LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

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-BM113017.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	6.869	636	643	652	rBV	655112	1118332	15.46%	1.183%
2	7.034	664	671	679	rBV	601907	891321	12.32%	0.943%
3	7.228	697	704	712	rVB	726112	1166230	16.12%	1.233%
4	7.693	774	783	791	rBV	939274	1473052	20.36%	1.558%
5	8.398	896	903	912	rBV	868399	1421408	19.65%	1.503%
6	8.845	971	979	986	rBV	827162	1323499	18.29%	1.400%
7	9.557	1092	1100	1113	rVB	614120	1060524	14.66%	1.122%
8	10.098	1185	1192	1201	rVB	923554	1579190	21.83%	1.670%
9	10.469	1248	1255	1263	rBV	1300212	2165116	29.93%	2.290%
10	10.610	1273	1279	1292	rBV	308618	548230	7.58%	0.580%
11	13.745	1806	1812	1817	rBV	1431110	2067002	28.57%	2.186%
12	13.792	1817	1820	1829	rVB2	215623	335471	4.64%	0.355%
13	14.022	1852	1859	1875	rBV2	2121701	3680641	50.87%	3.893%
14	14.239	1892	1896	1900	rBV	94078	117336	1.62%	0.124%
15	14.333	1902	1912	1919	rVV2	1897283	2962712	40.95%	3.134%
16	14.398	1919	1923	1930	rVB	43791	81287	1.12%	0.086%
17	14.545	1939	1948	1959	rBV	286709	531930	7.35%	0.563%
18	14.933	2009	2014	2019	rBV5	49723	88897	1.23%	0.094%
19	15.198	2054	2059	2067	rVB2	135950	212099	2.93%	0.224%
20	15.327	2073	2081	2088	rBV	2724243	3862263	53.38%	4.085%
21	15.451	2097	2102	2108	rBV	330371	460637	6.37%	0.487%
22	15.592	2116	2126	2133	rBV8	78220	228998	3.17%	0.242%
23	16.057	2199	2205	2218	rBV7	195662	464000	6.41%	0.491%
24	16.733	2316	2320	2329	rBV8	86485	146766	2.03%	0.155%
25	16.851	2336	2340	2345	rVV3	102207	137693	1.90%	0.146%
26	16.904	2345	2349	2357	rVB7	69475	113584	1.57%	0.120%
27	17.080	2373	2379	2384	rBV2	2573715	3631041	50.19%	3.840%
28	17.121	2384	2386	2390	rVV	162136	188703	2.61%	0.200%
29	17.180	2390	2396	2400	rVV	3011860	4183355	57.82%	4.425%
30	17.210	2400	2401	2407	rVB	359976	401073	5.54%	0.424%
31	17.486	2444	2448	2456	rBV	114936	189850	2.62%	0.201%
32	17.586	2462	2465	2472	rVB5	59501	98805	1.37%	0.105%
33	17.980	2529	2532	2544	rVB6	105499	219071	3.03%	0.232%
34	18.086	2546	2550	2554	rVB	74065	99341	1.37%	0.105%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

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-BM113017.M
Title : SVOA CALIBRATION

35	18.157	2556	2562	2566	rBV2	140926	249362	3.45%	0.264%
36	18.280	2580	2583	2586	rBV5	70136	80838	1.12%	0.086%
37	18.498	2617	2620	2626	rVB2	108534	152620	2.11%	0.161%
38	18.557	2626	2630	2635	rBV5	123702	140875	1.95%	0.149%
39	18.874	2681	2684	2689	rVB3	109332	160590	2.22%	0.170%
40	18.921	2689	2692	2694	rBV4	72934	109717	1.52%	0.116%
41	19.021	2704	2709	2715	rBV	404365	664658	9.19%	0.703%
42	19.145	2724	2730	2736	rVB	2175919	2922898	40.40%	3.091%
43	19.204	2737	2740	2744	rVV6	72506	107028	1.48%	0.113%
44	19.292	2749	2755	2759	rVB2	136665	223594	3.09%	0.236%
45	19.480	2781	2787	2789	rBV	3561135	5059343	69.93%	5.351%
46	19.509	2789	2792	2799	rVV	2836292	3911587	54.07%	4.137%
47	19.586	2800	2805	2810	rVB4	159468	294608	4.07%	0.312%
48	19.833	2842	2847	2854	rBV4	378591	844982	11.68%	0.894%
49	19.921	2859	2862	2865	rVV2	142360	182040	2.52%	0.193%
50	19.980	2865	2872	2879	rVV4	415975	1255149	17.35%	1.328%
51	20.162	2896	2903	2907	rBV2	498741	874752	12.09%	0.925%
52	20.298	2922	2926	2930	rBV	457599	652900	9.02%	0.691%
53	20.345	2930	2934	2938	rVB	323585	462220	6.39%	0.489%
54	20.515	2961	2963	2967	rBV4	86959	86985	1.20%	0.092%
55	20.551	2967	2969	2971	rBV3	80393	86707	1.20%	0.092%
56	20.668	2986	2989	2993	rBV6	82673	96502	1.33%	0.102%
57	20.750	2999	3003	3009	rVB	515221	690591	9.55%	0.730%
58	20.833	3014	3017	3022	rVB2	206710	340753	4.71%	0.360%
59	20.915	3029	3031	3035	rVB	282590	326477	4.51%	0.345%
60	20.956	3035	3038	3040	rVV2	246913	266210	3.68%	0.282%
61	20.992	3040	3044	3049	rVV	1385498	1734376	23.97%	1.834%
62	21.050	3051	3054	3059	rVB	298069	413032	5.71%	0.437%
63	21.268	3083	3091	3095	rBV2	3898430	7234843	100.00%	7.652%
64	21.303	3095	3097	3104	rVB	1460555	2033346	28.10%	2.151%
65	21.427	3114	3118	3124	rBV3	262425	496953	6.87%	0.526%
66	21.574	3140	3143	3149	rBV2	207499	351425	4.86%	0.372%
67	21.633	3150	3153	3156	rVB3	154094	184136	2.55%	0.195%
68	21.821	3182	3185	3189	rVB	418403	498526	6.89%	0.527%
69	21.874	3189	3194	3200	rVB3	547648	955904	13.21%	1.011%
70	22.015	3215	3218	3221	rBV	194094	223176	3.08%	0.236%
71	22.833	3351	3357	3362	rBV	2774492	5764608	79.68%	6.097%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

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-BM113017.M
Title : SVOA CALIBRATION

72	22.997	3381	3385	3393	rVB	422780	732533	10.13%	0.775%
73	23.309	3432	3438	3442	rBV	1210897	2227288	30.79%	2.356%
74	23.362	3442	3447	3451	rVV2	1959544	3527955	48.76%	3.731%
75	23.403	3451	3454	3462	rVB	1380346	2252502	31.13%	2.382%
76	23.497	3464	3470	3476	rBV	1723193	3289940	45.47%	3.480%
77	24.038	3557	3562	3569	rVB	632031	1179067	16.30%	1.247%
78	24.115	3571	3575	3584	rBV4	316004	696286	9.62%	0.736%
79	25.733	3843	3850	3864	rVB2	701116	2055138	28.41%	2.174%
80	26.421	3960	3967	3976	rVB2	438519	1202556	16.62%	1.272%

Sum of corrected areas: 94547033

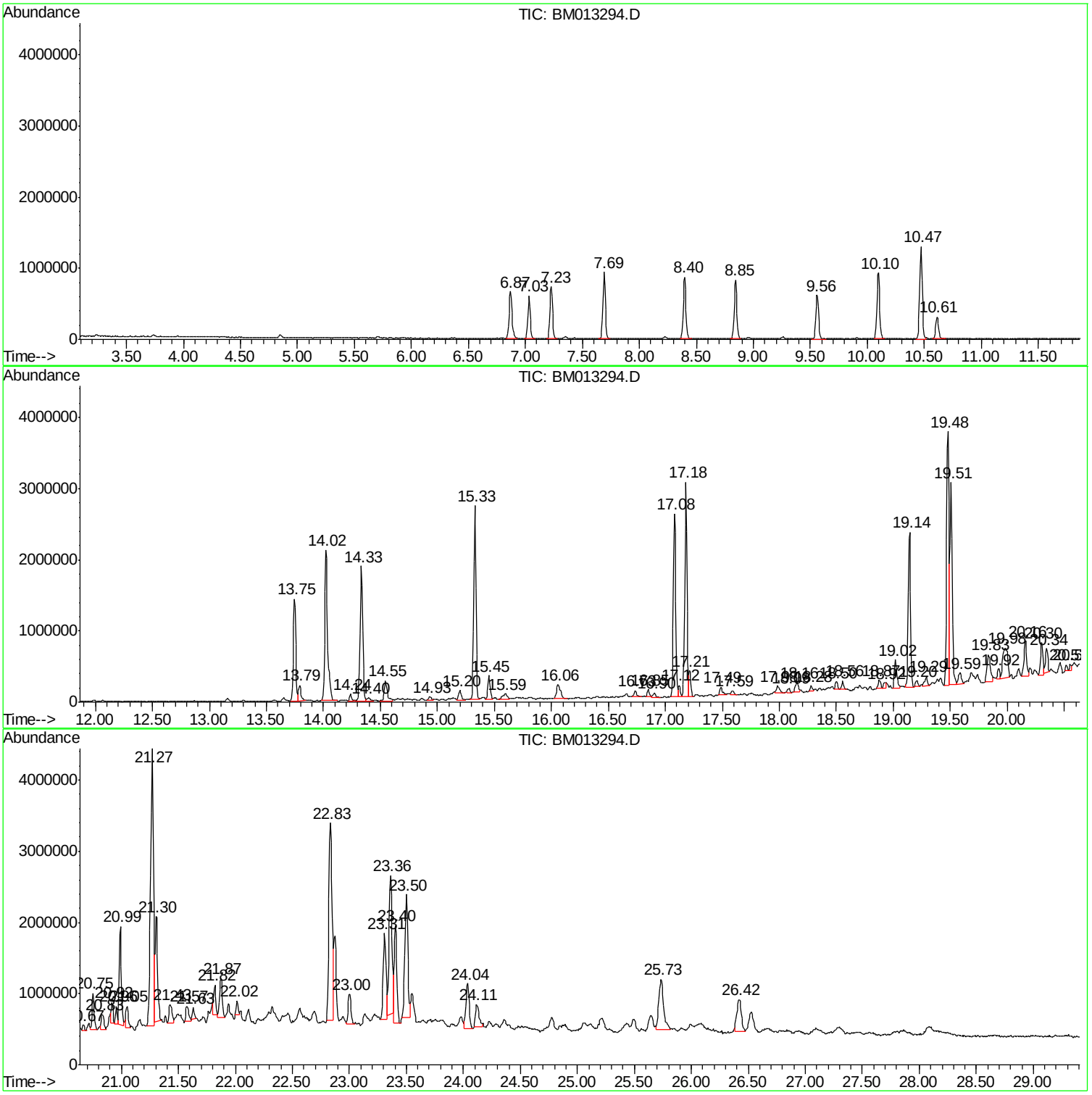
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

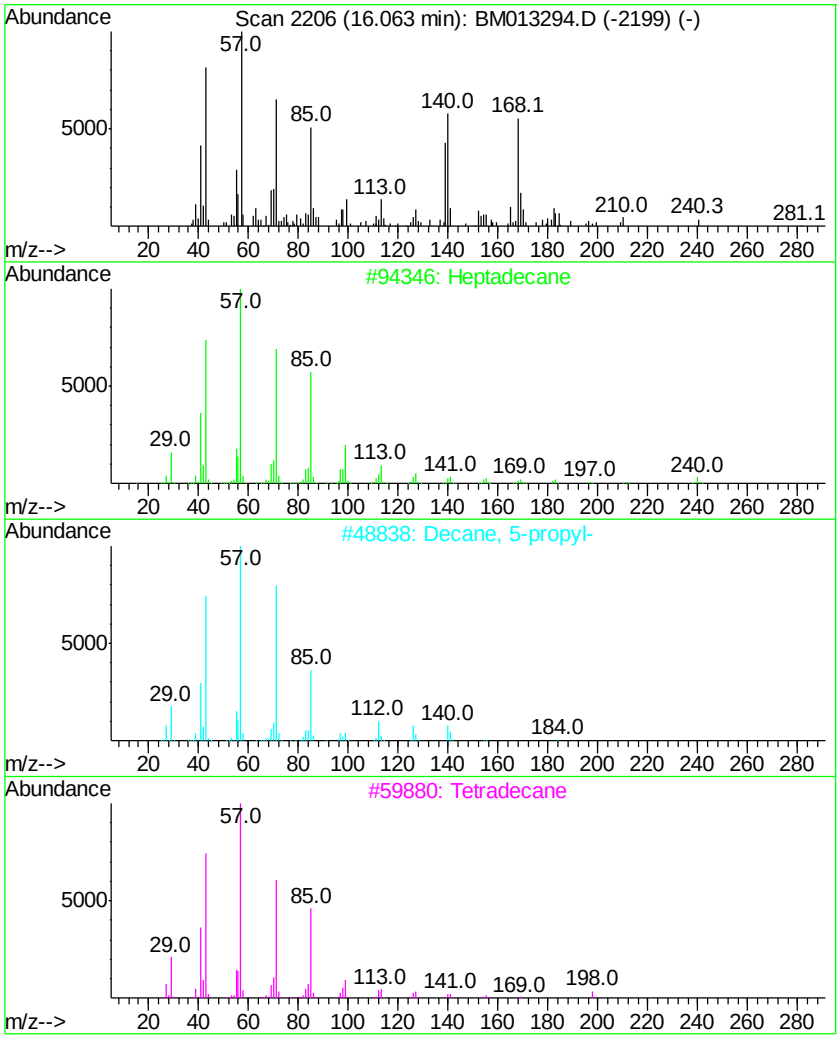
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

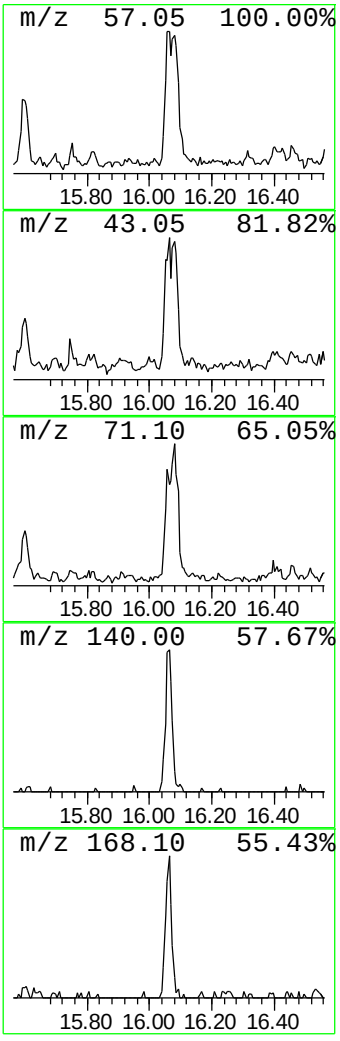
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.56 ng/ul	464000	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	53
2	Decane, 5-propyl-	184	C13H28	017312-62-8	50
3	Tetradecane	198	C14H30	000629-59-4	46
4	Tridecane	184	C13H28	000629-50-5	42
5	Tetradecane	198	C14H30	000629-59-4	42





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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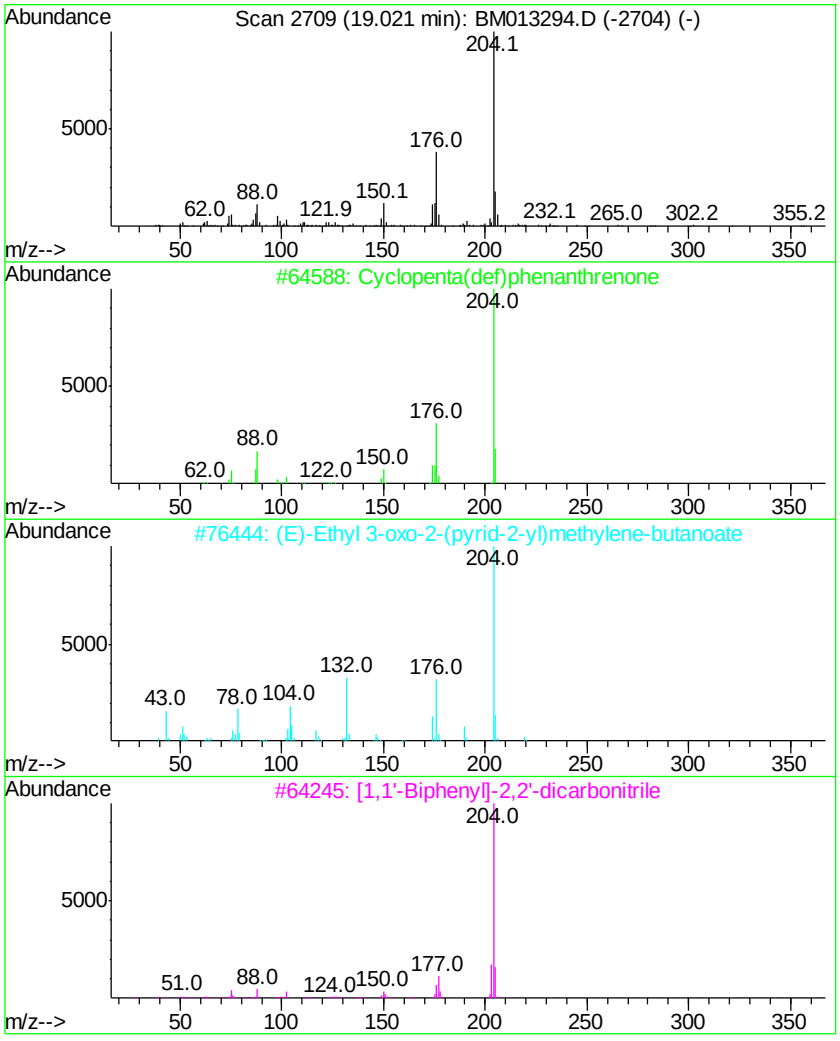
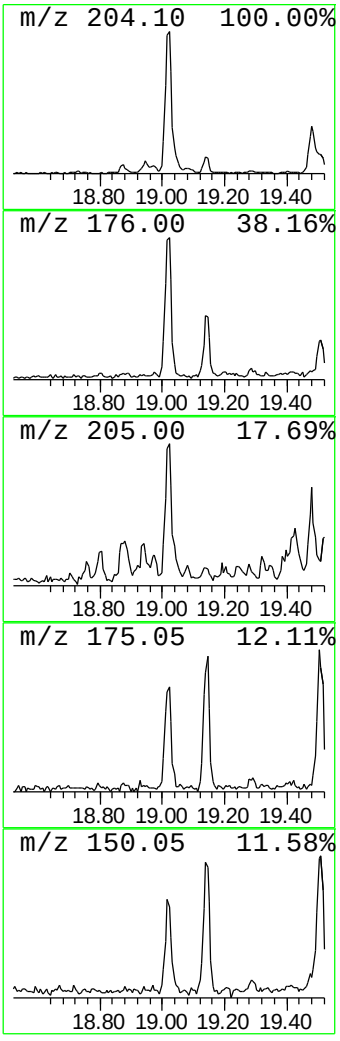
Peak Number 2 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.66 ng/ul	664658	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

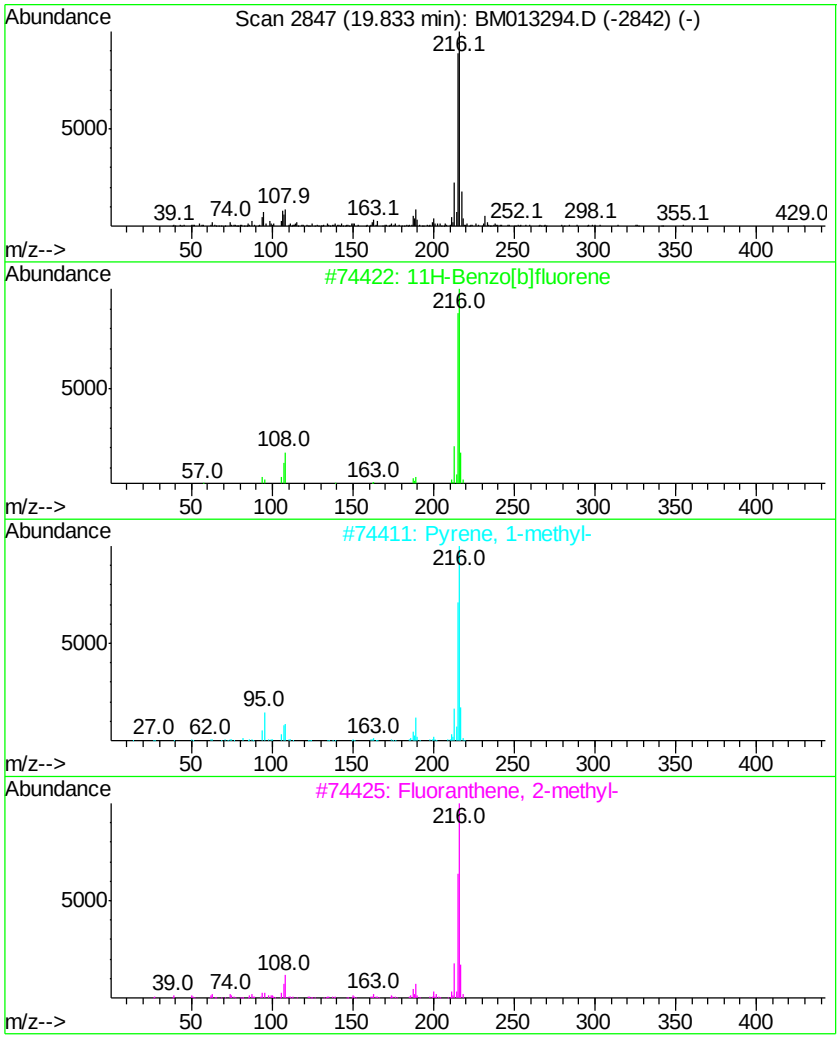
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

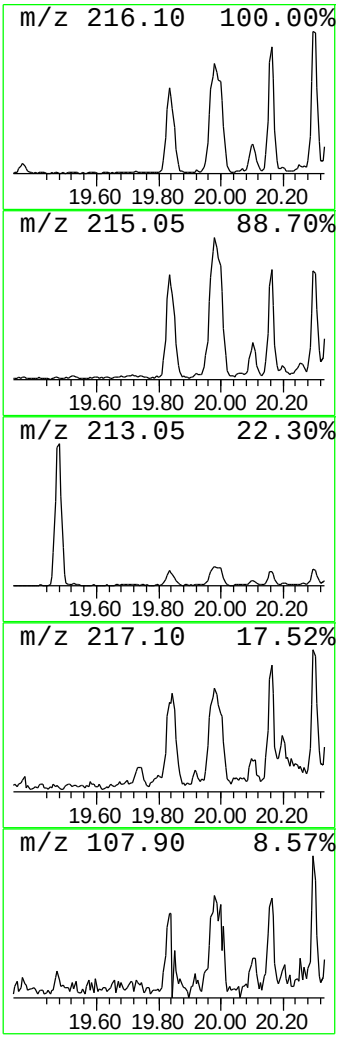
****

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.34 ng/ul	844982	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

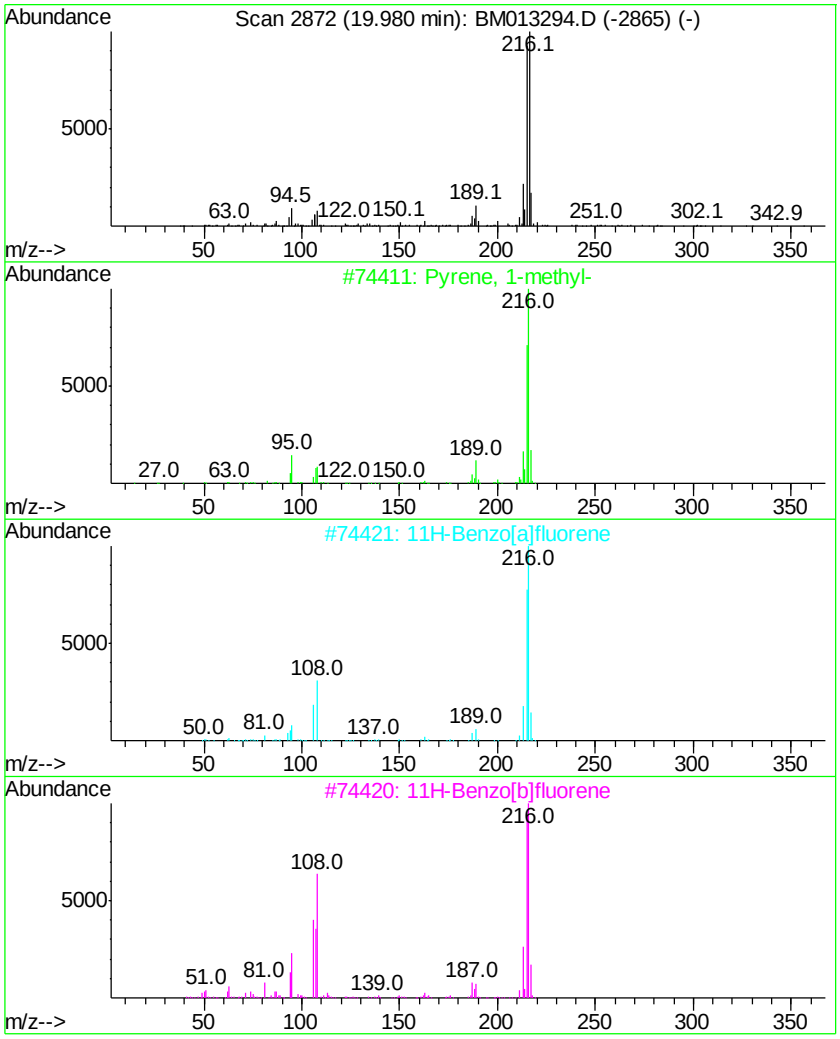
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

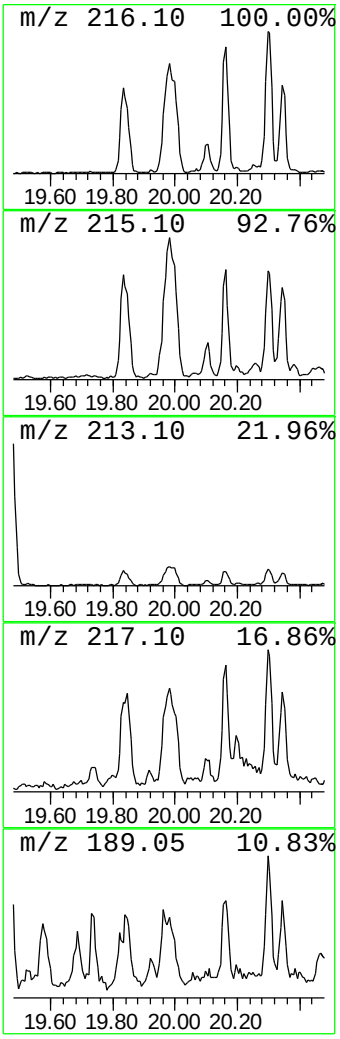
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	3.47 ng/ul	1255150	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

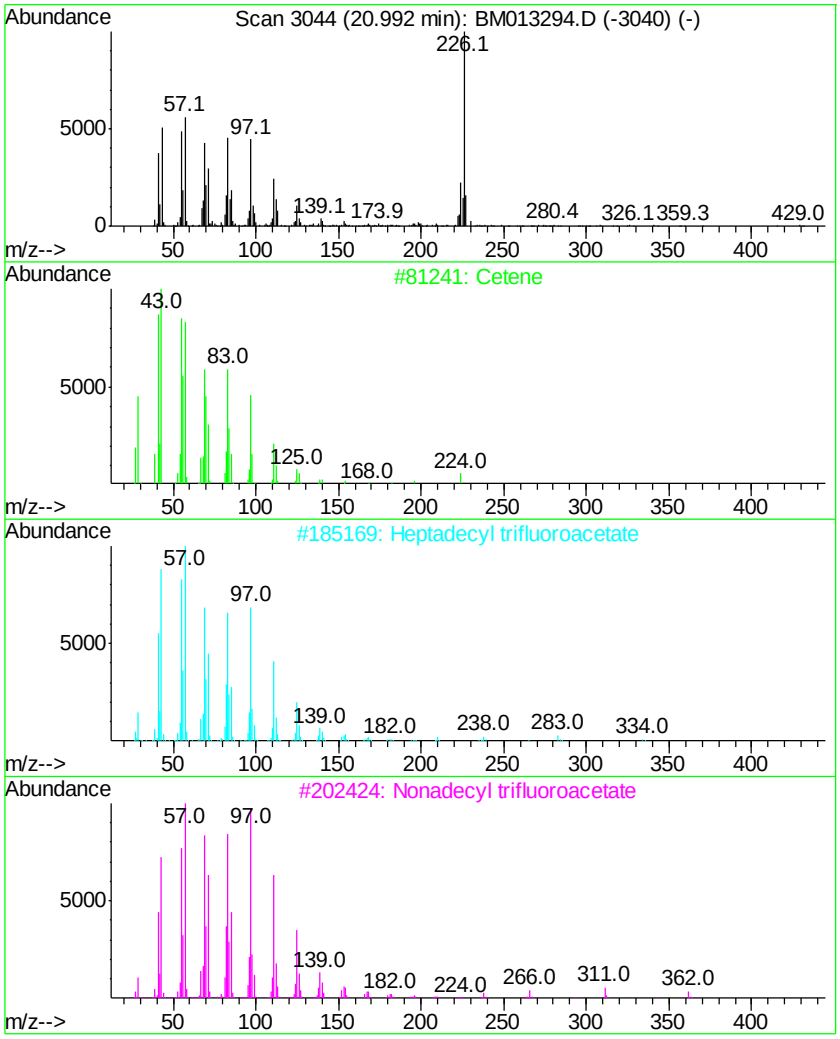
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

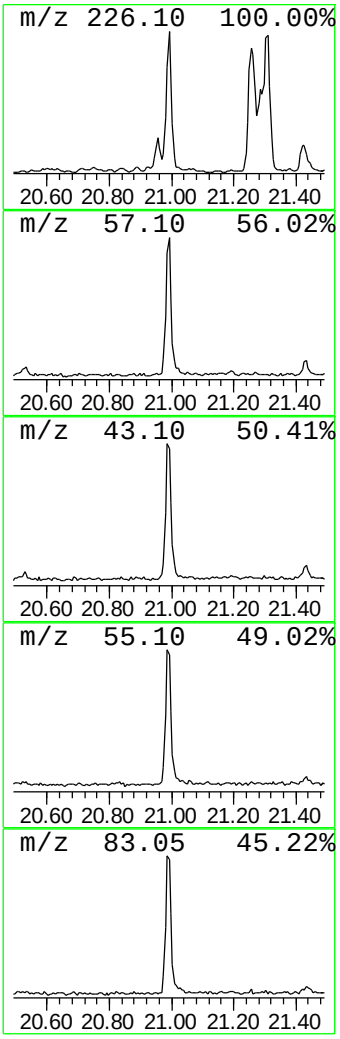
****

Peak Number 6 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	4.79 ng/ul	1734380	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	49
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	46
3	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	46
4	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	46
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	46





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

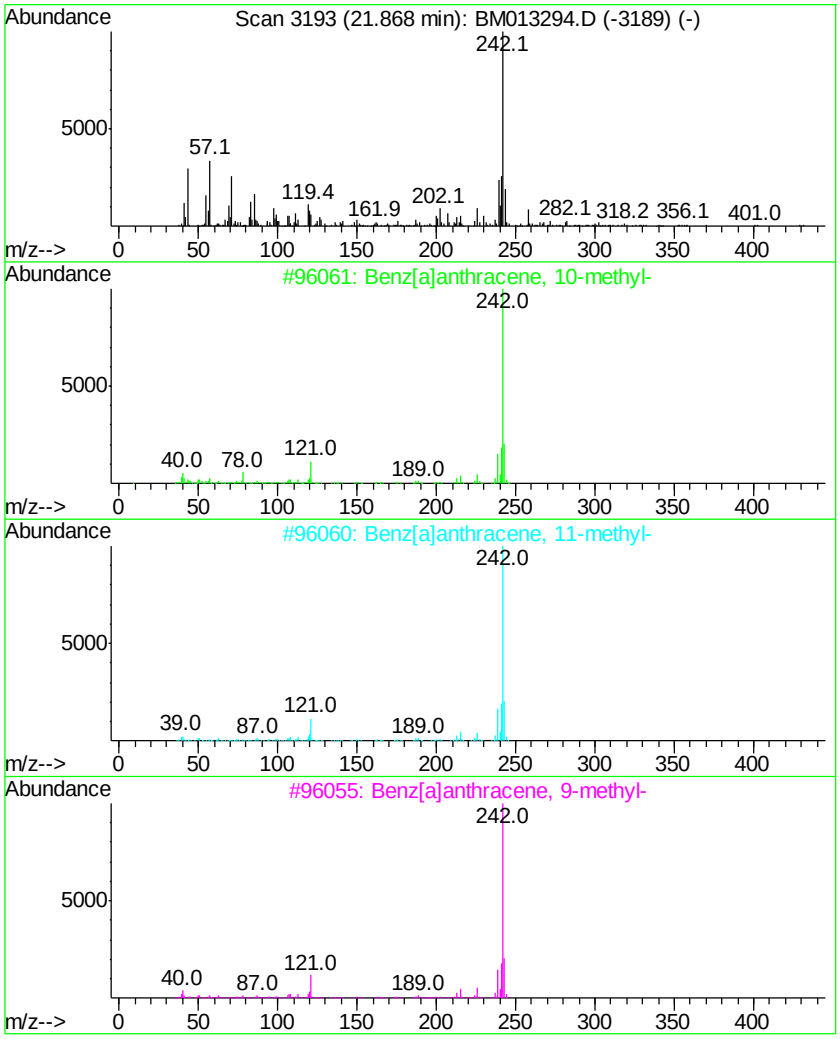
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

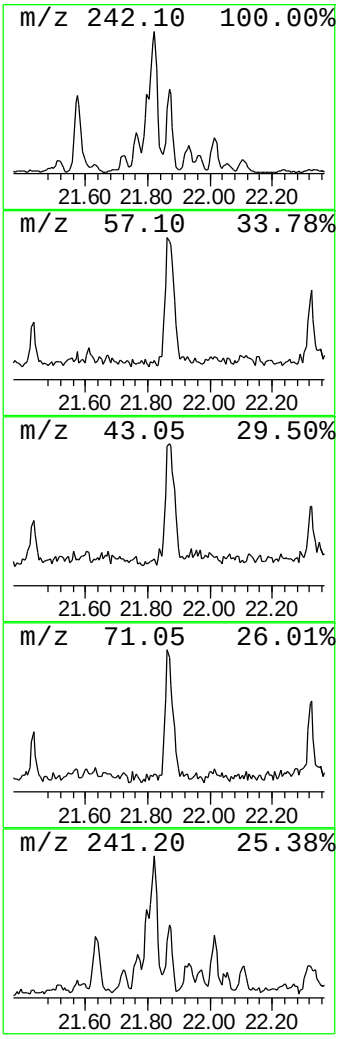
****

Peak Number 7 Benz[a]anthracene, 10-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.64 ng/ul	955904	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	86
2	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	86
3	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	86
4	Benz[a]anthracene, 5-methyl-	242	C19H14	002319-96-2	83
5	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	83





Library Search Compound Report

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Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

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Quant Title : SVOA CALIBRATION

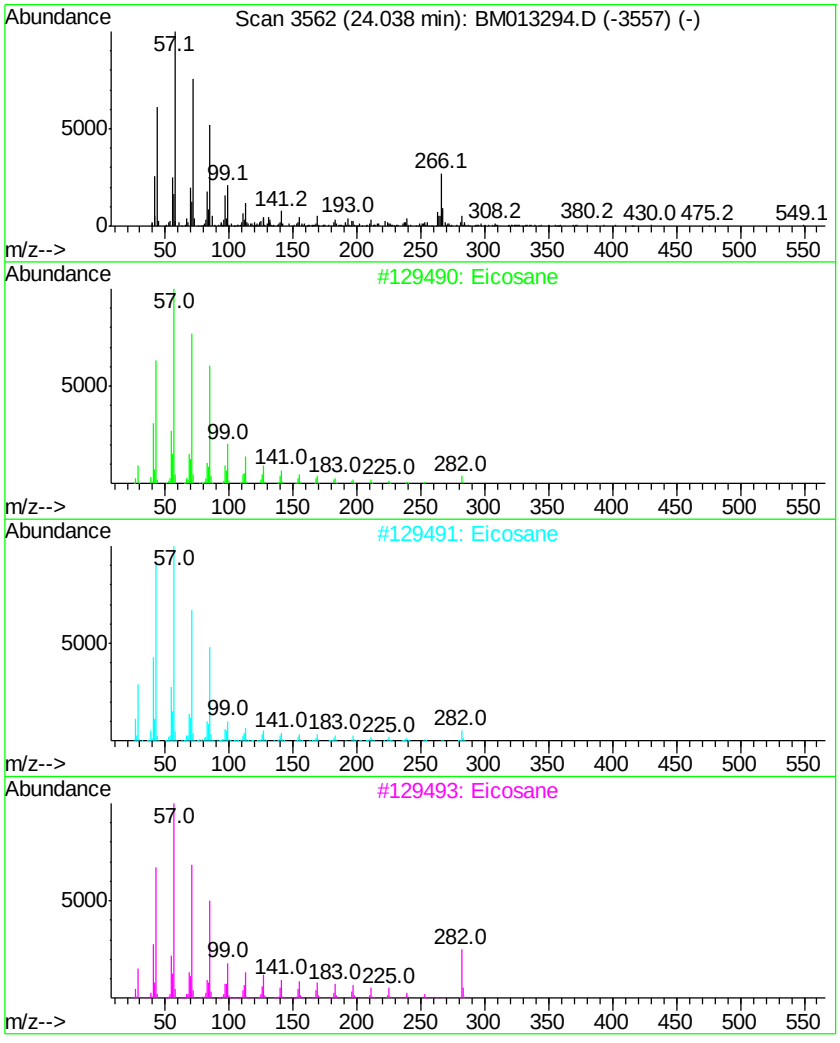
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

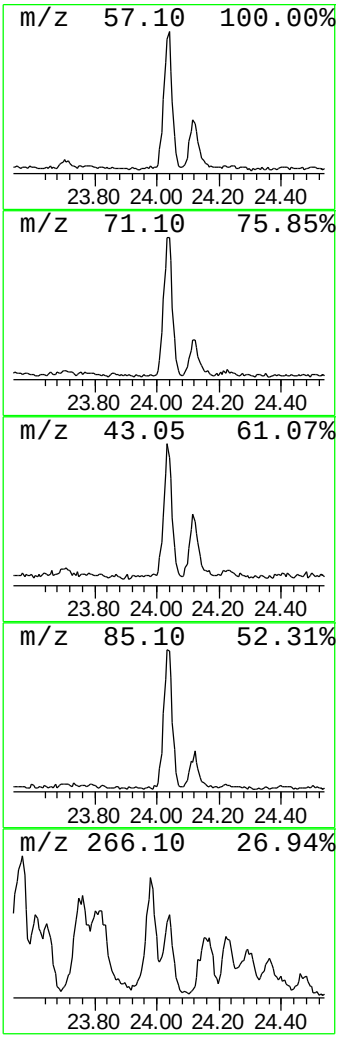
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	7.17 ng/ul	1179070	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	89
2	Eicosane	282	C20H42	000112-95-8	86
3	Eicosane	282	C20H42	000112-95-8	76
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	70
5	Octacosane	394	C28H58	000630-02-4	70





Library Search Compound Report

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Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

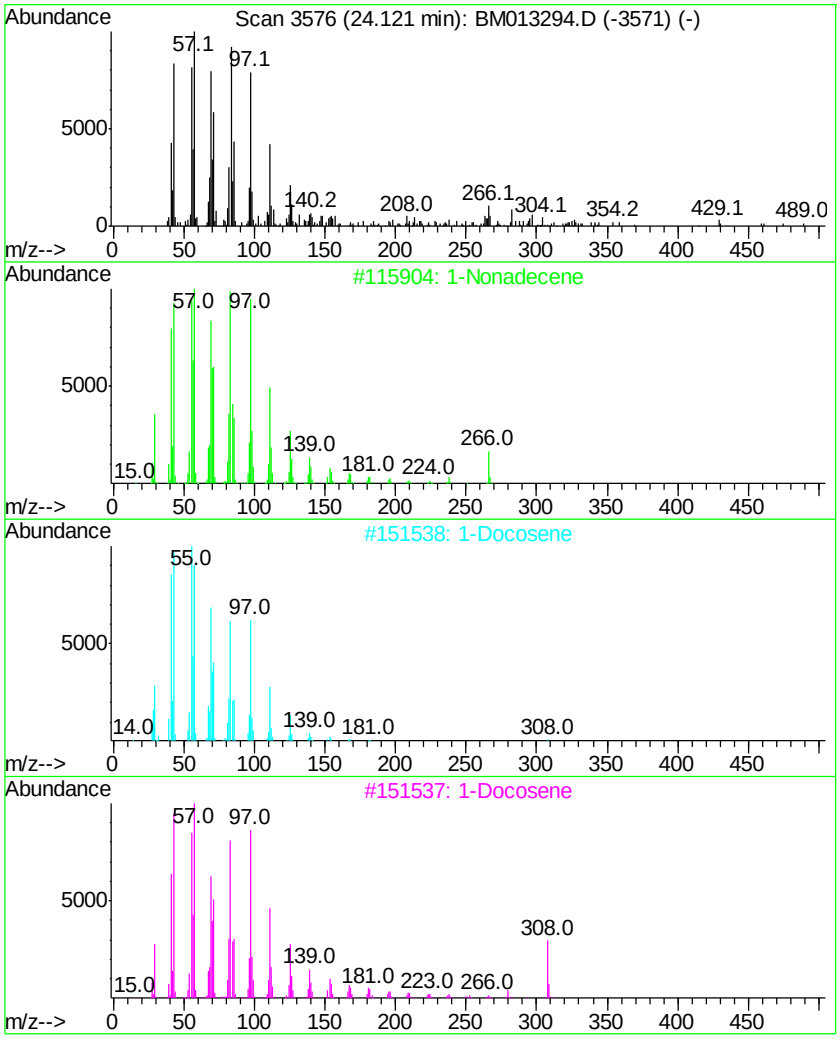
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

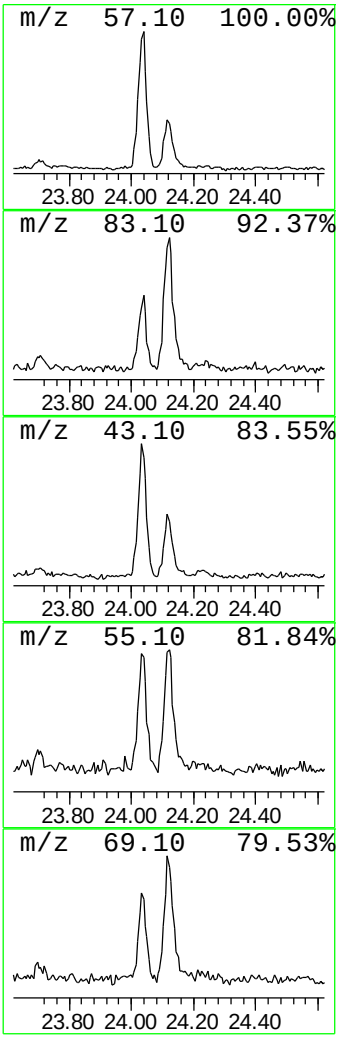
****

Peak Number 11 (DEL) Alkane: Cyclic24.12 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.12	4.23 ng/ul	696286	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	91
2	1-Docosene	308	C22H44	001599-67-3	89
3	1-Docosene	308	C22H44	001599-67-3	89
4	Octacosanol	410	C28H58O	000557-61-9	86
5	1-Octadecene	252	C18H36	000112-88-9	86





Tentatively Identified Compound (LSC) summary

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Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
(DEL) Alkane: Str...	16.06	2.6	ng/ul	464000	4	17.08	3631040	20.0
Cyclopenta(def)ph...	19.02	3.7	ng/ul	664658	4	17.08	3631040	20.0
11H-Benzo[b]fluorene	19.83	2.3	ng/ul	844982	5	21.27	7234840	20.0
Pyrene, 1-methyl-	19.98	3.5	ng/ul	1255150	5	21.27	7234840	20.0
unknown-01	20.99	4.8	ng/ul	1734380	5	21.27	7234840	20.0
Benz[a]anthracene...	21.87	2.6	ng/ul	955904	5	21.27	7234840	20.0
(DEL) Alkane: Str...	24.04	7.2	ng/ul	1179070	6	23.50	3289940	20.0
(DEL) Alkane: Cyc...	24.12	4.2	ng/ul	696286	6	23.50	3289940	20.0