LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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	6.763	638	642	655	rBV4	48226	121383	2.99%	0.256%
2	6.922	665	669	676	rBV2	43824	75450	1.86%	0.159%
3	7.110	693	701	709	rBV2	76456	138777	3.42%	0.293%
4	7.569	769	779	788	rBV	389098	691507	17.04%	1.460%
5	8.298	897	903	912	rBV3	60290	152715	3.76%	0.322%
6	8.734	972	977	982	rBV2	61971	134834	3.32%	0.285%
7	9.451	1089	1099	1107	rBV6	59687	135294	3.33%	0.286%
8	9.998	1182	1192	1205	rBV5	62064	201859	4.97%	0.426%
9	10.340	1240	1250	1254	rBV	573597	1038382	25.58%	2.192%
10	10.392	1254	1259	1273	rVB	749376	1315938	32.42%	2.778%
11	10.510	1273	1279	1286	rBV8	59265	132937	3.28%	0.281%
12	11.357	1418	1423	1429	rBV2	51087	81219	2.00%	0.171%
13	11.769	1484	1493	1500	rBV2	118150	211836	5.22%	0.447%
14	11.904	1506	1516	1521	rBV8	34779	69416	1.71%	0.147%
15	12.010	1525	1534	1547	rBV	849958	1468557	36.18%	3.100%
16	12.233	1564	1572	1582	rBV	399040	714439	17.60%	1.508%
17	12.745	1654	1659	1663	rVB2	58282	80682	1.99%	0.170%
18	13.039	1704	1709	1717	rBV2	331376	568673	14.01%	1.200%
19	13.245	1739	1744	1747	rBV2	75953	115209	2.84%	0.243%
20	13.380	1757	1767	1768	rBV	132393	195153	4.81%	0.412%
21	13.539	1787	1794	1799	rBV2	181479	348763	8.59%	0.736%
22	13.592	1799	1803	1806	rVV	122867	182398	4.49%	0.385%
23	13.639	1806	1811	1816	rVV	185046	316130	7.79%	0.667%
24	13.698	1816	1821	1826	rVB3	167168	283882	6.99%	0.599%
25	13.810	1838	1840	1850	rVB8	39917	62187	1.53%	0.131%
26	13.910	1852	1857	1861	rBV	238686	363376	8.95%	0.767%
27	14.128	1887	1894	1899	rBV	331784	466755	11.50%	0.985%
28	14.222	1899	1910	1916	rVV4	842343	1639497	40.39%	3.461%
29	14.286	1916	1921	1932	rVV	568602	929989	22.91%	1.963%
30	14.439	1942	1947	1954	rVV5	29898	74829	1.84%	0.158%
31	14.533	1954	1963	1967	rVV7	36296	99570	2.45%	0.210%
32	14.627	1974	1979	1987	rVV	641207	1024118	25.23%	2.162%
33	14.704	1988	1992	1996	rVV2	48580	79519	1.96%	0.168%
34	14.751	1996	2000	2005	rVB5	85756	128694	3.17%	0.272%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

35	14.845	2008	2016	2023	rBV6	55967	134160	3.31%	0.283%
36	15.004	2038	2043	2049	rBV9	34344	88520	2.18%	0.187%
37	15.086	2052	2057	2062	rVB	435465	559522	13.78%	1.181%
38	15.169	2065	2071	2075	rBV8	29186	69814	1.72%	0.147%
39	15.222	2075	2080	2084	rBV	308710	413442	10.19%	0.873%
40	15.274	2084	2089	2102	rVB	659134	1036774	25.54%	2.189%
41	15.374	2102	2106	2108	rBV4	65670	92062	2.27%	0.194%
42	15.439	2114	2117	2121	rBV3	74788	84906	2.09%	0.179%
43	15.492	2121	2126	2130	rVV	141302	198362	4.89%	0.419%
44	15.574	2136	2140	2148	rVB	172169	300639	7.41%	0.635%
45	15.645	2148	2152	2155	rBV2	56220	76189	1.88%	0.161%
46	15.692	2156	2160	2163	rBV	193981	286777	7.06%	0.605%
47	15.722	2163	2165	2173	rVB	134375	245622	6.05%	0.519%
48	15.951	2199	2204	2212	rBV	603705	1226496	30.22%	2.589%
49	16.016	2212	2215	2220	rVB2	106693	151047	3.72%	0.319%
50	16.286	2255	2261	2265	rBV3	107057	184246	4.54%	0.389%
51	16.345	2265	2271	2277	rVB5	45047	108276	2.67%	0.229%
52	16.521	2293	2301	2303	rBV7	69293	117978	2.91%	0.249%
53	16.557	2303	2307	2310	rVB4	61130	85266	2.10%	0.180%
54	16.639	2317	2321	2329	rVB7	88046	156892	3.87%	0.331%
55	16.739	2329	2338	2343	rVV2	545649	826647	20.37%	1.745%
56	16.792	2343	2347	2359	rVB2	309411	539417	13.29%	1.139%
57	16.880	2359	2362	2367	rBV6	35712	59657	1.47%	0.126%
58	16.974	2372	2378	2382	rBV	1106138	1711514	42.16%	3.613%
59	17.021	2382	2386	2391	rVV	2996074	4059138	100.00%	8.569%
60	17.074	2391	2395	2398	rVV	369212	574061	14.14%	1.212%
61	17.110	2398	2401	2408	rVV	441485	643615	15.86%	1.359%
62	17.204	2413	2417	2424	rVB4	70800	137383	3.38%	0.290%
63	17.398	2444	2450	2458	rBV7	105965	233873	5.76%	0.494%
64	17.480	2460	2464	2471	rVV2	547069	734036	18.08%	1.550%
65	17.563	2475	2478	2486	rVB8	47034	104388	2.57%	0.220%
66	17.763	2508	2512	2520	rBV8	34177	80567	1.98%	0.170%
67	17.851	2522	2527	2531	rVV	232439	346380	8.53%	0.731%
68	17.898	2531	2535	2542	rVB	290235	506771	12.48%	1.070%
69	17.986	2546	2550	2554	rVV2	96196	158479	3.90%	0.335%
70	18.051	2556	2561	2565	rVV3	321223	582083	14.34%	1.229%
71	18.080	2565	2566	2578	rVB2	119554	172681	4.25%	0.365%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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	18.174	2578	2582	2586	rBV	501703	598747	14.75%	1.264%
73	18.363	2609	2614	2622	rBV	165819	249331	6.14%	0.526%
74	18.780	2681	2685	2687	rBV3	48063	64429	1.59%	0.136%
75	18.815	2687	2691	2699	rVB	460527	558783	13.77%	1.180%
76	19.045	2724	2730	2736	rBV	1986741	2656720	65.45%	5.608%
77	19.110	2737	2741	2745	rVB6	43730	70426	1.73%	0.149%
78	19.151	2745	2748	2752	rBV6	37051	66694	1.64%	0.141%
79	19.380	2781	2787	2788	rBV2	794822	965150	23.78%	2.037%
80	19.404	2788	2791	2801	rVV	1393244	2234559	55.05%	4.717%
81	19.492	2802	2806	2812	rVB2	65672	103430	2.55%	0.218%
82	19.598	2820	2824	2828	rVB	87460	120481	2.97%	0.254%
83	19.739	2844	2848	2855	rVB7	79981	189663	4.67%	0.400%
84	19.874	2867	2871	2873	rBV4	53454	73911	1.82%	0.156%
85	19.909	2874	2877	2879	rVV	172531	235251	5.80%	0.497%
86	19.933	2879	2881	2886	rVB	363553	413173	10.18%	0.872%
87	20.015	2891	2895	2899	rVB	158378	209630	5.16%	0.443%
88	20.068	2899	2904	2908	rBV3	89862	137642	3.39%	0.291%
89	20.257	2933	2936	2941	rVV6	52430	67959	1.67%	0.143%
90	20.433	2962	2966	2971	rBV	321159	373579	9.20%	0.789%
91	20.868	3037	3040	3042	rVV3	76355	92739	2.28%	0.196%
92	20.898	3042	3045	3056	rVB3	284494	392594	9.67%	0.829%
93	21.180	3086	3093	3097	rBV2	1676176	2602684	64.12%	5.494%
94	21.215	3097	3099	3108	rVB	269049	369761	9.11%	0.781%
95	21.333	3116	3119	3126	rVB	259346	298659	7.36%	0.630%
96	21.762	3189	3192	3200	rVB3	164284	224202	5.52%	0.473%
97	22.209	3265	3268	3272	rVB2	126372	155268	3.83%	0.328%
98	22.709	3348	3353	3359	rBV3	120924	338081	8.33%	0.714%
99	23.227	3436	3441	3454	rVB3	370191	890854	21.95%	1.881%
100	23.362	3458	3464	3472	rVB2	1017387	1885492	46.45%	3.980%

Sum of corrected areas: 47371539

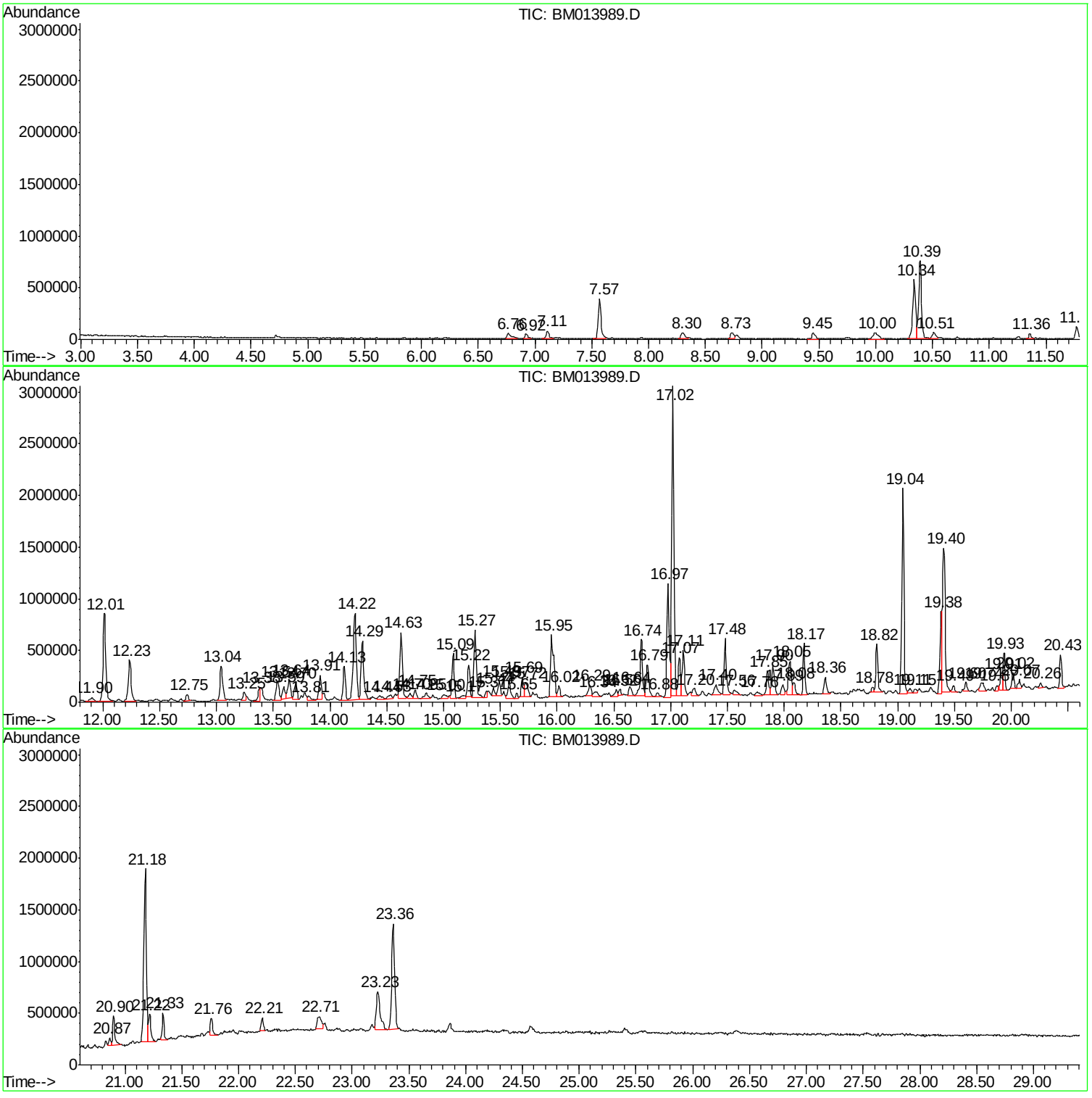
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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 : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

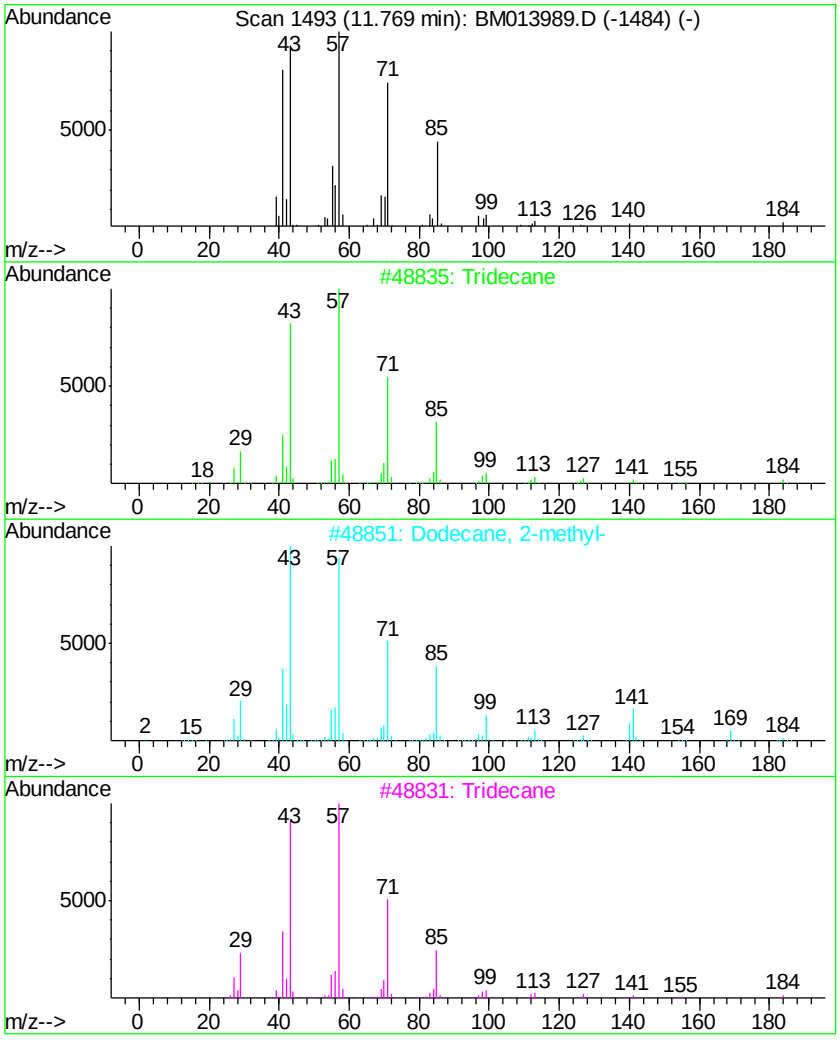
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

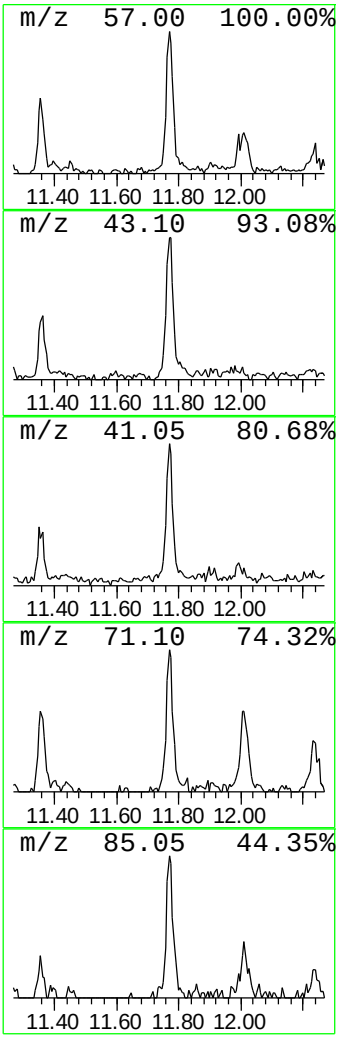
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.08 ng/ul	211836	Naphthalene-d8	10.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
3	Tridecane	184	C13H28	000629-50-5	80
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	78
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

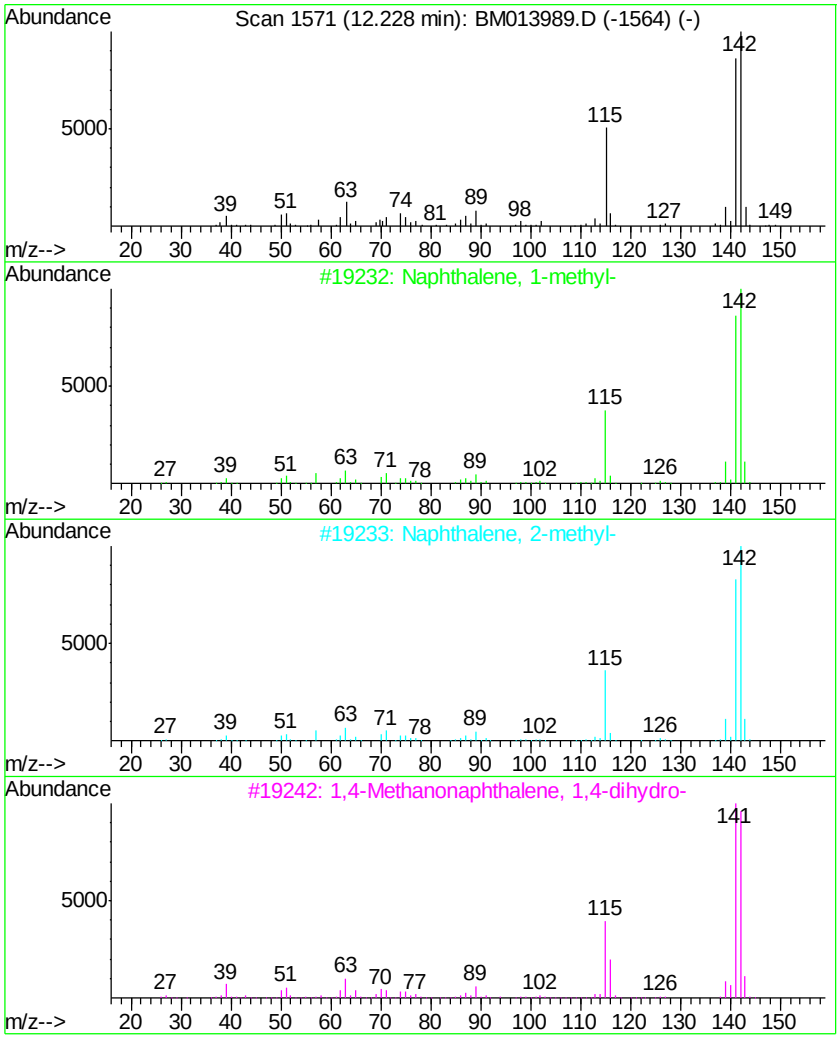
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

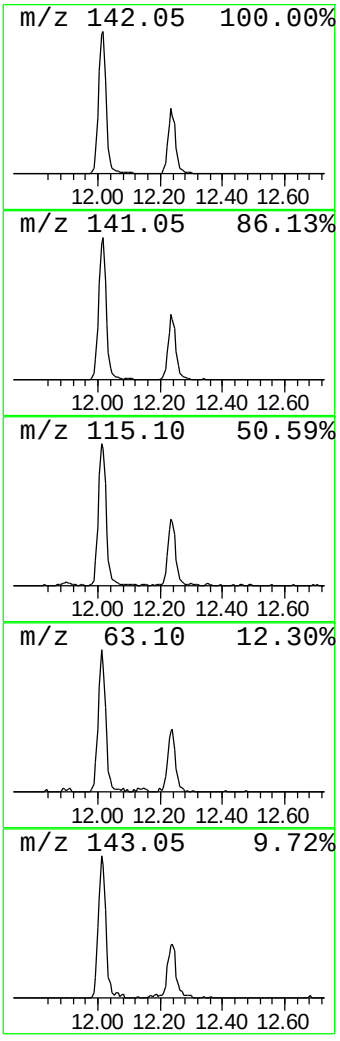
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	13.76 ng/ul	714439	Naphthalene-d8	10.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

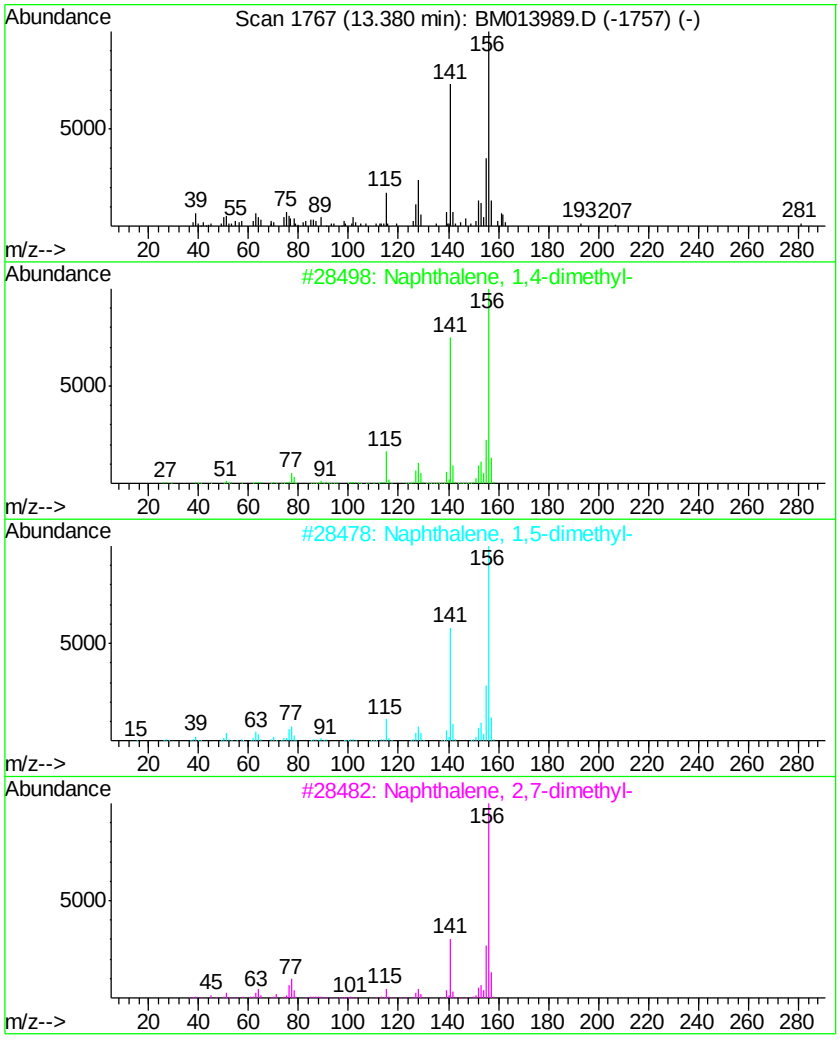
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

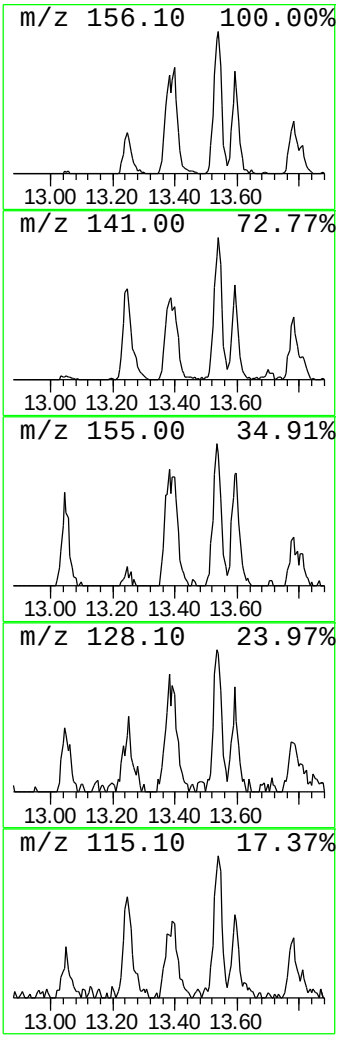
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.38 ng/ul	195153	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

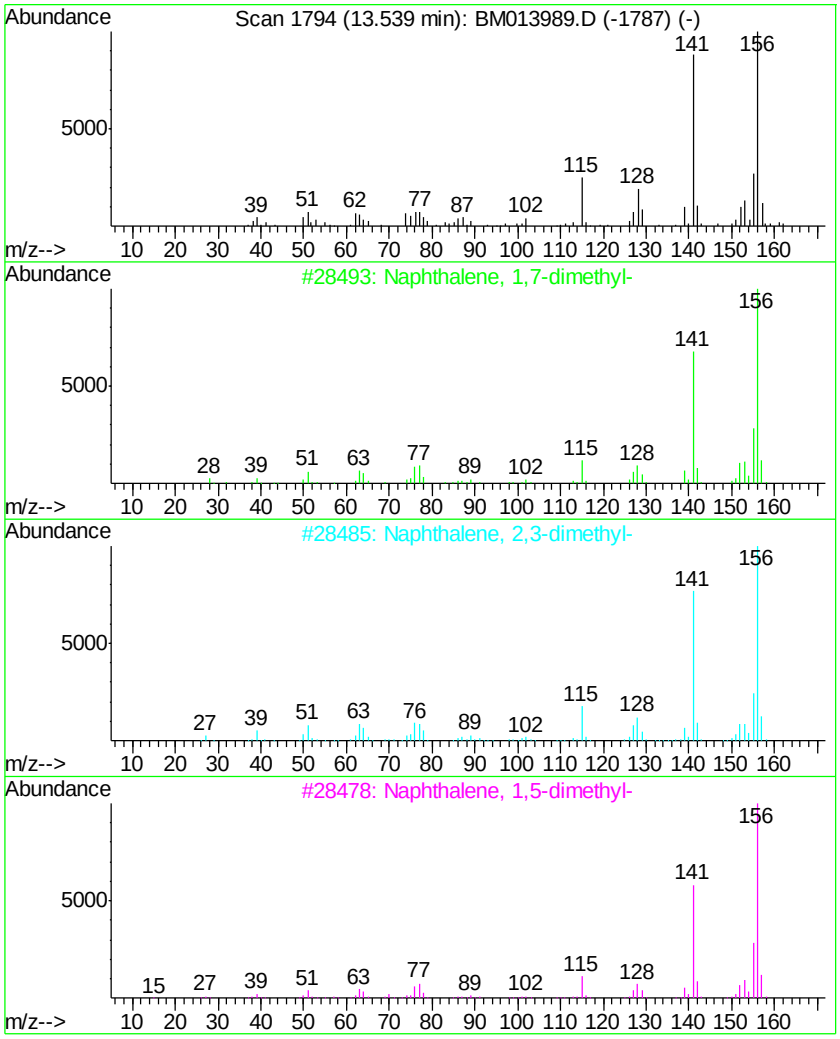
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

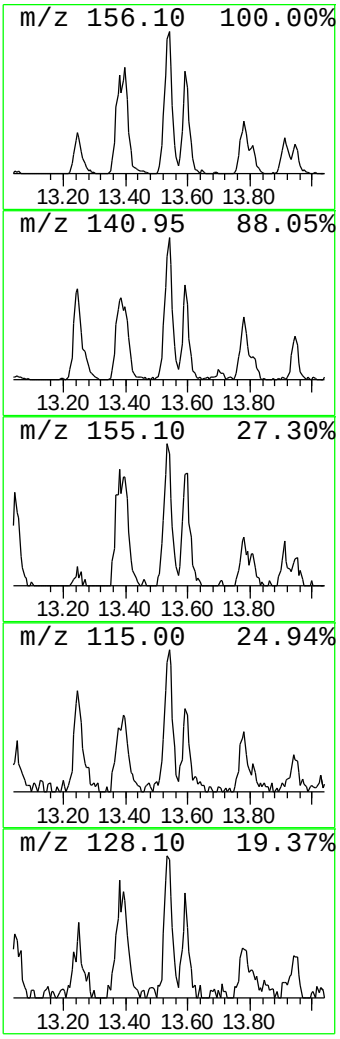
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	4.25 ng/ul	348763	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

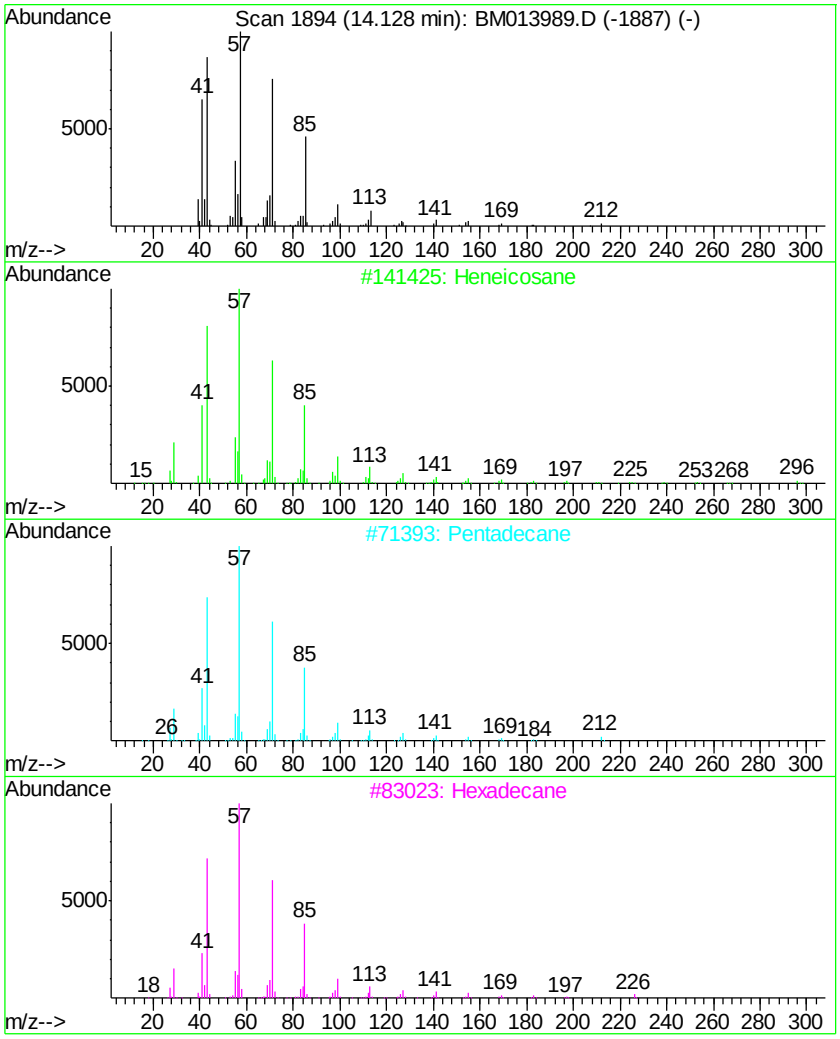
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

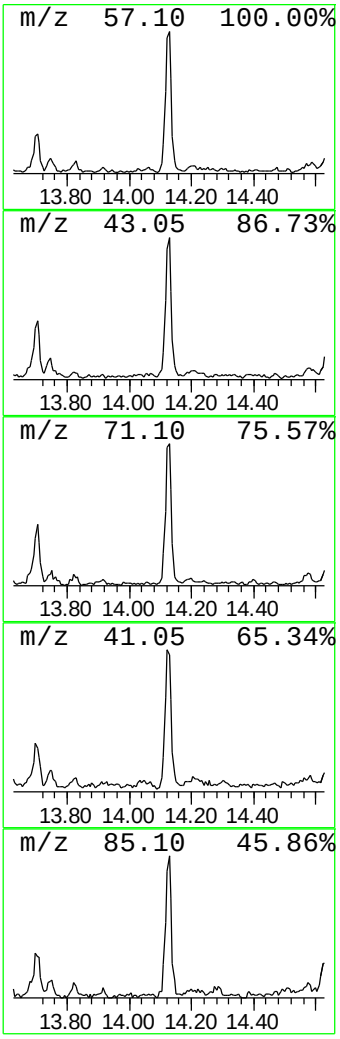
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	5.69 ng/ul	466755	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Pentadecane	212	C15H32	000629-62-9	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	2,3-Dimethyldodecane	198	C14H30	006117-98-2	78
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	78





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Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

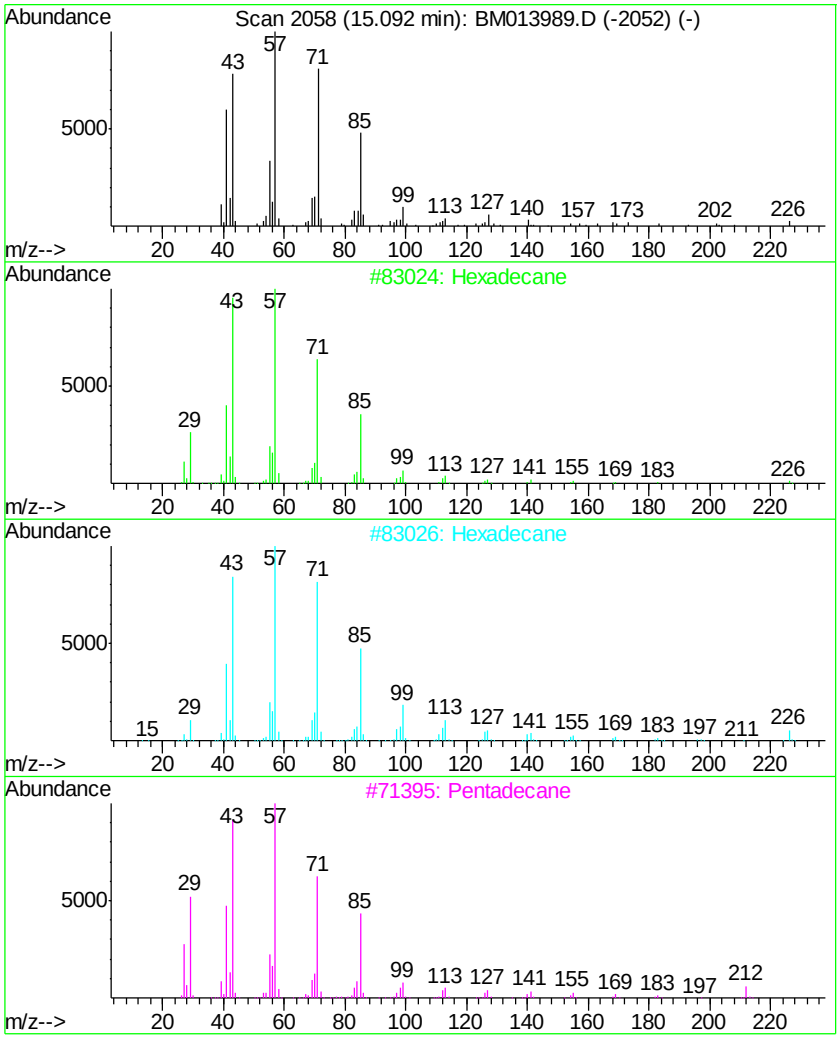
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

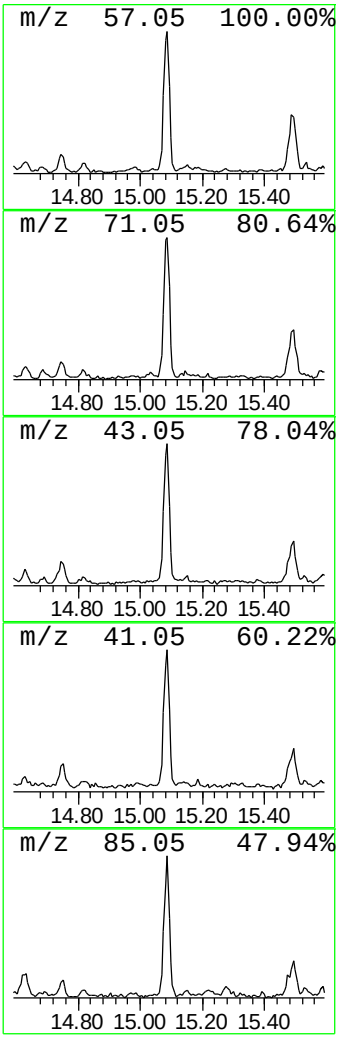
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	6.83 ng/ul	559522	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	90





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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

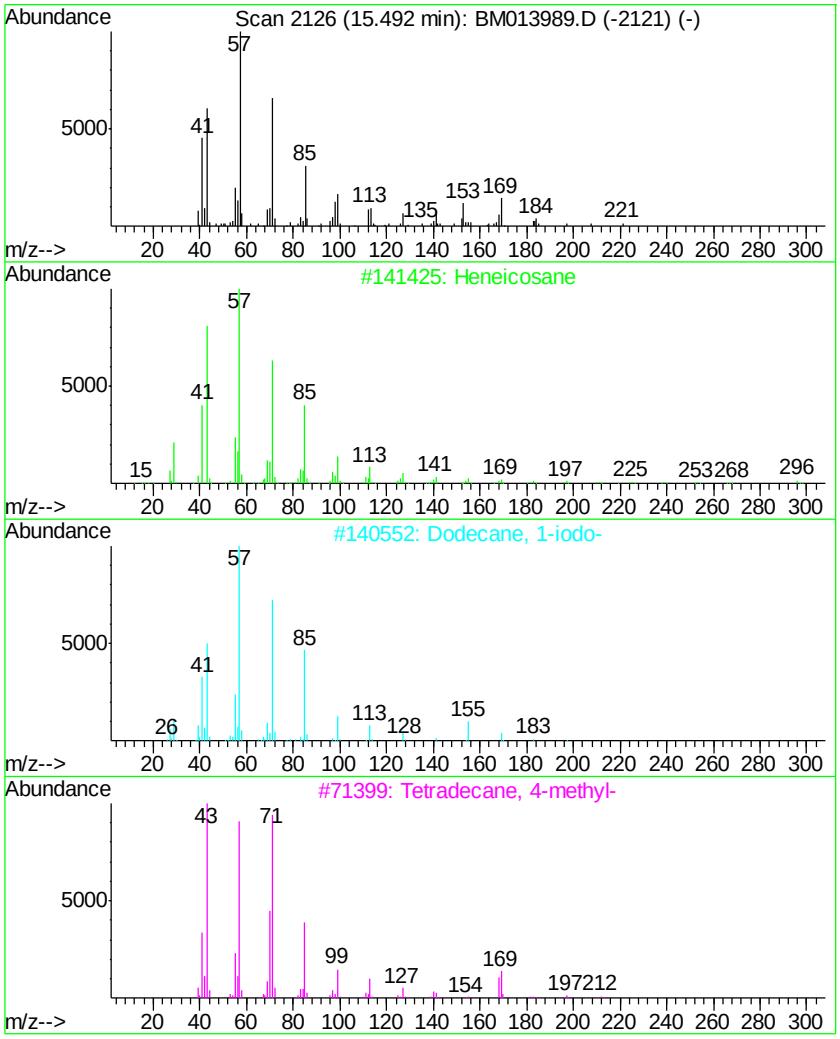
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

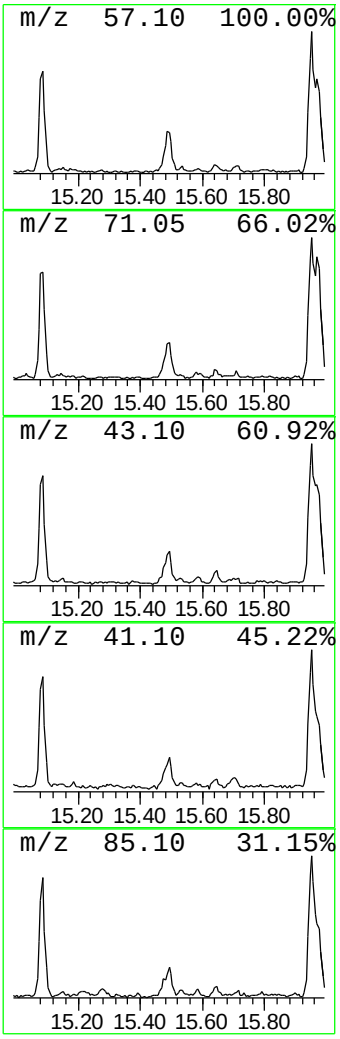
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	2.42 ng/ul	198362	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	64
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	58
4	Tridecane	184	C13H28	000629-50-5	58
5	Tridecane	184	C13H28	000629-50-5	58





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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

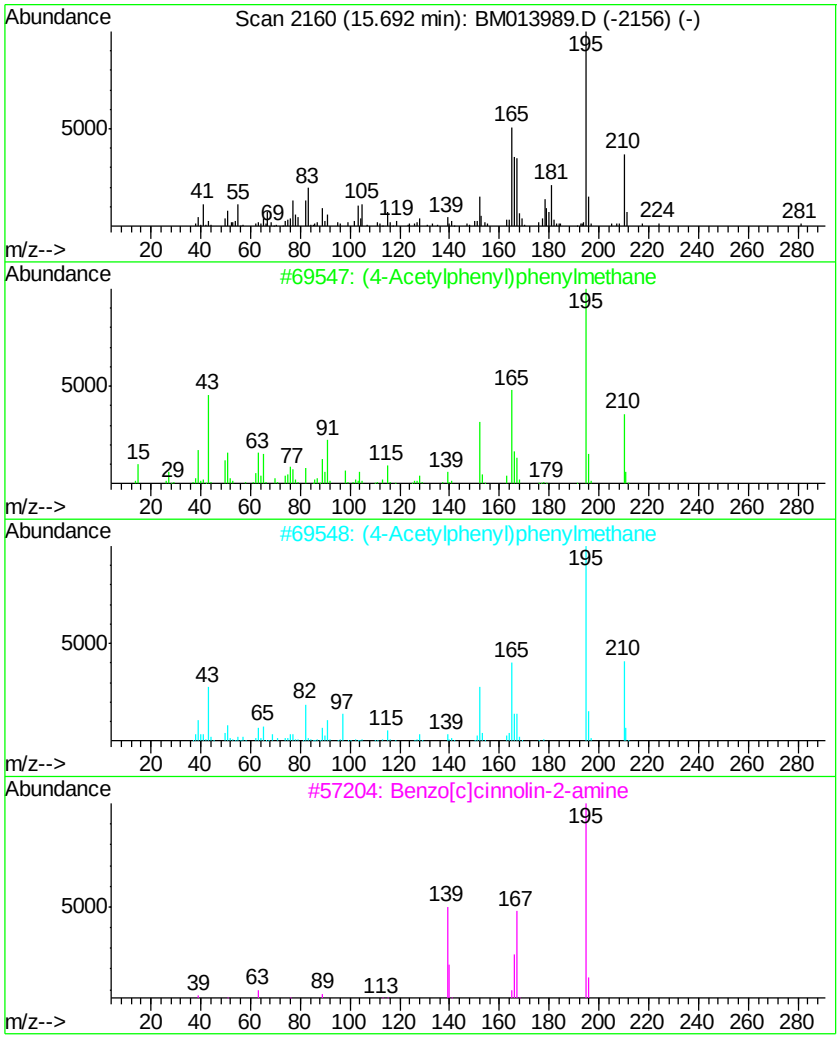
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

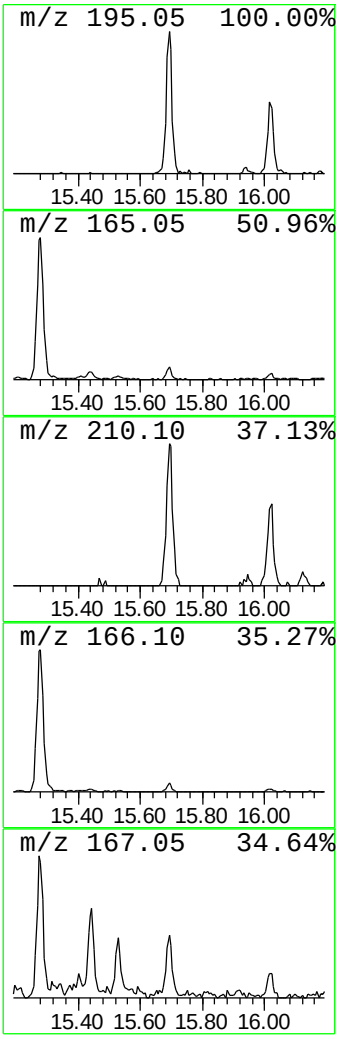
****

Peak Number 9 (4-Acetylphenyl)phenylmethane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	3.35 ng/ul	286777	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	86
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	62
3	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	46
4	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	43
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	43





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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

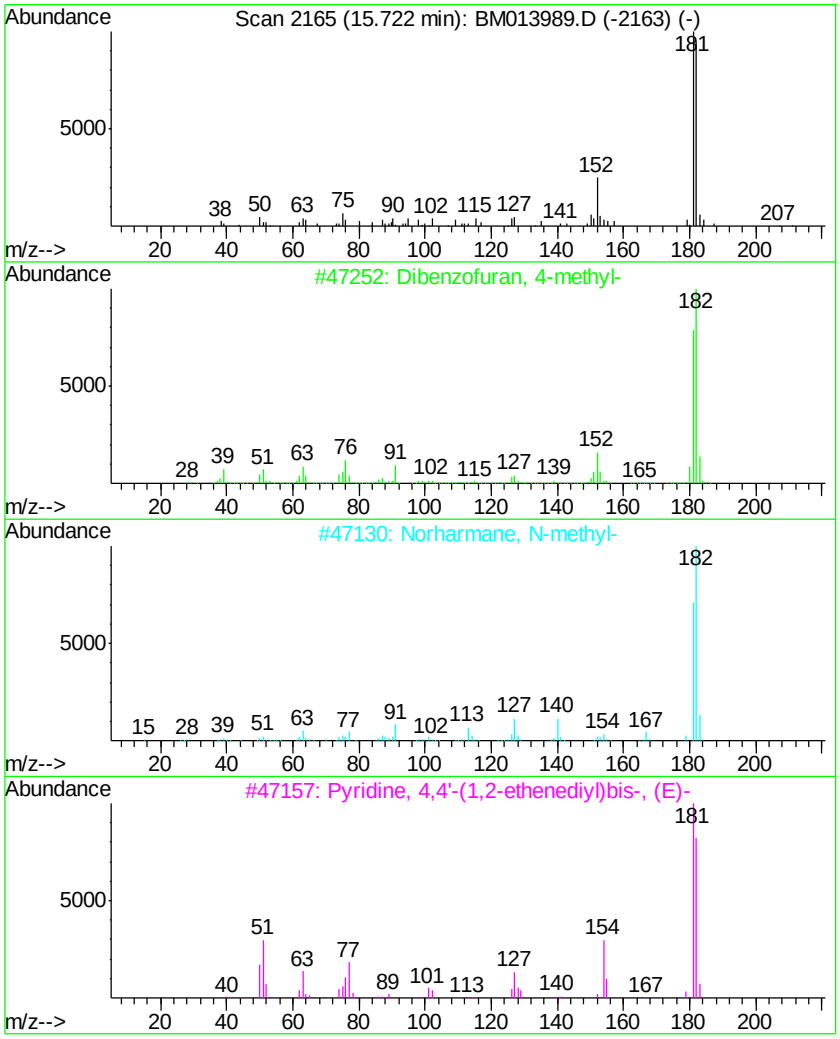
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

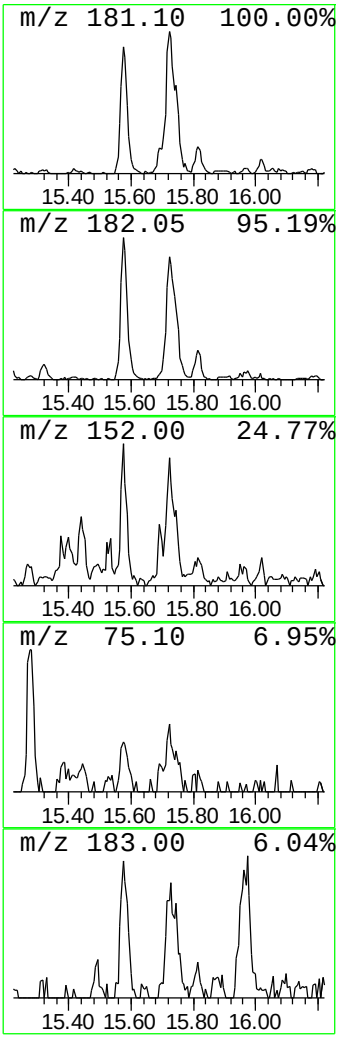
****

Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.87 ng/ul	245622	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
2	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64
3	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	59
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	59
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56





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Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

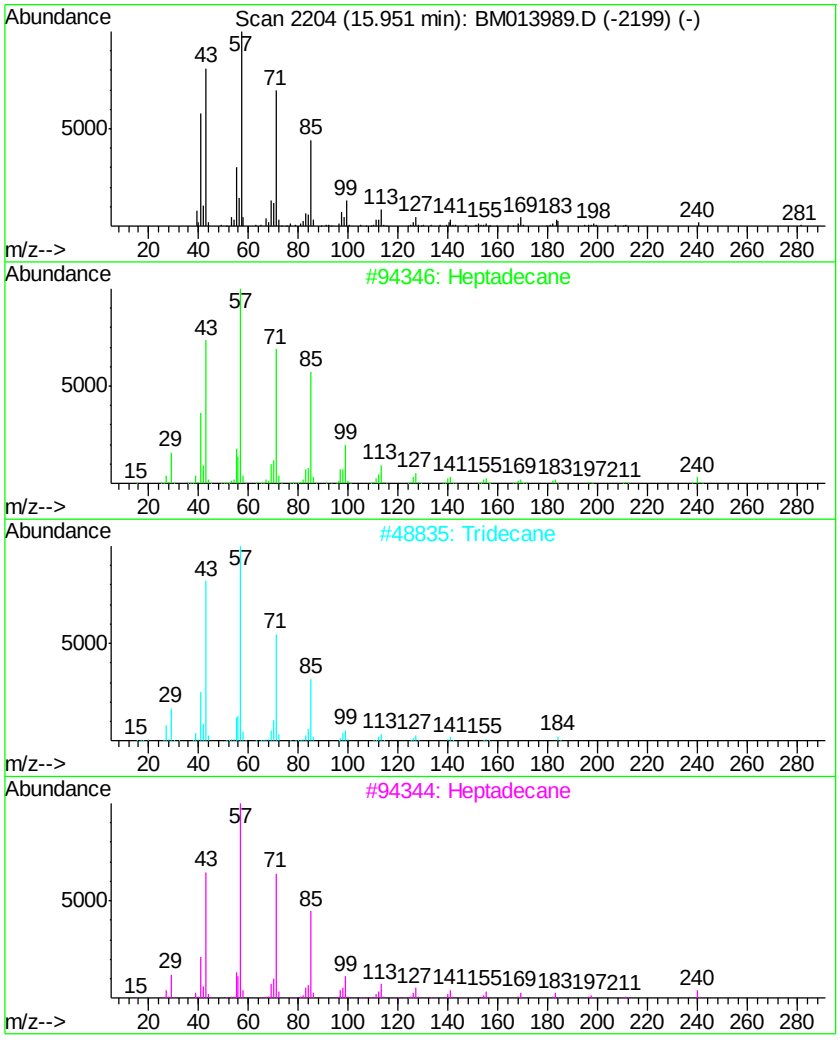
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

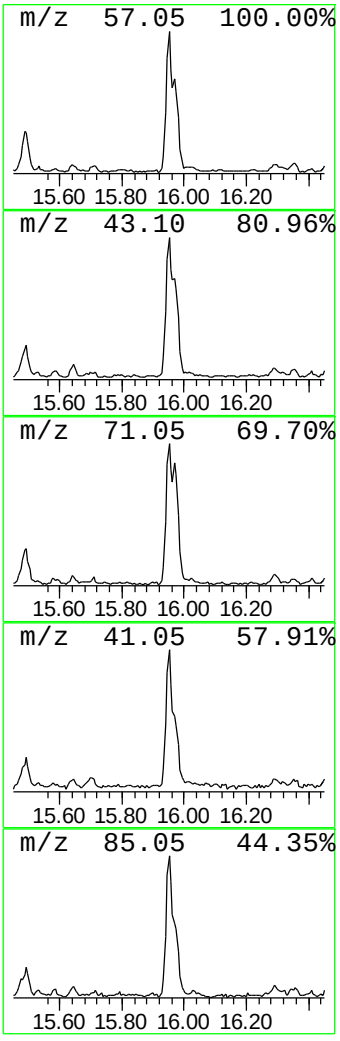
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	14.33 ng/ul	1226500	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Tridecane	184	C13H28	000629-50-5	94
3	Heptadecane	240	C17H36	000629-78-7	91
4	Heneicosane	296	C21H44	000629-94-7	87
5	Octadecane	254	C18H38	000593-45-3	87





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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

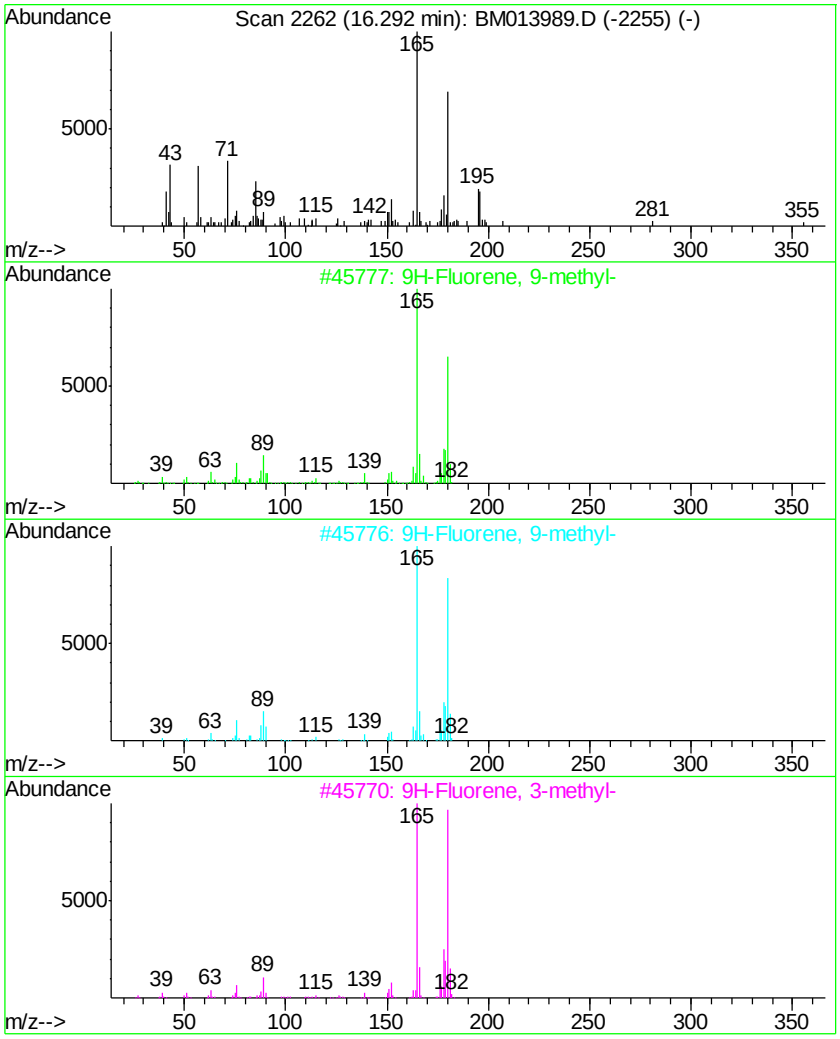
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

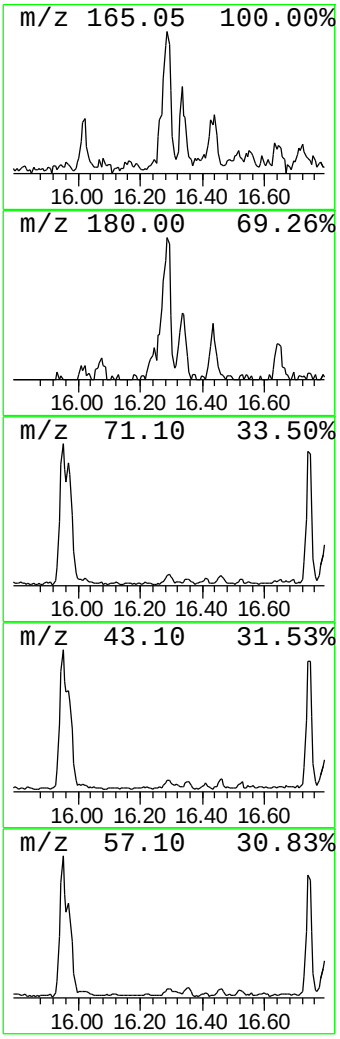
****

Peak Number 12 9H-Fluorene, 9-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.15 ng/ul	184246	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	62





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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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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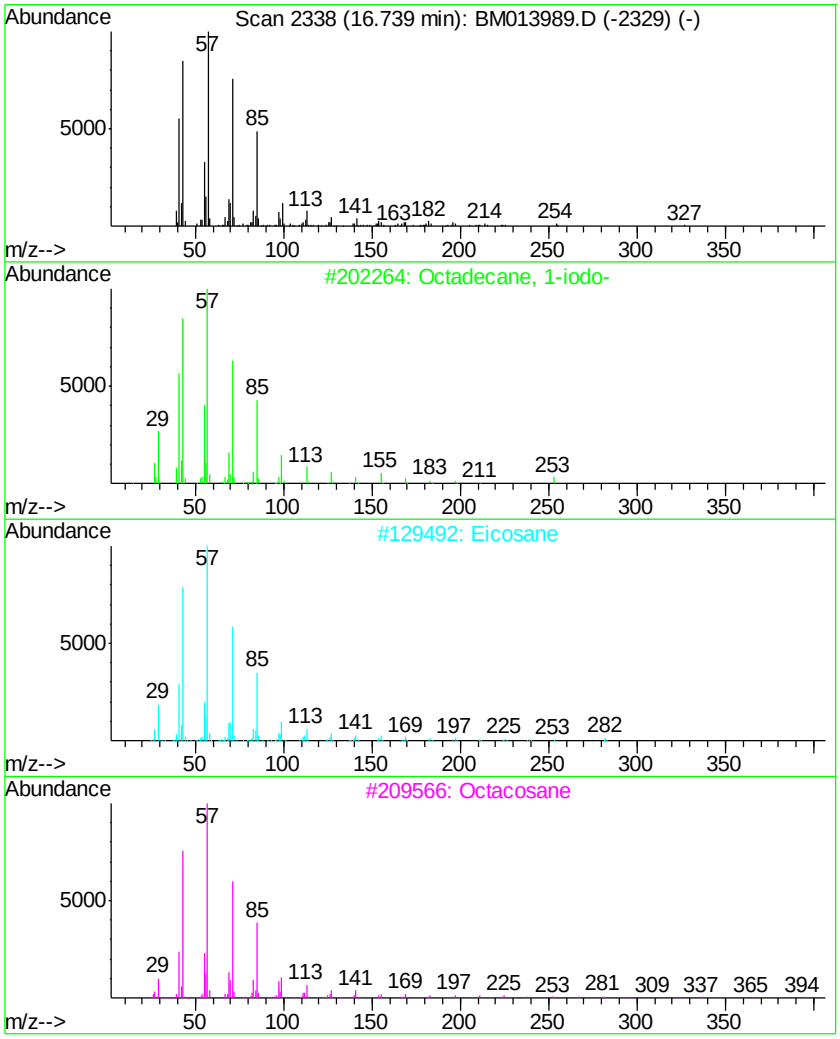
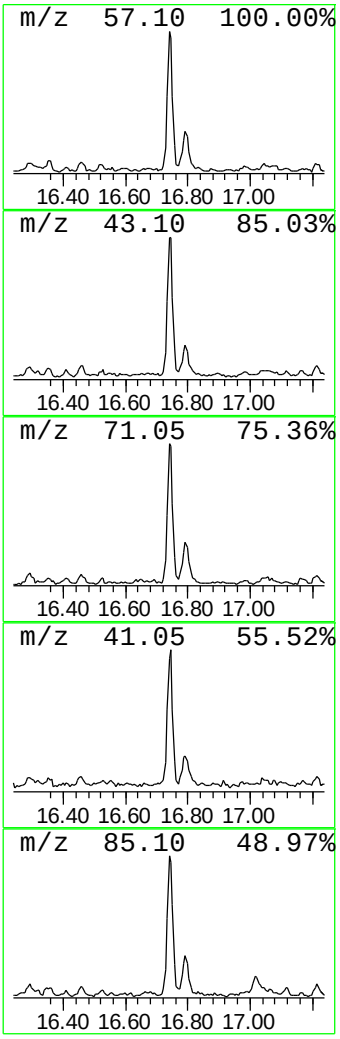
Peak Number 13 Octadecane, 1-iodo- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	9.66 ng/ul	826647	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	91





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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

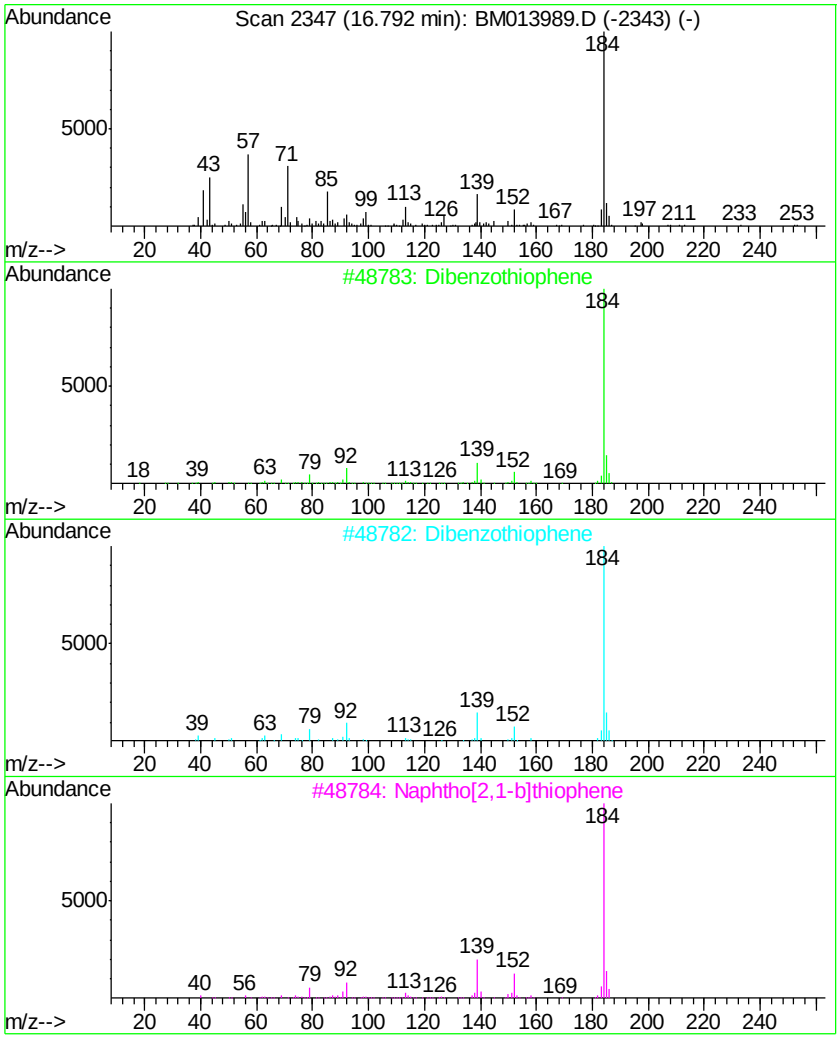
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

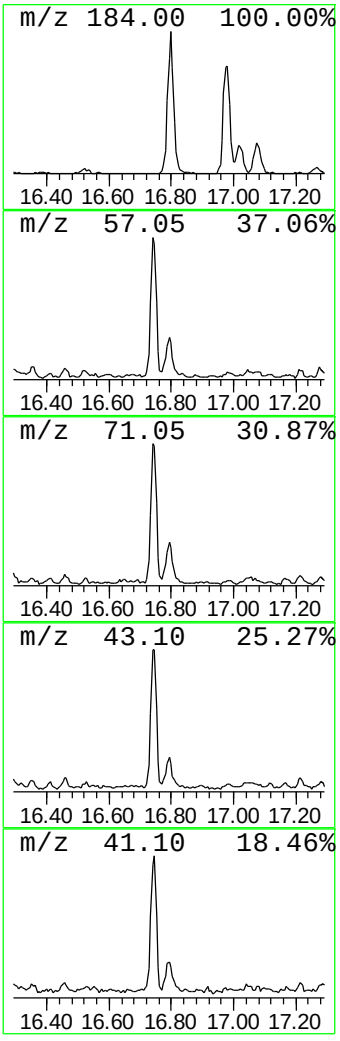
****

Peak Number 14 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	6.30 ng/ul	539417	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	70
2	Dibenzothiophene	184	C12H8S	000132-65-0	64
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	62
4	Dibenzothiophene	184	C12H8S	000132-65-0	62
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	62





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Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

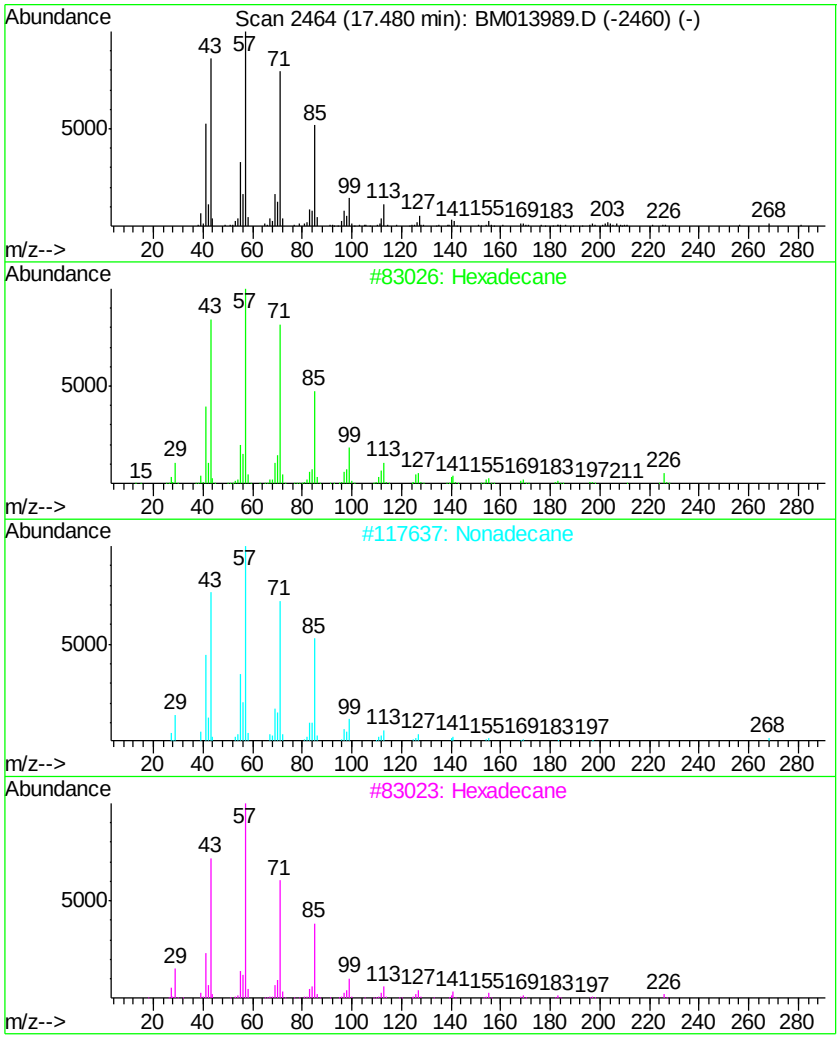
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

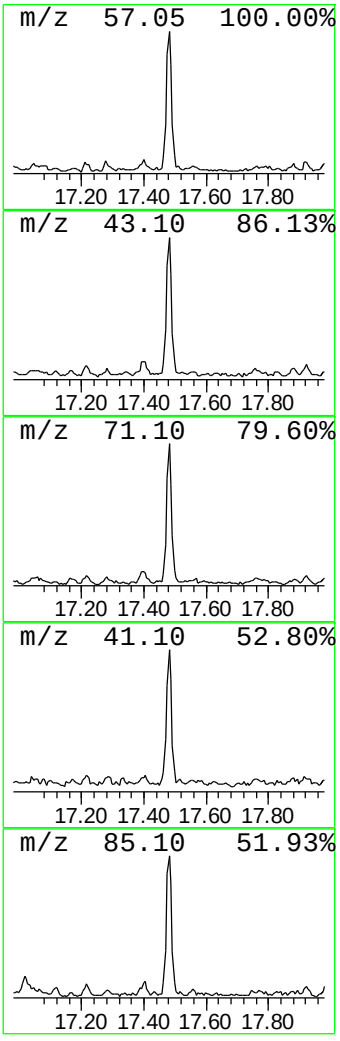
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	8.58 ng/ul	734036	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Nonadecane	268	C19H40	000629-92-5	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Nonadecane	268	C19H40	000629-92-5	90





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Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

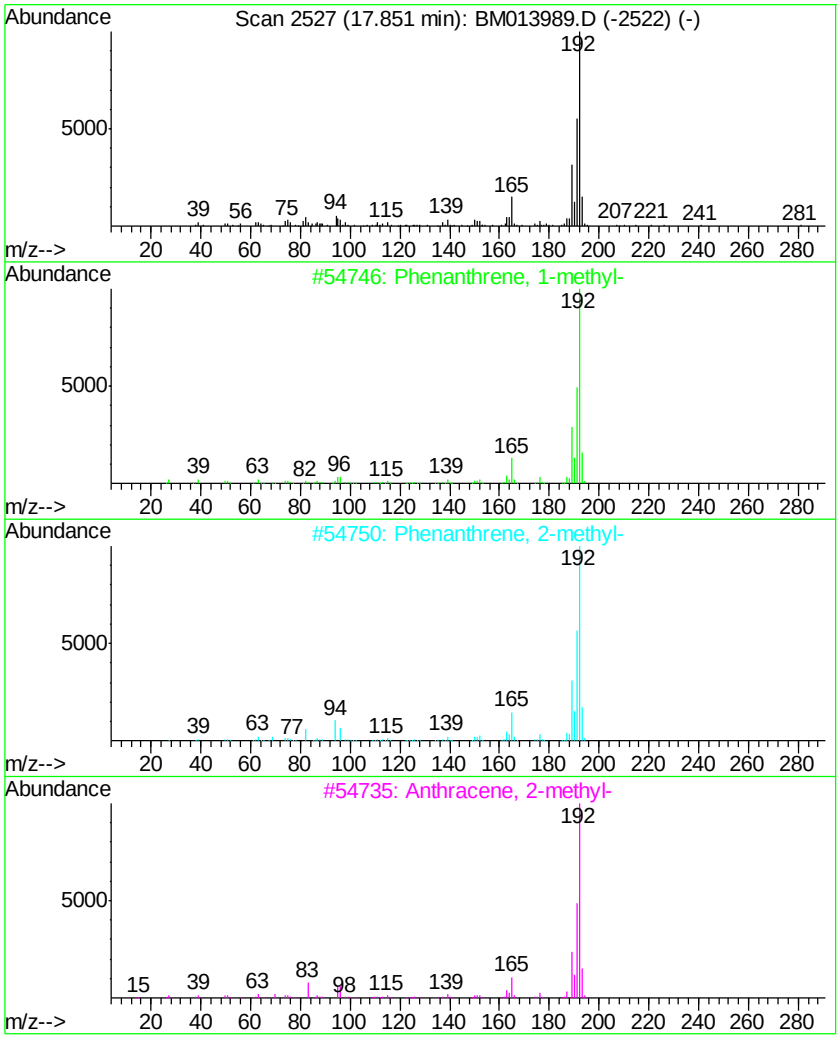
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

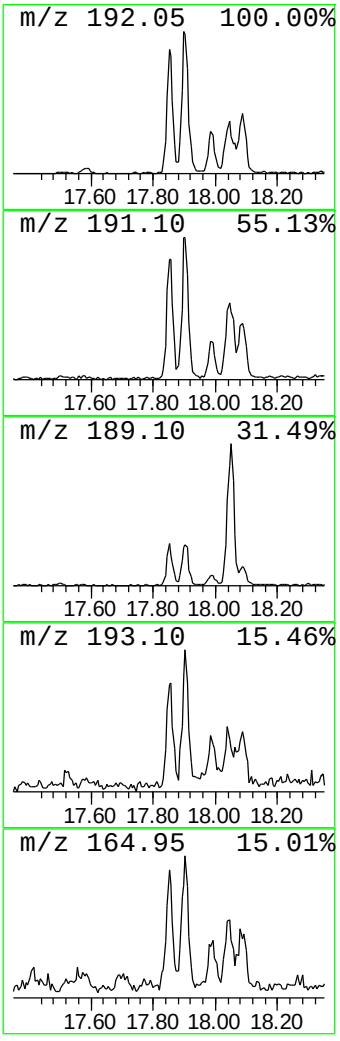
****

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	4.05 ng/ul	346380	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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 17 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	5.92 ng/ul	506771	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
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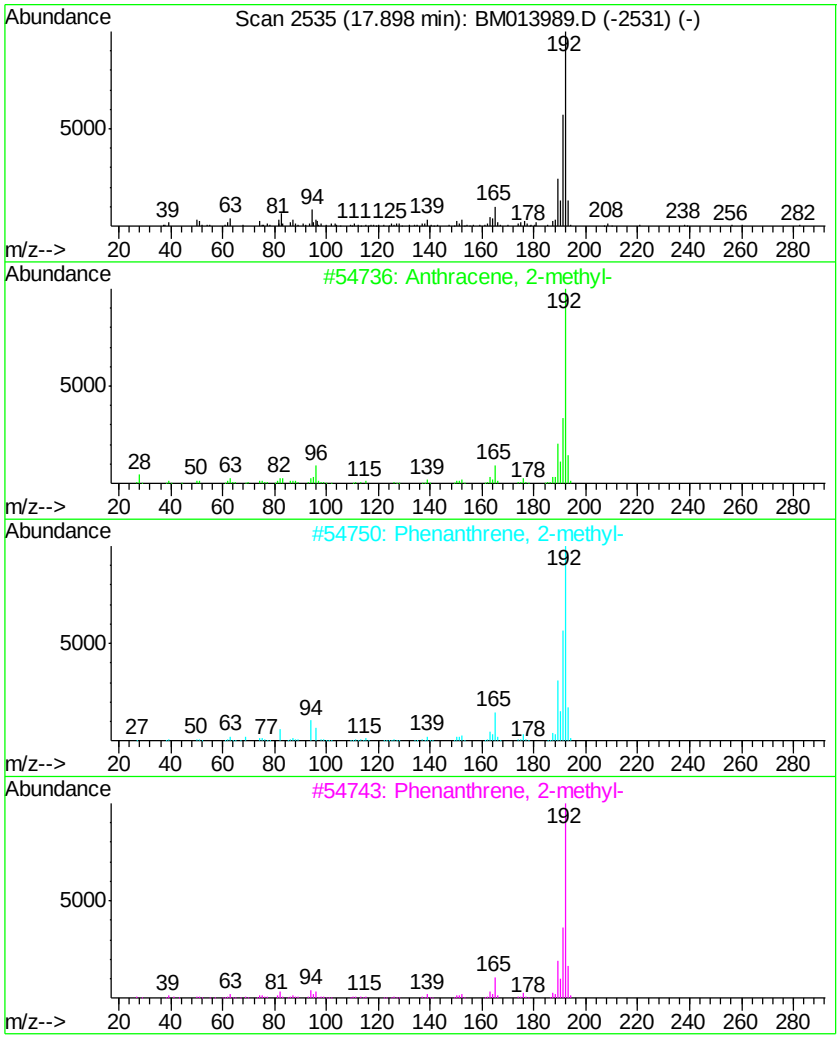

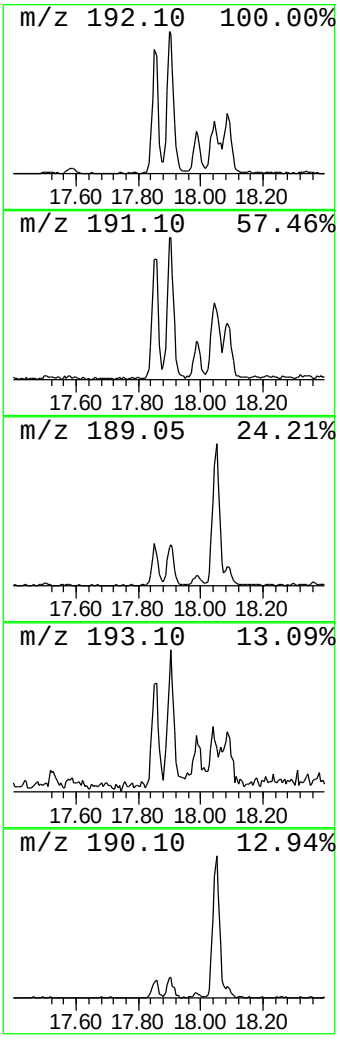

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Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

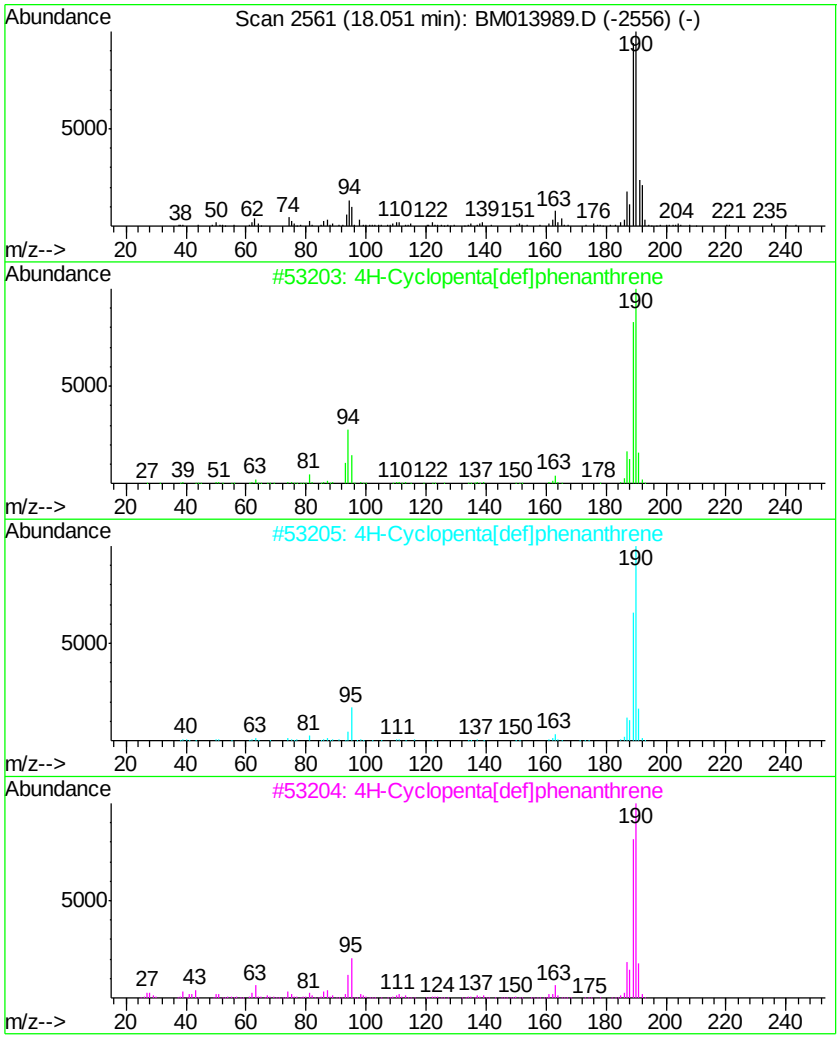
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

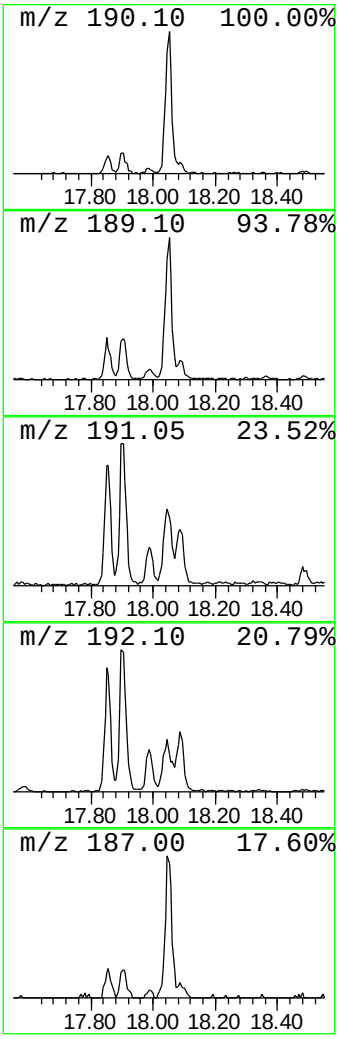
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	6.80 ng/ul	582083	Phenanthrene-d10	16.97

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	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

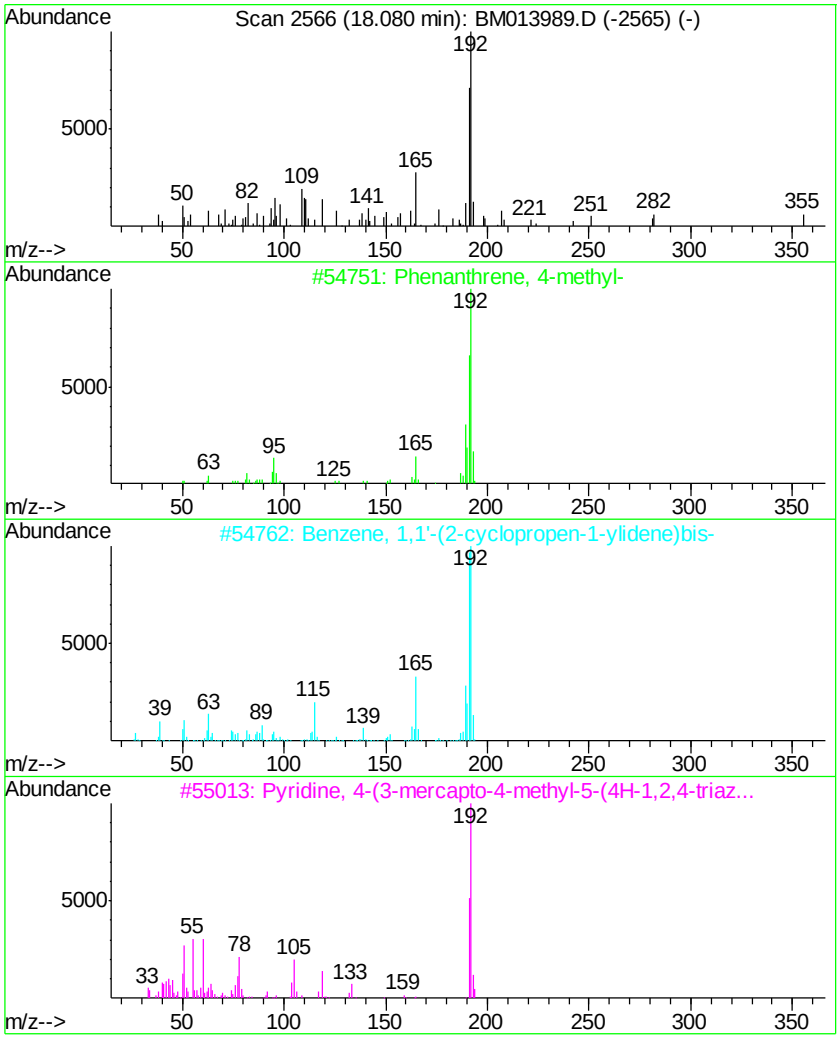
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

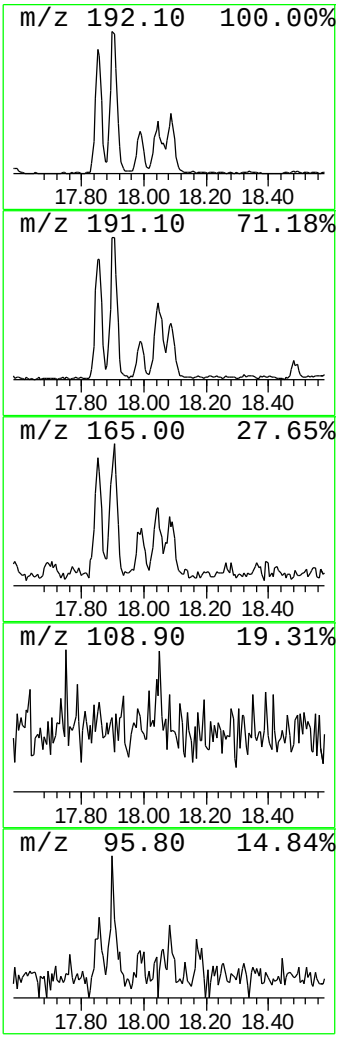
****

Peak Number 19 Phenanthrene, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.02 ng/ul	172681	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
2	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	50
3	Pyridine, 4-(3-mercapto-4-methyl...	192	C8H8N4S	003652-32-2	47
4	2-Hydroxy-4-methyl-6-(2-thienyl)...	192	C9H8N2OS	026963-45-1	47
5	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

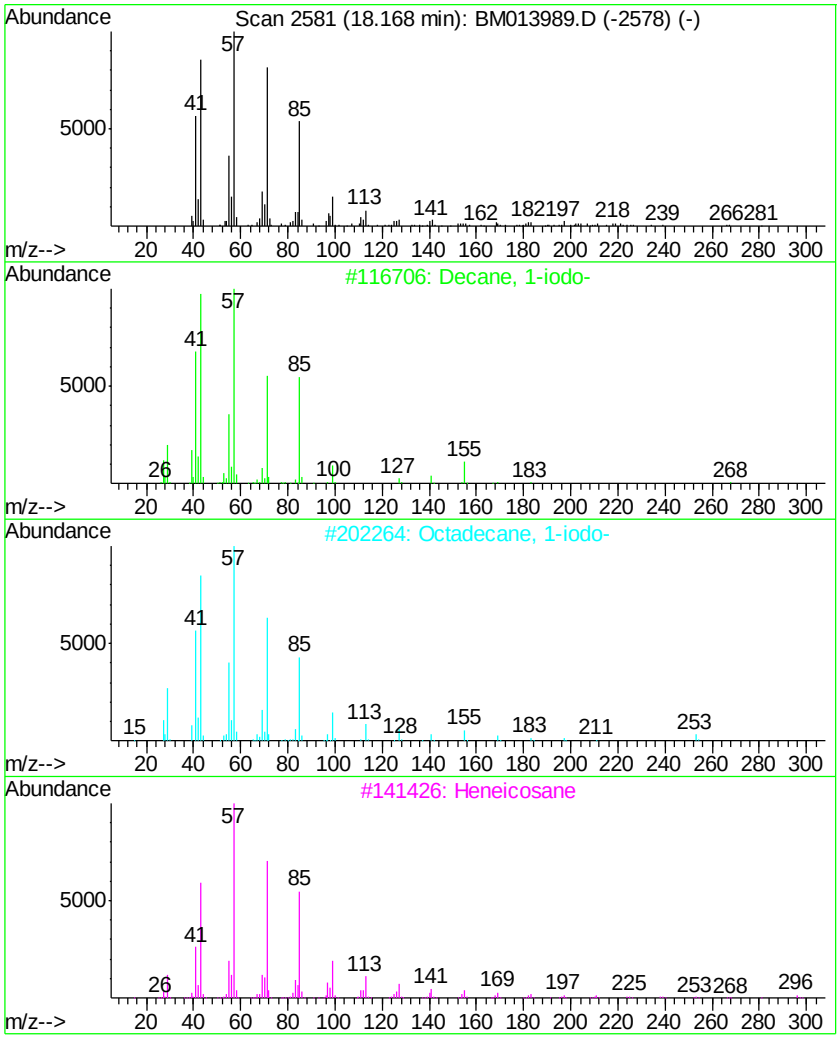
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

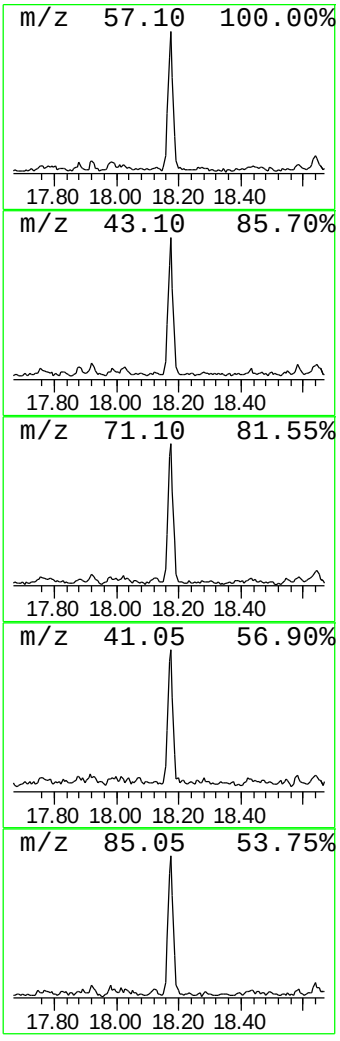
****

Peak Number 20 Decane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	7.00 ng/ul	598747	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1-iodo-	268	C10H21I	002050-77-3	93
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane	240	C17H36	000629-78-7	91
5	Octadecane	254	C18H38	000593-45-3	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

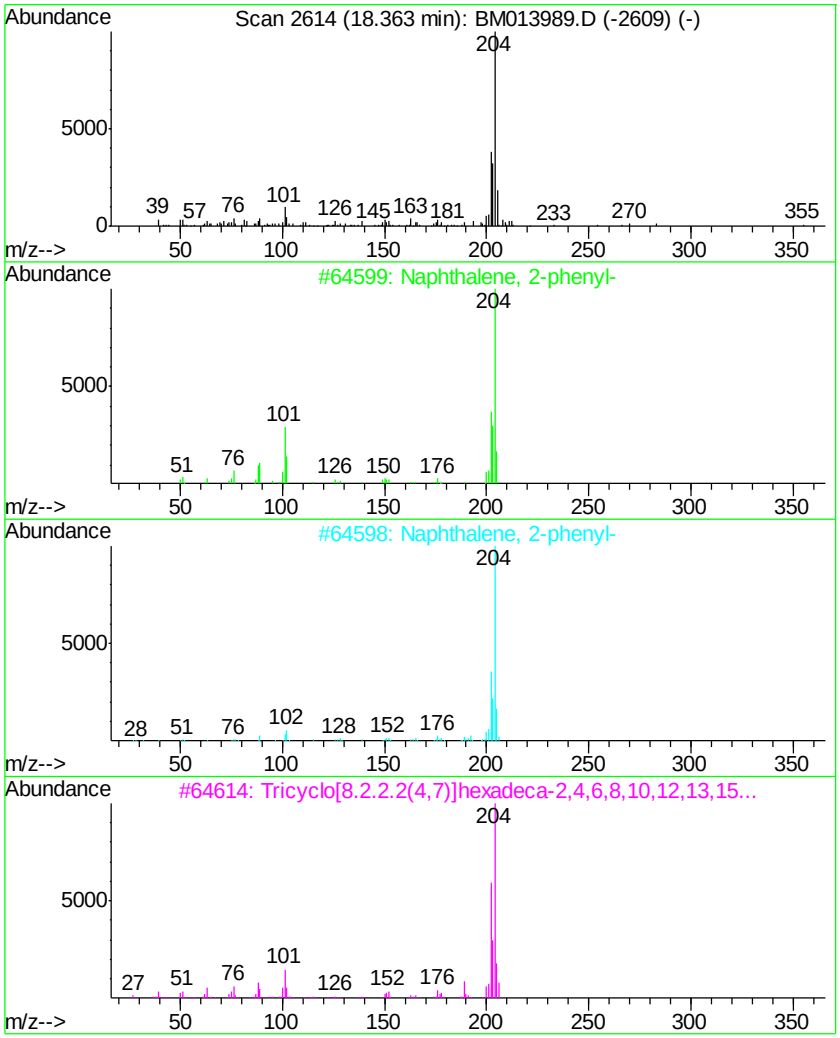
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

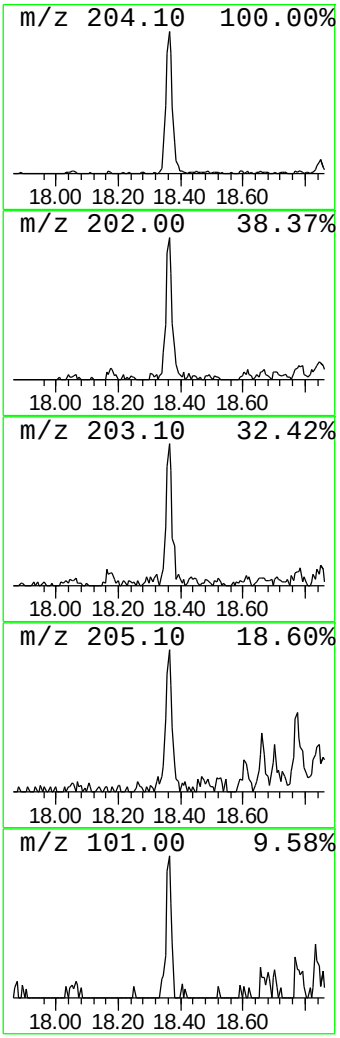
****

Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.91 ng/ul	249331	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

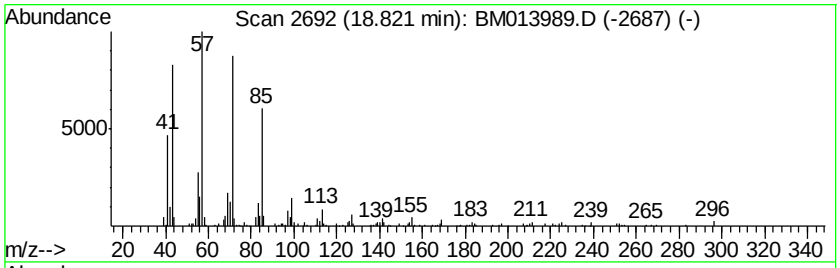
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

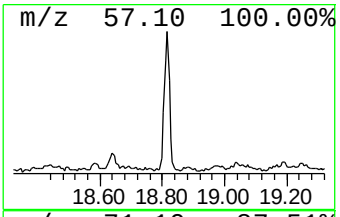
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

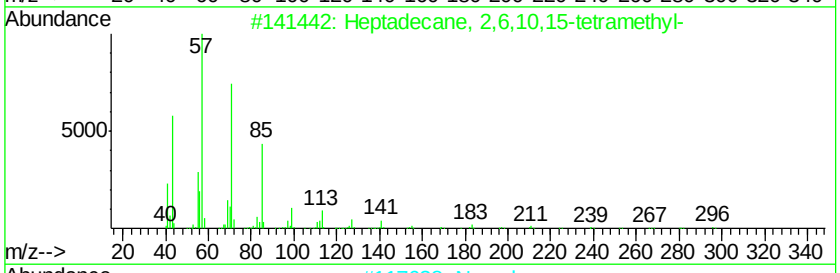
****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

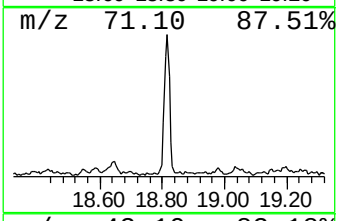
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.53 ng/ul	558783	Phenanthrene-d10	16.97

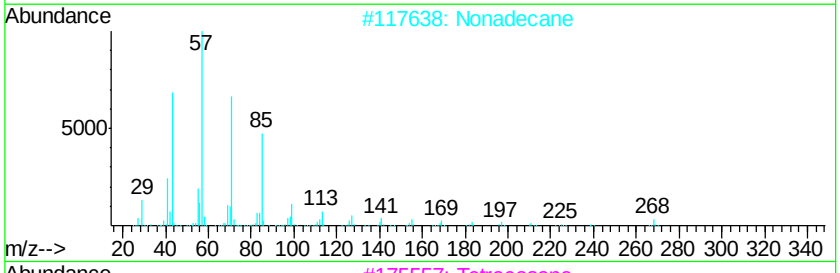
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
2	Nonadecane	268	C19H40	000629-92-5	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Eicosane	282	C20H42	000112-95-8	91

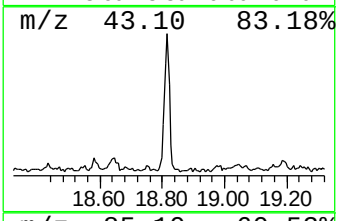


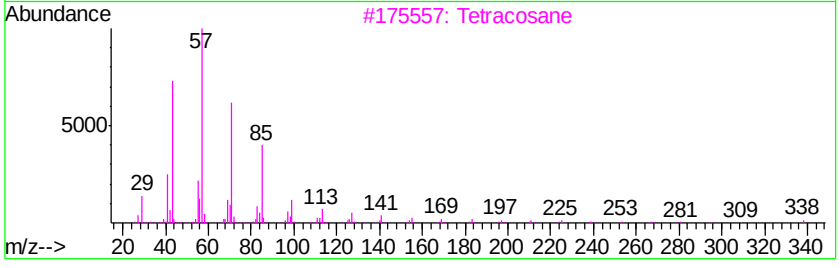


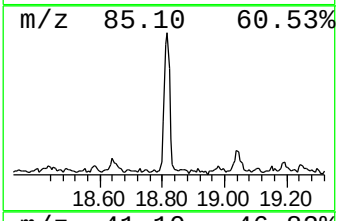


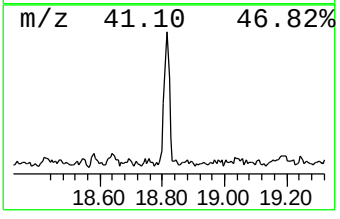












Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

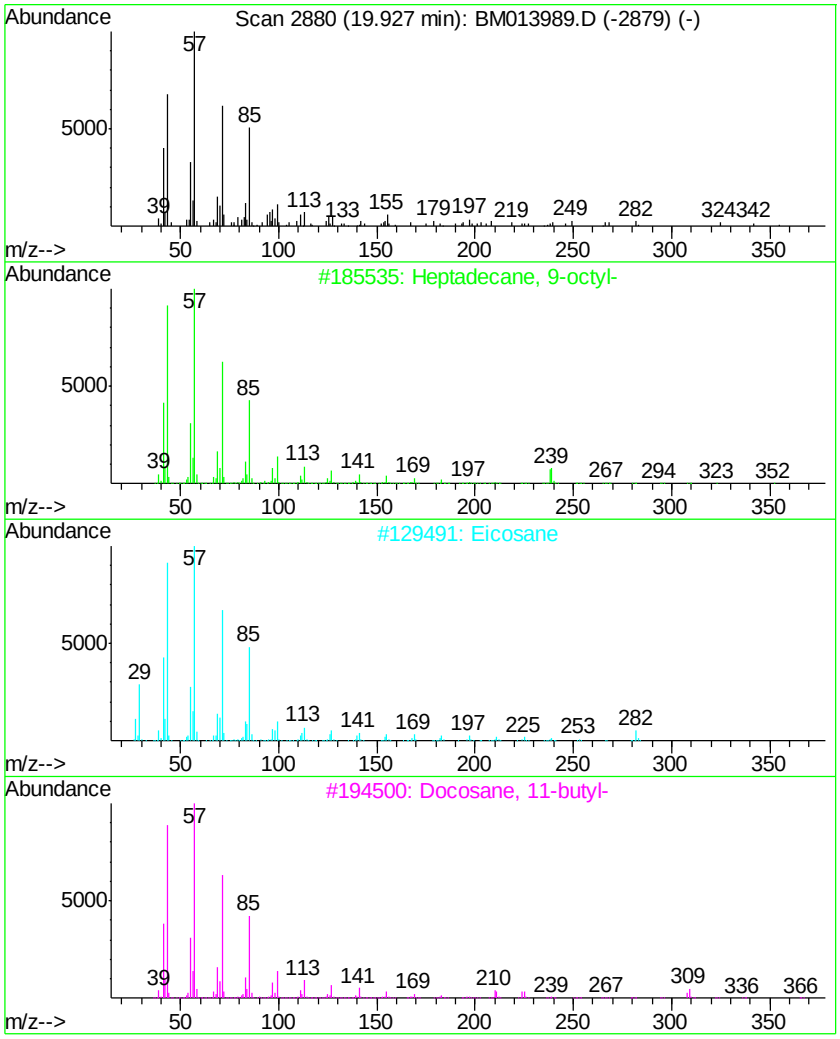
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

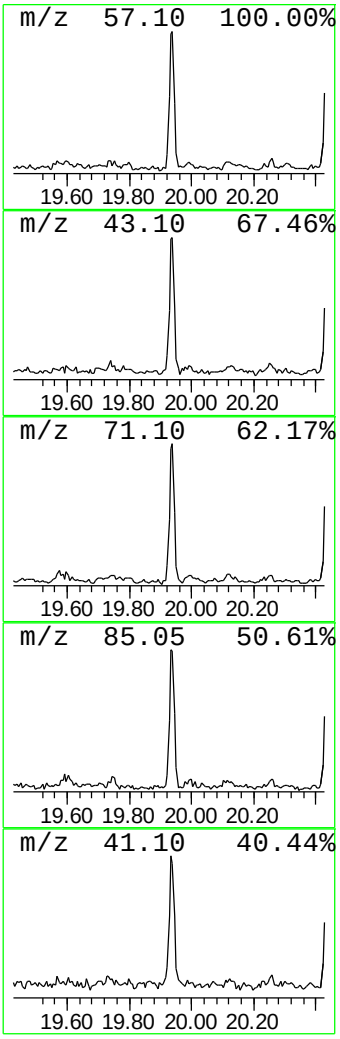
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	3.17 ng/ul	413173	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	90
4	Docosane	310	C22H46	000629-97-0	90
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

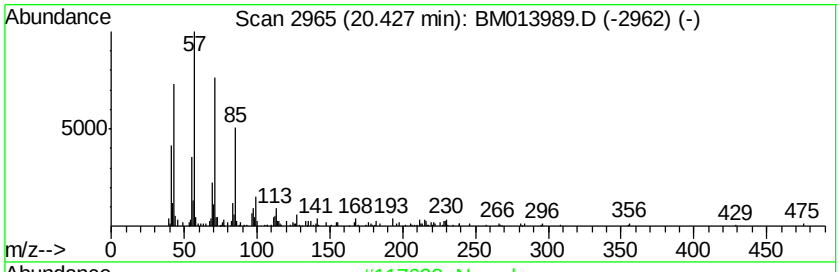
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

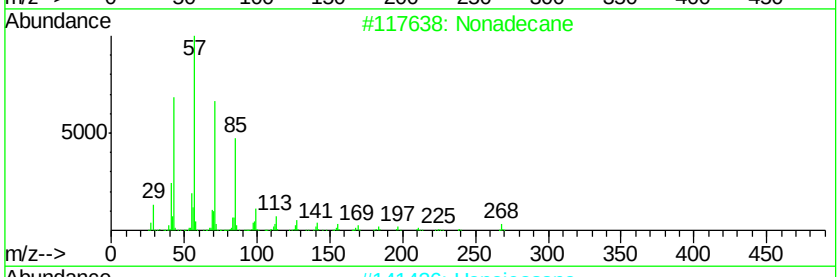
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

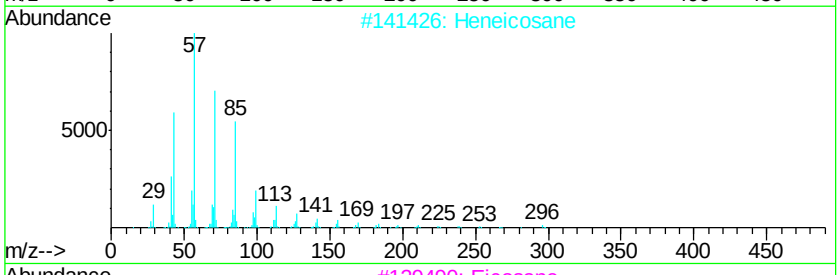
****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 20

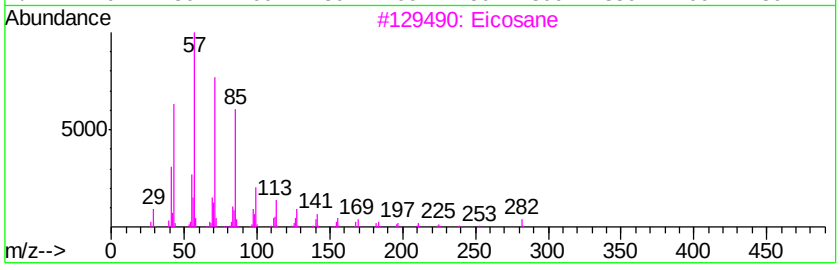
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.87 ng/ul	373579	Chrysene-d12	21.18

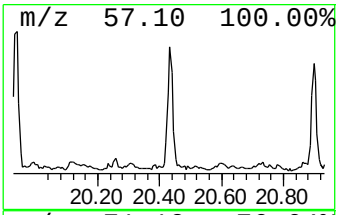
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Heneicosane	296	C21H44	000629-94-7	90
3	Eicosane	282	C20H42	000112-95-8	83
4	Docosane	310	C22H46	000629-97-0	80
5	Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	74

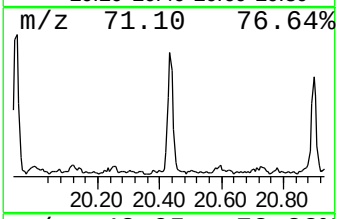


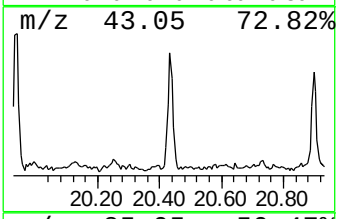


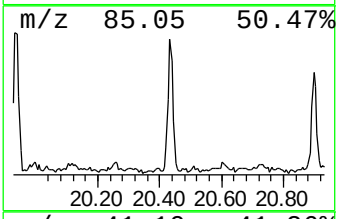


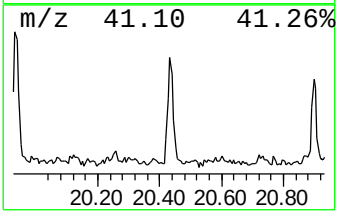












Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

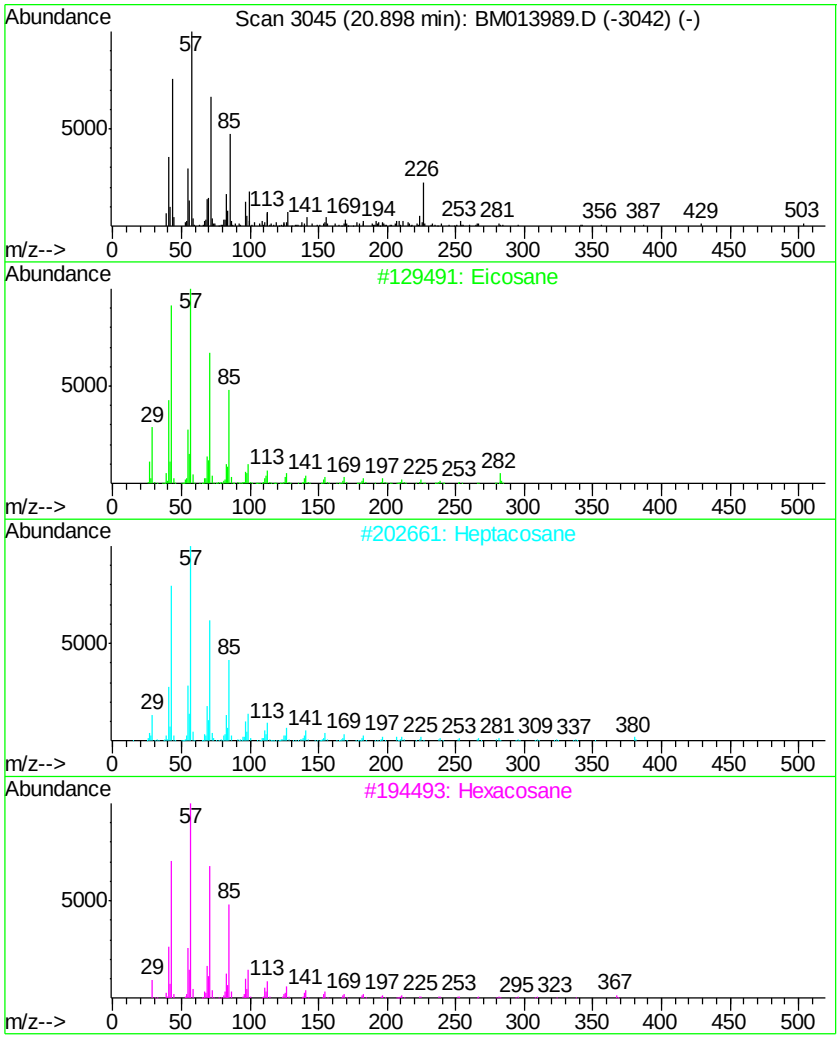
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

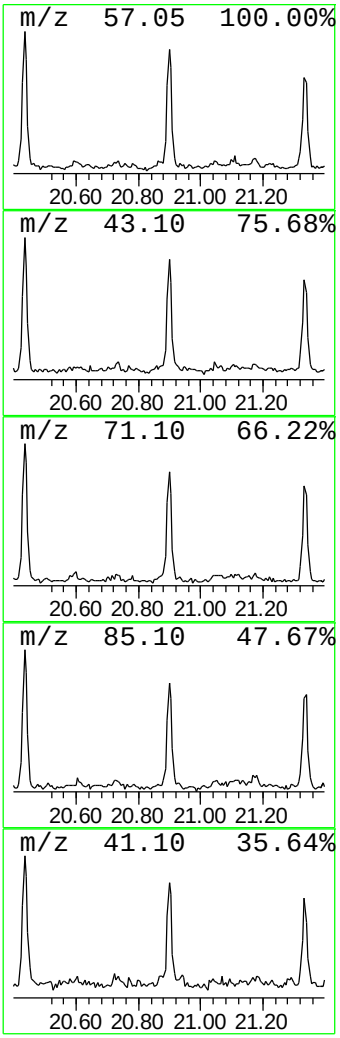
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	3.02 ng/ul	392594	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptacosane	380	C27H56	000593-49-7	81
3	Hexacosane	366	C26H54	000630-01-3	76
4	Octacosane	394	C28H58	000630-02-4	76
5	Tetratetracontane	619	C44H90	007098-22-8	76





Library Search Compound Report

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Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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

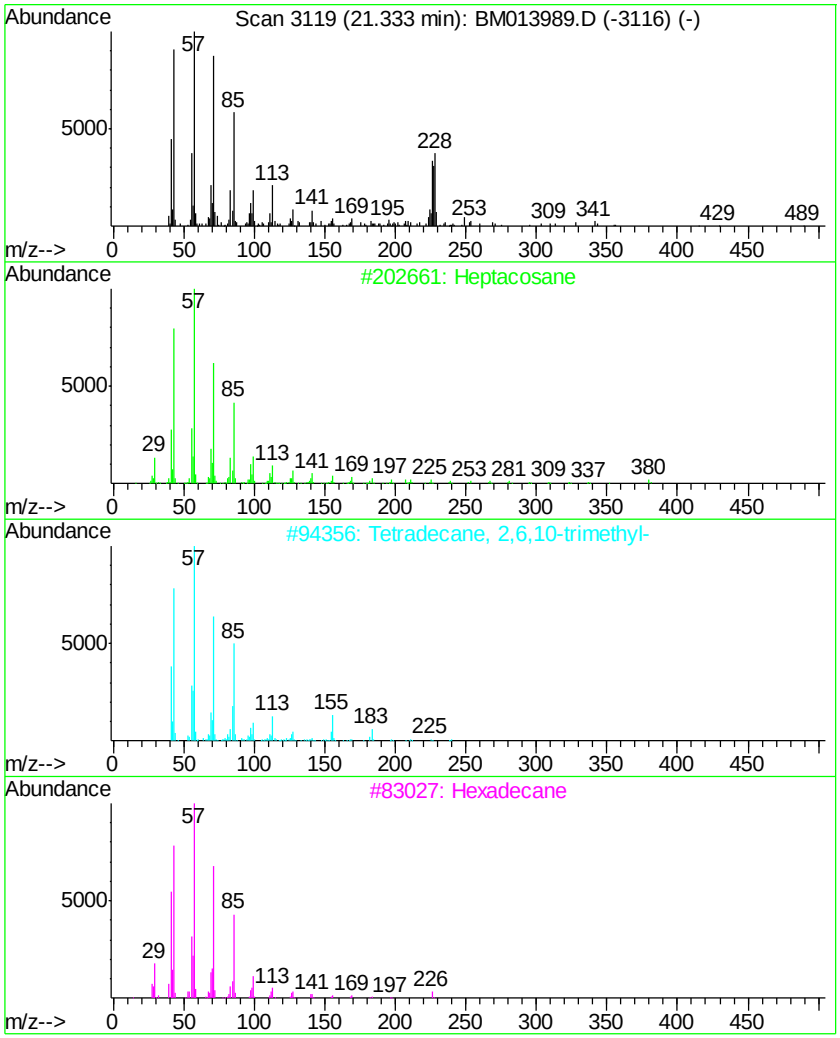
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

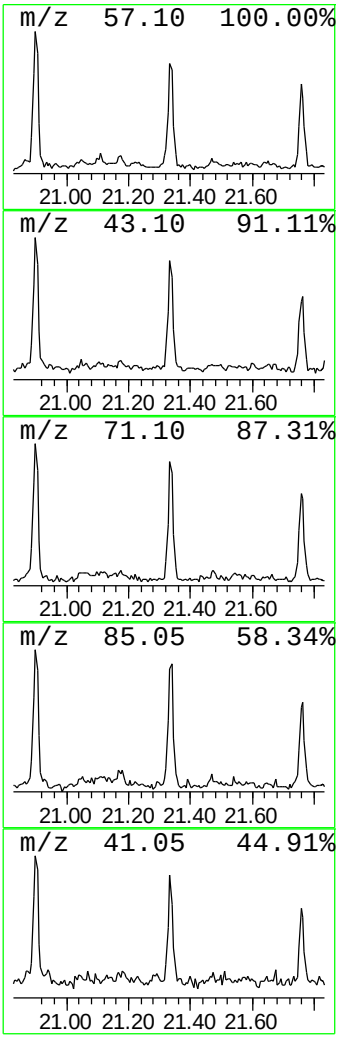
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	2.30 ng/ul	298659	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	64
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64
3	Hexadecane	226	C16H34	000544-76-3	58
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	58
5	Heneicosane	296	C21H44	000629-94-7	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B20DL

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
(DEL) Alkane: Str...	11.77	4.1	ng/ul	211836	2	10.34	1038380	20.0
Naphthalene, 1-me...	12.23	13.8	ng/ul	714439	2	10.34	1038380	20.0
Naphthalene, 1,4-...	13.38	2.4	ng/ul	195153	3	14.22	1639500	20.0
Naphthalene, 1,7-...	13.54	4.3	ng/ul	348763	3	14.22	1639500	20.0
(DEL) Alkane: Str...	14.13	5.7	ng/ul	466755	3	14.22	1639500	20.0
(DEL) Alkane: Str...	15.09	6.8	ng/ul	559522	3	14.22	1639500	20.0
(DEL) Alkane: Str...	15.49	2.4	ng/ul	198362	3	14.22	1639500	20.0
(4-Acetylphenyl)p...	15.69	3.4	ng/ul	286777	4	16.97	1711510	20.0
Dibenzofuran, 4-m...	15.72	2.9	ng/ul	245622	4	16.97	1711510	20.0
(DEL) Alkane: Str...	15.95	14.3	ng/ul	1226500	4	16.97	1711510	20.0
9H-Fluorene, 9-me...	16.29	2.1	ng/ul	184246	4	16.97	1711510	20.0
Octadecane, 1-iodo-	16.74	9.7	ng/ul	826647	4	16.97	1711510	20.0
Dibenzothiophene	16.79	6.3	ng/ul	539417	4	16.97	1711510	20.0
(DEL) Alkane: Str...	17.48	8.6	ng/ul	734036	4	16.97	1711510	20.0
Phenanthrene, 1-m...	17.85	4.0	ng/ul	346380	4	16.97	1711510	20.0
Anthracene, 2-met...	17.90	5.9	ng/ul	506771	4	16.97	1711510	20.0
4H-Cyclopenta[def...	18.05	6.8	ng/ul	582083	4	16.97	1711510	20.0
Phenanthrene, 4-m...	18.08	2.0	ng/ul	172681	4	16.97	1711510	20.0
Decane, 1-iodo-	18.17	7.0	ng/ul	598747	4	16.97	1711510	20.0
Naphthalene, 2-ph...	18.36	2.9	ng/ul	249331	4	16.97	1711510	20.0
(DEL) Alkane: Str...	18.82	6.5	ng/ul	558783	4	16.97	1711510	20.0
(DEL) Alkane: Str...	19.93	3.2	ng/ul	413173	5	21.18	2602680	20.0
(DEL) Alkane: Str...	20.43	2.9	ng/ul	373579	5	21.18	2602680	20.0
(DEL) Alkane: Str...	20.90	3.0	ng/ul	392594	5	21.18	2602680	20.0
(DEL) Alkane: Str...	21.33	2.3	ng/ul	298659	5	21.18	2602680	20.0