LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012207.D
Acq On : 15 Oct 2017 14:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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-BM101217.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	3.228	20	24	32	rVB	56199	92088	2.24%	0.144%
2	3.757	108	114	121	rBV	36687	54292	1.32%	0.085%
3	6.987	652	663	676	rBV	770737	1384989	33.69%	2.166%
4	7.145	684	690	702	rBV	617644	978170	23.80%	1.530%
5	7.345	717	724	732	rBV	923409	1487094	36.18%	2.326%
6	7.816	797	804	814	rBV	779276	1304820	31.74%	2.041%
7	8.534	919	926	935	rBV	915278	1607690	39.11%	2.515%
8	8.986	995	1003	1018	rBV	812816	1429608	34.78%	2.236%
9	9.704	1116	1125	1134	rBV	687955	1249662	30.40%	1.955%
10	10.251	1210	1218	1237	rBV	1105925	2072824	50.42%	3.242%
11	10.616	1273	1280	1286	rBV	1096192	1803883	43.88%	2.821%
12	10.669	1286	1289	1297	rVB	46998	72587	1.77%	0.114%
13	10.763	1297	1305	1320	rBV	482782	1036469	25.21%	1.621%
14	12.286	1558	1564	1573	rBV	76992	135742	3.30%	0.212%
15	12.504	1597	1601	1608	rVB	35514	56858	1.38%	0.089%
16	13.627	1787	1792	1793	rBV3	36798	47516	1.16%	0.074%
17	13.786	1813	1819	1824	rBV3	47807	87050	2.12%	0.136%
18	13.874	1824	1834	1838	rVV	2121709	2949761	71.76%	4.614%
19	13.921	1838	1842	1849	rVB	602325	865431	21.05%	1.354%
20	14.021	1855	1859	1863	rBV2	25630	41624	1.01%	0.065%
21	14.163	1876	1883	1897	rVB	2327101	3530369	85.88%	5.522%
22	14.339	1908	1913	1920	rVB2	36136	53993	1.31%	0.084%
23	14.468	1923	1935	1941	rBV2	1539432	2360142	57.41%	3.691%
24	14.533	1941	1946	1953	rVB	92770	160595	3.91%	0.251%
25	14.698	1964	1974	1995	rBV2	320610	792098	19.27%	1.239%
26	14.868	1995	2003	2012	rVV2	108658	289503	7.04%	0.453%
27	14.939	2012	2015	2023	rVB2	34827	66951	1.63%	0.105%
28	15.086	2034	2040	2045	rBV5	23837	46022	1.12%	0.072%
29	15.139	2045	2049	2053	rBV4	29165	41695	1.01%	0.065%
30	15.251	2061	2068	2071	rBV5	24254	52059	1.27%	0.081%
31	15.292	2071	2075	2080	rVB3	78322	111956	2.72%	0.175%
32	15.462	2095	2104	2110	rBV	2870707	3976259	96.73%	6.219%
33	15.515	2110	2113	2118	rVB	83132	119111	2.90%	0.186%
34	15.610	2124	2129	2138	rBV	276567	502422	12.22%	0.786%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	15.698	2138	2144	2153	rVB6	47514	135127	3.29%	0.211%
36	15.809	2159	2163	2168	rVB	40891	60866	1.48%	0.095%
37	15.957	2184	2188	2195	rVB	34174	59229	1.44%	0.093%
38	16.157	2218	2222	2225	rBV	93249	137169	3.34%	0.215%
39	16.504	2275	2281	2282	rBV5	27160	43420	1.06%	0.068%
40	16.745	2314	2322	2326	rBV7	34622	92273	2.24%	0.144%
41	16.786	2327	2329	2338	rVB7	29852	56435	1.37%	0.088%
42	16.880	2340	2345	2351	rVB2	77989	121345	2.95%	0.190%
43	16.951	2351	2357	2363	rBV5	90085	185536	4.51%	0.290%
44	17.039	2367	2372	2377	rVB	64787	102728	2.50%	0.161%
45	17.092	2378	2381	2389	rVB6	39690	65317	1.59%	0.102%
46	17.162	2389	2393	2396	rBV4	33801	46682	1.14%	0.073%
47	17.215	2396	2402	2406	rBV2	1567963	2334242	56.78%	3.651%
48	17.256	2406	2409	2414	rVB	1253528	1654542	40.25%	2.588%
49	17.315	2414	2419	2424	rBV	2489141	3419495	83.18%	5.348%
50	17.486	2445	2448	2453	rBV5	26595	48137	1.17%	0.075%
51	17.627	2465	2472	2478	rBV2	93686	195337	4.75%	0.306%
52	17.686	2479	2482	2487	rVB5	33051	43115	1.05%	0.067%
53	17.798	2497	2501	2510	rBV5	39002	90127	2.19%	0.141%
54	18.033	2536	2541	2545	rBV4	94573	142468	3.47%	0.223%
55	18.092	2546	2551	2555	rVV	820486	1082791	26.34%	1.694%
56	18.139	2555	2559	2561	rVV	264819	403976	9.83%	0.632%
57	18.168	2561	2564	2568	rVB	349333	437114	10.63%	0.684%
58	18.221	2570	2573	2578	rVB	58053	78326	1.91%	0.123%
59	18.286	2578	2584	2588	rBV2	206145	404868	9.85%	0.633%
60	18.321	2588	2590	2595	rVB	122964	148903	3.62%	0.233%
61	18.392	2597	2602	2607	rBV8	52074	111697	2.72%	0.175%
62	18.451	2609	2612	2614	rBV3	41444	49688	1.21%	0.078%
63	18.586	2631	2635	2641	rBV	124535	207614	5.05%	0.325%
64	18.645	2641	2645	2649	rVV	149296	206472	5.02%	0.323%
65	19.009	2703	2707	2710	rBV	128715	178194	4.33%	0.279%
66	19.274	2747	2752	2758	rVB	1905734	2575485	62.65%	4.028%
67	19.368	2764	2768	2775	rBV2	507474	700849	17.05%	1.096%
68	19.609	2804	2809	2812	rBV	2822269	4110756	100.00%	6.430%
69	19.639	2812	2814	2821	rVB	1604048	1876292	45.64%	2.935%
70	21.080	3056	3059	3063	rVB2	405972	443842	10.80%	0.694%
71	21.397	3106	3113	3116	rBV2	2069580	3891093	94.66%	6.086%

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Misc :
ALS Vial : 45 Sample Multiplier: 1

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ClientSampleId : C0AD0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

72	21.433	3116	3119	3128	rVB	962980	1316550	32.03%	2.059%
73	23.015	3384	3388	3393	rBV	830063	1638544	39.86%	2.563%
74	23.568	3478	3482	3487	rVB2	1576012	2416293	58.78%	3.779%
75	23.715	3503	3507	3512	rVB	1066943	1761434	42.85%	2.755%

Sum of corrected areas: 63935704

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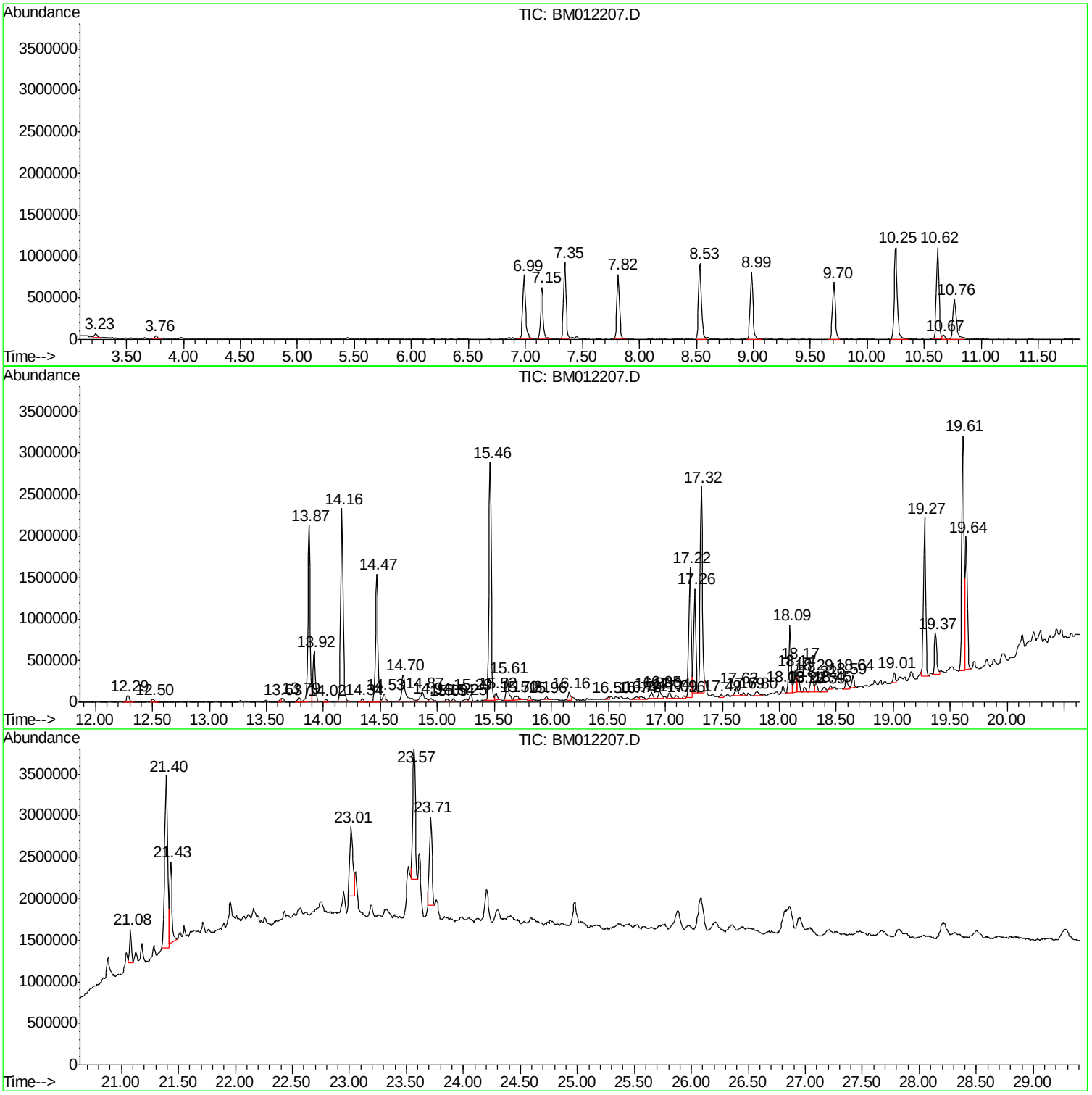
Instrument :
BNA_M
ClientSampleId :
C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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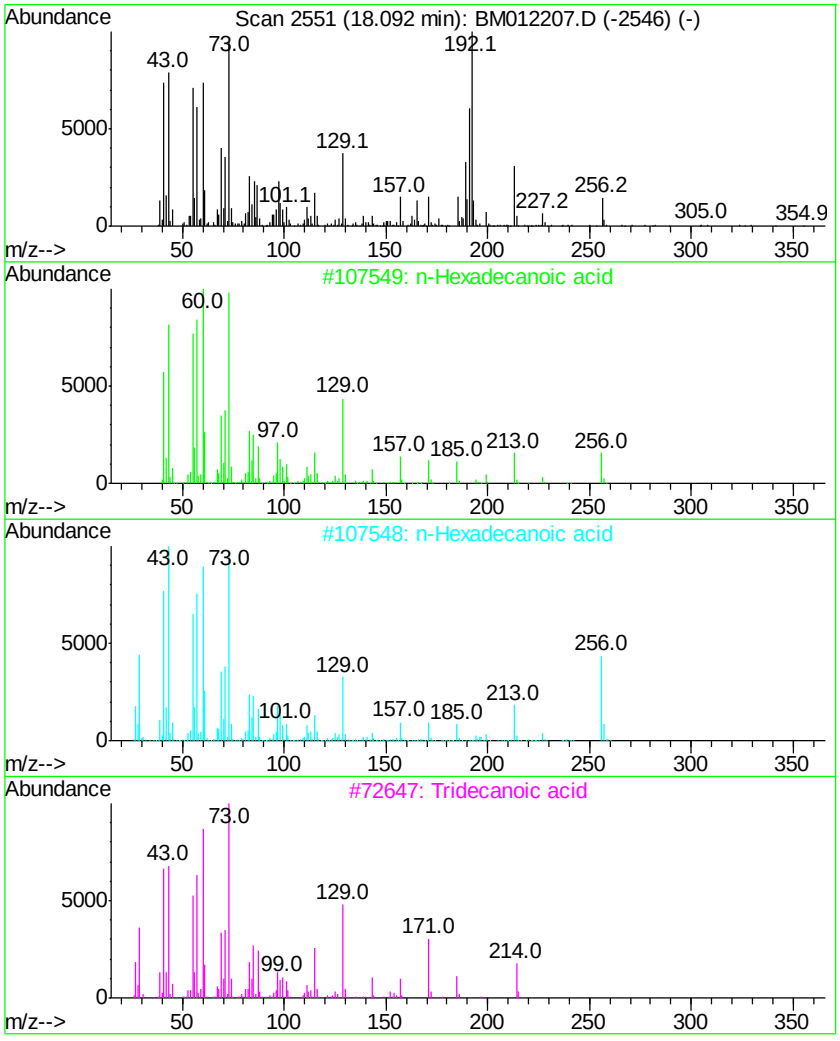
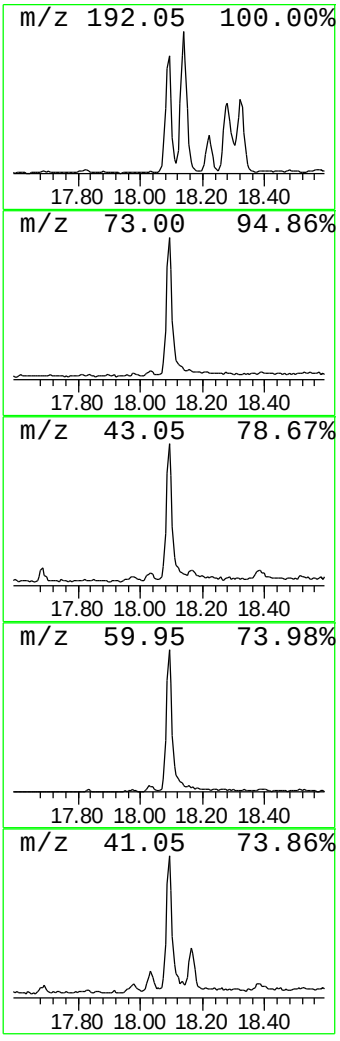
Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	9.28 ng/ul	1082790	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Tridecanoic acid	214	C13H26O2	000638-53-9	84





Library Search Compound Report

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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

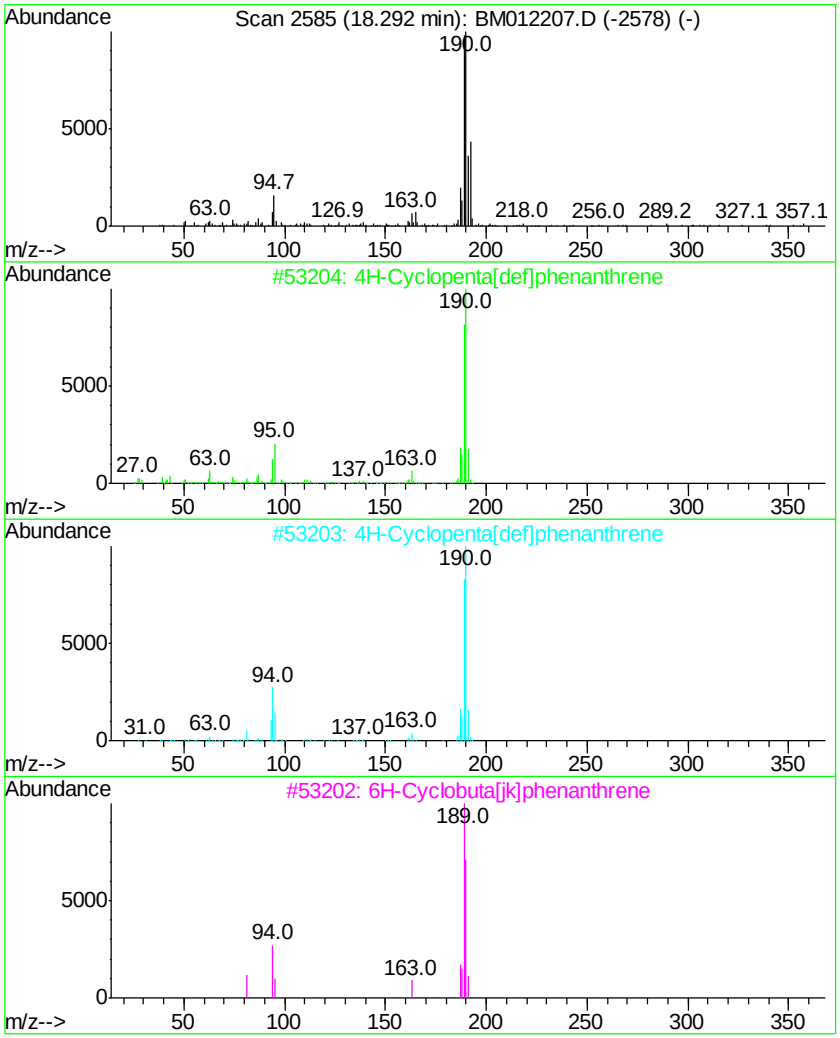
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

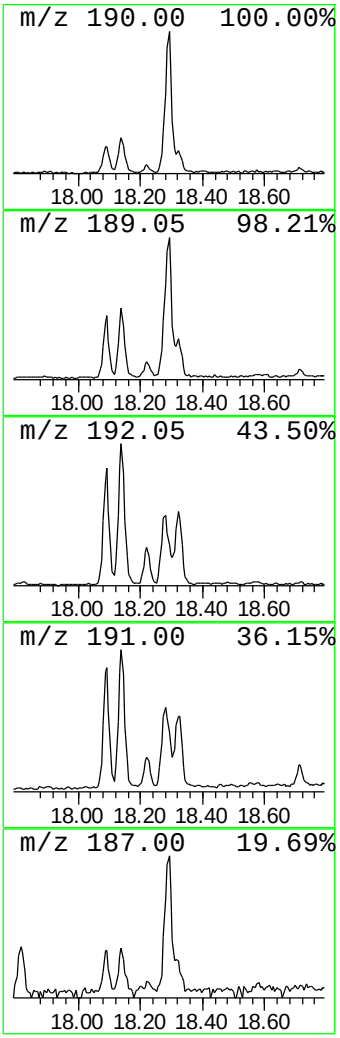
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.47 ng/ul	404868	Phenanthrene-d10	17.22

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	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40





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ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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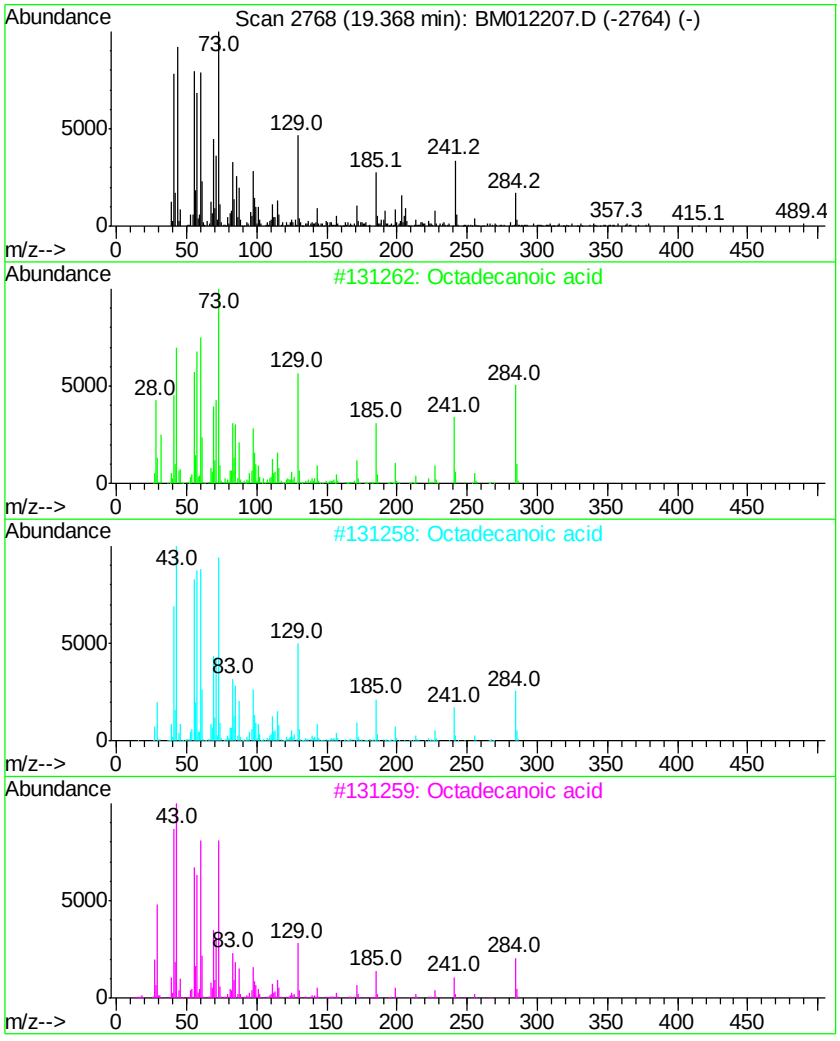
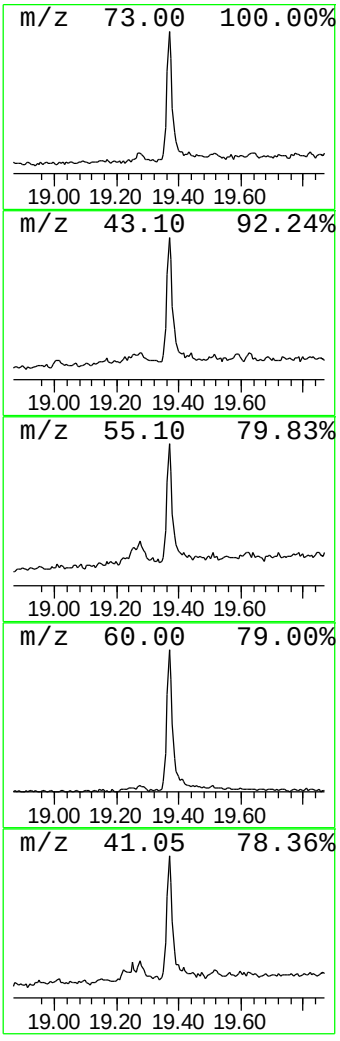
Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	3.60 ng/ul	700849	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	Octadecanoic acid	284	C18H36O2	000057-11-4	95





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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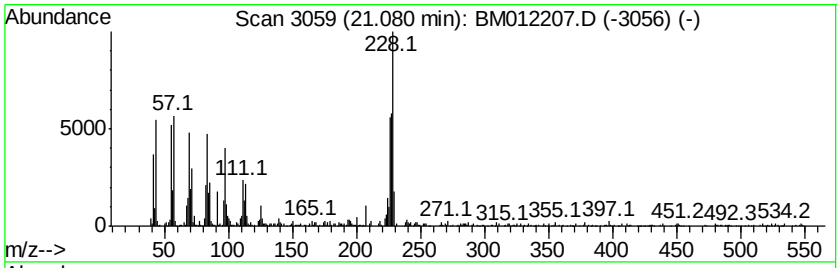
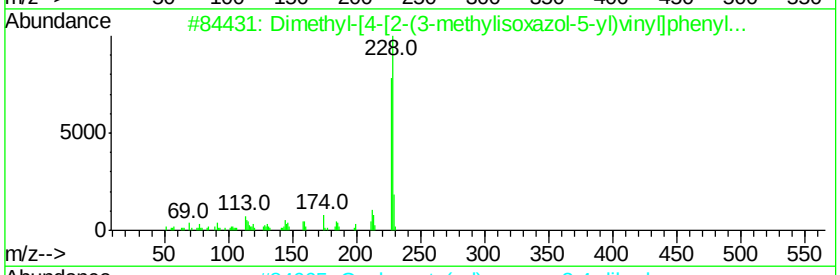
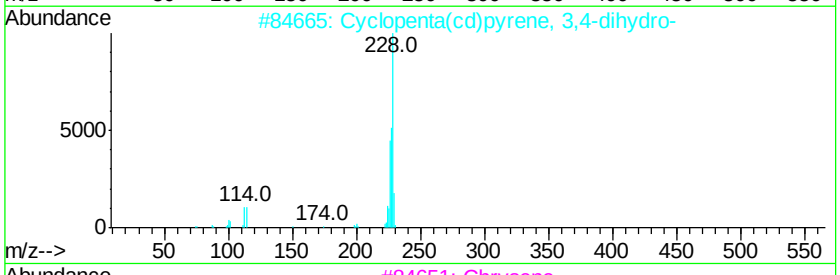
Peak Number 5 unknown-01 Concentration Rank 5

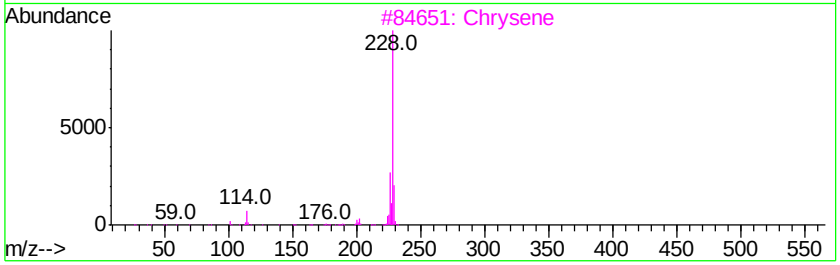
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.28 ng/ul	443842	Chrysene-d12	21.40

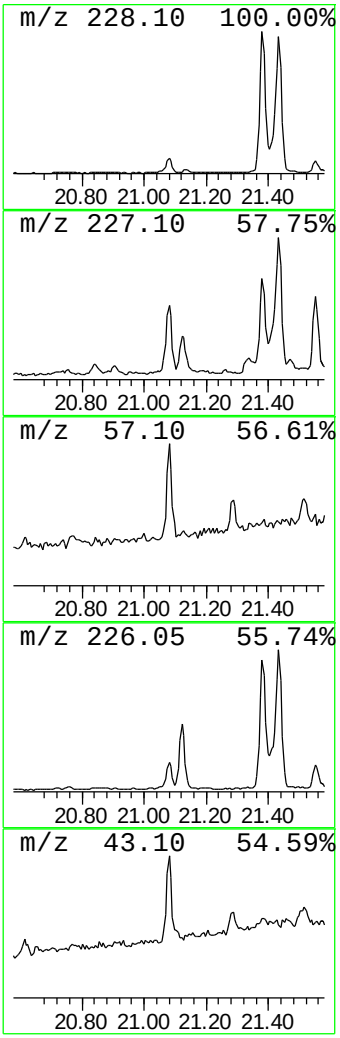
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	41
3	Chrysene	228	C18H12	000218-01-9	38
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	35
5	6,7-Dimethylthieno[2,3-b]quinoli...	228	C13H12N2S	1000306-62-3	35











Tentatively Identified Compound (LSC) summary

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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
n-Hexadecanoic acid	18.09	9.3	ng/ul	1082790	4	17.22	2334240	20.0
4H-Cyclopenta[def...	18.29	3.5	ng/ul	404868	4	17.22	2334240	20.0
Octadecanoic acid	19.37	3.6	ng/ul	700849	5	21.40	3891090	20.0
unknown-01	21.08	2.3	ng/ul	443842	5	21.40	3891090	20.0