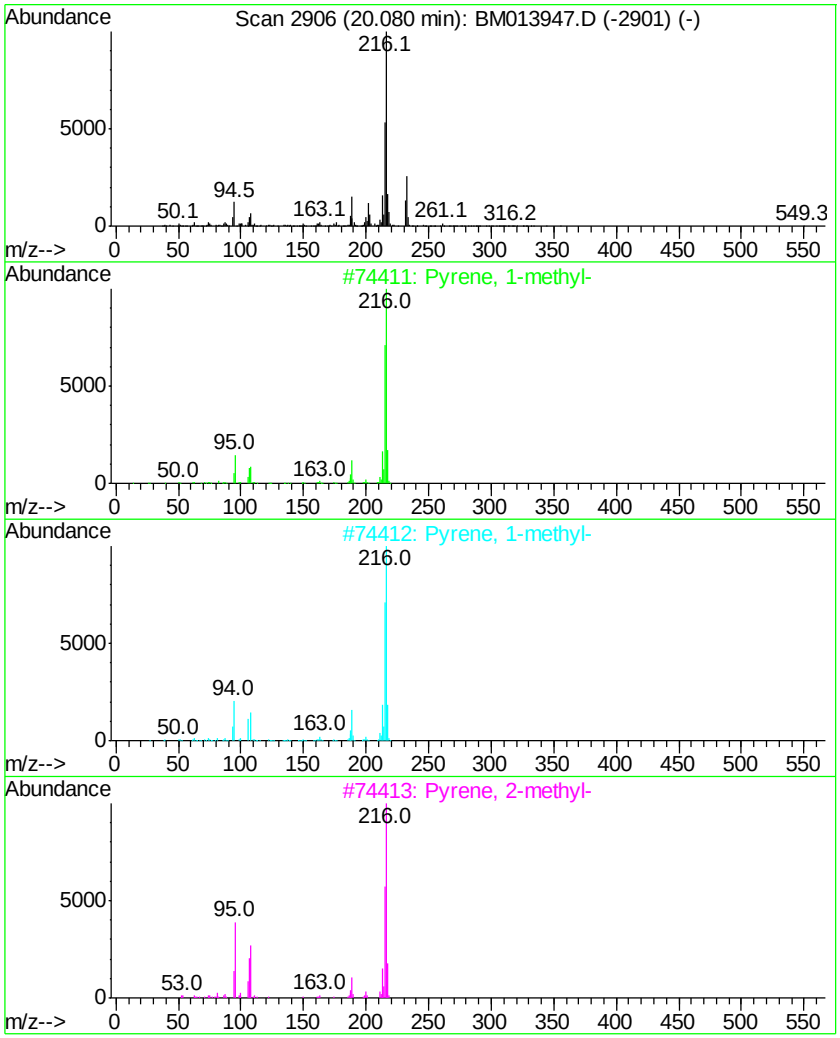
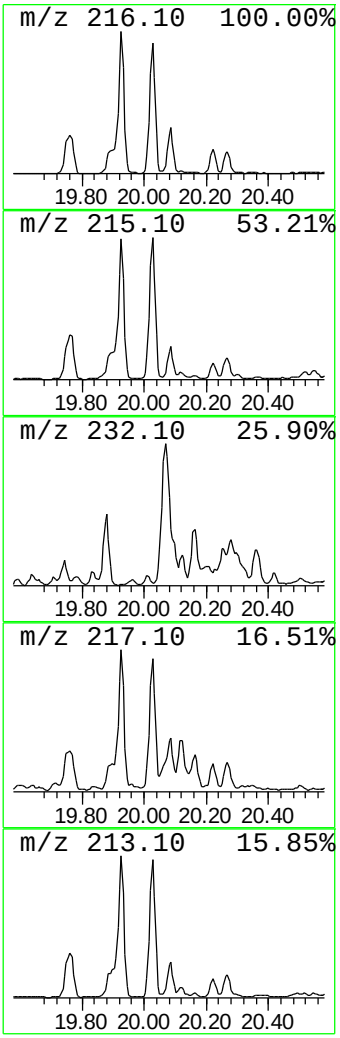
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	4.48 ng/ul	3856040	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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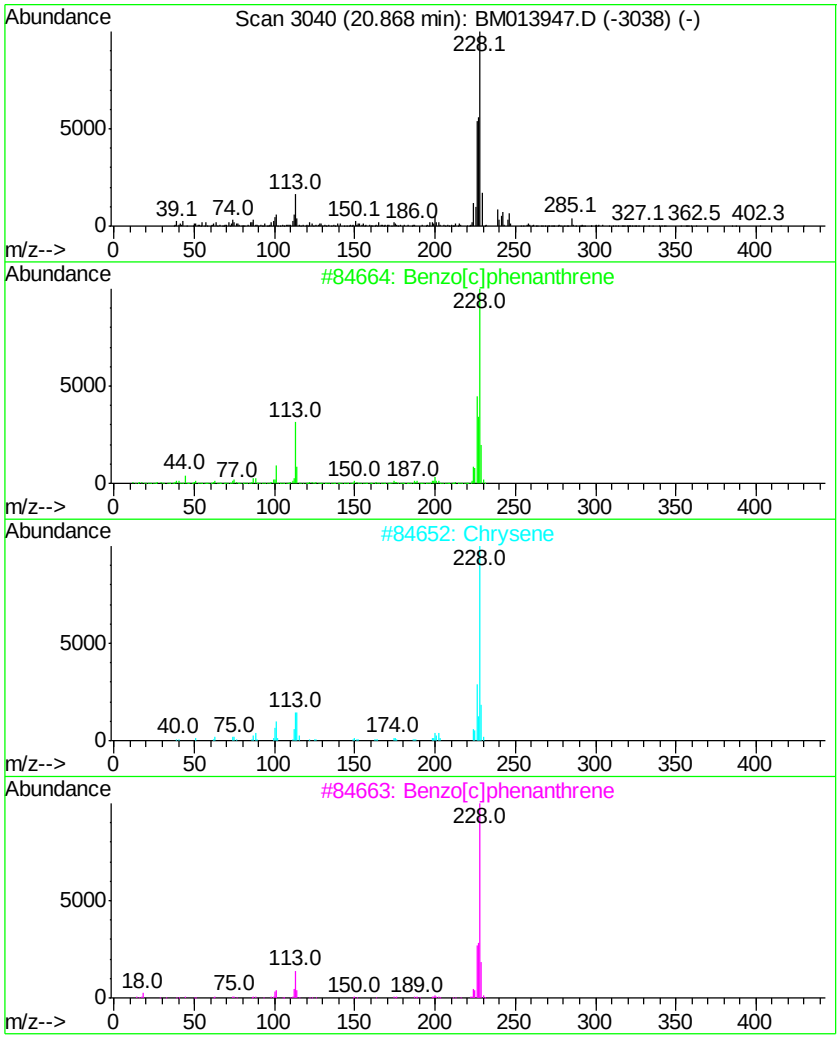
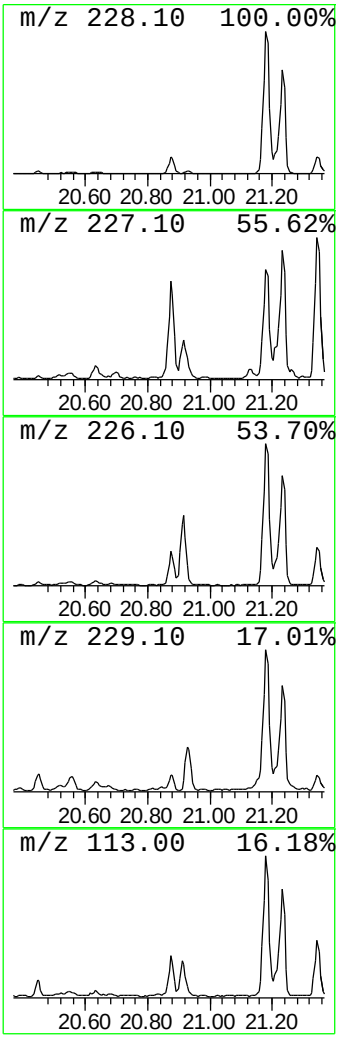
Peak Number 25 Benzo[c]phenanthrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.69 ng/ul	2313930	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
2	Chrysene	228	C18H12	000218-01-9	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Benz[a]anthracene	228	C18H12	000056-55-3	50
5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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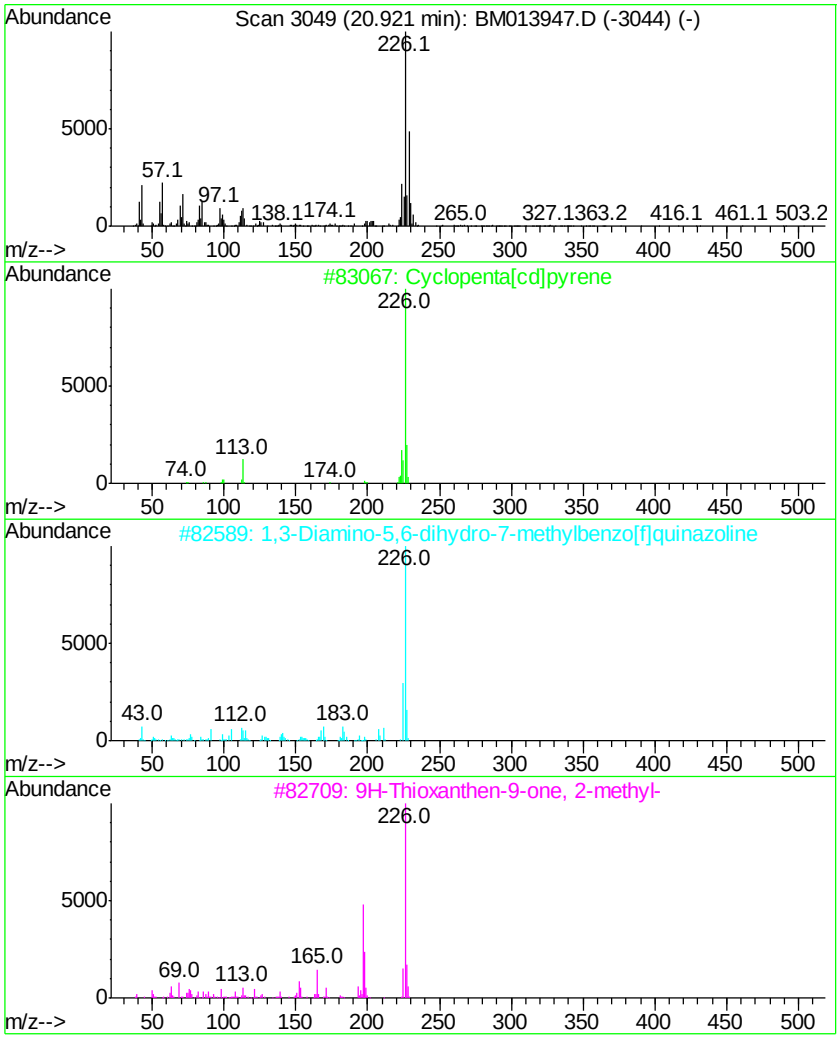
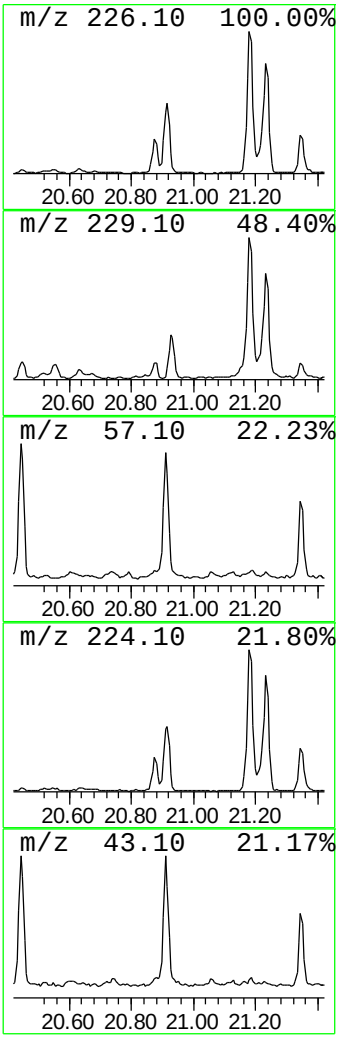
Peak Number 26 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	4.03 ng/ul	3470270	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	43
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	38
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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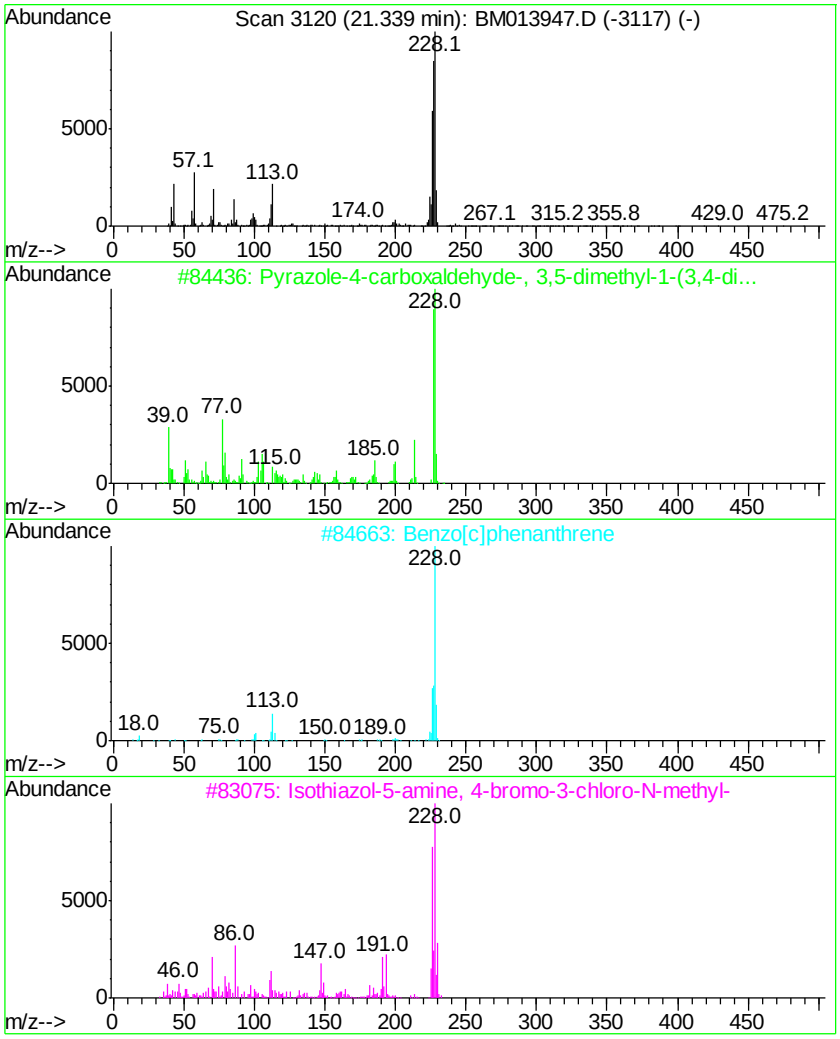
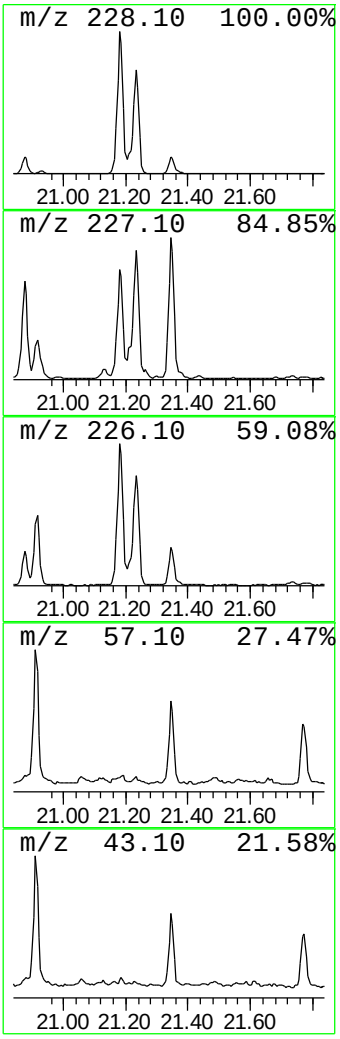
Peak Number 27 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.90 ng/ul	3359480	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	43
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	38





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_M\DATA\BM012818\
Data File : BM013947.D
Acq On : 29 Jan 2018 06:00
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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
Benzene, 1-etheny...	9.75	16.1	ng/ul	2684000	2	10.36	3342490	20.0
Isoquinoline	11.19	18.2	ng/ul	3046370	2	10.36	3342490	20.0
(DEL) Alkane: Str...	11.79	29.6	ng/ul	4955050	2	10.36	3342490	20.0
Naphthalene, 1-me...	12.27	265.2	ng/ul	44317000	2	10.36	3342490	20.0
Naphthalene, 1-et...	13.26	5.6	ng/ul	8707890	3	14.23	30894900	20.0
Naphthalene, 2,6-...	13.39	5.1	ng/ul	7932390	3	14.23	30894900	20.0
Naphthalene, 2,3-...	13.56	9.5	ng/ul	14652200	3	14.23	30894900	20.0
(DEL) Alkane: Str...	14.14	5.9	ng/ul	9112970	3	14.23	30894900	20.0
2-Naphthalenecarb...	14.39	2.6	ng/ul	4073200	3	14.23	30894900	20.0
(DEL) Alkane: Str...	14.76	2.0	ng/ul	3168550	3	14.23	30894900	20.0
Naphthalene, 1,6,...	14.86	2.5	ng/ul	3940420	3	14.23	30894900	20.0
(DEL) Alkane: Str...	15.10	6.5	ng/ul	9979200	3	14.23	30894900	20.0
(DEL) Alkane: Str...	15.50	2.9	ng/ul	4435430	3	14.23	30894900	20.0
Diphenylmethane	15.54	2.6	ng/ul	4074850	3	14.23	30894900	20.0
Dibenzofuran, 4-m...	15.59	7.0	ng/ul	10841900	3	14.23	30894900	20.0
(4-Acetylphenyl)p...	15.71	2.2	ng/ul	23783400	4	17.00	220171000	20.0
4H-Cyclopenta[def...	18.07	2.0	ng/ul	22244400	4	17.00	220171000	20.0
Benzo(b)naphtho(1...	19.50	3.5	ng/ul	2995610	5	21.20	17206100	20.0
11H-Benzo[b]fluorene	19.74	3.0	ng/ul	2613950	5	21.20	17206100	20.0
Pyrene, 1-methyl-	20.08	4.5	ng/ul	3856040	5	21.20	17206100	20.0
Benzo[c]phenanthrene	20.87	2.7	ng/ul	2313930	5	21.20	17206100	20.0
Cyclopenta[cd]pyrene	20.92	4.0	ng/ul	3470270	5	21.20	17206100	20.0
unknown-01	21.34	3.9	ng/ul	3359480	5	21.20	17206100	20.0