LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	320	327	338	rBV2	17979	32500	1.29%	0.081%
2	5.486	401	408	420	rBV	532766	901478	35.68%	2.253%
3	7.078	672	679	696	rBV	555780	1009384	39.96%	2.522%
4	7.906	812	820	829	rBV	320851	547599	21.68%	1.368%
5	8.230	867	875	884	rBV	467472	802727	31.77%	2.006%
6	9.064	1003	1017	1028	rBV	333473	648571	25.67%	1.621%
7	10.703	1287	1296	1302	rBV	444376	833555	33.00%	2.083%
8	10.756	1302	1305	1313	rVB	45175	80517	3.19%	0.201%
9	12.143	1535	1541	1547	rBV	26279	43691	1.73%	0.109%
10	12.366	1571	1579	1586	rVB	62286	111052	4.40%	0.277%
11	12.583	1611	1616	1621	rBV	50386	86684	3.43%	0.217%
12	13.165	1708	1715	1726	rBV	921412	1410275	55.82%	3.524%
13	13.382	1745	1752	1759	rBV2	55141	90566	3.58%	0.226%
14	13.711	1800	1808	1816	rBV3	37811	109564	4.34%	0.274%
15	13.870	1825	1835	1839	rBV	55023	111646	4.42%	0.279%
16	13.917	1839	1843	1850	rVB	40469	64915	2.57%	0.162%
17	13.999	1852	1857	1861	rBV	34776	56101	2.22%	0.140%
18	14.270	1897	1903	1909	rBV5	16607	31840	1.26%	0.080%
19	14.452	1929	1934	1940	rBV	70668	102550	4.06%	0.256%
20	14.546	1940	1950	1956	rVV	692162	1139459	45.10%	2.847%
21	14.604	1956	1960	1966	rVV	171993	283312	11.21%	0.708%
22	14.669	1966	1971	1980	rVB	280993	387873	15.35%	0.969%
23	14.763	1980	1987	1996	rVB4	13532	41763	1.65%	0.104%
24	14.857	1996	2003	2006	rBV4	12242	25495	1.01%	0.064%
25	14.945	2012	2018	2026	rVB	180326	304086	12.04%	0.760%
26	15.022	2026	2031	2036	rVV3	25940	39167	1.55%	0.098%
27	15.074	2036	2040	2046	rVB6	19139	35632	1.41%	0.089%
28	15.163	2049	2055	2059	rBV3	24993	51342	2.03%	0.128%
29	15.215	2061	2064	2071	rVB2	22015	34108	1.35%	0.085%
30	15.403	2092	2096	2101	rVB	84622	109170	4.32%	0.273%
31	15.509	2110	2114	2118	rVB4	13962	25441	1.01%	0.064%
32	15.591	2122	2128	2140	rBV	330790	523632	20.73%	1.308%
33	15.756	2152	2156	2160	rVB2	29689	41654	1.65%	0.104%
34	15.809	2160	2165	2169	rBV2	31081	58400	2.31%	0.146%

LSC Area Percent Report

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Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.885	2174	2178	2187	rVB	69223	128803	5.10%	0.322%
36	15.968	2187	2192	2197	rBV8	13810	30059	1.19%	0.075%
37	16.032	2197	2203	2211	rBV	723140	1162630	46.02%	2.905%
38	16.267	2238	2243	2247	rBV2	101358	156832	6.21%	0.392%
39	16.449	2270	2274	2280	rBV	168781	212237	8.40%	0.530%
40	16.596	2293	2299	2304	rBV2	55967	103110	4.08%	0.258%
41	16.643	2304	2307	2315	rVB4	30361	50366	1.99%	0.126%
42	16.825	2332	2338	2342	rBV4	26052	51702	2.05%	0.129%
43	16.866	2342	2345	2349	rVB2	26831	34927	1.38%	0.087%
44	16.943	2355	2358	2365	rVB2	36453	59647	2.36%	0.149%
45	17.025	2367	2372	2374	rVV2	33285	54610	2.16%	0.136%
46	17.054	2374	2377	2382	rVV	85477	131867	5.22%	0.330%
47	17.107	2382	2386	2397	rVB2	130817	228321	9.04%	0.571%
48	17.290	2410	2417	2420	rBV	766009	1210941	47.93%	3.026%
49	17.331	2420	2424	2431	rVV	1497117	2272190	89.94%	5.678%
50	17.425	2431	2440	2445	rVV	473656	785255	31.08%	1.962%
51	17.483	2445	2450	2455	rVV3	36537	63342	2.51%	0.158%
52	17.689	2478	2485	2490	rBV	120774	204905	8.11%	0.512%
53	17.801	2499	2504	2508	rBV2	86300	134824	5.34%	0.337%
54	17.871	2513	2516	2525	rVB3	37429	68911	2.73%	0.172%
55	17.965	2527	2532	2537	rBV	679487	820541	32.48%	2.050%
56	18.165	2561	2566	2570	rBV	170692	251500	9.96%	0.628%
57	18.212	2570	2574	2581	rVB	240007	368123	14.57%	0.920%
58	18.294	2583	2588	2593	rBV	108648	161000	6.37%	0.402%
59	18.359	2593	2599	2603	rBV2	280312	515434	20.40%	1.288%
60	18.394	2603	2605	2610	rVB	107497	138613	5.49%	0.346%
61	18.488	2614	2621	2629	rVB2	65695	130979	5.18%	0.327%
62	18.658	2646	2650	2655	rBV	105541	156809	6.21%	0.392%
63	18.705	2655	2658	2662	rVB2	29047	38645	1.53%	0.097%
64	18.958	2699	2701	2705	rVB	36082	37944	1.50%	0.095%
65	18.999	2705	2708	2713	rVB	40510	52892	2.09%	0.132%
66	19.099	2717	2725	2728	rBV2	1620734	2243872	88.82%	5.607%
67	19.134	2728	2731	2735	rVB2	1958910	2260363	89.47%	5.648%
68	19.217	2742	2745	2749	rBV3	58215	80720	3.20%	0.202%
69	19.270	2750	2754	2760	rVB	269546	338081	13.38%	0.845%
70	19.346	2761	2767	2773	rBV	1638775	2400830	95.03%	5.999%
71	19.704	2818	2828	2836	rBV2	1324340	2358993	93.38%	5.895%

LSC Area Percent Report

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Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.775	2837	2840	2846	rVB2	77081	117270	4.64%	0.293%
73	19.904	2855	2862	2866	rBV	1292246	1743976	69.03%	4.358%
74	20.033	2878	2884	2889	rBV3	101126	237754	9.41%	0.594%
75	20.198	2908	2912	2918	rVB2	243104	339520	13.44%	0.848%
76	20.298	2925	2929	2932	rBV2	173011	211397	8.37%	0.528%
77	20.356	2934	2939	2943	rVV3	159416	236671	9.37%	0.591%
78	20.668	2989	2992	2996	rVB	171257	185391	7.34%	0.463%
79	21.167	3074	3077	3081	rBV	94931	120063	4.75%	0.300%
80	21.208	3081	3084	3090	rVB5	140685	226813	8.98%	0.567%
81	21.532	3131	3139	3144	rBV3	1002036	2526298	100.00%	6.313%
82	21.579	3144	3147	3158	rVB	572078	934380	36.99%	2.335%
83	21.731	3169	3173	3180	rBV2	123268	217632	8.61%	0.544%
84	23.659	3494	3501	3508	rBV	350188	1078877	42.71%	2.696%
85	24.481	3635	3641	3657	rVB	265593	778111	30.80%	1.944%
86	24.634	3660	3667	3687	rVB2	381121	1388800	54.97%	3.470%

Sum of corrected areas: 40019520

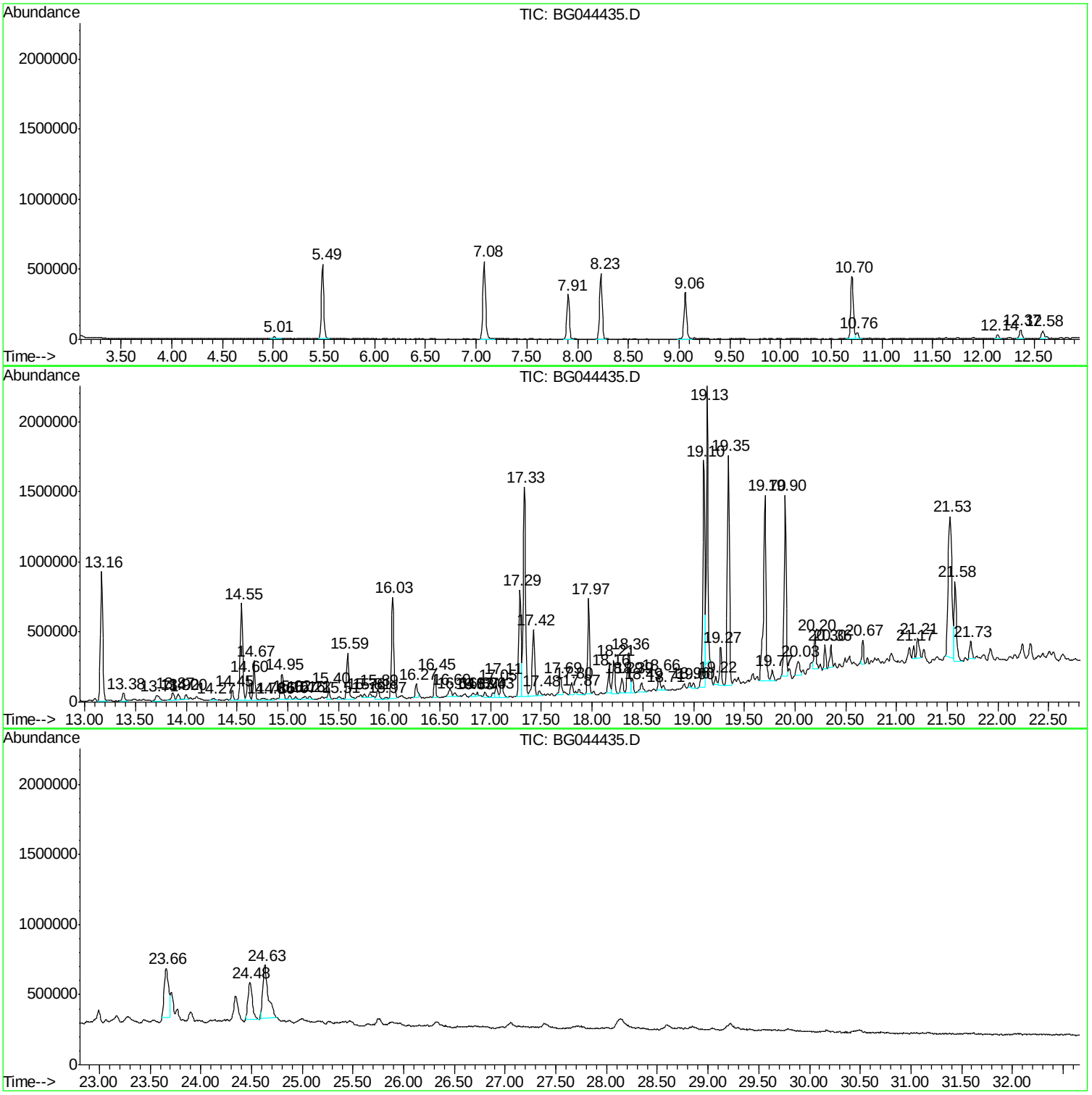
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

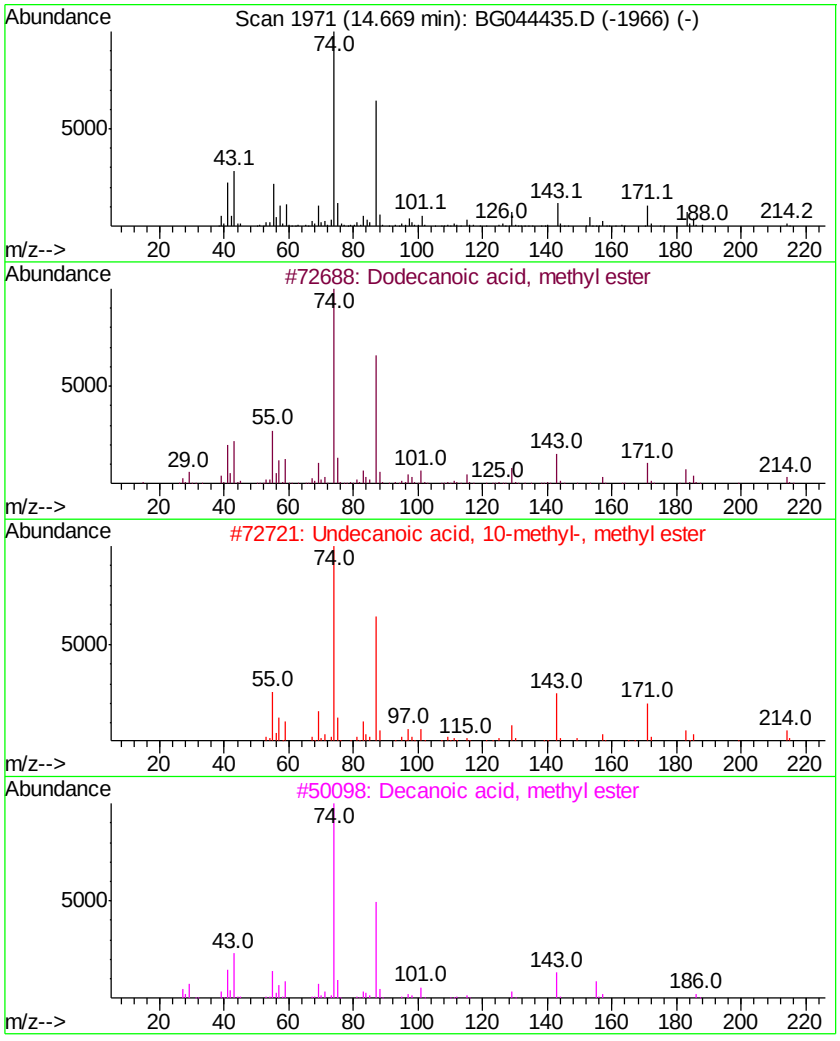
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

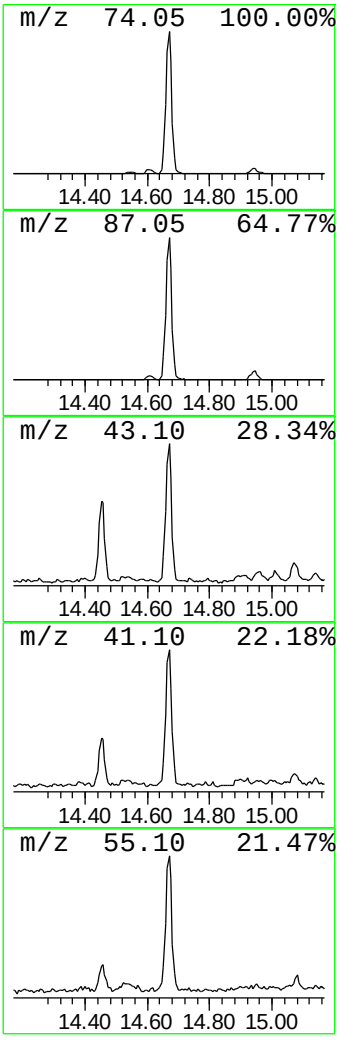
****

Peak Number 2 Dodecanoic acid, methyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	6.81 ng	387873	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	91
2	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	87
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	72
4	Undecanoic acid, methyl ester	200	C12H24O2	001731-86-8	72
5	Nonanoic acid, methyl ester	172	C10H20O2	001731-84-6	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

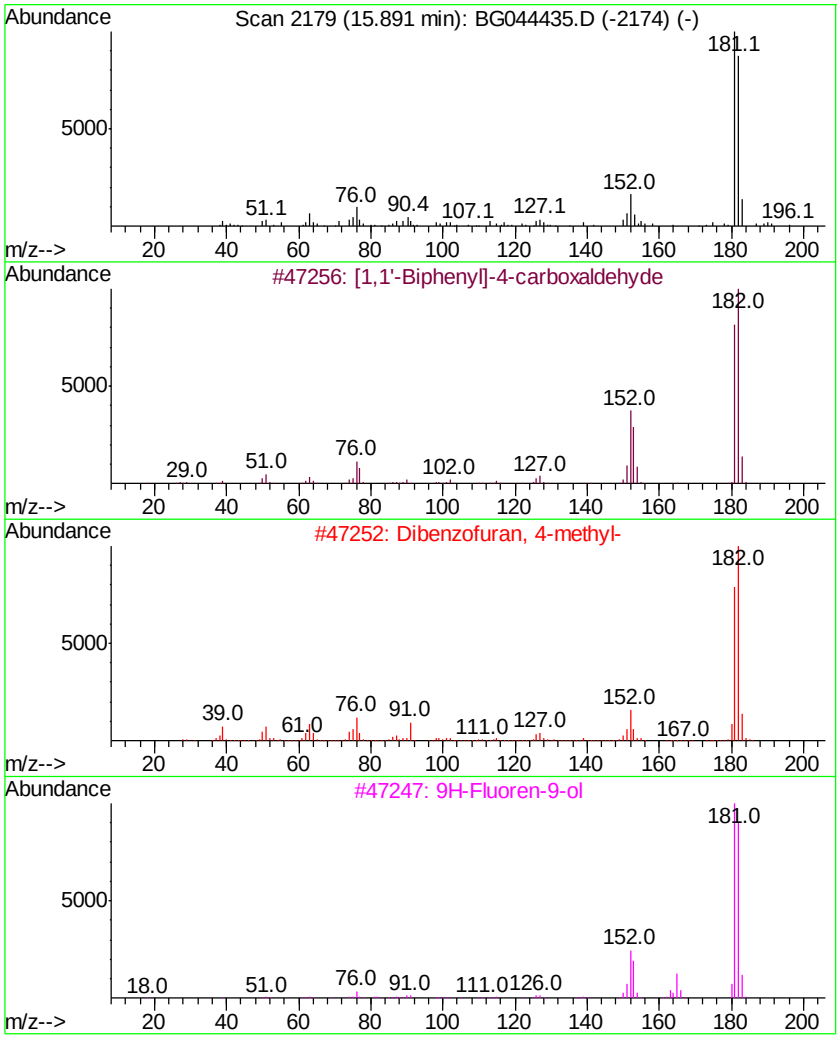
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

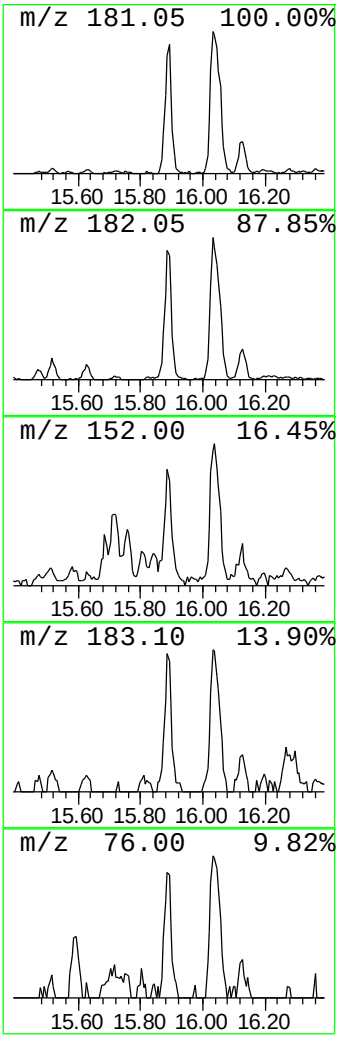
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.26 ng	128803	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

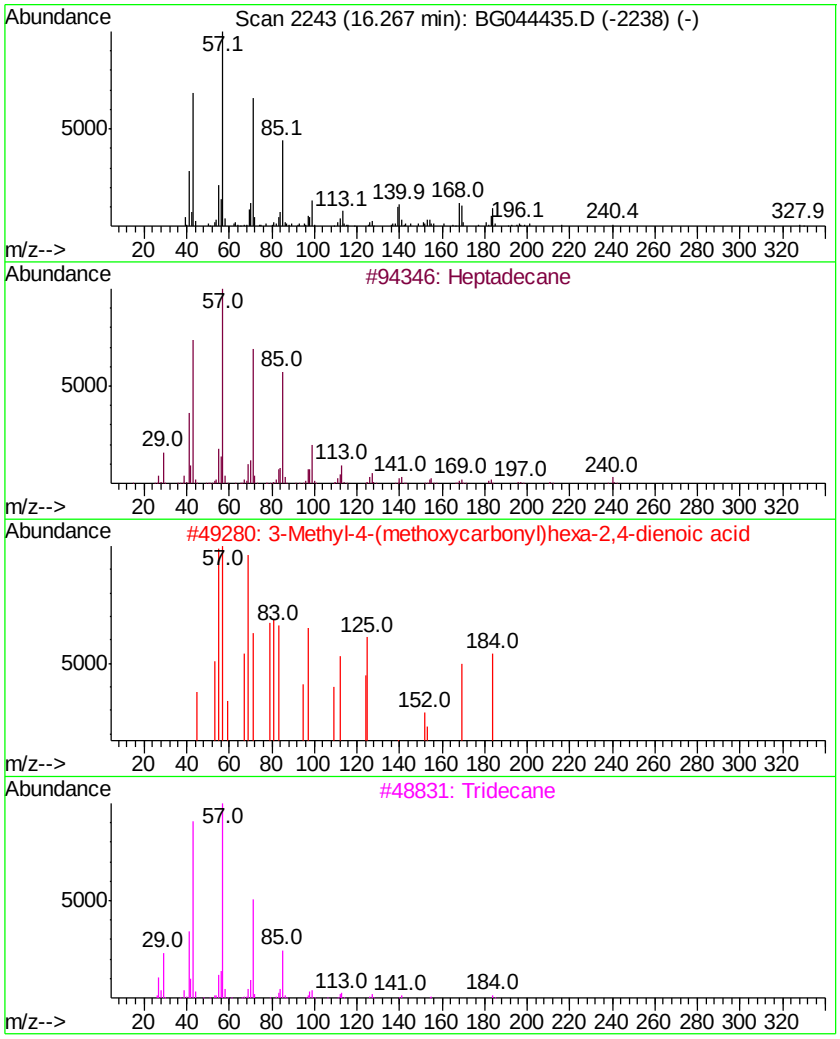
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

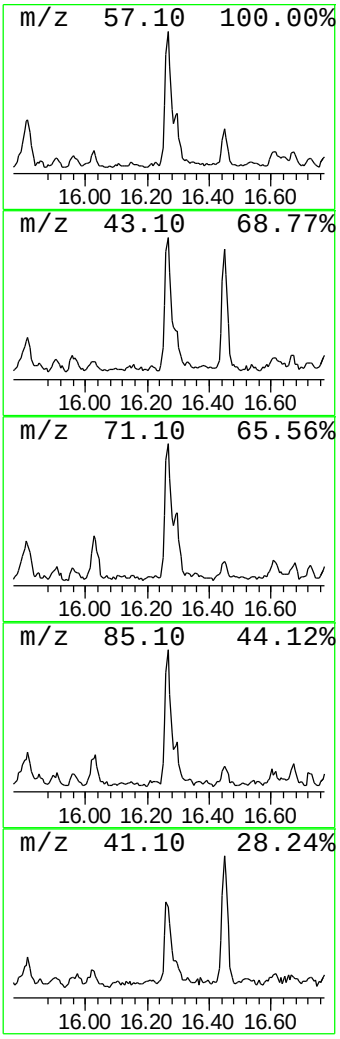
****

Peak Number 4 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.59 ng	156832	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	80
3	Tridecane	184	C13H28	000629-50-5	70
4	Dodecane	170	C12H26	000112-40-3	64
5	Tetradecane	198	C14H30	000629-59-4	58





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Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

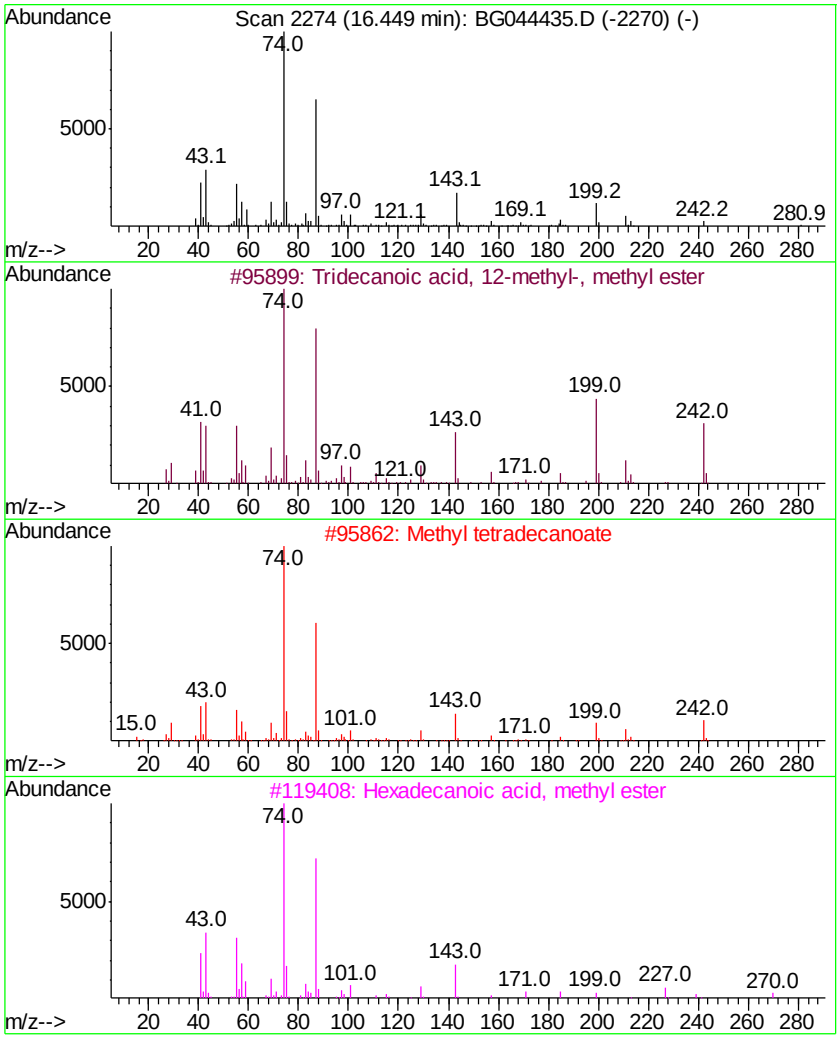
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

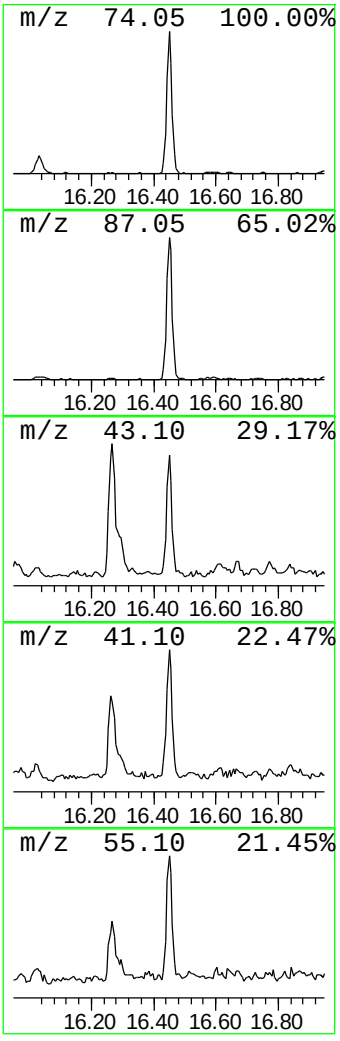
****

Peak Number 5 Tridecanoic acid, 12-methyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	3.51 ng	212237	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	95
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

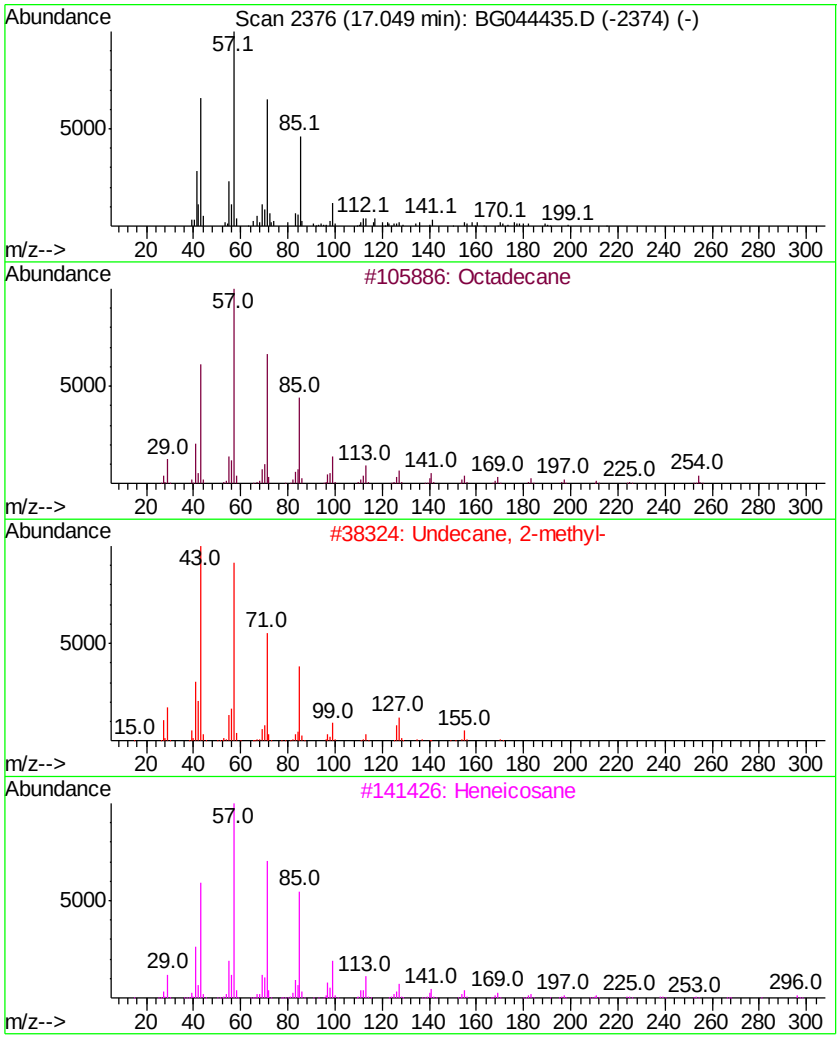
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

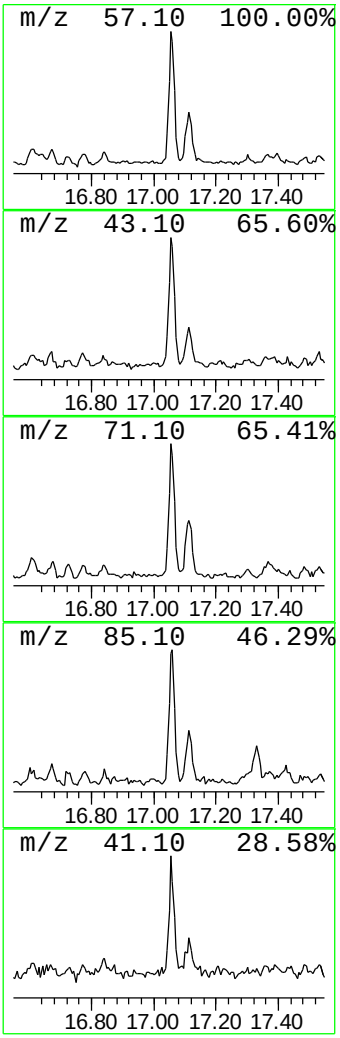
****

Peak Number 6 Octadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	2.18 ng	131867	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	86
3	Heneicosane	296	C21H44	000629-94-7	83
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





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Data File : BG044435.D
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Misc :
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Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

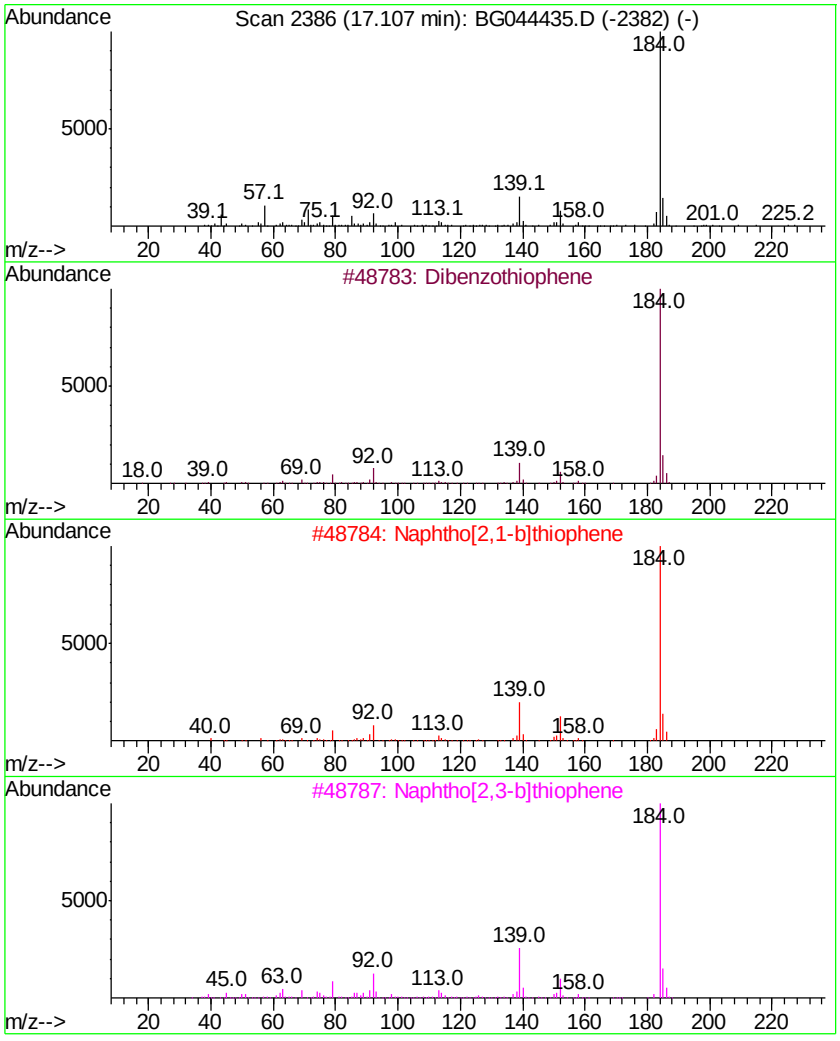
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

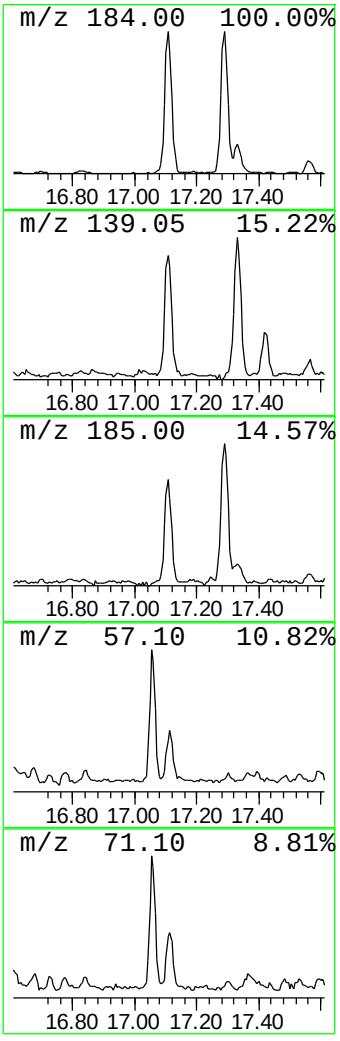
****

Peak Number 7 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	3.77 ng	228321	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





Library Search Compound Report

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Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

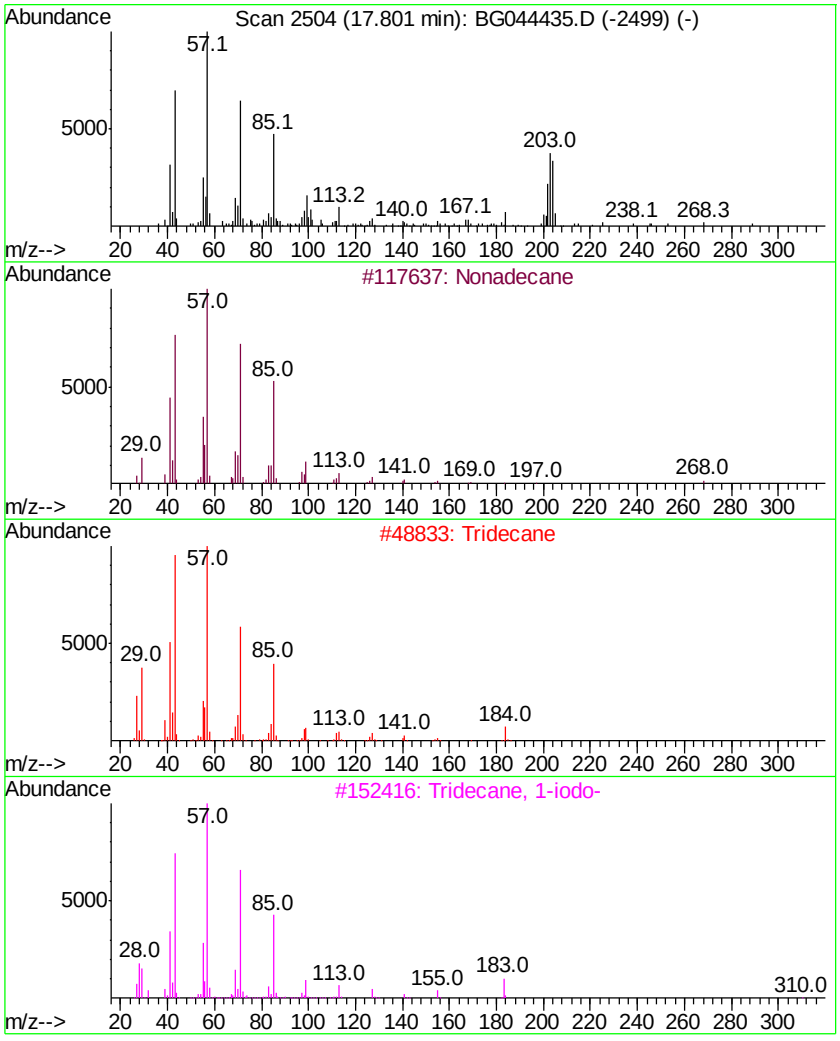
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

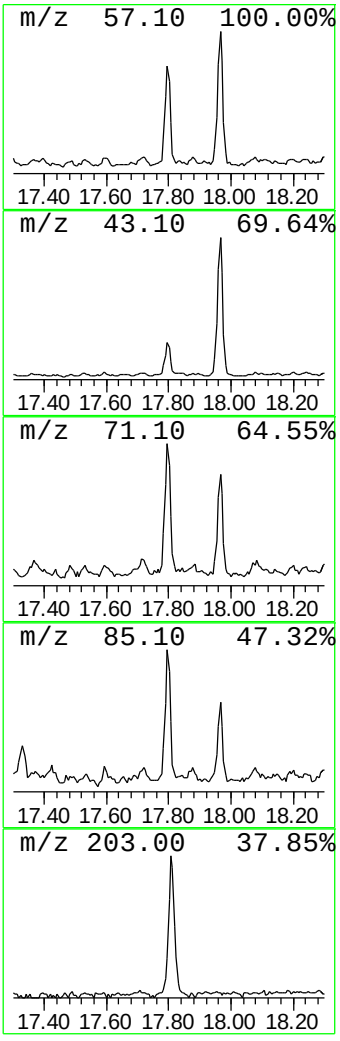
****

Peak Number 8 Nonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	2.23 ng	134824	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	70
2	Tridecane	184	C13H28	000629-50-5	60
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58
4	Heptacosane	380	C27H56	000593-49-7	49
5	Pentadecane	212	C15H32	000629-62-9	49





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Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

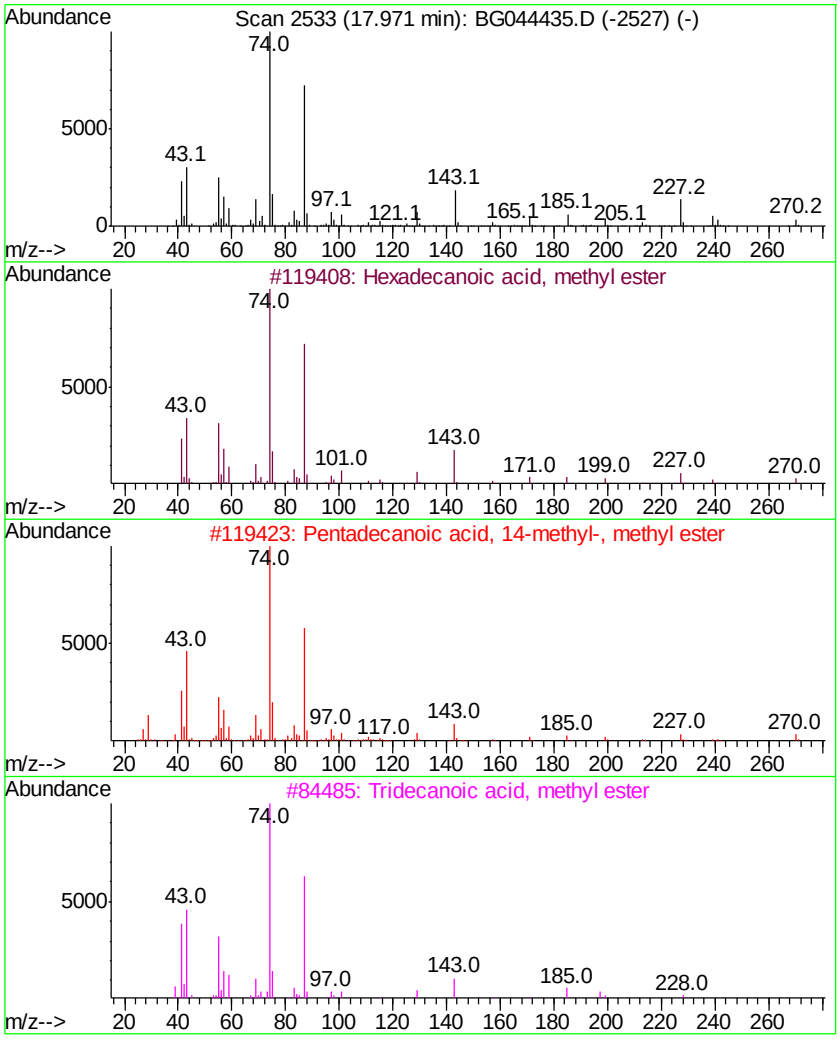
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

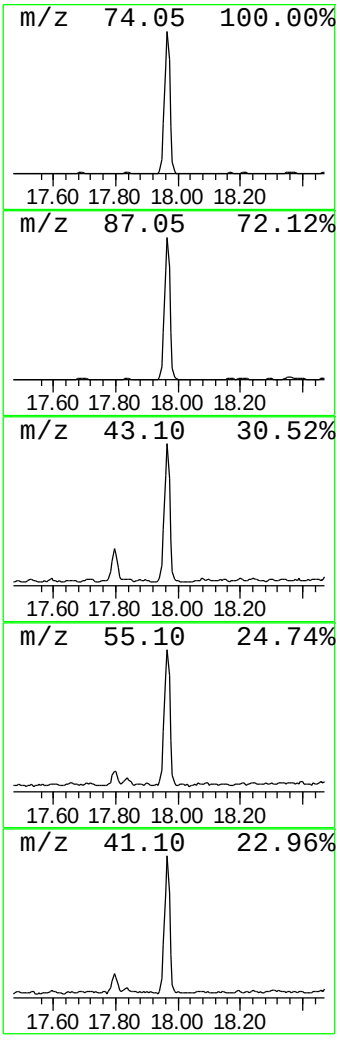
****

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	13.55 ng	820541	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





Library Search Compound Report

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Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

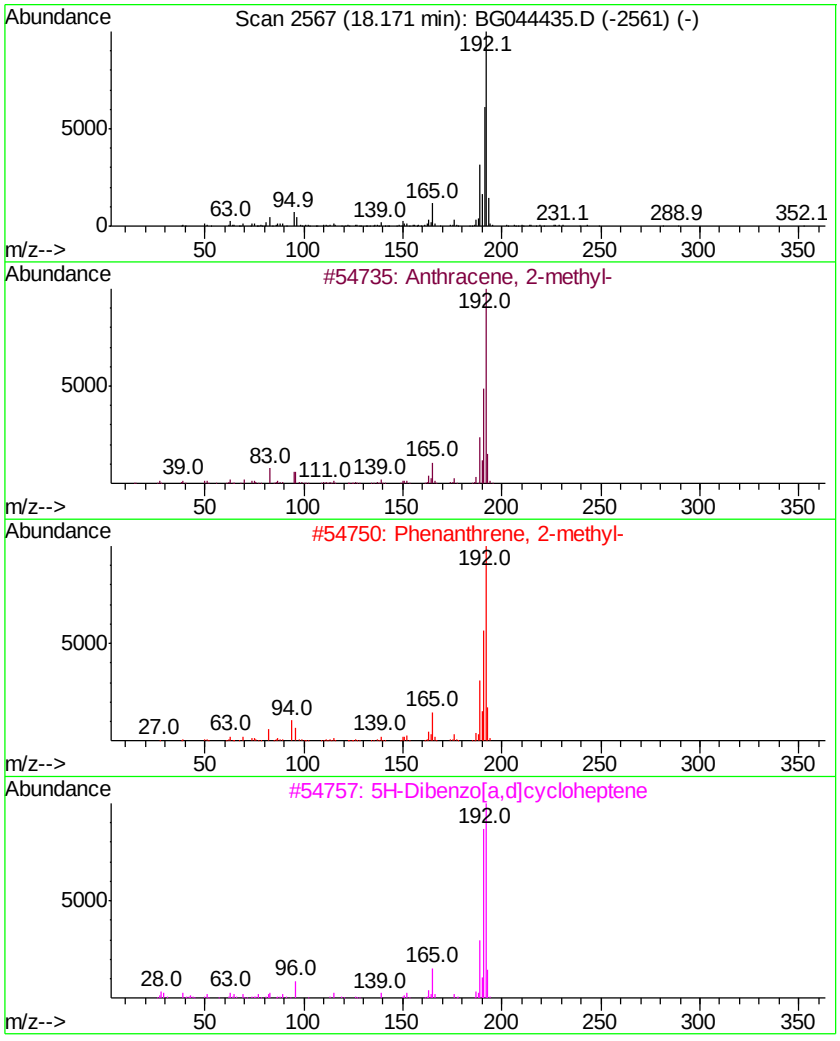
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

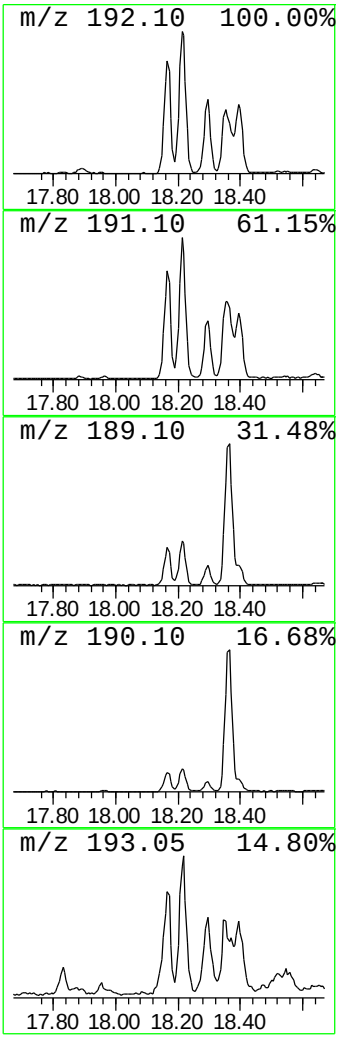
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	4.15 ng	251500	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

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Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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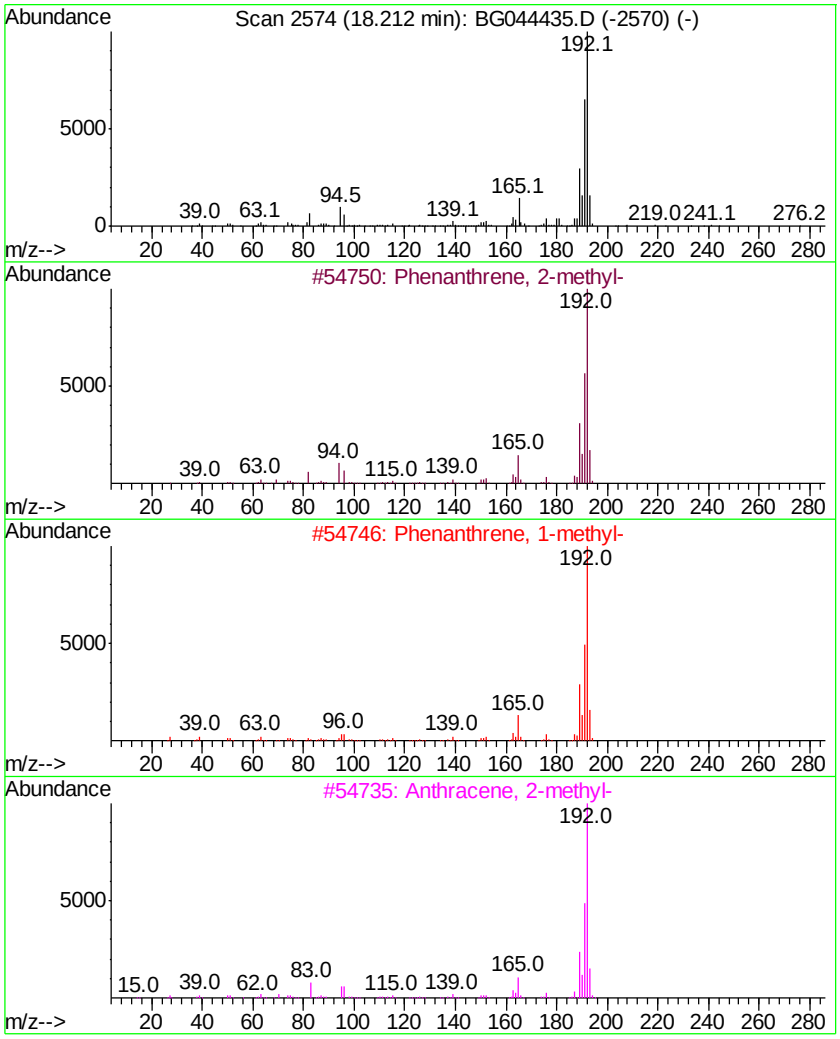
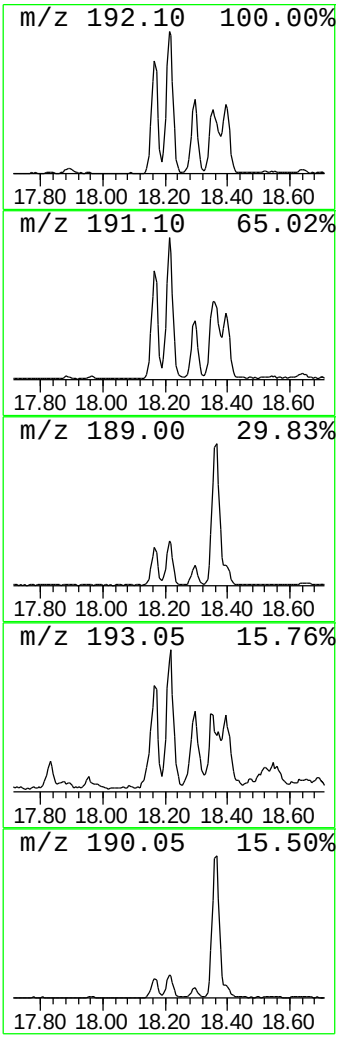
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	6.08 ng	368123	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

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Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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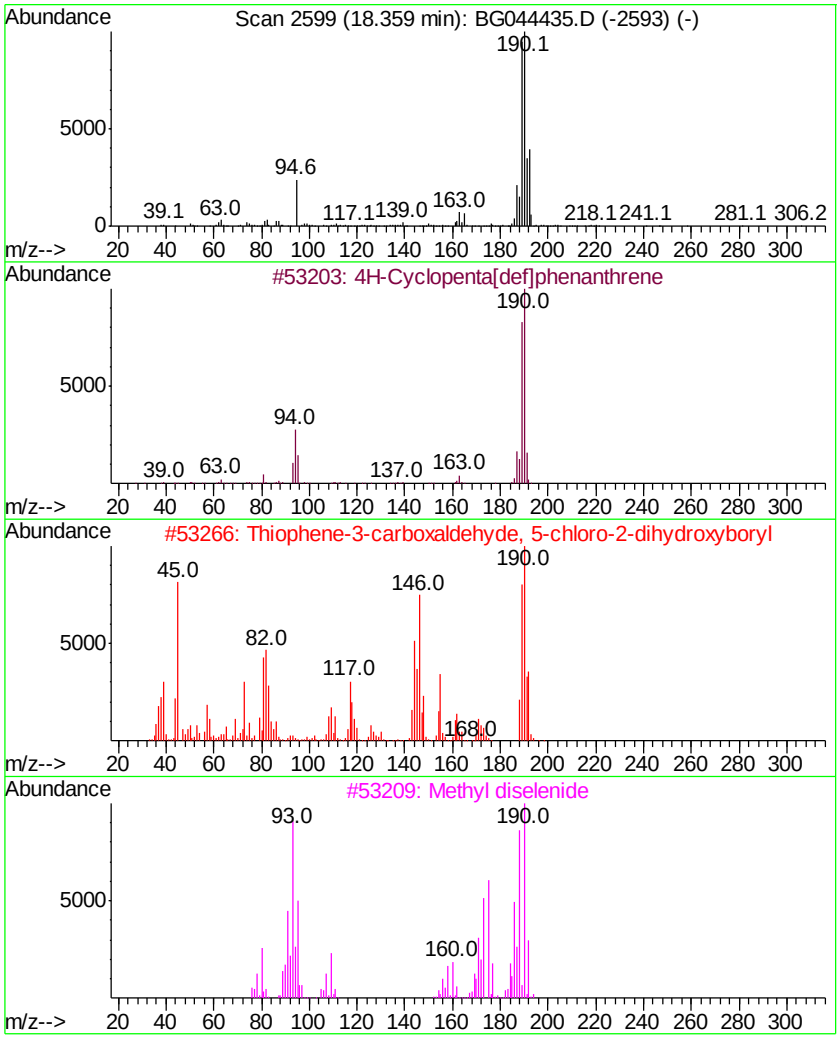
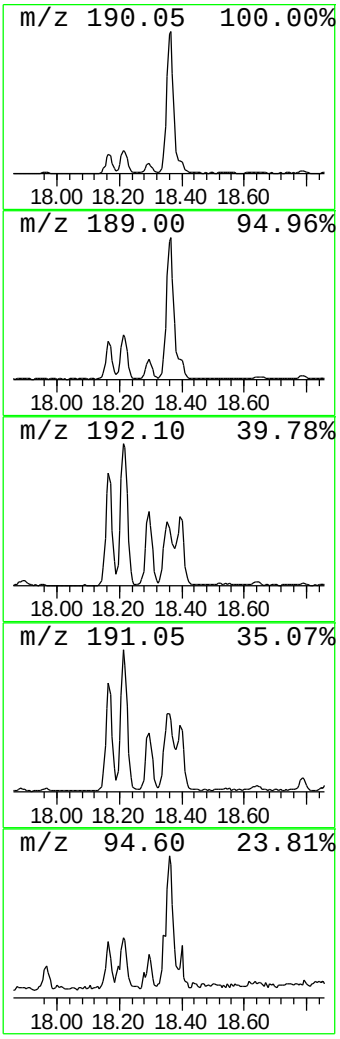
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	8.51 ng	515434	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Library Search Compound Report

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Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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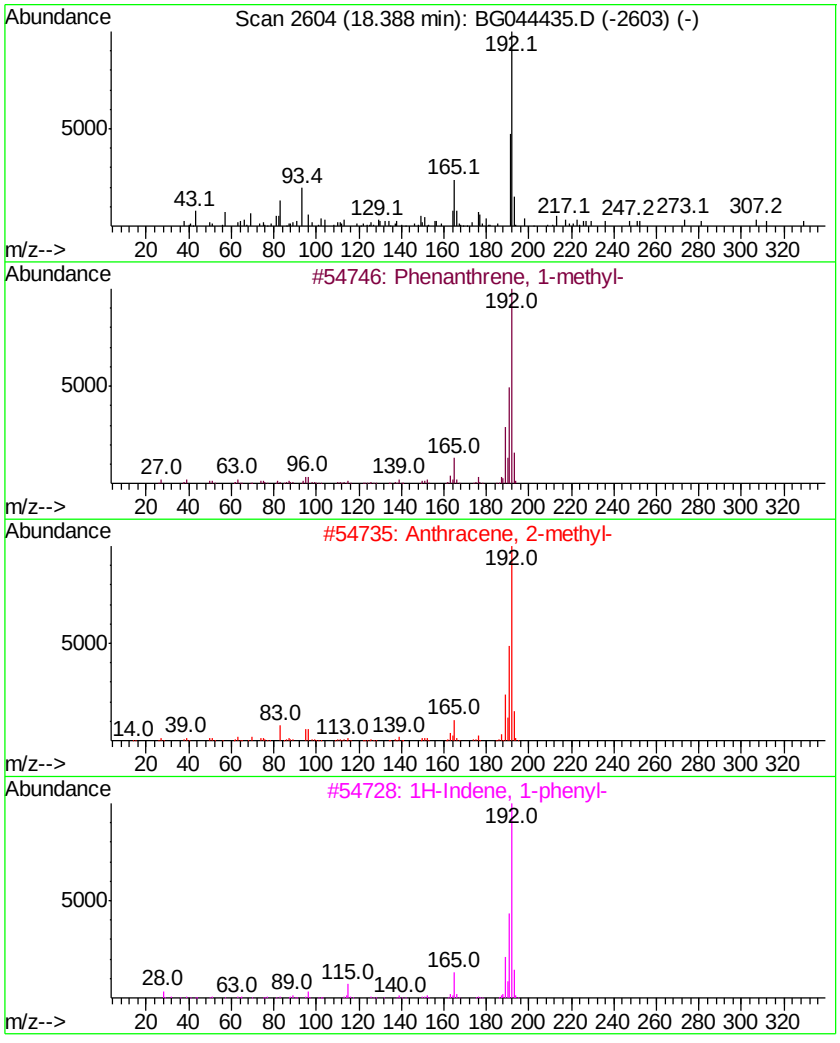
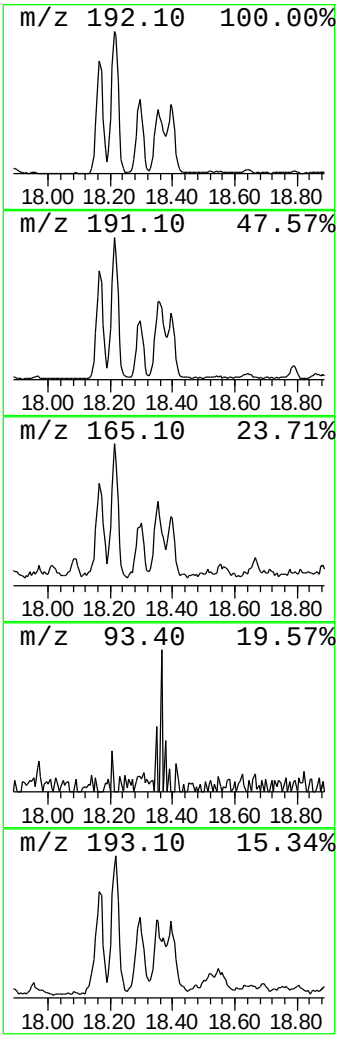
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.29 ng	138613	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	86
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86





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Data File : BG044435.D
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Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

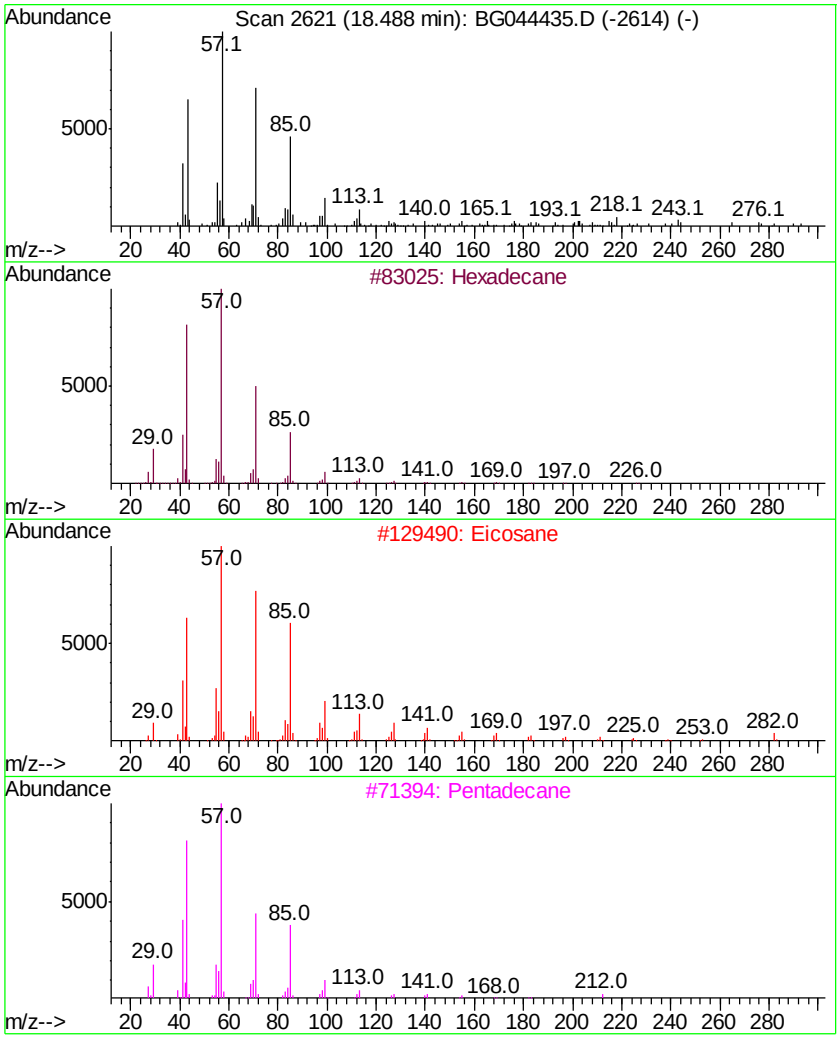
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

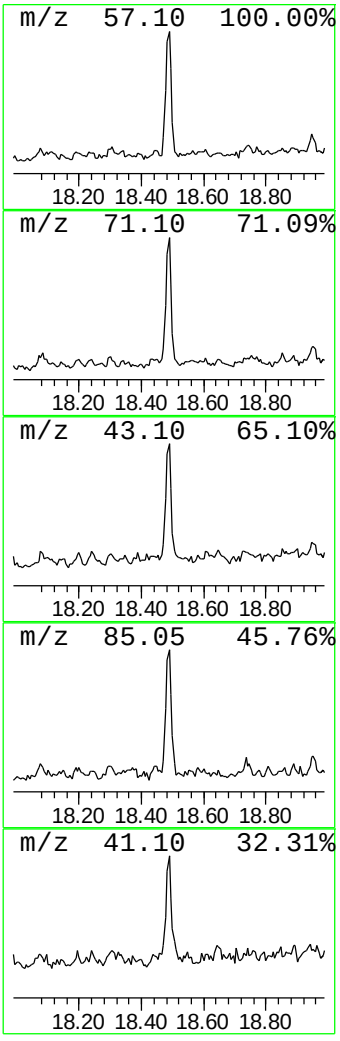
****

Peak Number 15 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.16 ng	130979	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Eicosane	282	C20H42	000112-95-8	90
3	Pentadecane	212	C15H32	000629-62-9	87
4	Tetracosane	338	C24H50	000646-31-1	83
5	Heneicosane	296	C21H44	000629-94-7	83





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Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

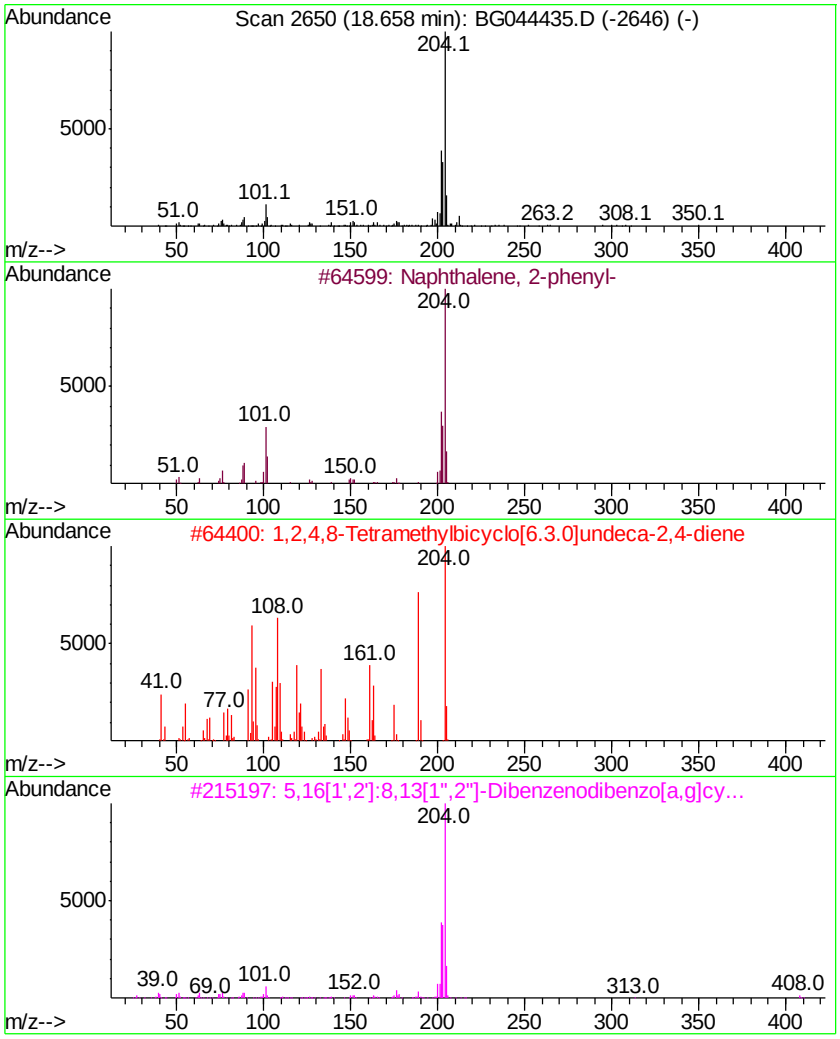
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

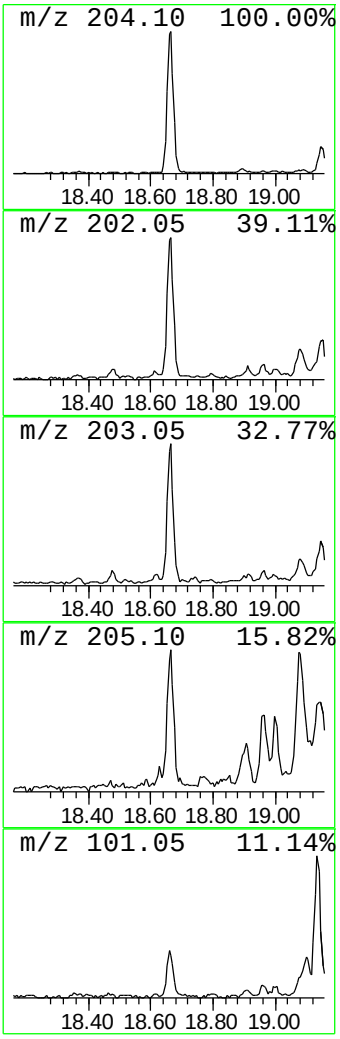
****

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.59 ng	156809	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	83
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Misc :
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Instrument : BNA_G
ClientSampleId : HD-02-021220

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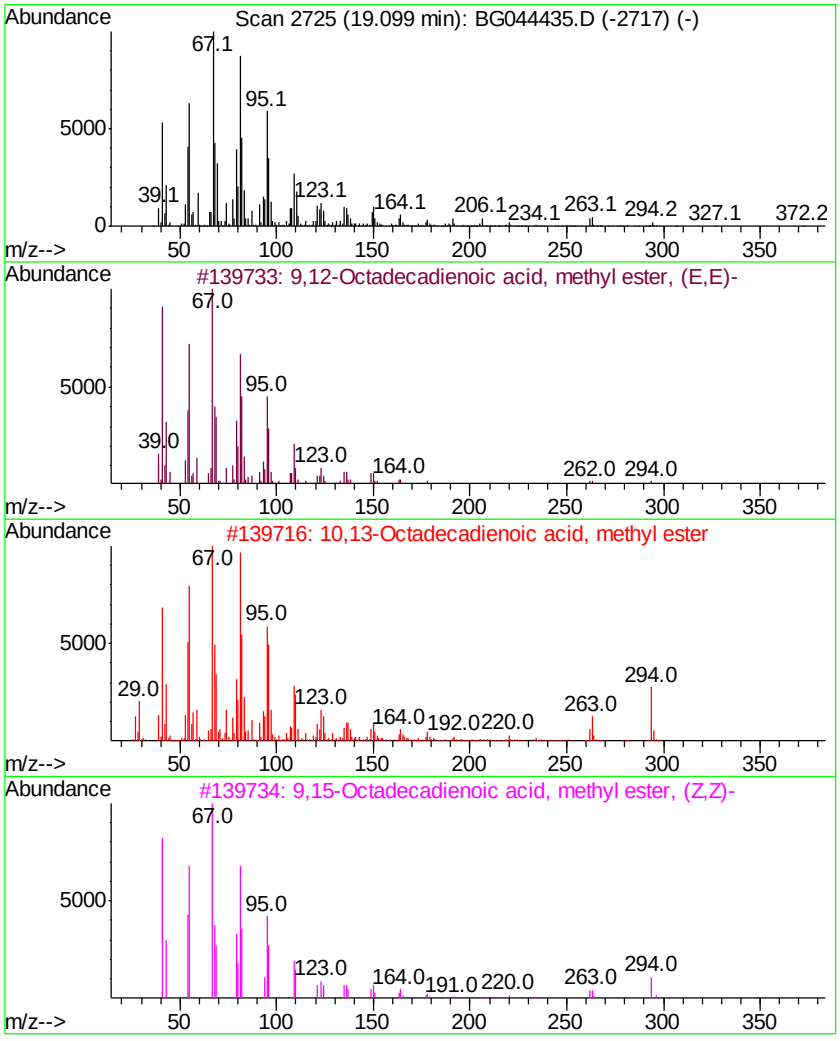
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

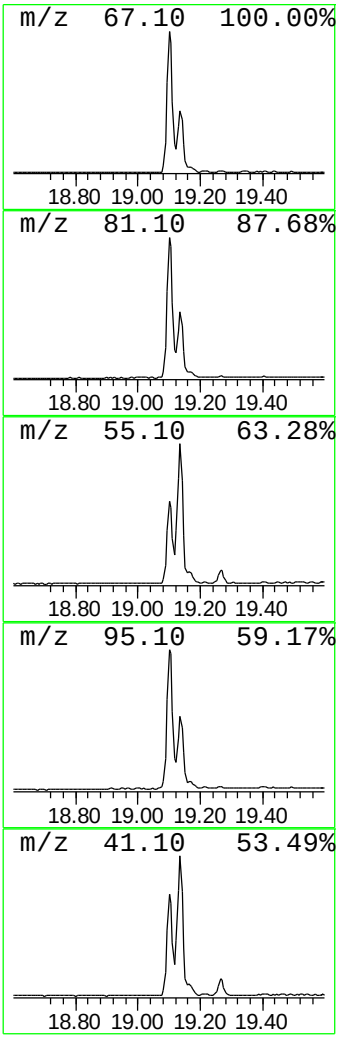
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	37.06 ng	2243870	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





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Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

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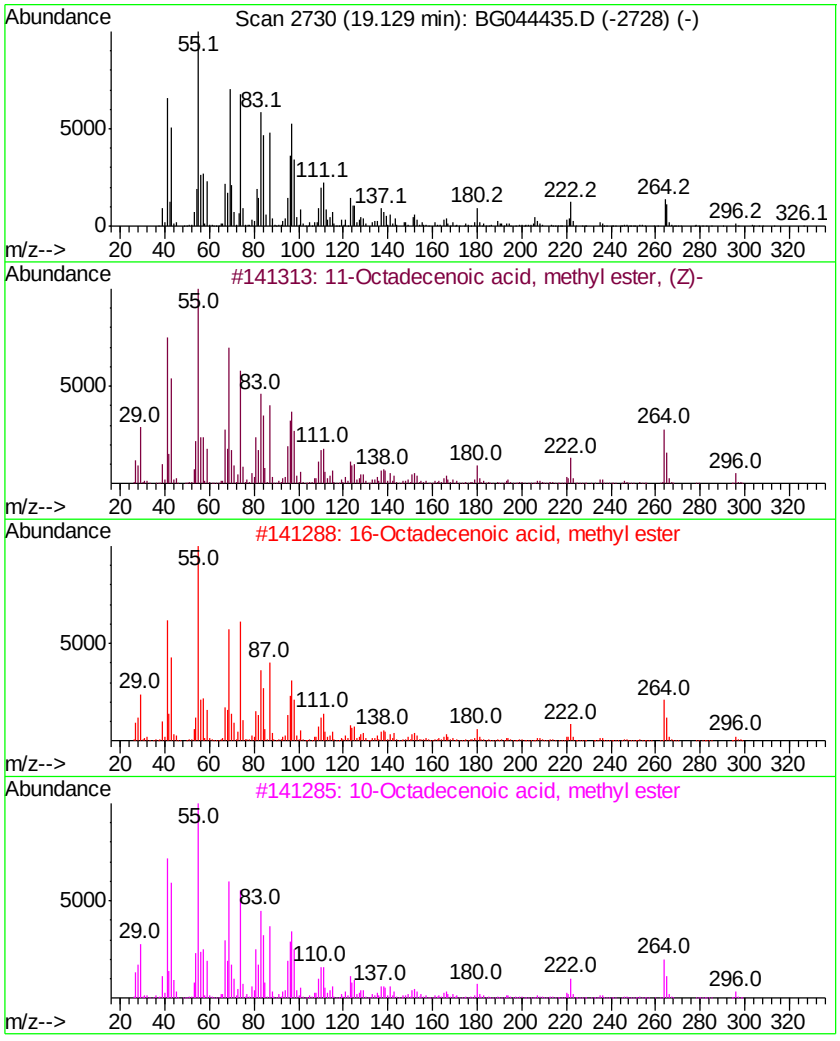
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

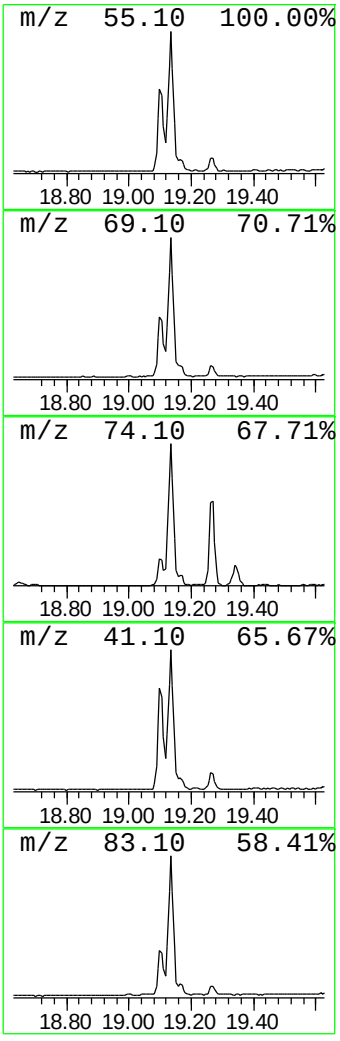
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 11-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	37.33 ng	2260360	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	98





Library Search Compound Report

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Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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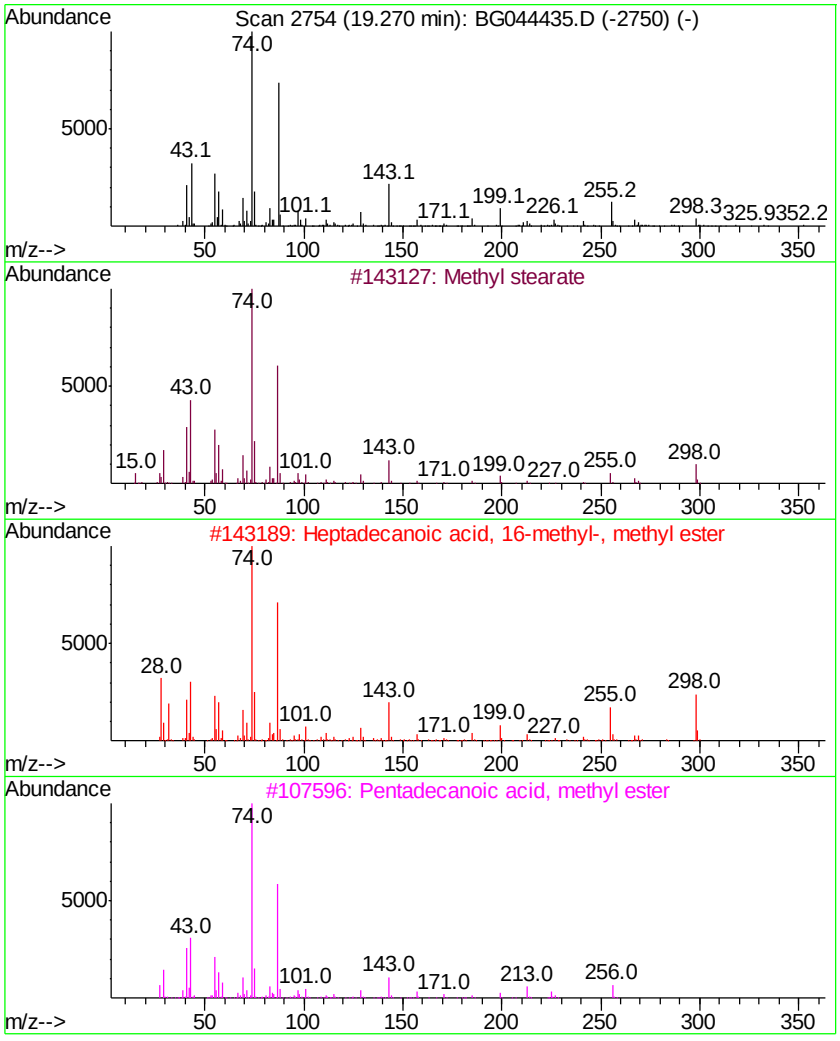
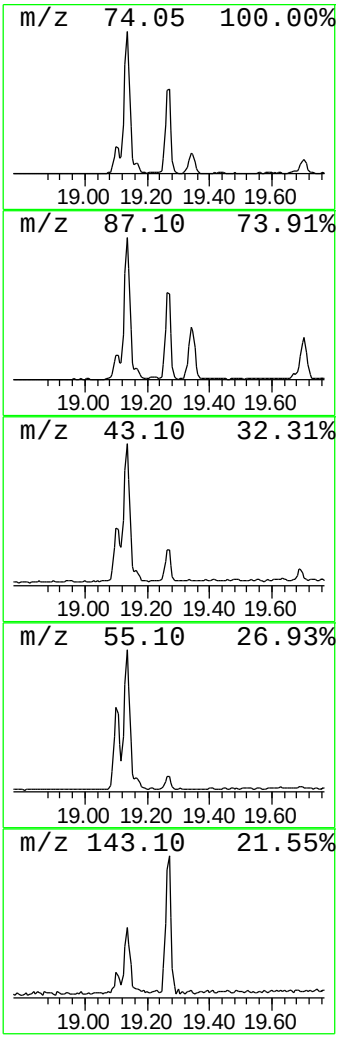
Peak Number 19 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	5.58 ng	338081	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	93
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	87
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87
4	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	81
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72





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Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

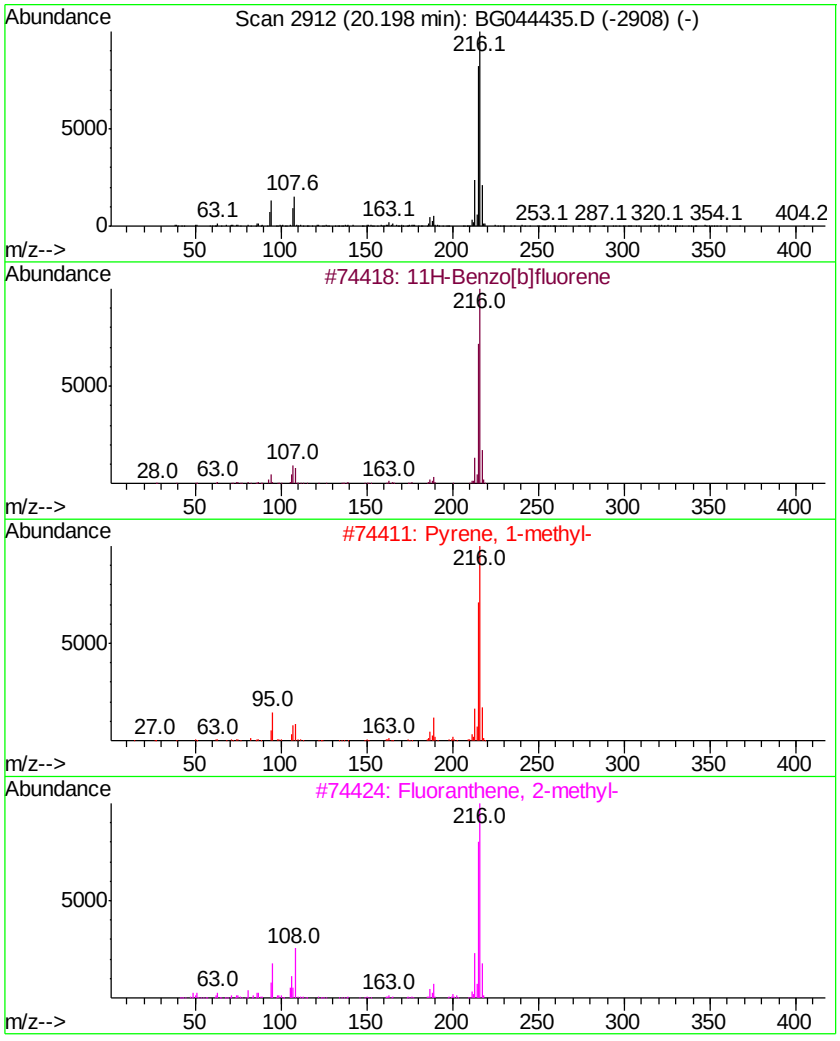
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

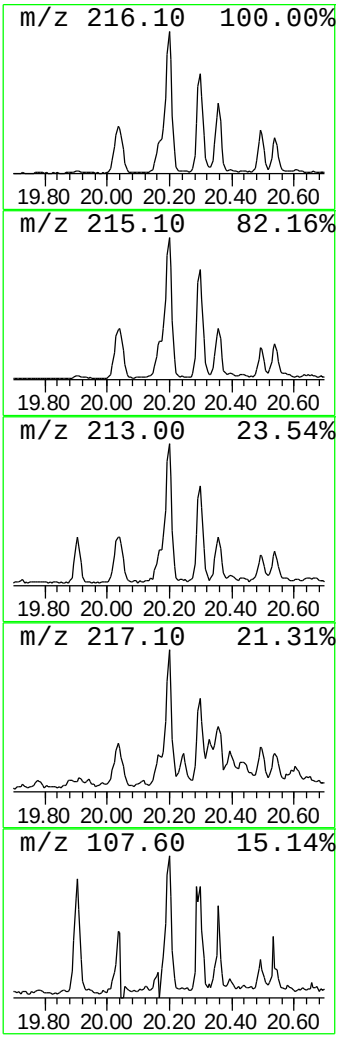
****

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	2.69 ng	339520	Chrysene-d12	21.54

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	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021320\
Data File : BG044435.D
Acq On : 14 Feb 2020 2:31
Operator : CG/JU
Sample : L1385-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Dodecanoic acid, ...	14.67	6.8	ng	387873	3	14.55	1139460	20.0
[1,1'-Biphenyl]-4...	15.89	2.3	ng	128803	3	14.55	1139460	20.0
Heptadecane	16.27	2.6	ng	156832	4	17.29	1210940	20.0
Tridecanoic acid,...	16.45	3.5	ng	212237	4	17.29	1210940	20.0
Octadecane	17.05	2.2	ng	131867	4	17.29	1210940	20.0
Dibenzothiophene	17.11	3.8	ng	228321	4	17.29	1210940	20.0
Nonadecane	17.80	2.2	ng	134824	4	17.29	1210940	20.0
Hexadecanoic acid...	17.97	13.6	ng	820541	4	17.29	1210940	20.0
Anthracene, 2-met...	18.17	4.2	ng	251500	4	17.29	1210940	20.0
Phenanthrene, 2-m...	18.21	6.1	ng	368123	4	17.29	1210940	20.0
4H-Cyclopenta[def...	18.36	8.5	ng	515434	4	17.29	1210940	20.0
Phenanthrene, 1-m...	18.39	2.3	ng	138613	4	17.29	1210940	20.0
Hexadecane	18.49	2.2	ng	130979	4	17.29	1210940	20.0
Naphthalene, 2-ph...	18.66	2.6	ng	156809	4	17.29	1210940	20.0
9,12-Octadecadien...	19.10	37.1	ng	2243870	4	17.29	1210940	20.0
11-Octadecenoic a...	19.13	37.3	ng	2260360	4	17.29	1210940	20.0
Methyl stearate	19.27	5.6	ng	338081	4	17.29	1210940	20.0
11H-Benzo[b]fluorene	20.20	2.7	ng	339520	5	21.54	2526300	20.0