LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

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_M\METHODS\8270-BM121518.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	3.781	145	152	158	rBV2	49213	79254	1.59%	0.101%
2	4.681	301	305	314	rVB	101620	146346	2.93%	0.187%
3	5.134	375	382	400	rBV	2604863	3722044	74.61%	4.763%
4	6.710	642	650	662	rBV	2402016	4125904	82.70%	5.280%
5	7.034	698	705	715	rBV	2722570	4074689	81.68%	5.214%
6	7.128	715	721	726	rVB4	26162	52363	1.05%	0.067%
7	7.487	772	782	790	rBV	570453	899085	18.02%	1.151%
8	7.799	826	835	844	rVB	1960628	3001508	60.16%	3.841%
9	8.304	914	921	931	rVB3	25211	62929	1.26%	0.081%
10	8.646	970	979	993	rBV	1404993	2402674	48.16%	3.075%
11	9.604	1134	1142	1145	rBV4	20942	50135	1.00%	0.064%
12	10.251	1244	1252	1260	rBV	652026	1113025	22.31%	1.424%
13	12.098	1561	1566	1571	rBV3	29297	62853	1.26%	0.080%
14	12.151	1571	1575	1583	rVB3	41467	73254	1.47%	0.094%
15	12.528	1634	1639	1646	rVB3	35635	60723	1.22%	0.078%
16	12.751	1670	1677	1689	rBV	3425041	4988893	100.00%	6.384%
17	12.928	1701	1707	1710	rBV3	48243	85171	1.71%	0.109%
18	12.975	1710	1715	1726	rVV3	61481	206141	4.13%	0.264%
19	13.098	1729	1736	1745	rVB6	45269	107461	2.15%	0.138%
20	13.463	1792	1798	1803	rBV2	33545	67940	1.36%	0.087%
21	13.522	1803	1808	1814	rVB6	26990	61188	1.23%	0.078%
22	13.622	1817	1825	1835	rBV2	189069	437887	8.78%	0.560%
23	13.810	1851	1857	1862	rBV9	19405	51248	1.03%	0.066%
24	13.869	1862	1867	1872	rVB	63265	95200	1.91%	0.122%
25	14.039	1888	1896	1903	rBV3	48294	139901	2.80%	0.179%
26	14.151	1907	1915	1922	rBV3	864125	1351653	27.09%	1.730%
27	14.469	1960	1969	1976	rBV2	129578	233031	4.67%	0.298%
28	15.010	2058	2061	2072	rVB2	34570	72393	1.45%	0.093%
29	15.663	2166	2172	2180	rBV	2399982	3245380	65.05%	4.153%
30	15.898	2205	2212	2219	rBV10	40780	95482	1.91%	0.122%
31	16.039	2231	2236	2243	rBV10	20429	52315	1.05%	0.067%
32	16.104	2243	2247	2250	rBV3	55300	68824	1.38%	0.088%
33	16.210	2261	2265	2271	rBV7	47995	79872	1.60%	0.102%
34	16.339	2283	2287	2290	rBV3	76641	89673	1.80%	0.115%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

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_M\METHODS\8270-BM121518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.845	2368	2373	2377	rVB7	32715	55398	1.11%	0.071%
36	16.916	2379	2385	2389	rBV	882330	1234312	24.74%	1.579%
37	16.957	2389	2392	2399	rVV2	212240	344112	6.90%	0.440%
38	17.098	2412	2416	2421	rBV	131836	182460	3.66%	0.233%
39	17.298	2446	2450	2458	rVB5	35742	85039	1.70%	0.109%
40	17.833	2536	2541	2548	rBV2	566330	824760	16.53%	1.055%
41	17.986	2563	2567	2572	rBV4	183614	302601	6.07%	0.387%
42	18.757	2695	2698	2705	rBV3	64188	92579	1.86%	0.118%
43	18.845	2706	2713	2723	rVB2	482477	860848	17.26%	1.102%
44	19.133	2757	2762	2769	rBV3	761979	1106290	22.18%	1.416%
45	19.357	2796	2800	2803	rBV	144142	193231	3.87%	0.247%
46	19.398	2803	2807	2817	rVB	521116	753225	15.10%	0.964%
47	19.568	2831	2836	2843	rBV	3565758	4968043	99.58%	6.357%
48	19.710	2856	2860	2864	rBV	622765	733710	14.71%	0.939%
49	19.751	2864	2867	2874	rVB3	258044	431021	8.64%	0.552%
50	19.851	2879	2884	2888	rBV2	2043693	2697793	54.08%	3.452%
51	19.886	2888	2890	2892	rVB	142037	124383	2.49%	0.159%
52	20.057	2916	2919	2925	rVB3	243610	298052	5.97%	0.381%
53	20.133	2928	2932	2937	rBV	2242614	2548155	51.08%	3.261%
54	20.186	2937	2941	2944	rBV	505929	610319	12.23%	0.781%
55	20.292	2954	2959	2963	rBV3	919798	1279616	25.65%	1.637%
56	20.386	2972	2975	2979	rVB4	285642	343458	6.88%	0.440%
57	20.451	2979	2986	2992	rVV	1168523	2236424	44.83%	2.862%
58	20.498	2992	2994	2998	rVB4	181768	206551	4.14%	0.264%
59	20.598	3008	3011	3015	rVB	1150607	1268041	25.42%	1.623%
60	20.662	3019	3022	3026	rBV	515084	583654	11.70%	0.747%
61	20.857	3051	3055	3063	rVB2	3027458	4425772	88.71%	5.663%
62	20.927	3063	3067	3072	rBV2	663020	858024	17.20%	1.098%
63	20.980	3074	3076	3080	rVV3	191677	204257	4.09%	0.261%
64	21.162	3104	3107	3113	rVB2	2404629	2953414	59.20%	3.779%
65	21.298	3127	3130	3133	rBV2	301530	401517	8.05%	0.514%
66	21.474	3156	3160	3165	rVB2	1049829	1288608	25.83%	1.649%
67	21.521	3166	3168	3173	rVB	397465	440467	8.83%	0.564%
68	21.592	3177	3180	3184	rBV2	465080	510833	10.24%	0.654%
69	21.745	3203	3206	3215	rVB	2579444	3737566	74.92%	4.783%
70	22.139	3270	3273	3276	rBV3	407287	542719	10.88%	0.694%
71	22.386	3313	3315	3324	rVB2	524140	705678	14.14%	0.903%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-SS014-0612-01

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_M\METHODS\8270-BM121518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	22.651	3356	3360	3364	rBV	1157747	1579196	31.65%	2.021%
73	22.698	3364	3368	3377	rVB	1184642	1932953	38.75%	2.473%
74	23.309	3468	3472	3482	rVB2	756118	1432044	28.70%	1.832%
75	23.792	3550	3554	3562	rVB	777160	1313531	26.33%	1.681%

Sum of corrected areas: 78147093

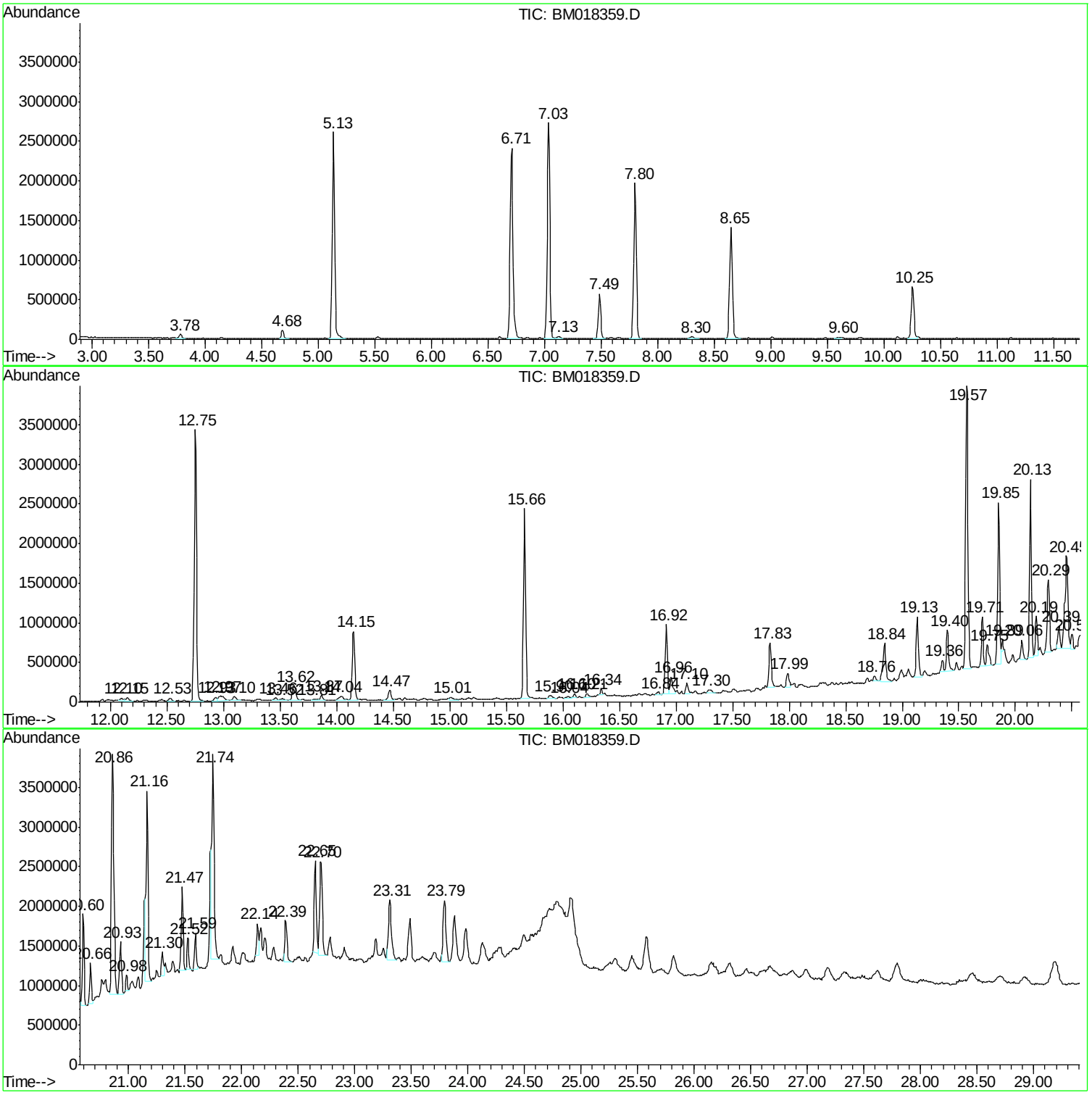
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

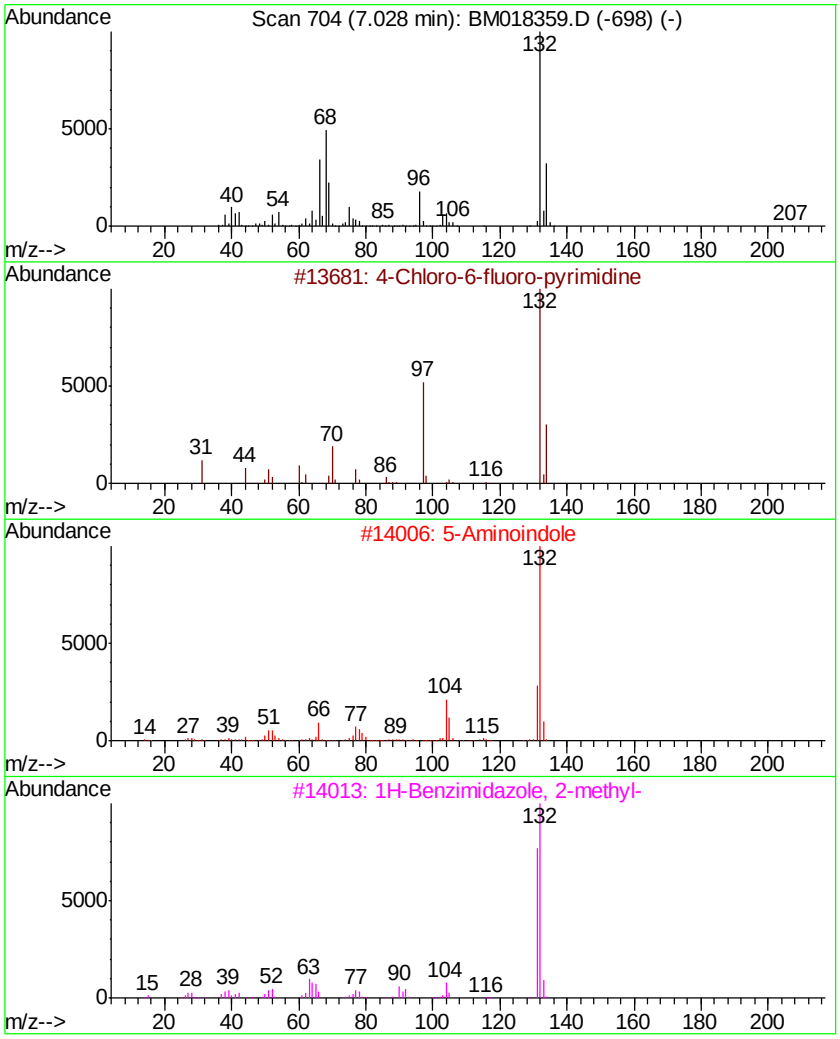
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

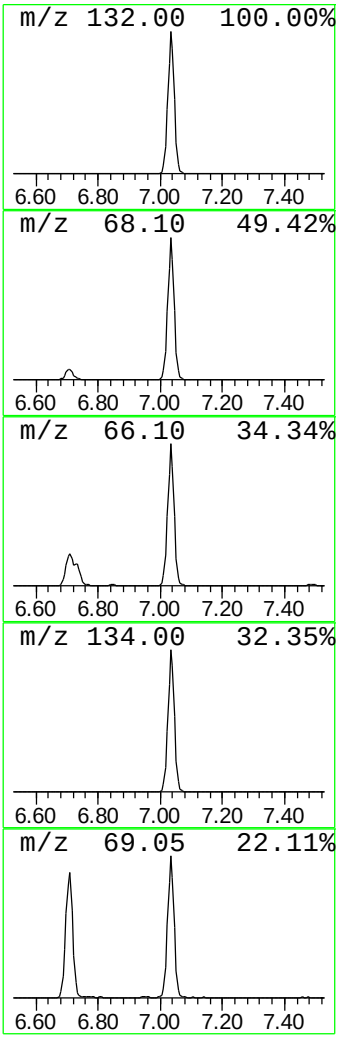
****

Peak Number 1 unknown7.03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	90.64 ng	4074690	1,4-Dichlorobenzene-d4	7.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

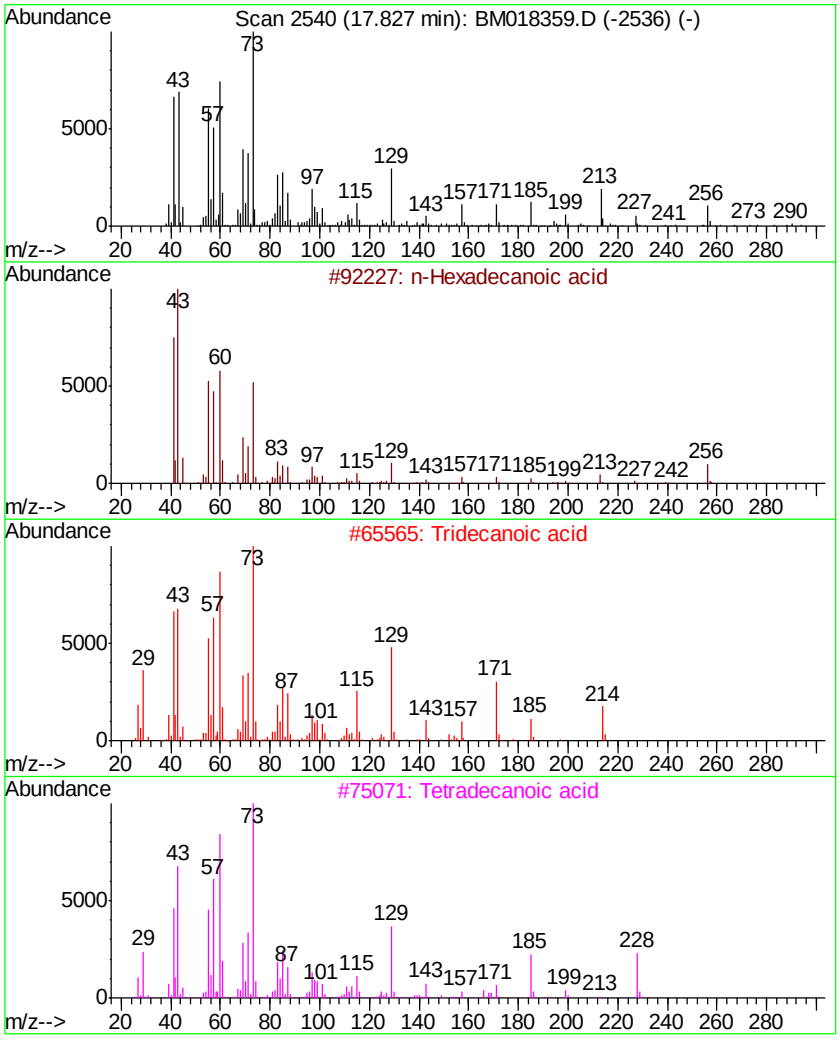
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

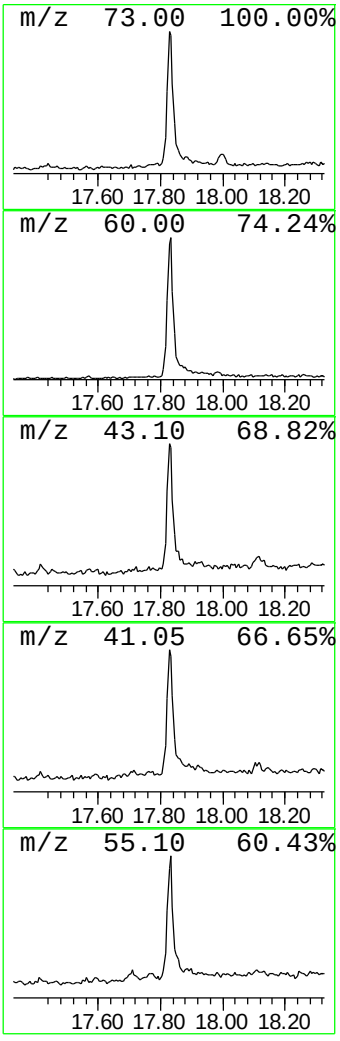
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	13.36 ng	824760	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
5	Dodecanoic acid	200	C12H24O2	000143-07-7	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

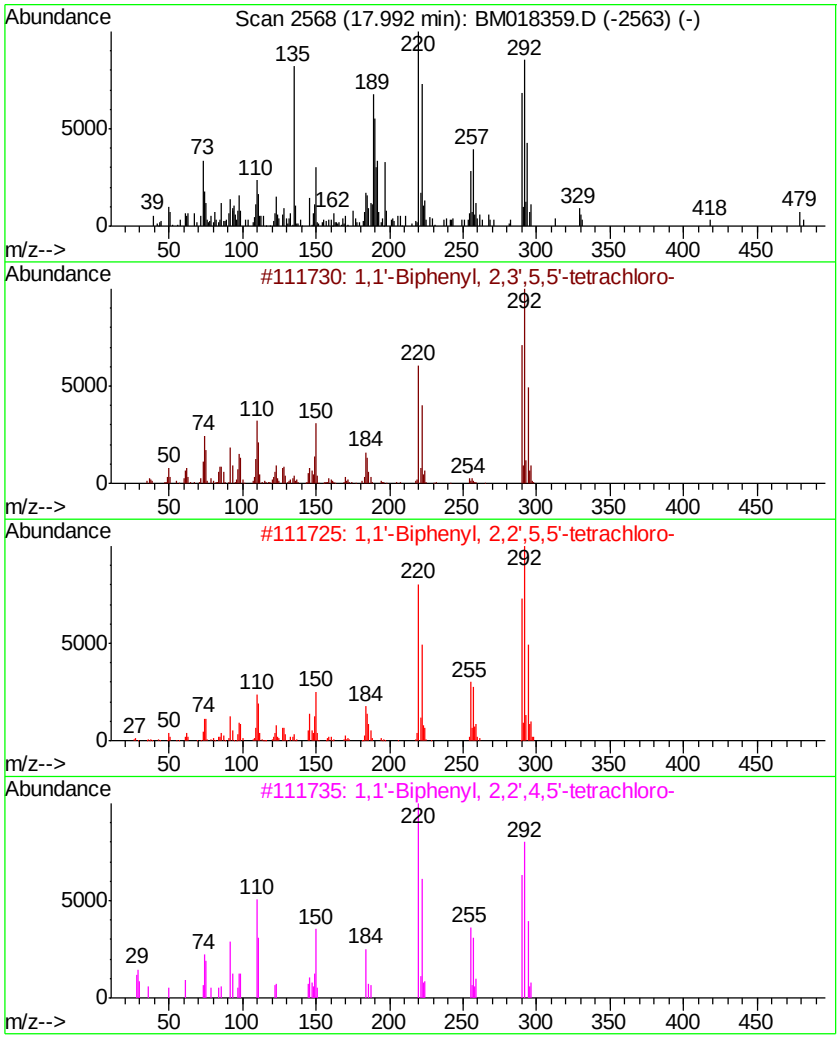
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

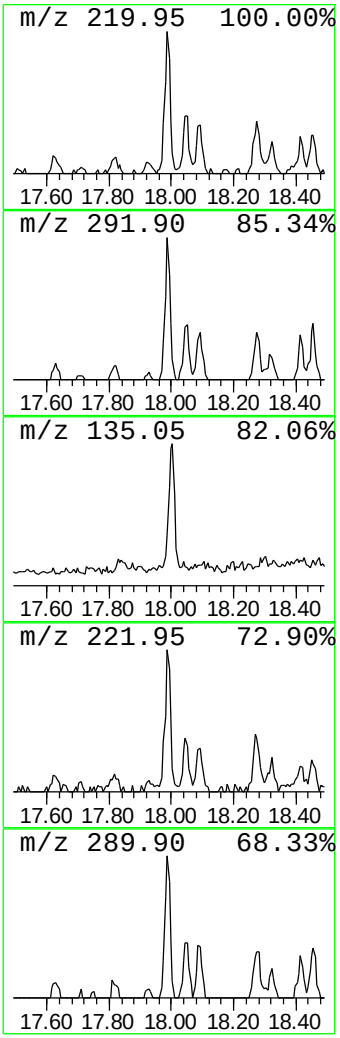
****

Peak Number 4 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.90 ng	302601	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	96
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	95
5	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	92





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
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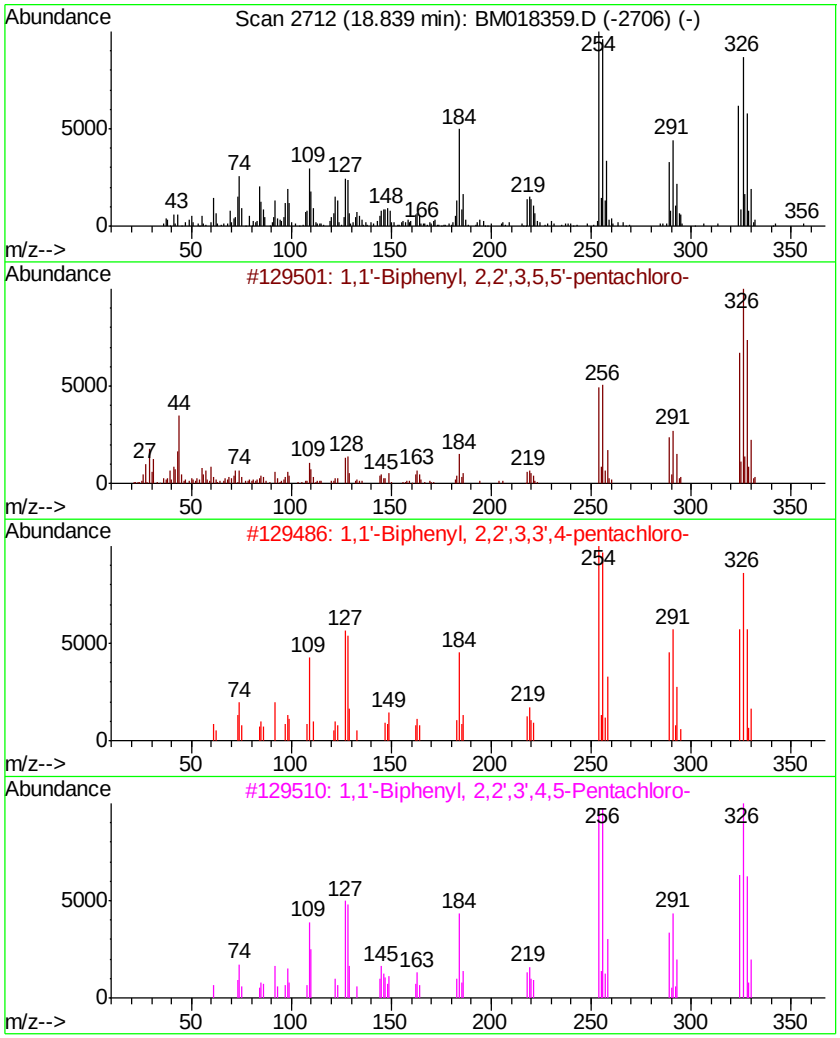
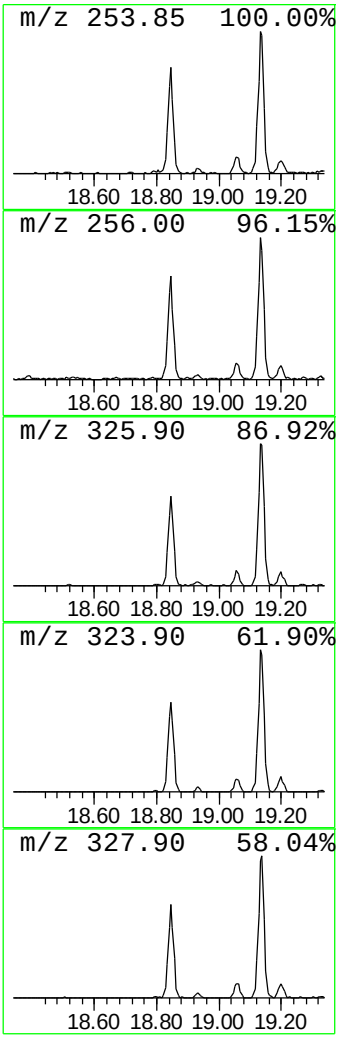
Peak Number 5 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	13.95 ng	860848	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	98
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	98
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	97





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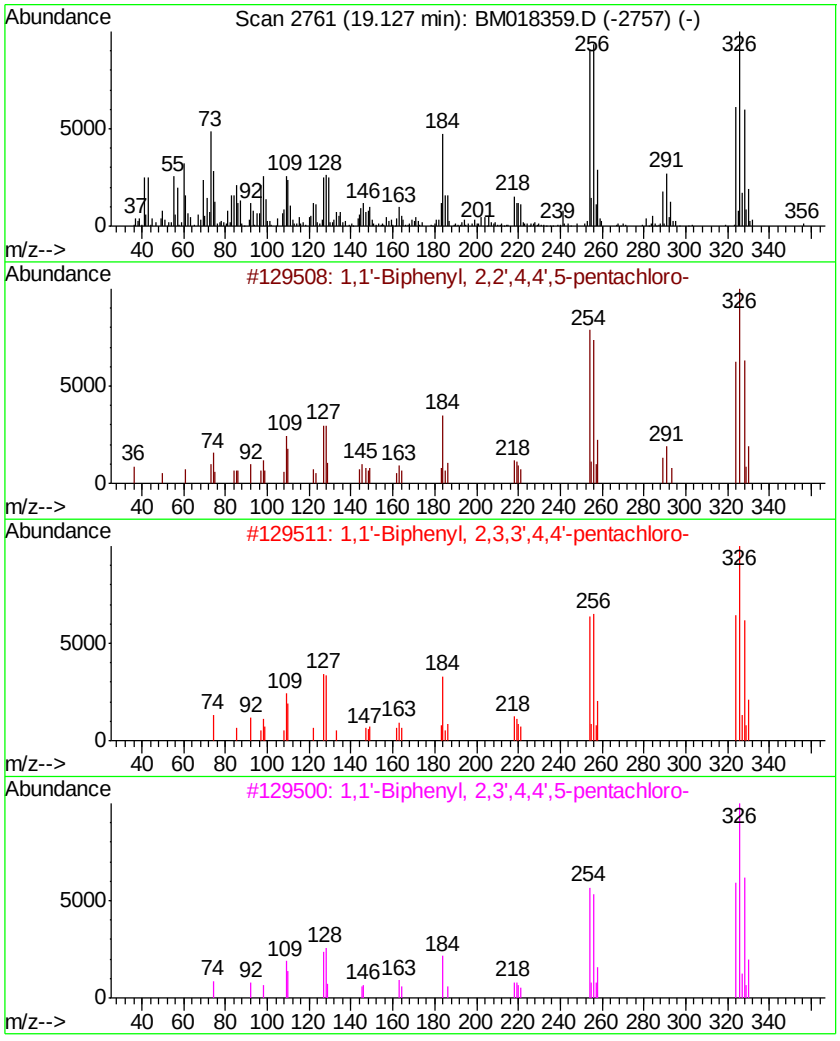
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

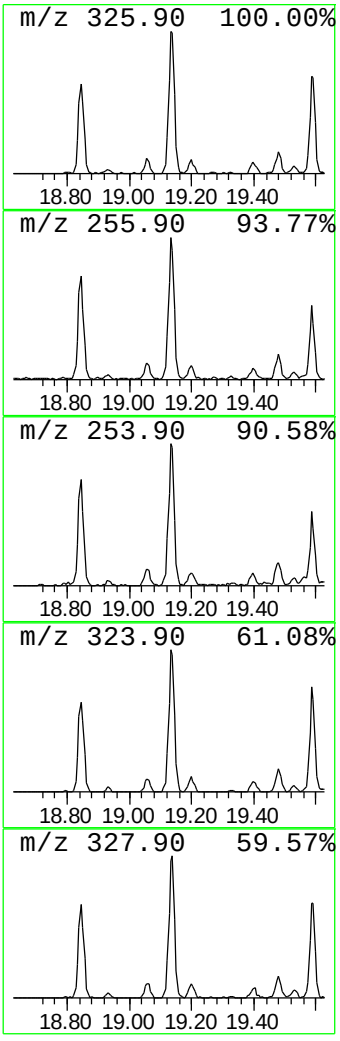
****

Peak Number 6 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	7.49 ng	1106290	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

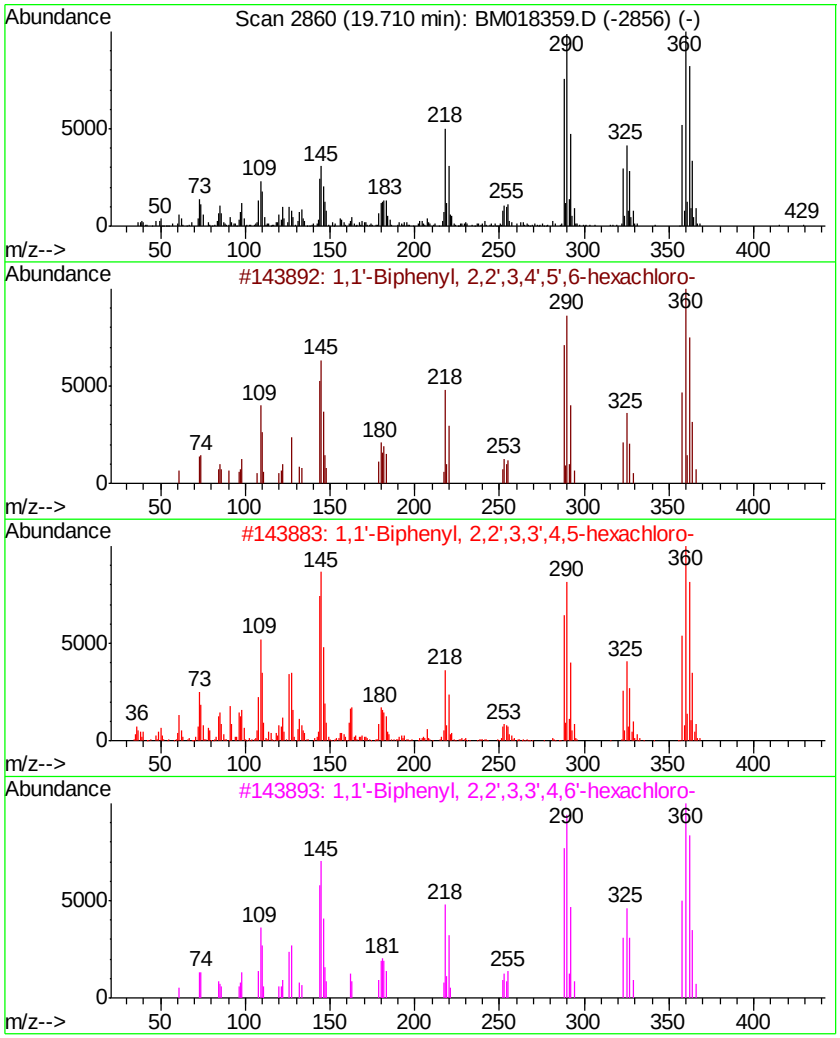
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

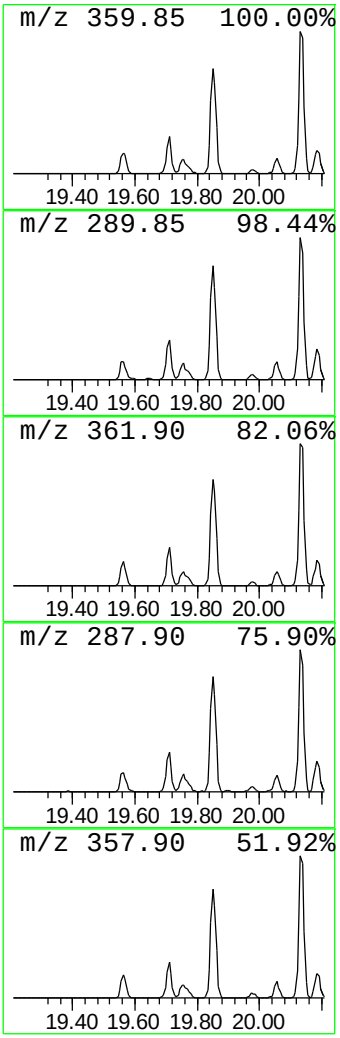
****

Peak Number 7 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	4.97 ng	733710	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
2	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
3	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99





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Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

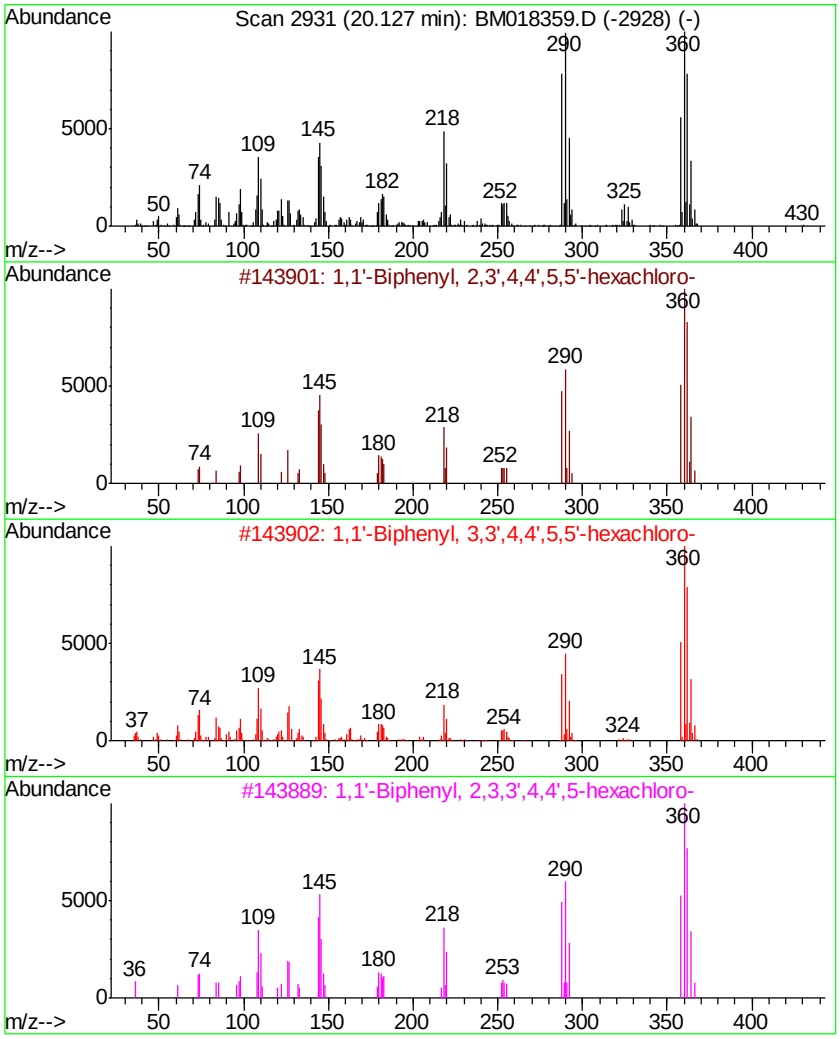
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

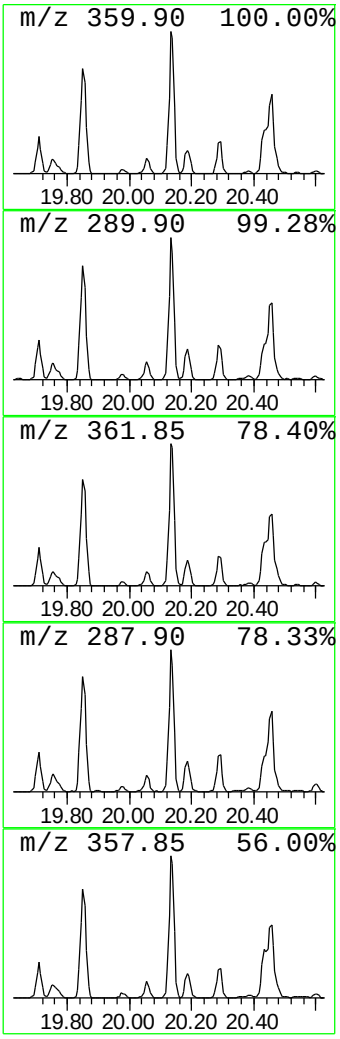
****

Peak Number 9 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	17.26 ng	2548160	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	98





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Sample : J6389-10
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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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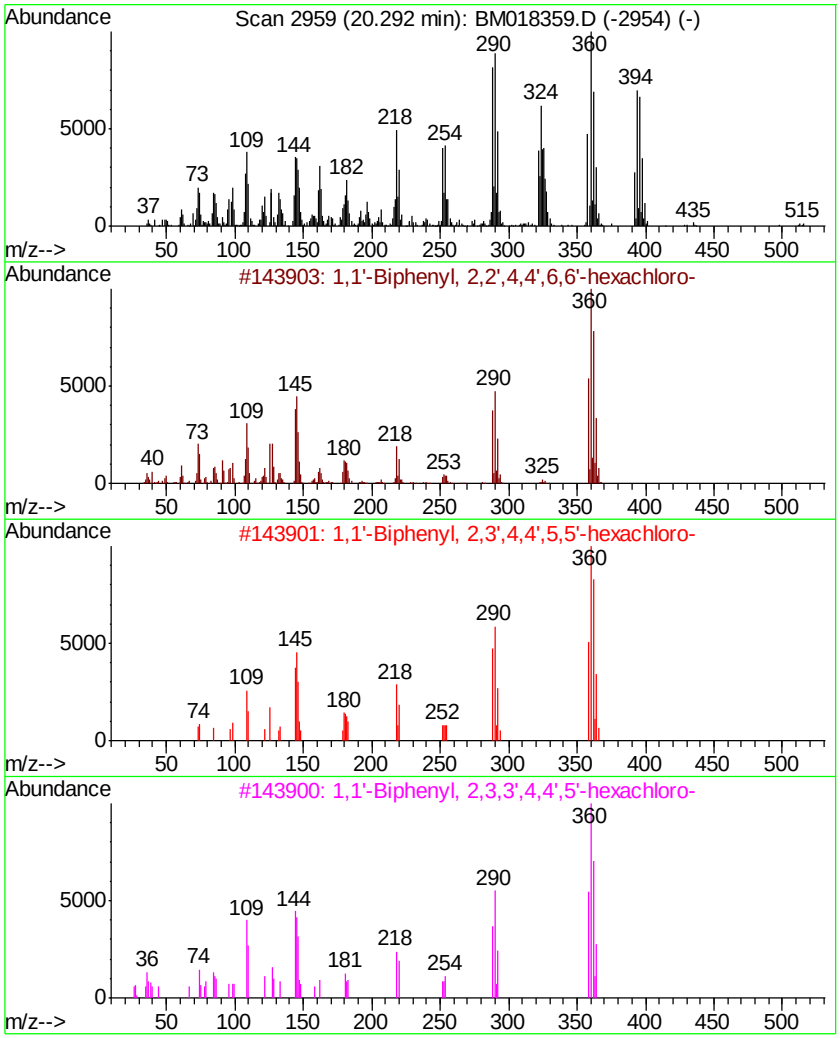
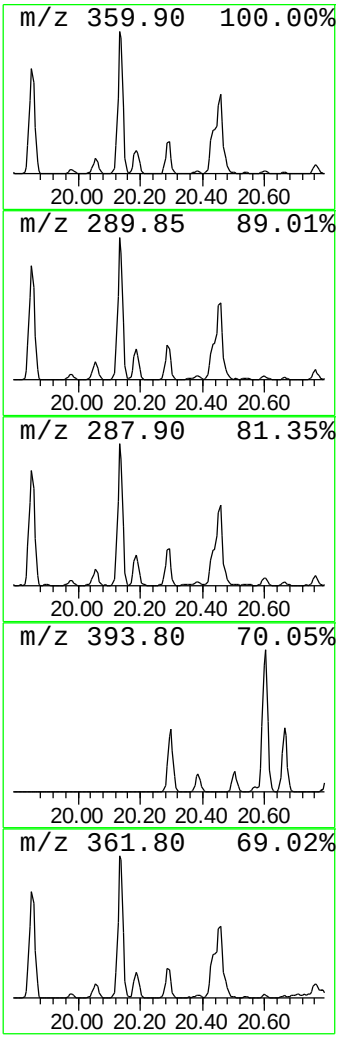
Peak Number 10 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	8.67 ng	1279620	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	96
2	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	95
3	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	94
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	94
5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	94





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Sample : J6389-10
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Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

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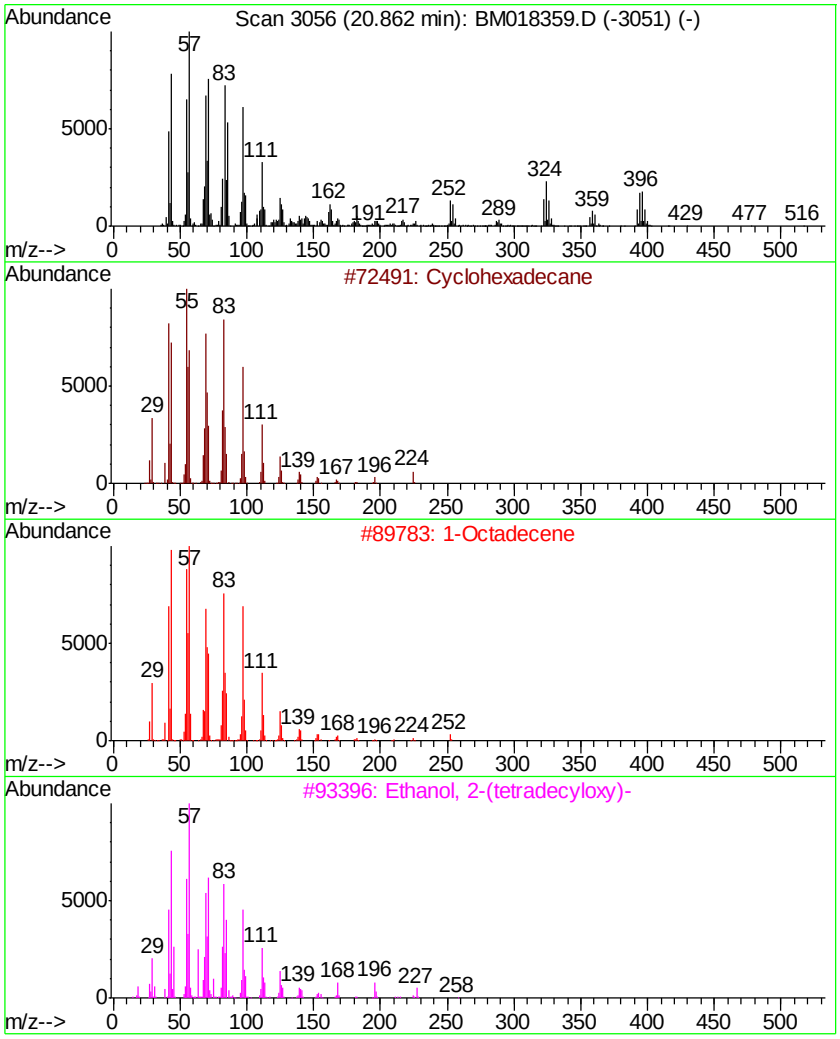
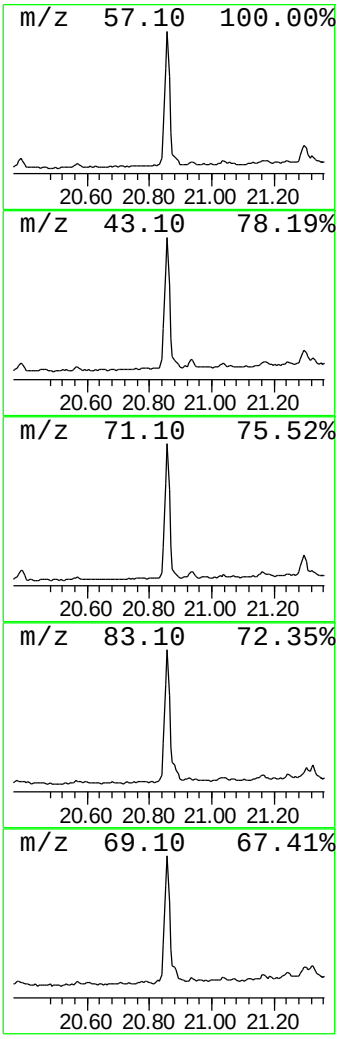
Peak Number 13 Cyclohexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	29.97 ng	4425770	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	1-Octadecene	252	C18H36	000112-88-9	93
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
4	17-Pentatriacontene	491	C35H70	006971-40-0	91
5	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	76





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Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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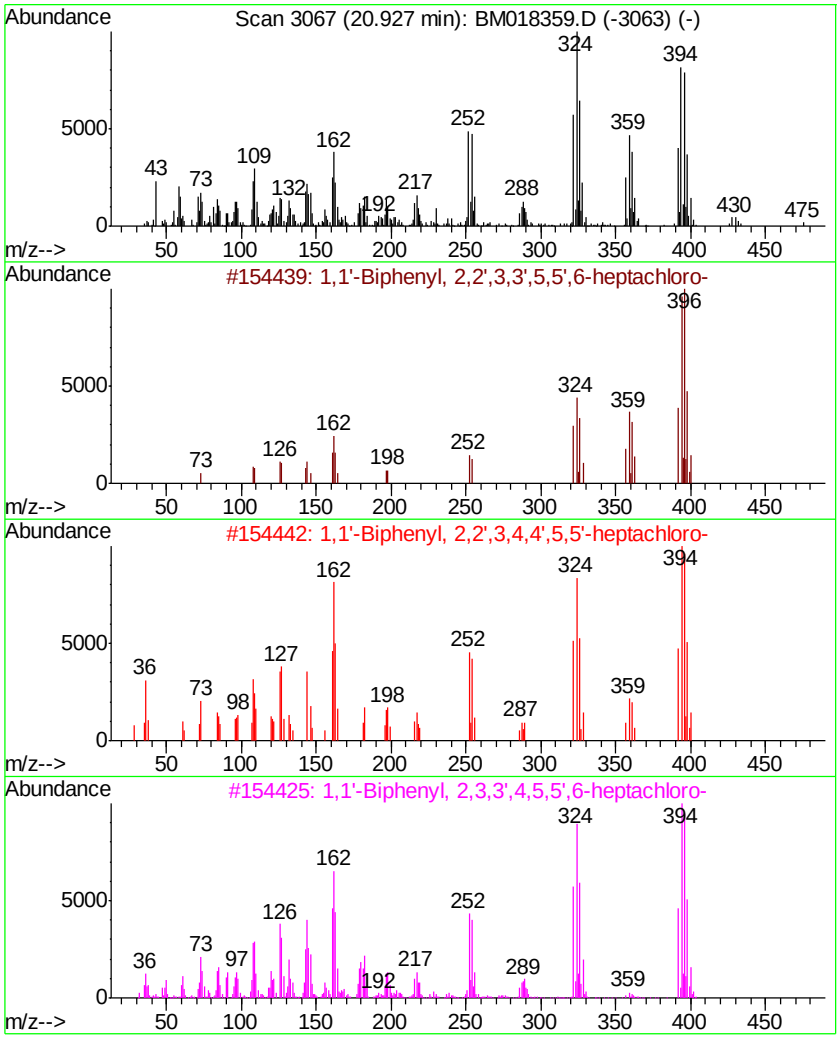
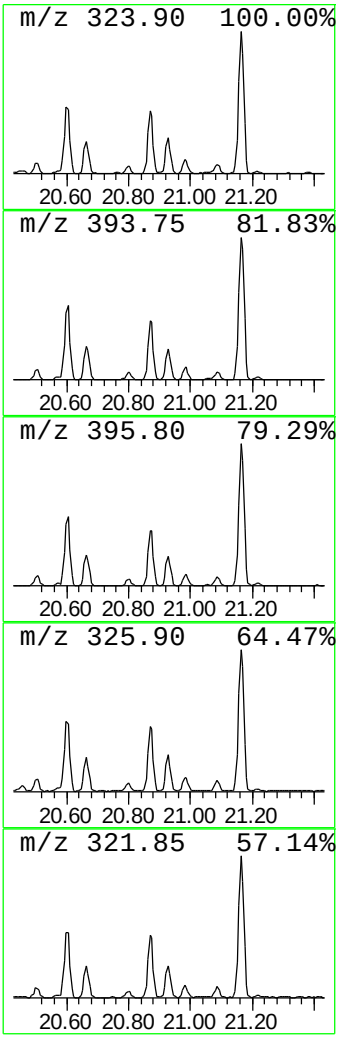
Peak Number 14 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	5.81 ng	858024	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
5	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	98





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Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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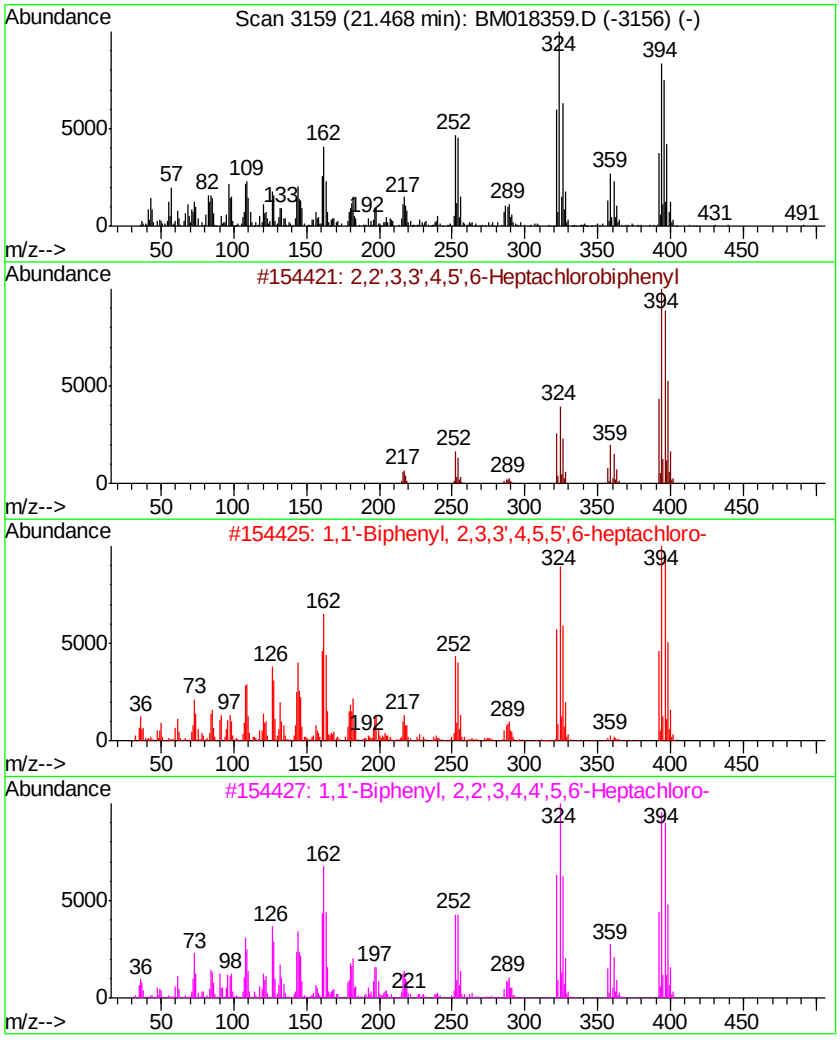
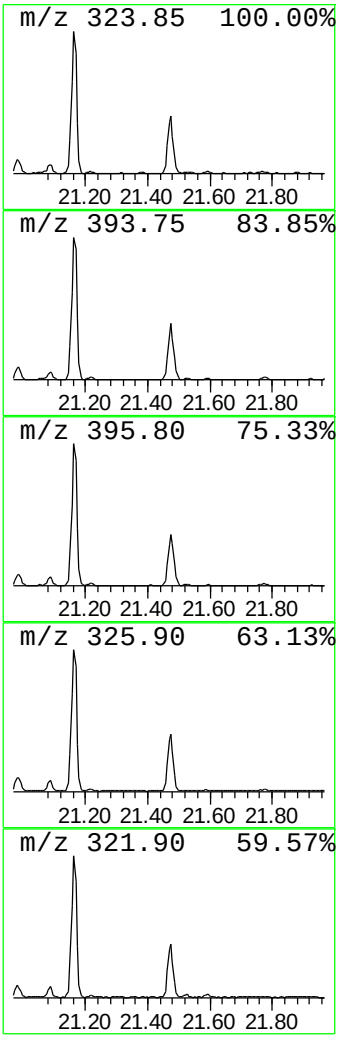
Peak Number 15 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	8.73 ng	1288610	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	97
5	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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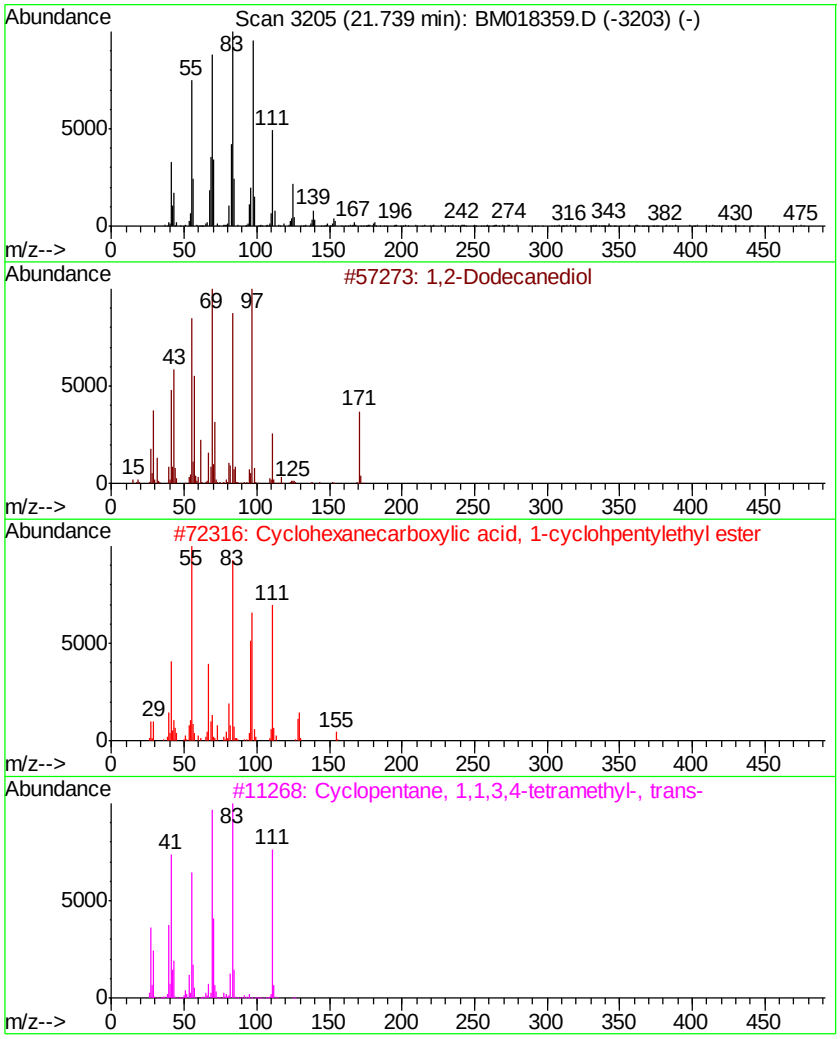
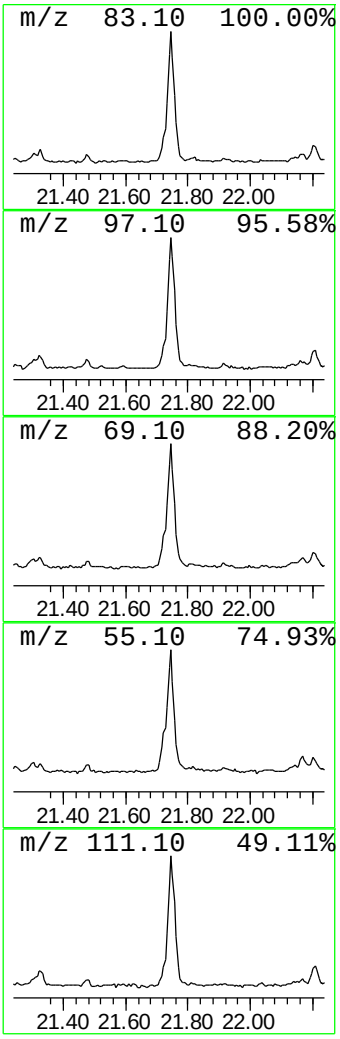
Peak Number 16 1,2-Dodecanediol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	25.31 ng	3737570	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dodecanediol	202	C12H26O2	001119-87-5	64
2	Cyclohexanecarboxylic acid, 1-cy...	224	C14H24O2	1000279-52-6	47
3	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	47
4	Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	43
5	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	41





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Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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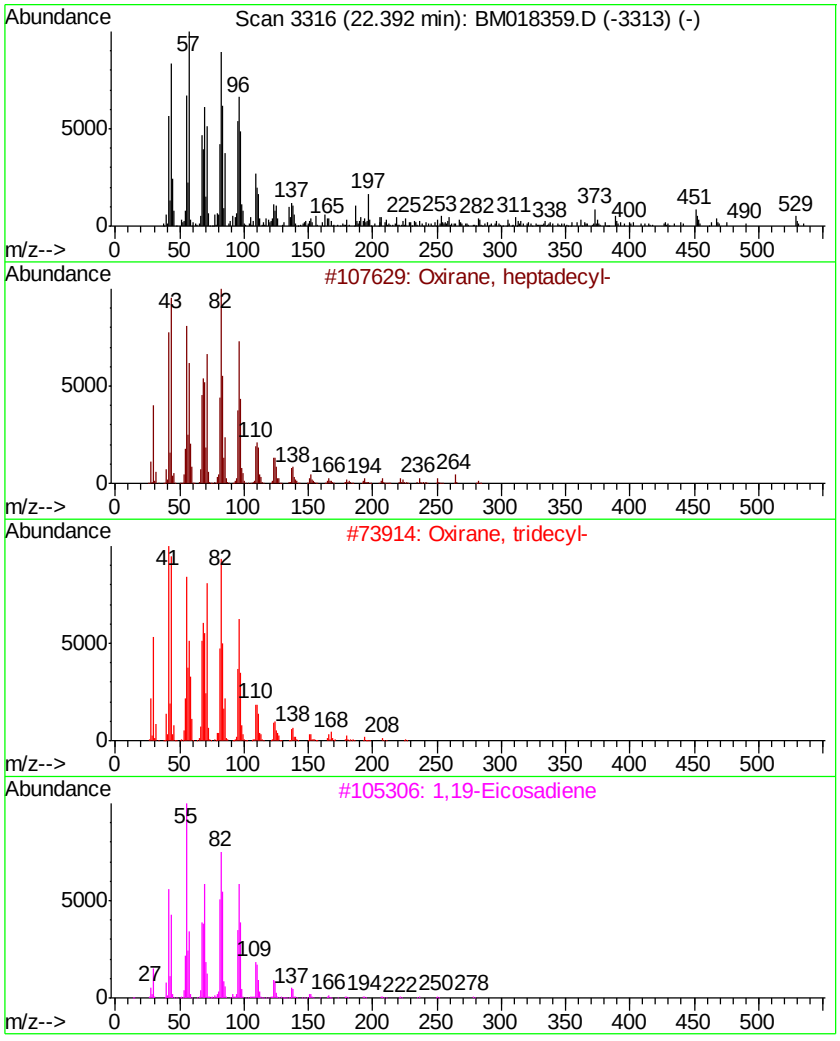
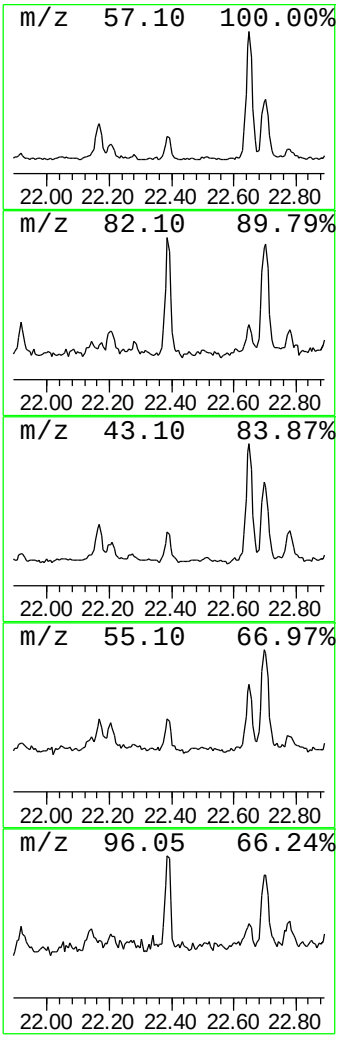
Peak Number 17 Oxirane, heptadecyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	9.86 ng	705678	Perylene-d12	23.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	95
2	Oxirane, tridecyl-	226	C15H30O	018633-25-5	90
3	1,19-Eicosadiene	278	C20H38	014811-95-1	90
4	Pentadecanal-	226	C15H30O	002765-11-9	81
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	81





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Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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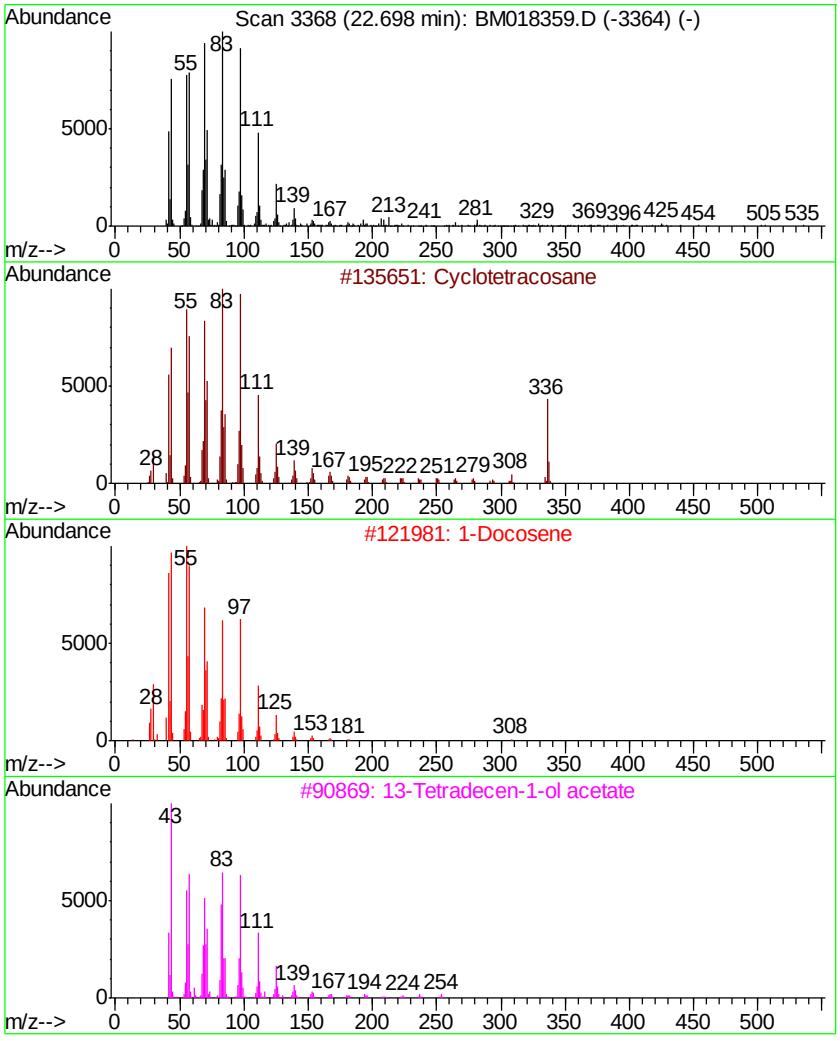
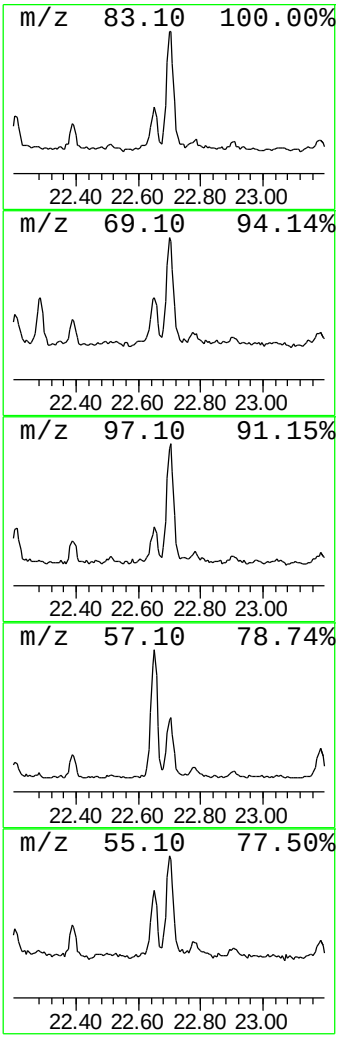
Peak Number 19 Cyclotetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	27.00 ng	1932950	Perylene-d12	23.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	91
2	1-Docosene	308	C22H44	001599-67-3	76
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	64
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	64
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	62





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Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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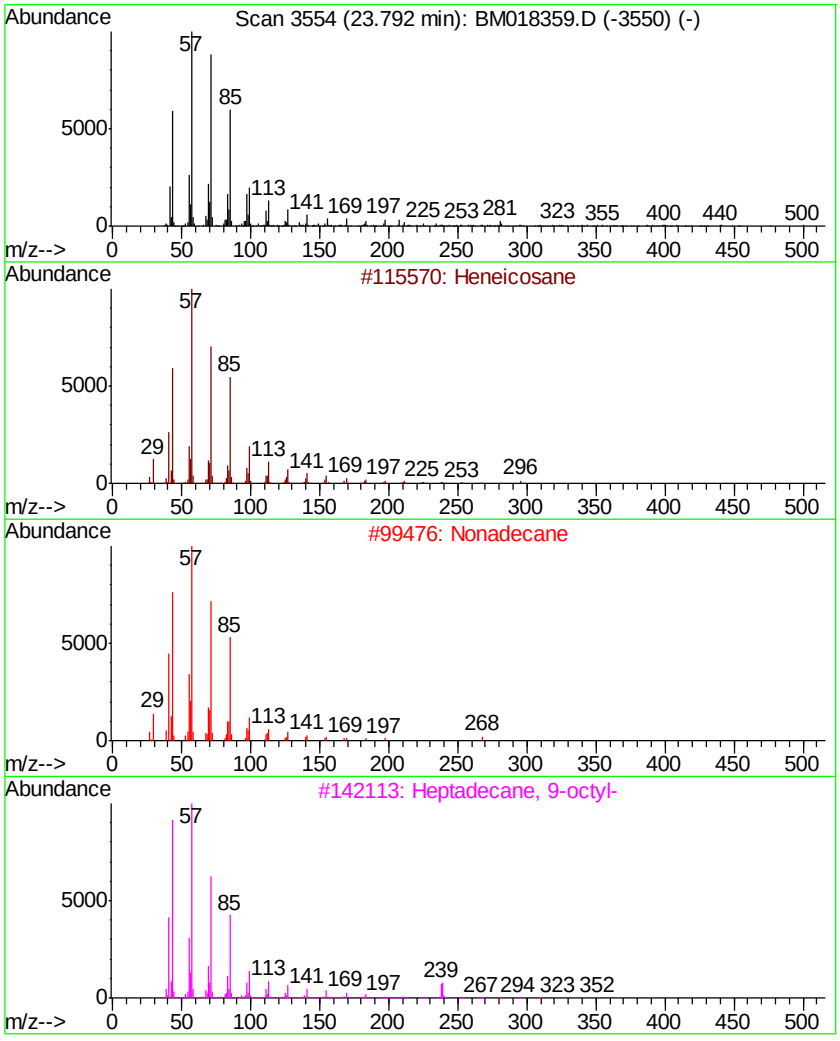
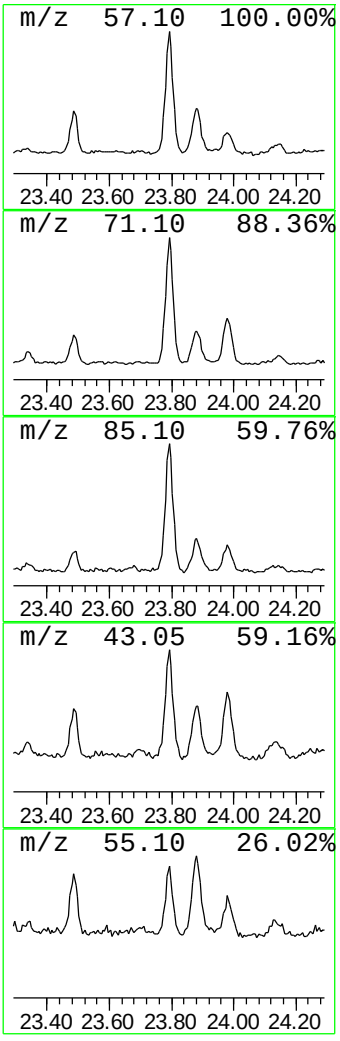
Peak Number 20 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.79	18.34 ng	1313530	Perylene-d12	23.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	90





Tentatively Identified Compound (LSC) summary

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Data File : BM018359.D
Acq On : 21 Dec 2018 14:21
Operator : JU/SJ
Sample : J6389-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS014-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.03	7.03	90.6	ng	4074690	1	7.49	899085	20.0
n-Hexadecanoic acid	17.83	13.4	ng	824760	4	16.92	1234310	20.0
1,1'-Biphenyl, 2,...	17.99	4.9	ng	302601	4	16.92	1234310	20.0
1,1'-Biphenyl, 2,...	18.84	13.9	ng	860848	4	16.92	1234310	20.0
1,1'-Biphenyl, 2,...	19.13	7.5	ng	1106290	5	21.14	2953410	20.0
1,1'-Biphenyl, 2,...	19.71	5.0	ng	733710	5	21.14	2953410	20.0
1,1'-Biphenyl, 2,...	20.13	17.3	ng	2548160	5	21.14	2953410	20.0
1,1'-Biphenyl, 2,...	20.29	8.7	ng	1279620	5	21.14	2953410	20.0
Cyclohexadecane	20.86	30.0	ng	4425770	5	21.14	2953410	20.0
1,1'-Biphenyl, 2,...	20.93	5.8	ng	858024	5	21.14	2953410	20.0
2,2',3,3',4,5',6-...	21.47	8.7	ng	1288610	5	21.14	2953410	20.0
1,2-Dodecanediol	21.74	25.3	ng	3737570	5	21.14	2953410	20.0
Oxirane, heptadecyl-	22.39	9.9	ng	705678	6	23.31	1432040	20.0
Cyclotetracosane	22.70	27.0	ng	1932950	6	23.31	1432040	20.0
Heneicosane	23.79	18.3	ng	1313530	6	23.31	1432040	20.0