LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

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:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.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	6.846	650	656	676	rVB	358796	643857	15.51%	1.148%
2	7.011	676	684	698	rBV	308836	488994	11.78%	0.872%
3	7.205	710	717	729	rVB	377942	624524	15.04%	1.113%
4	7.669	788	796	806	rBV	563925	938725	22.61%	1.673%
5	8.369	909	915	931	rBV	449843	781165	18.81%	1.392%
6	8.816	984	991	1004	rBV	369129	629571	15.16%	1.122%
7	9.534	1106	1113	1124	rBV	285123	494918	11.92%	0.882%
8	10.069	1197	1204	1218	rBV	448655	833562	20.07%	1.486%
9	10.434	1259	1266	1272	rBV	890725	1521038	36.63%	2.711%
10	10.487	1272	1275	1283	rVB	160378	238475	5.74%	0.425%
11	10.581	1284	1291	1302	rBV	409638	755854	18.20%	1.347%
12	12.104	1544	1550	1562	rVB	97674	160185	3.86%	0.286%
13	12.328	1578	1588	1600	rVB	91162	153206	3.69%	0.273%
14	13.475	1774	1783	1790	rBV4	34881	92635	2.23%	0.165%
15	13.622	1801	1808	1812	rBV	69676	121324	2.92%	0.216%
16	13.675	1812	1817	1818	rVV	40153	52287	1.26%	0.093%
17	13.710	1818	1823	1827	rVV	991969	1369578	32.98%	2.441%
18	13.757	1827	1831	1841	rVB	384580	557581	13.43%	0.994%
19	13.857	1841	1848	1851	rBV3	33674	54093	1.30%	0.096%
20	13.987	1863	1870	1883	rBV	1128536	1770237	42.63%	3.156%
21	14.298	1912	1923	1929	rBV2	1396928	2107619	50.76%	3.757%
22	14.363	1929	1934	1943	rVB	119209	194940	4.69%	0.347%
23	14.522	1955	1961	1969	rBV	254049	534550	12.87%	0.953%
24	14.581	1969	1971	1981	rVB8	34092	72736	1.75%	0.130%
25	14.704	1986	1992	1996	rBV	150238	238112	5.73%	0.424%
26	15.292	2086	2092	2098	rBV	1528794	2151395	51.81%	3.835%
27	15.351	2098	2102	2110	rVB	246097	348711	8.40%	0.622%
28	15.428	2110	2115	2122	rBV	348547	549356	13.23%	0.979%
29	15.645	2148	2152	2160	rVB2	49795	79589	1.92%	0.142%
30	15.792	2169	2177	2186	rVB2	53979	115176	2.77%	0.205%
31	16.028	2212	2217	2224	rBV5	26981	48621	1.17%	0.087%
32	16.357	2266	2273	2278	rBV3	44700	89636	2.16%	0.160%
33	16.704	2328	2332	2340	rVB	44717	71774	1.73%	0.128%
34	16.781	2340	2345	2349	rBV4	23769	49877	1.20%	0.089%

LSC Area Percent Report

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Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

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:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

35	16.869	2355	2360	2369	rVB	110368	174744	4.21%	0.311%
36	17.045	2384	2390	2394	rBV	1737531	2622844	63.16%	4.675%
37	17.087	2394	2397	2402	rVV	1728050	2472388	59.54%	4.407%
38	17.145	2402	2407	2411	rVV	1671148	2452578	59.06%	4.372%
39	17.181	2411	2413	2419	rVV	302665	343410	8.27%	0.612%
40	17.245	2419	2424	2429	rVV3	35462	58082	1.40%	0.104%
41	17.451	2449	2459	2464	rBV2	159342	285868	6.88%	0.510%
42	17.569	2474	2479	2485	rBV3	32649	56331	1.36%	0.100%
43	17.628	2485	2489	2499	rVB3	39925	64850	1.56%	0.116%
44	17.922	2530	2539	2542	rBV	213984	326798	7.87%	0.583%
45	17.969	2542	2547	2554	rVV	305369	521140	12.55%	0.929%
46	18.051	2557	2561	2566	rVV2	63792	100155	2.41%	0.179%
47	18.116	2566	2572	2576	rVV2	275366	477134	11.49%	0.851%
48	18.157	2576	2579	2587	rVB	140652	192065	4.63%	0.342%
49	18.245	2588	2594	2597	rBV6	21233	44035	1.06%	0.078%
50	18.428	2621	2625	2629	rVV	132096	182036	4.38%	0.324%
51	18.475	2629	2633	2639	rVB2	93769	138148	3.33%	0.246%
52	18.675	2660	2667	2671	rBV2	96220	143276	3.45%	0.255%
53	18.728	2671	2676	2679	rVV	40442	63206	1.52%	0.113%
54	18.763	2679	2682	2686	rVB2	34250	42669	1.03%	0.076%
55	18.845	2692	2696	2700	rBV	89693	137199	3.30%	0.245%
56	18.916	2701	2708	2710	rVV5	54967	130239	3.14%	0.232%
57	18.939	2710	2712	2716	rVV	52897	57605	1.39%	0.103%
58	18.986	2716	2720	2729	rVV4	53078	113455	2.73%	0.202%
59	19.110	2733	2741	2748	rVV	1667434	2257703	54.37%	4.025%
60	19.175	2748	2752	2755	rVV3	39332	54409	1.31%	0.097%
61	19.210	2755	2758	2761	rVV	39237	54167	1.30%	0.097%
62	19.263	2764	2767	2770	rVB	44865	56604	1.36%	0.101%
63	19.445	2792	2798	2801	rBV2	2212623	3362806	80.98%	5.994%
64	19.475	2801	2803	2812	rVV	1527025	1795192	43.23%	3.200%
65	19.557	2812	2817	2822	rVB2	83369	142895	3.44%	0.255%
66	19.657	2829	2834	2841	rBV	75334	143690	3.46%	0.256%
67	19.722	2841	2845	2849	rVB	63350	93536	2.25%	0.167%
68	19.810	2854	2860	2866	rBV3	96436	237473	5.72%	0.423%
69	19.898	2871	2875	2878	rBV	107685	126278	3.04%	0.225%
70	19.945	2878	2883	2884	rVV2	60445	100157	2.41%	0.179%
71	19.975	2884	2888	2892	rVB	187133	271851	6.55%	0.485%

LSC Area Percent Report

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Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

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:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

72	20.075	2901	2905	2909	rBV	173239	207919	5.01%	0.371%
73	20.133	2909	2915	2920	rVV2	148507	240412	5.79%	0.429%
74	20.275	2935	2939	2942	rBV	83935	114058	2.75%	0.203%
75	20.322	2943	2947	2951	rVV	93861	134583	3.24%	0.240%
76	20.386	2955	2958	2961	rVV3	71486	91857	2.21%	0.164%
77	20.433	2963	2966	2974	rVB	93043	125174	3.01%	0.223%
78	20.504	2974	2978	2981	rBV2	48302	65798	1.58%	0.117%
79	20.733	3013	3017	3022	rVB	81745	132849	3.20%	0.237%
80	20.892	3040	3044	3047	rBV2	93046	134862	3.25%	0.240%
81	20.927	3047	3050	3054	rVB	97973	112576	2.71%	0.201%
82	20.975	3054	3058	3062	rBV2	132413	238241	5.74%	0.425%
83	21.245	3097	3104	3108	rBV2	2656981	4152461	100.00%	7.402%
84	21.280	3108	3110	3119	rVB	677341	831269	20.02%	1.482%
85	21.404	3127	3131	3137	rBV3	150399	227110	5.47%	0.405%
86	21.563	3154	3158	3163	rVB2	87065	130336	3.14%	0.232%
87	21.839	3202	3205	3211	rVB2	149431	208090	5.01%	0.371%
88	22.298	3279	3283	3294	rVB2	230289	376566	9.07%	0.671%
89	22.804	3363	3369	3374	rBV2	632251	1406415	33.87%	2.507%
90	22.974	3395	3398	3405	rVB	90719	139207	3.35%	0.248%
91	23.274	3444	3449	3452	rBV	298876	511882	12.33%	0.912%
92	23.327	3452	3458	3462	rBV	1341961	2478946	59.70%	4.419%
93	23.463	3474	3481	3487	rBV	1539105	2957316	71.22%	5.272%
94	23.986	3565	3570	3579	rVB	256193	511328	12.31%	0.911%
95	24.716	3688	3694	3705	rVB2	212231	484990	11.68%	0.865%
96	25.563	3834	3838	3848	rVB	132852	307624	7.41%	0.548%
97	25.674	3851	3857	3870	rVB2	208022	570454	13.74%	1.017%
98	26.351	3967	3972	3983	rVB	137124	375534	9.04%	0.669%

Sum of corrected areas: 56098774

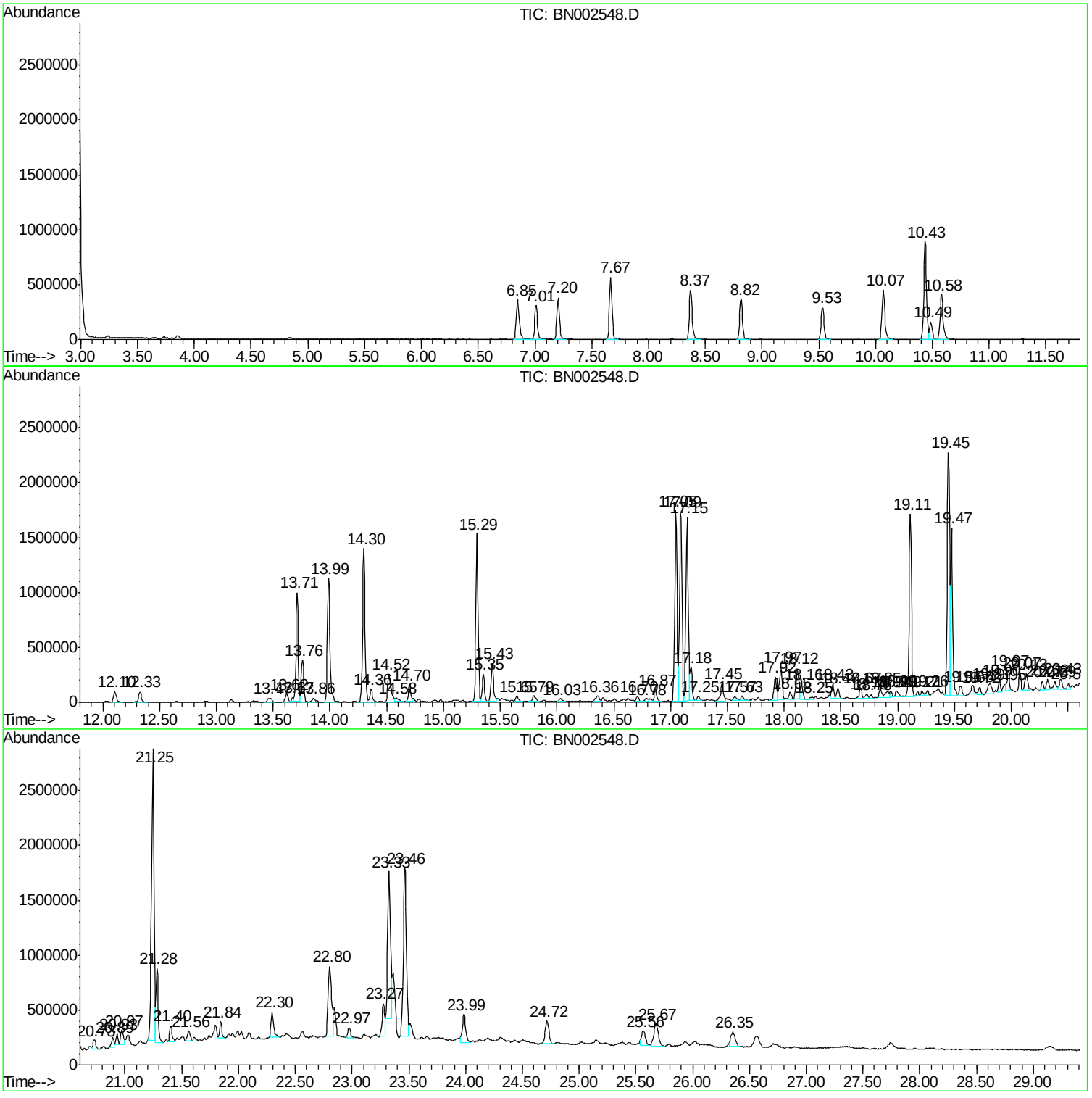
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

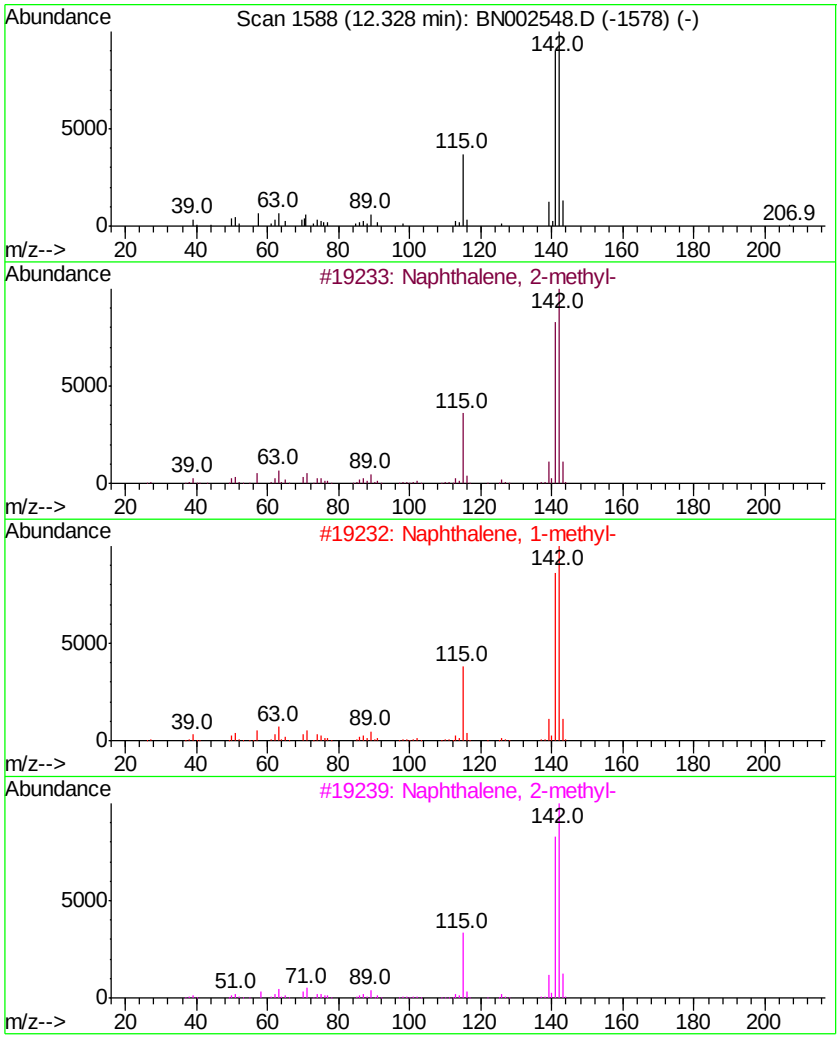
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

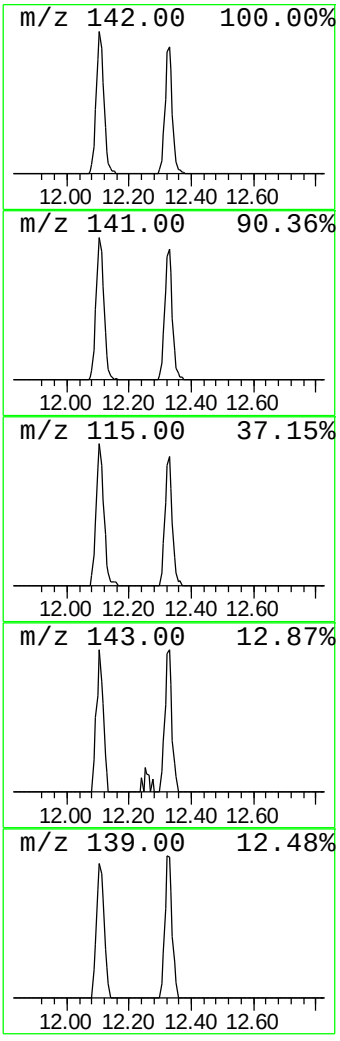
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.01 ng/ul	153206	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

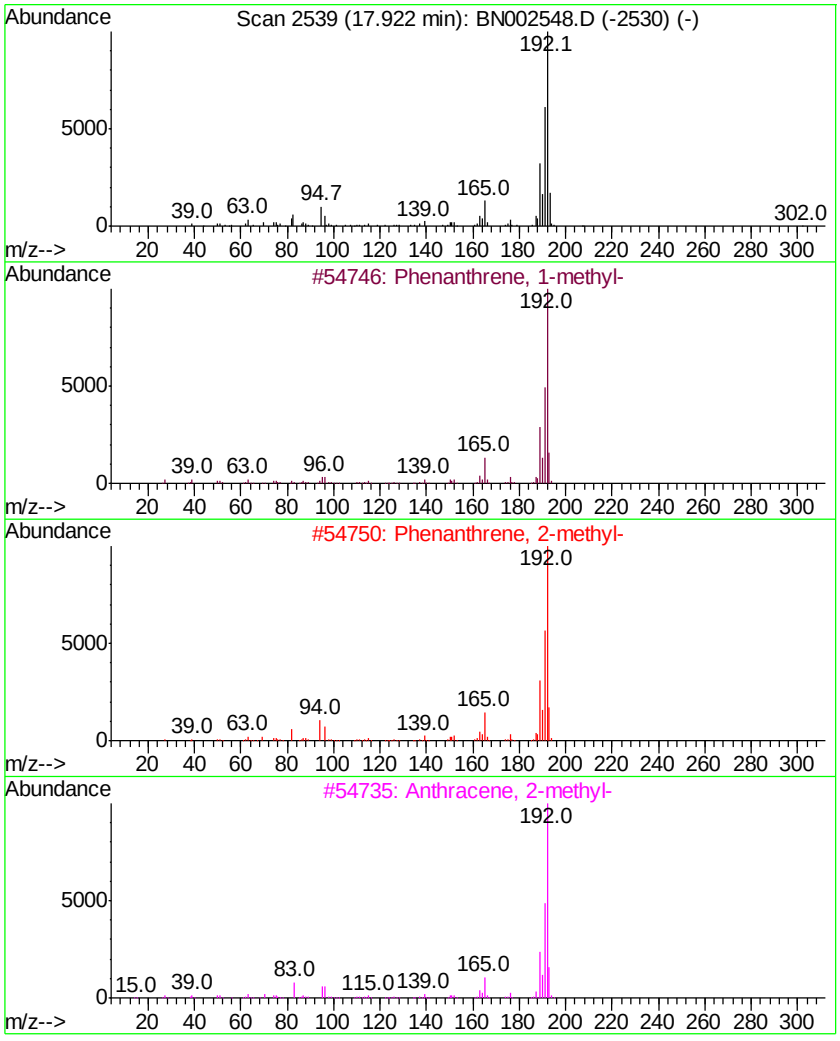
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

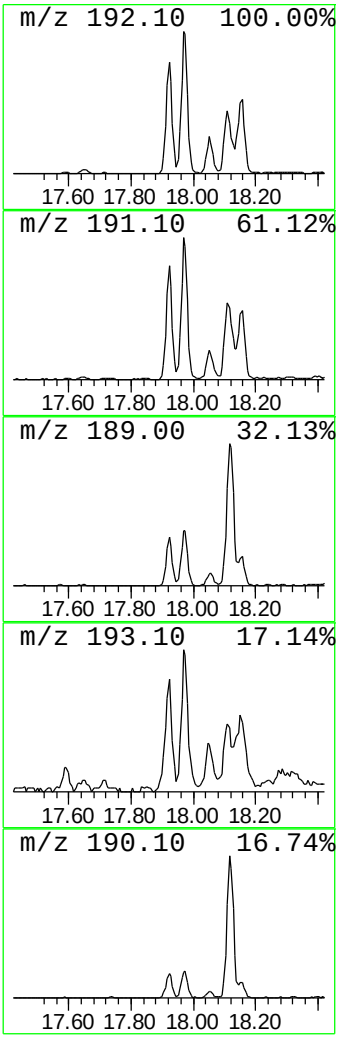
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.49 ng/ul	326798	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
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Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

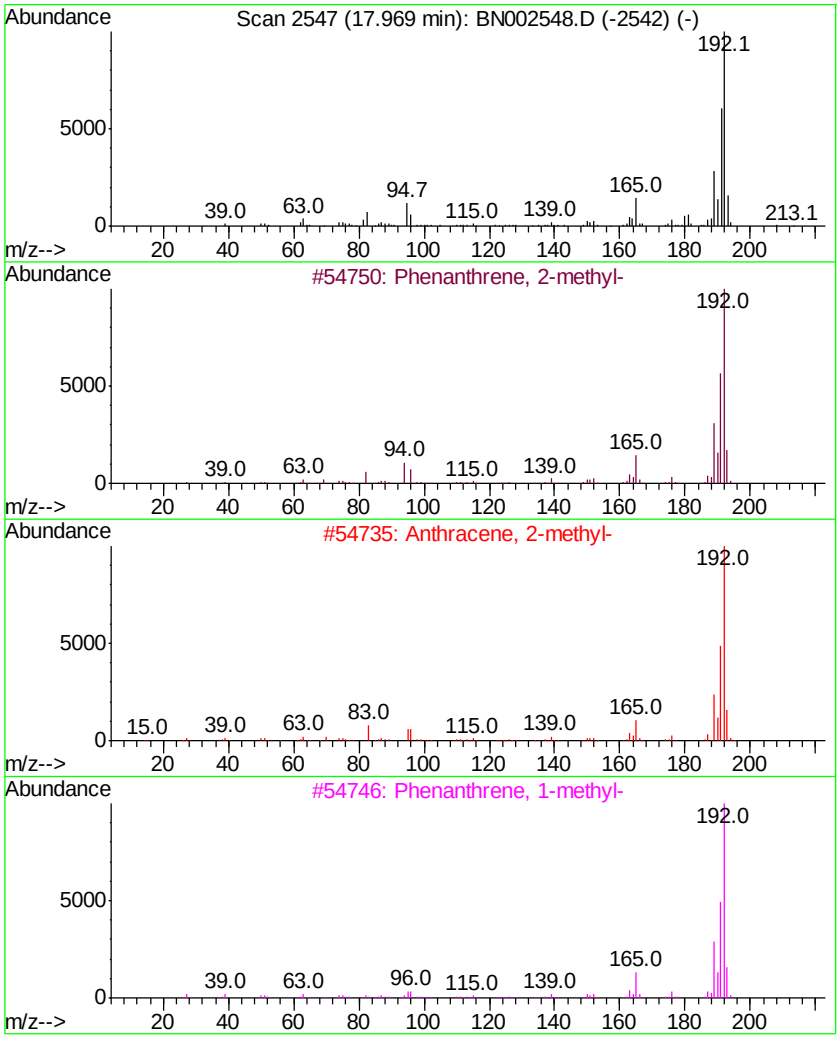
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

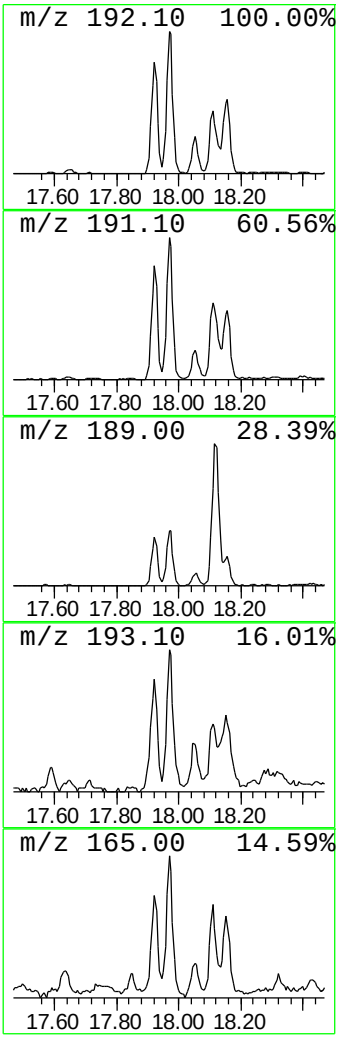
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	3.97 ng/ul	521140	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

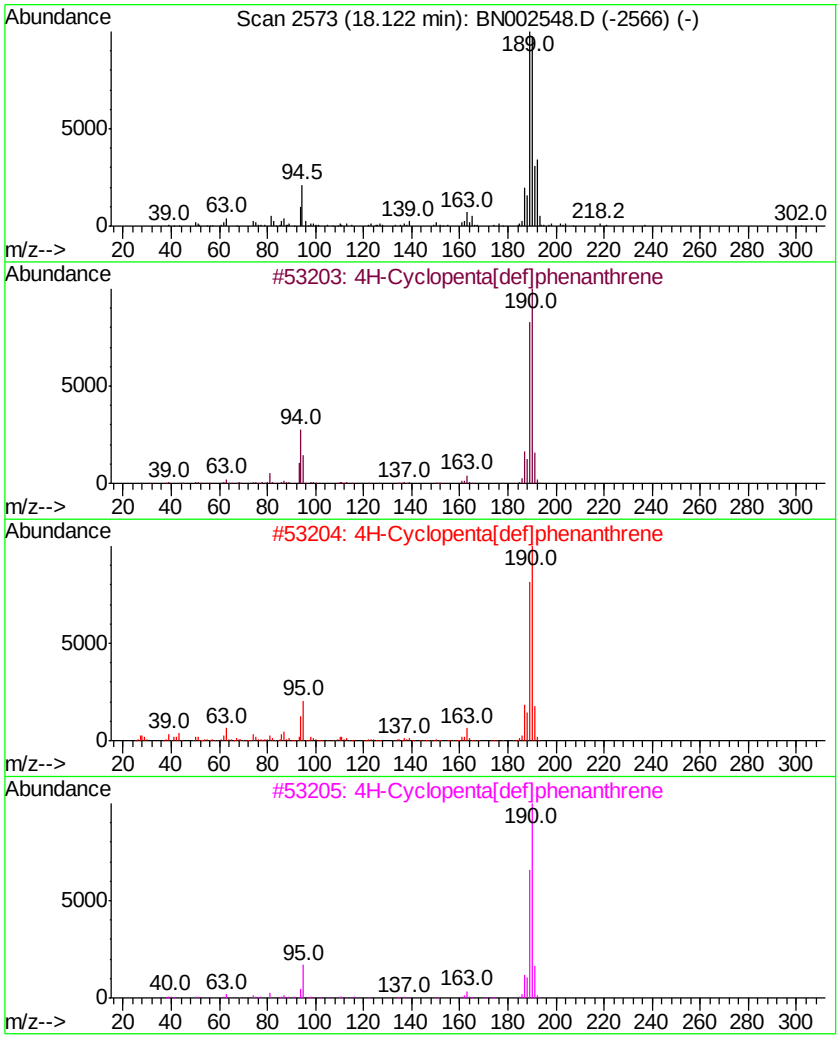
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

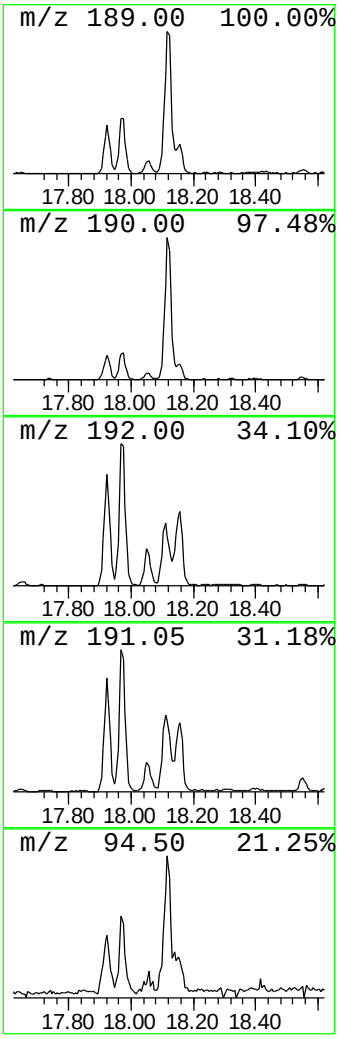
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.64 ng/ul	477134	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

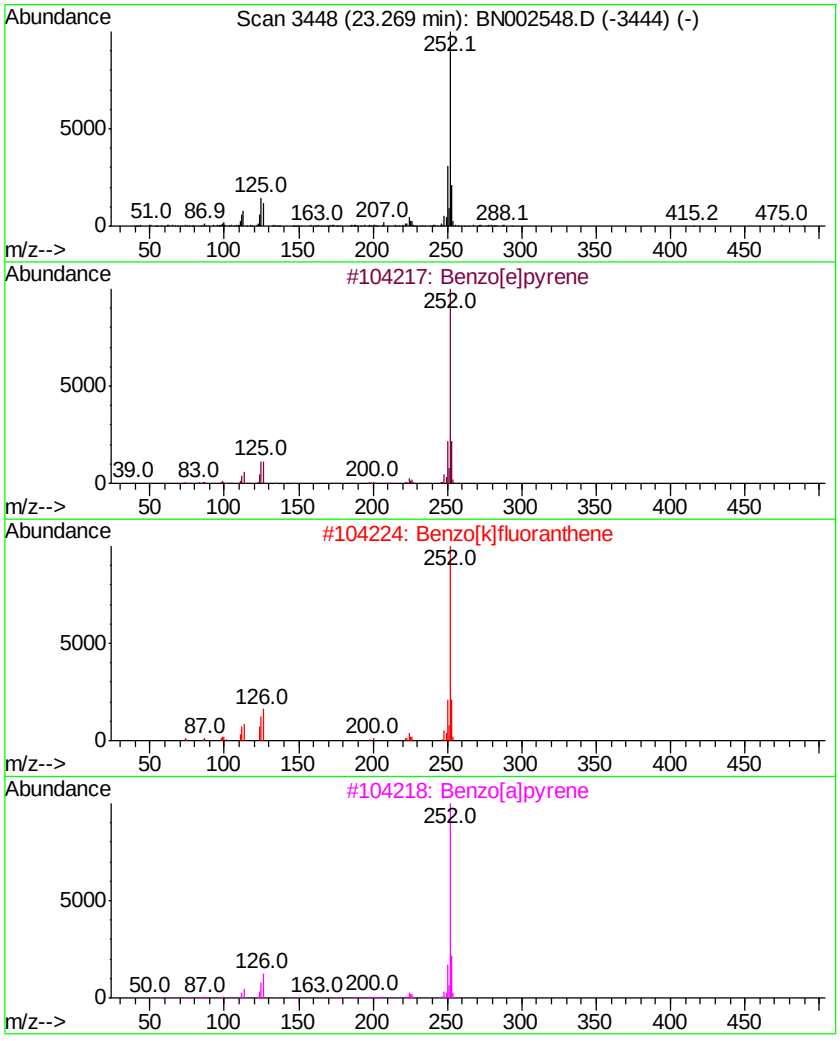
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

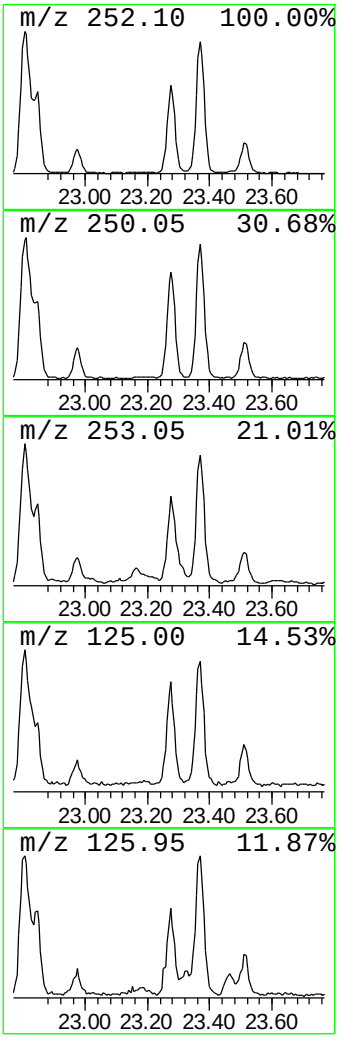
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	3.46 ng/ul	511882	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Perylene	252	C20H12	000198-55-0	95





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Data File : BN002548.D
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Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

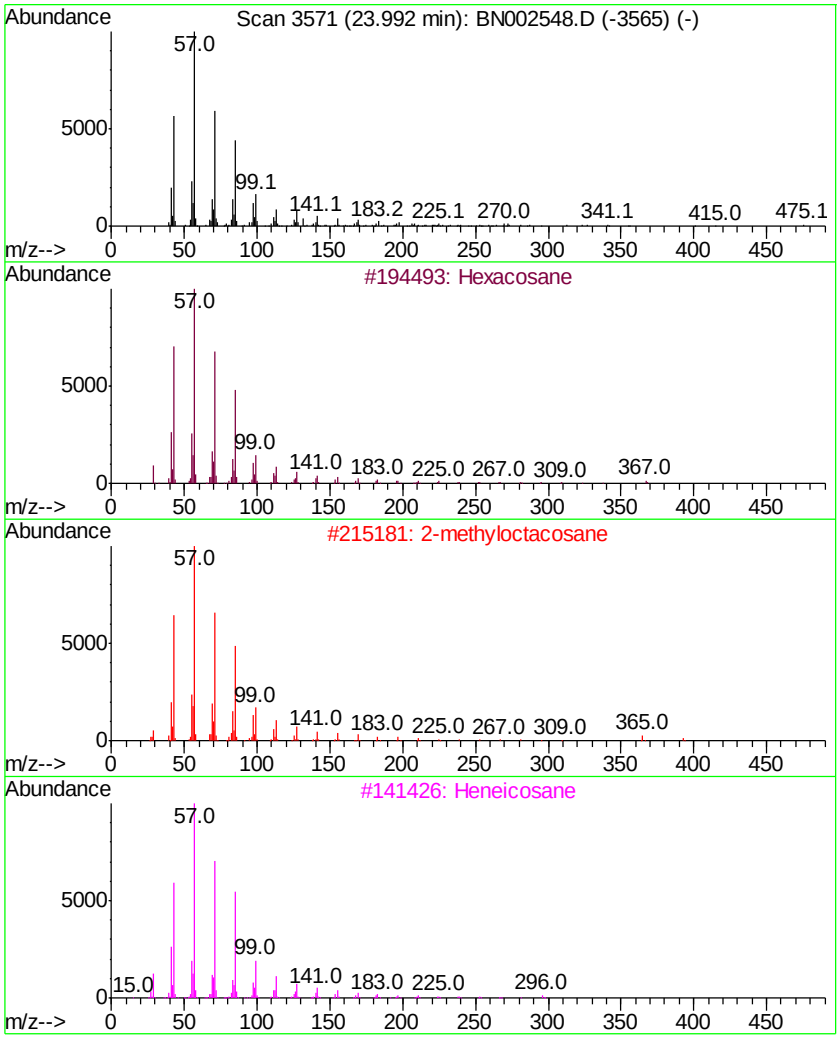
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

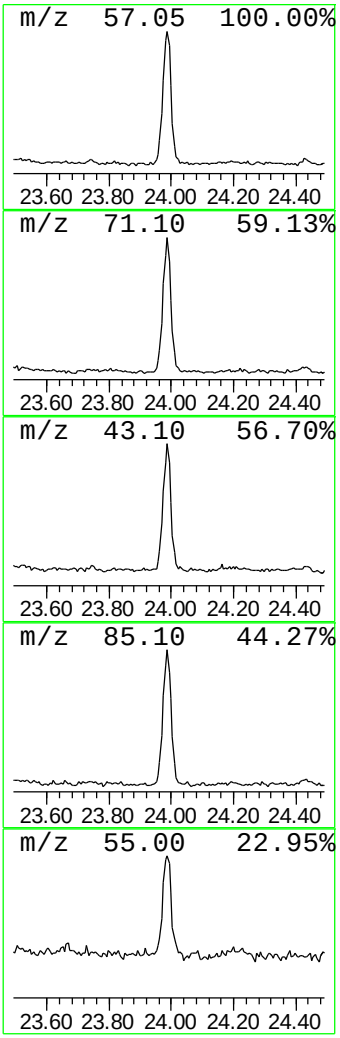
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.99	3.46 ng/ul	511328	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	2-methyloctacosane	408	C29H60	1000376-72-8	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

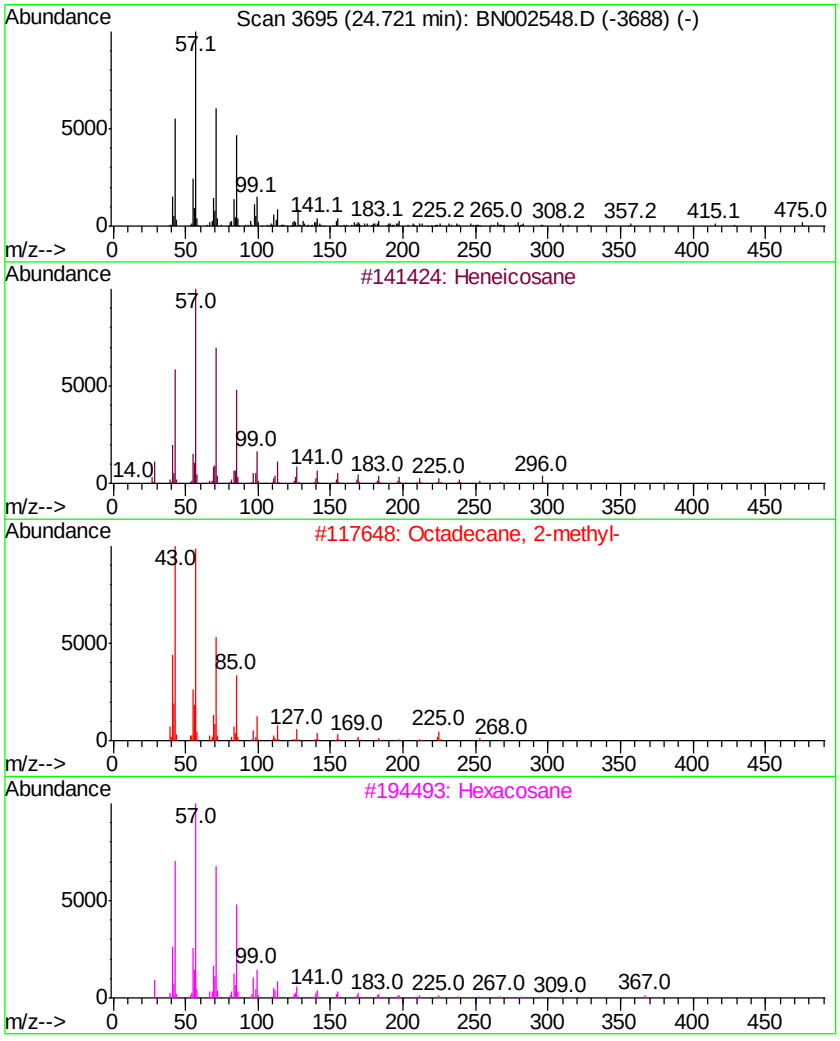
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

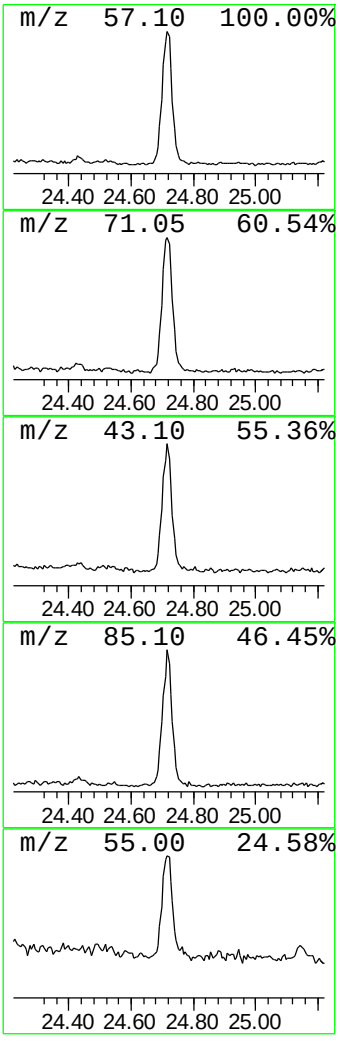
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.72	3.28 ng/ul	484990	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Triacontane	422	C30H62	000638-68-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

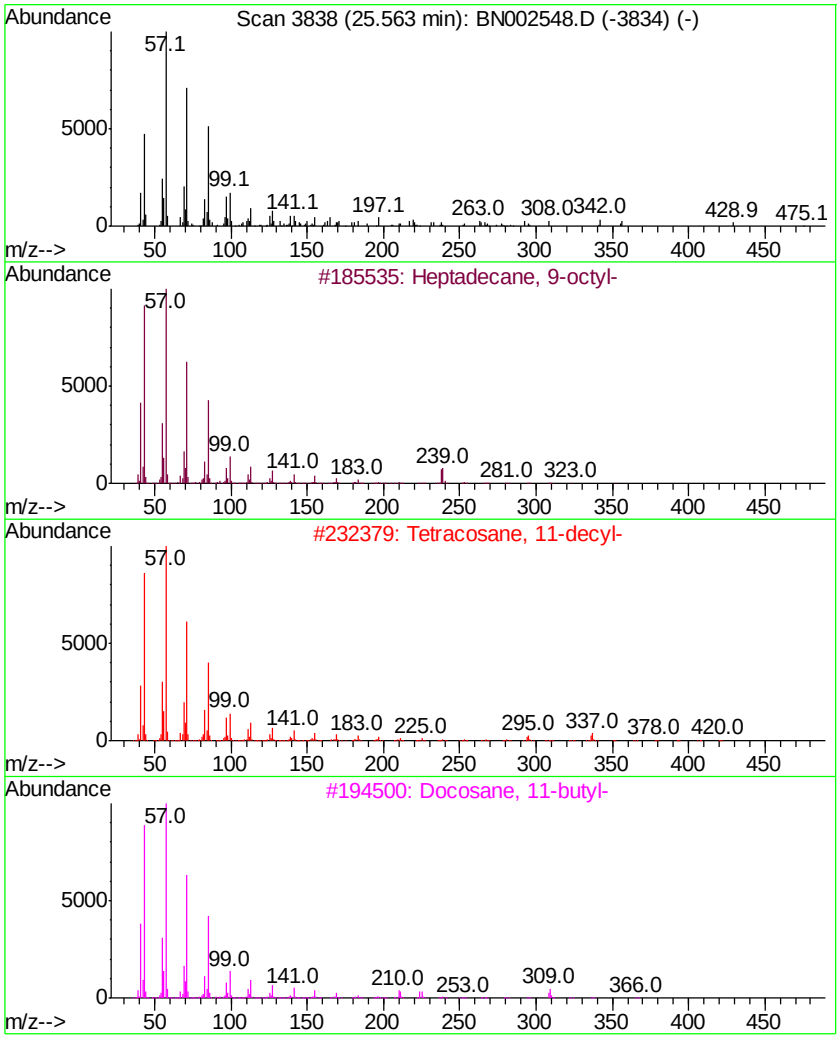
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

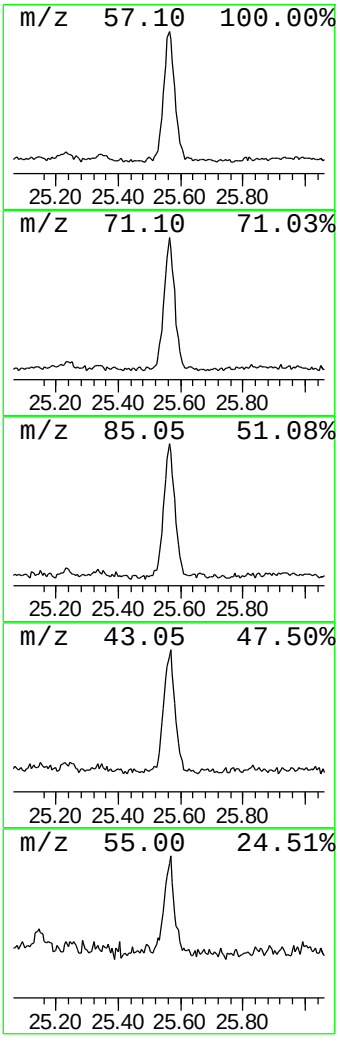
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.56	2.08 ng/ul	307624	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
2	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	87
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	87
4	Tetracosane	338	C24H50	000646-31-1	86
5	Docosane	310	C22H46	000629-97-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082918\
Data File : BN002548.D
Acq On : 29 Aug 2018 16:47
Operator : JU/SJ
Sample : J4596-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3Z33

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.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
Naphthalene, 1-me...	12.33	2.0	ng/ul	153206	2	10.43	1521040	20.0
Phenanthrene, 1-m...	17.92	2.5	ng/ul	326798	4	17.05	2622840	20.0
Phenanthrene, 2-m...	17.97	4.0	ng/ul	521140	4	17.05	2622840	20.0
4H-Cyclopenta[def...	18.12	3.6	ng/ul	477134	4	17.05	2622840	20.0
Benzo[e]pyrene	23.27	3.5	ng/ul	511882	6	23.46	2957320	20.0
(DEL) Alkane: Str...	23.99	3.5	ng/ul	511328	6	23.46	2957320	20.0
(DEL) Alkane: Str...	24.72	3.3	ng/ul	484990	6	23.46	2957320	20.0
(DEL) Alkane: Str...	25.56	2.1	ng/ul	307624	6	23.46	2957320	20.0