LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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	3.369	77	82	87	rBV	39849	59097	1.98%	0.106%
2	3.781	148	152	157	rBV	45902	65722	2.20%	0.118%
3	4.681	300	305	312	rVB	69344	99676	3.33%	0.179%
4	5.128	375	381	398	rVB	1902232	2724894	91.16%	4.899%
5	5.528	443	449	454	rVB3	19159	30732	1.03%	0.055%
6	6.604	627	632	635	rBV	56594	75631	2.53%	0.136%
7	6.651	635	640	644	rVV	612832	964971	32.28%	1.735%
8	6.698	644	648	661	rVB	1801599	2989272	100.00%	5.374%
9	7.028	697	704	716	rBV	1921486	2979737	99.68%	5.357%
10	7.481	776	781	789	rVB	492645	776535	25.98%	1.396%
11	7.575	789	797	805	rBV3	25504	66166	2.21%	0.119%
12	7.751	821	827	828	rBV	33582	43888	1.47%	0.079%
13	7.798	828	835	843	rVB	1355223	2145543	71.77%	3.857%
14	8.292	913	919	931	rVB3	34607	80937	2.71%	0.146%
15	8.645	971	979	993	rBV	1071395	1832343	61.30%	3.294%
16	9.010	1035	1041	1045	rBV	41053	58769	1.97%	0.106%
17	9.475	1115	1120	1130	rBV3	14521	40990	1.37%	0.074%
18	9.610	1130	1143	1152	rBV	126733	331719	11.10%	0.596%
19	10.122	1223	1230	1237	rBV3	43539	111919	3.74%	0.201%
20	10.251	1244	1252	1259	rBV	577431	966864	32.34%	1.738%
21	11.263	1418	1424	1427	rBV5	13478	29926	1.00%	0.054%
22	11.316	1427	1433	1439	rVV2	26368	52212	1.75%	0.094%
23	11.975	1539	1545	1549	rBV3	21725	48075	1.61%	0.086%
24	12.033	1549	1555	1563	rVV	314456	639850	21.40%	1.150%
25	12.092	1563	1565	1572	rVB2	34098	62124	2.08%	0.112%
26	12.522	1633	1638	1643	rBV3	34862	59312	1.98%	0.107%
27	12.751	1670	1677	1687	rBV	1816943	2693733	90.11%	4.843%
28	12.922	1701	1706	1711	rBV4	23415	41963	1.40%	0.075%
29	12.986	1711	1717	1726	rVV6	30018	75927	2.54%	0.136%
30	13.092	1726	1735	1742	rVV4	37465	84219	2.82%	0.151%
31	13.616	1817	1824	1836	rBV	336173	538785	18.02%	0.969%
32	14.045	1890	1897	1903	rBV9	21263	40146	1.34%	0.072%
33	14.145	1907	1914	1922	rBV2	725085	1104505	36.95%	1.986%
34	14.604	1986	1992	1995	rBV6	16913	31471	1.05%	0.057%

LSC Area Percent Report

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Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

35	15.168	2083	2088	2093	rBV	35353	58985	1.97%	0.106%
36	15.657	2165	2171	2187	rVB	1423060	2108209	70.53%	3.790%
37	15.886	2204	2210	2216	rBV9	25556	60343	2.02%	0.108%
38	16.098	2244	2246	2252	rVB5	28155	36935	1.24%	0.066%
39	16.333	2283	2286	2289	rBV4	59337	79844	2.67%	0.144%
40	16.845	2368	2373	2376	rBV7	26492	39192	1.31%	0.070%
41	16.910	2378	2384	2389	rBV	772558	1065728	35.65%	1.916%
42	16.957	2389	2392	2394	rBV	61667	68937	2.31%	0.124%
43	17.010	2399	2401	2405	rVB5	32657	30109	1.01%	0.054%
44	17.092	2411	2415	2421	rBV	152260	216870	7.25%	0.390%
45	17.286	2444	2448	2451	rBV3	41837	63346	2.12%	0.114%
46	17.768	2526	2530	2535	rBV8	51471	96662	3.23%	0.174%
47	17.827	2535	2540	2551	rVV	488156	681225	22.79%	1.225%
48	17.992	2563	2568	2572	rBV3	91788	175845	5.88%	0.316%
49	18.839	2705	2712	2720	rBV2	337373	596510	19.96%	1.072%
50	19.127	2756	2761	2767	rBV2	549472	834166	27.91%	1.500%
51	19.392	2802	2806	2817	rBV	721048	1148494	38.42%	2.065%
52	19.474	2818	2820	2824	rVB5	90341	98897	3.31%	0.178%
53	19.568	2831	2836	2845	rVB	1848585	2642267	88.39%	4.750%
54	19.703	2855	2859	2863	rBV	524934	621371	20.79%	1.117%
55	19.751	2863	2867	2874	rVB2	203428	336507	11.26%	0.605%
56	19.845	2879	2883	2888	rBV2	1409382	1864456	62.37%	3.352%
57	20.051	2915	2918	2924	rVB5	185606	233109	7.80%	0.419%
58	20.133	2927	2932	2936	rBV	1572985	1900393	63.57%	3.416%
59	20.180	2937	2940	2944	rBV	386422	467989	15.66%	0.841%
60	20.286	2954	2958	2964	rVB4	723326	993504	33.24%	1.786%
61	20.380	2971	2974	2978	rVB4	173687	207589	6.94%	0.373%
62	20.451	2978	2986	2991	rBV	941681	1695340	56.71%	3.048%
63	20.498	2992	2994	2997	rVB2	140167	134897	4.51%	0.243%
64	20.598	3007	3011	3015	rBV	922122	1022292	34.20%	1.838%
65	20.656	3018	3021	3026	rBV2	402051	555438	18.58%	0.999%
66	20.856	3050	3055	3062	rBV2	1466004	2372467	79.37%	4.265%
67	20.927	3063	3067	3072	rVV3	465679	602164	20.14%	1.083%
68	20.980	3073	3076	3079	rBV4	200591	208423	6.97%	0.375%
69	21.139	3099	3103	3104	rBV	931733	1098437	36.75%	1.975%
70	21.162	3104	3107	3111	rVB	1793700	2088030	69.85%	3.754%
71	21.468	3155	3159	3164	rBV2	776014	1015691	33.98%	1.826%

LSC Area Percent Report

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Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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	21.521	3165	3168	3175	rVB	390399	464065	15.52%	0.834%
73	21.586	3176	3179	3188	rVV3	382445	504942	16.89%	0.908%
74	21.739	3199	3205	3212	rBV2	1051975	1838186	61.49%	3.305%
75	22.133	3269	3272	3275	rBV2	329947	446058	14.92%	0.802%
76	22.644	3355	3359	3363	rBV	600826	856899	28.67%	1.540%
77	22.692	3364	3367	3375	rVB2	555546	844139	28.24%	1.518%
78	23.303	3466	3471	3480	rVB	671935	1203110	40.25%	2.163%

Sum of corrected areas: 55625713

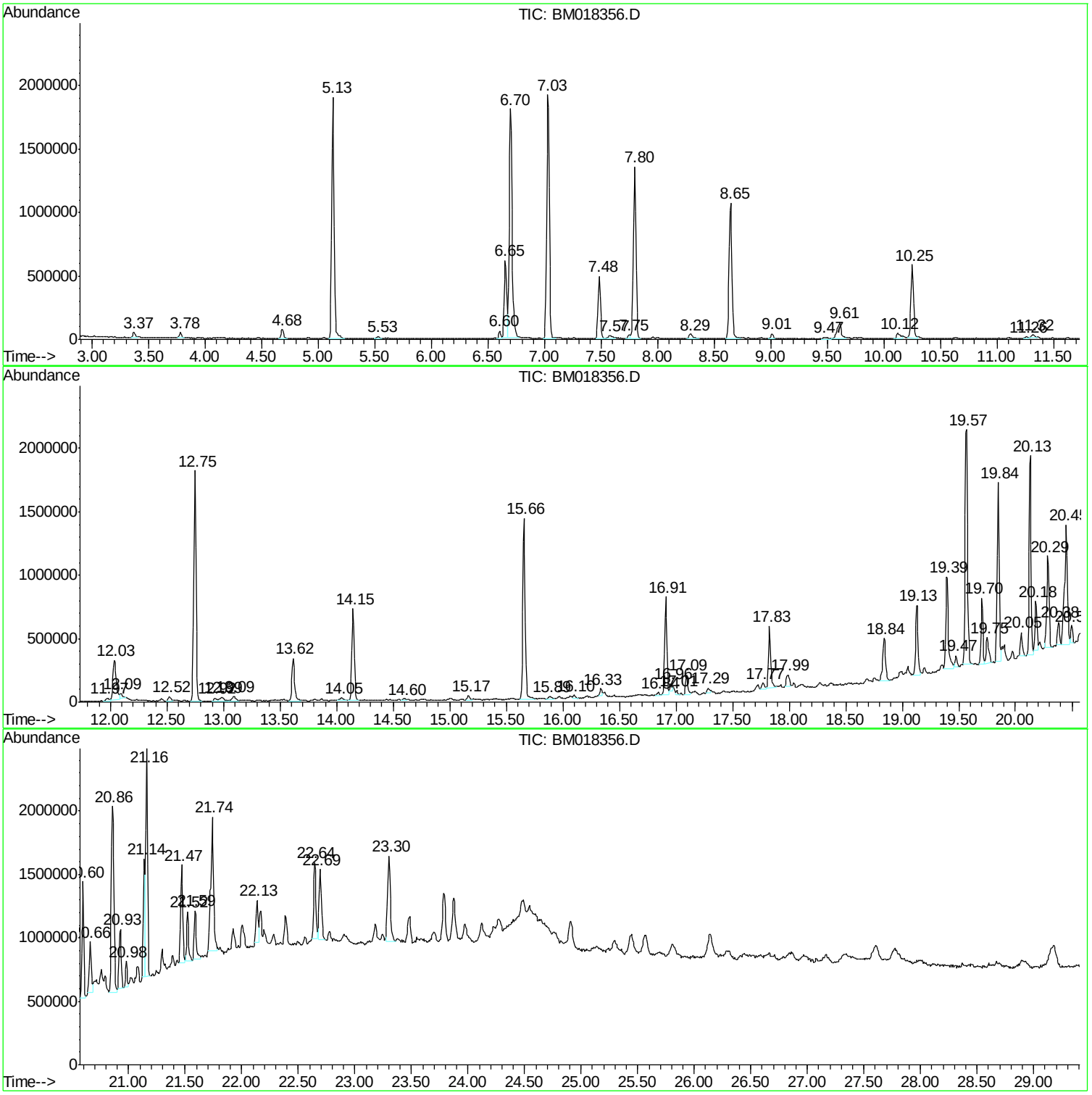
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-SS013-0006-01

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 : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

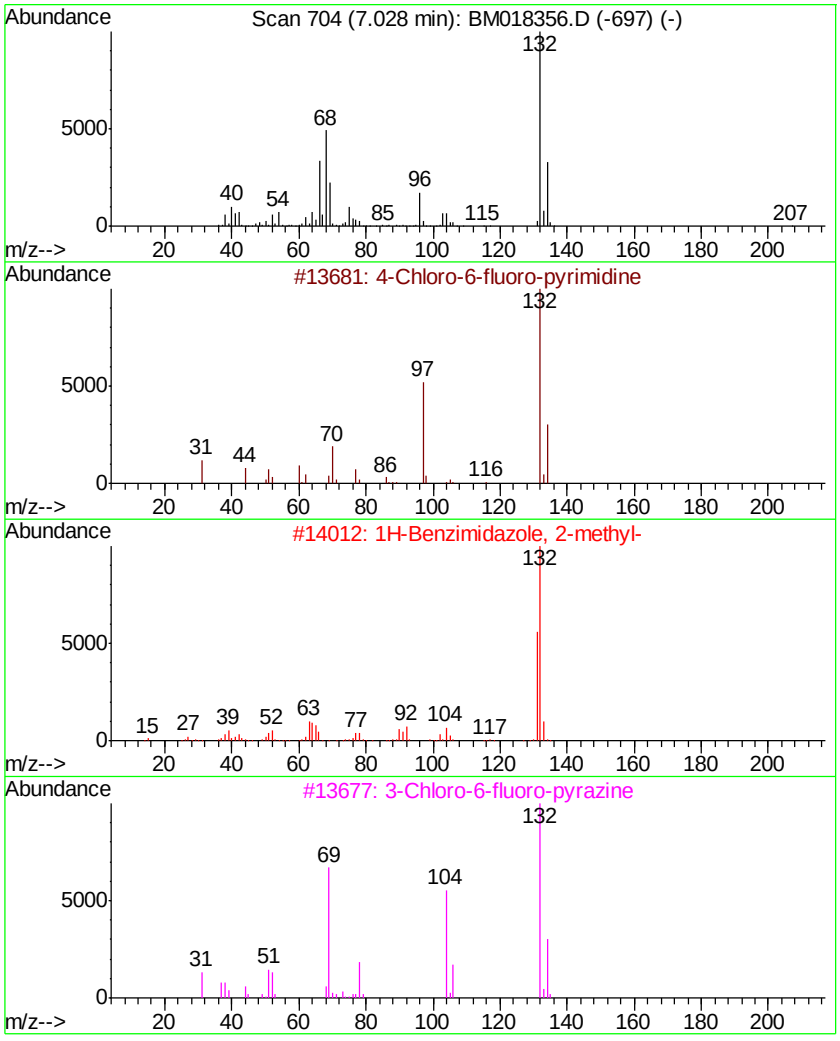
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

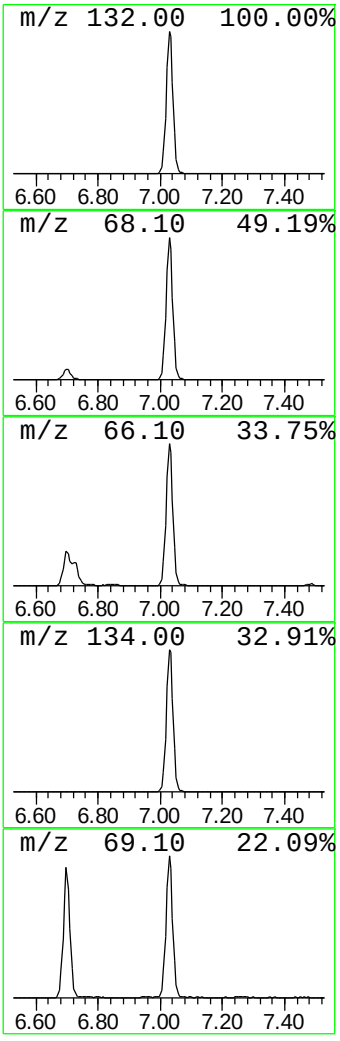
****

Peak Number 1 unknown7.03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	76.74 ng	2979740	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

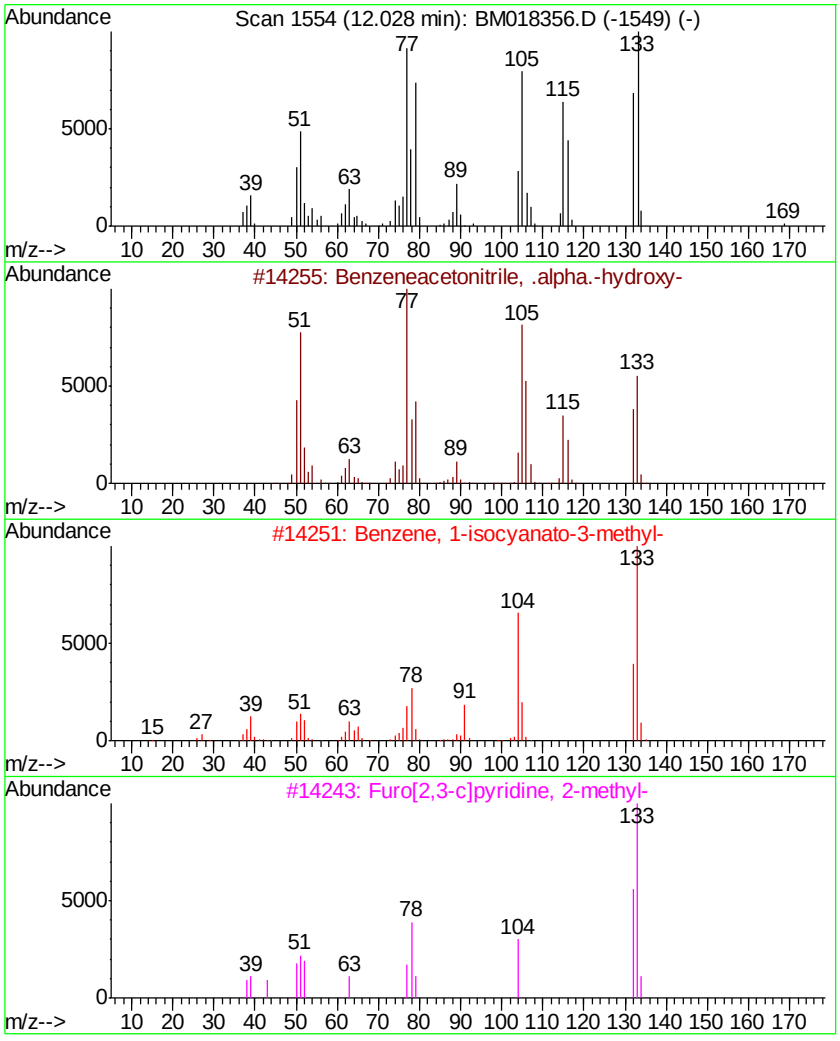
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

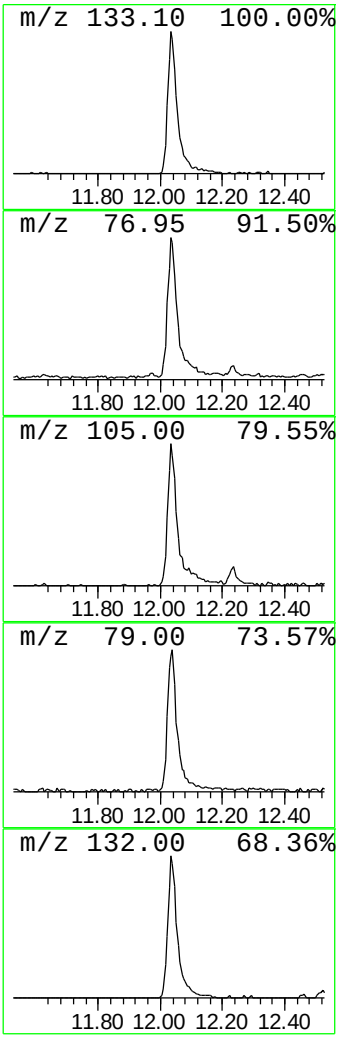
****

Peak Number 3 Benzeneacetonitrile, .alpha... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	13.24 ng	639850	Naphthalene-d8	10.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetonitrile, .alpha.-hyd...	133	C8H7NO	000532-28-5	58
2	Benzene, 1-isocyanato-3-methyl-	133	C8H7NO	000621-29-4	35
3	Furo[2,3-c]pyridine, 2-methyl-	133	C8H7NO	069022-76-0	35
4	Benzene, 1-isocyanato-4-methyl-	133	C8H7NO	000622-58-2	30
5	Benzeneacetonitrile, 4-hydroxy-	133	C8H7NO	014191-95-8	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

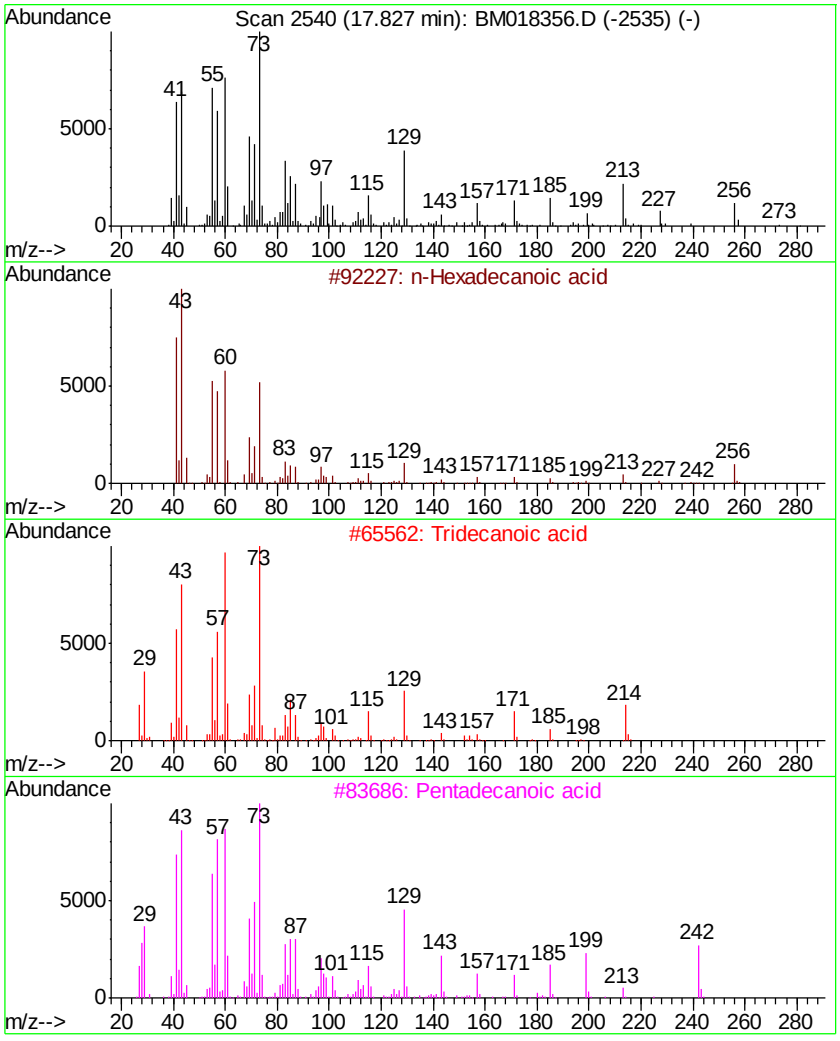
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

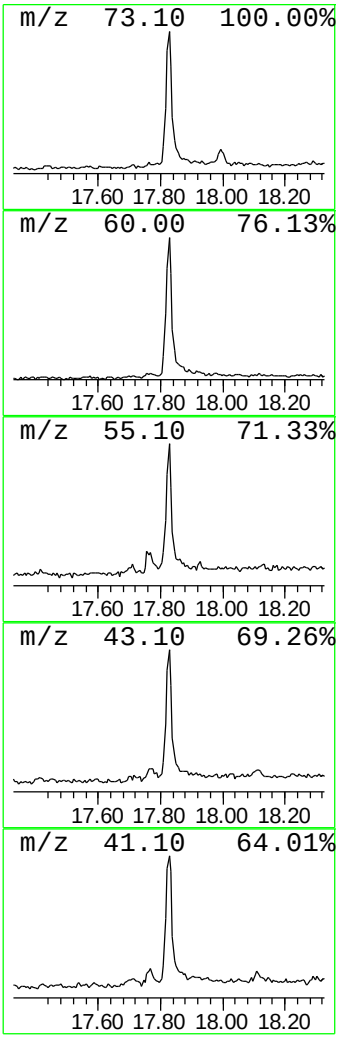
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	12.78 ng	681225	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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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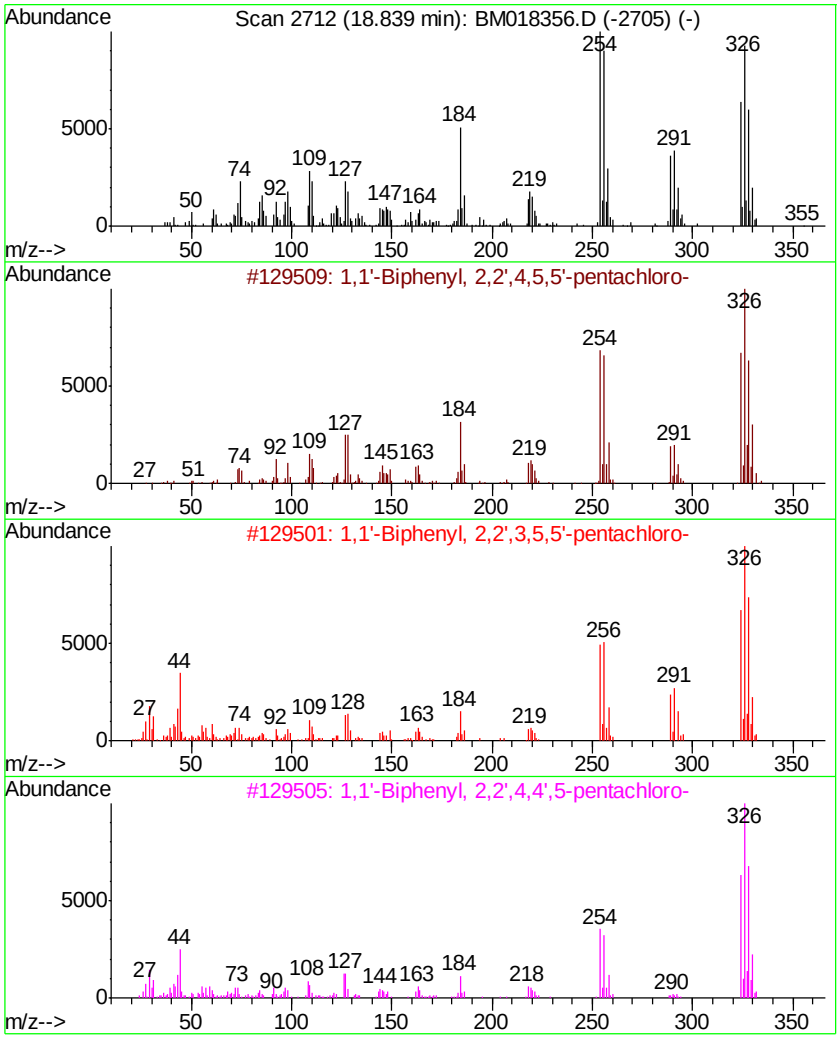
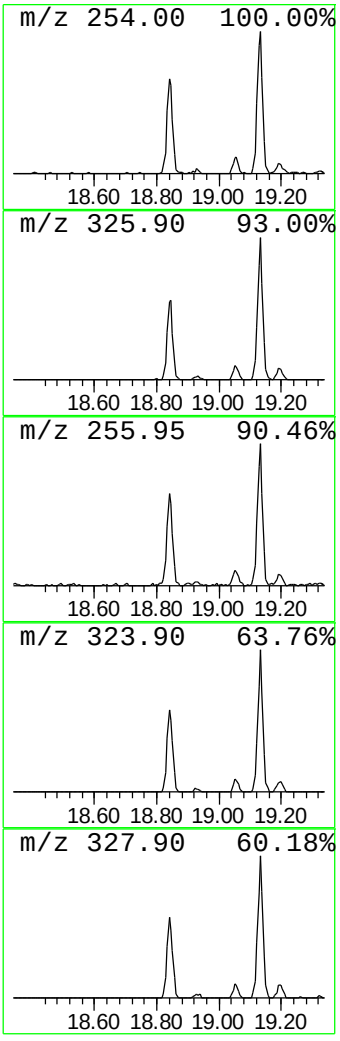
Peak Number 5 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	11.19 ng	596510	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	97
5	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

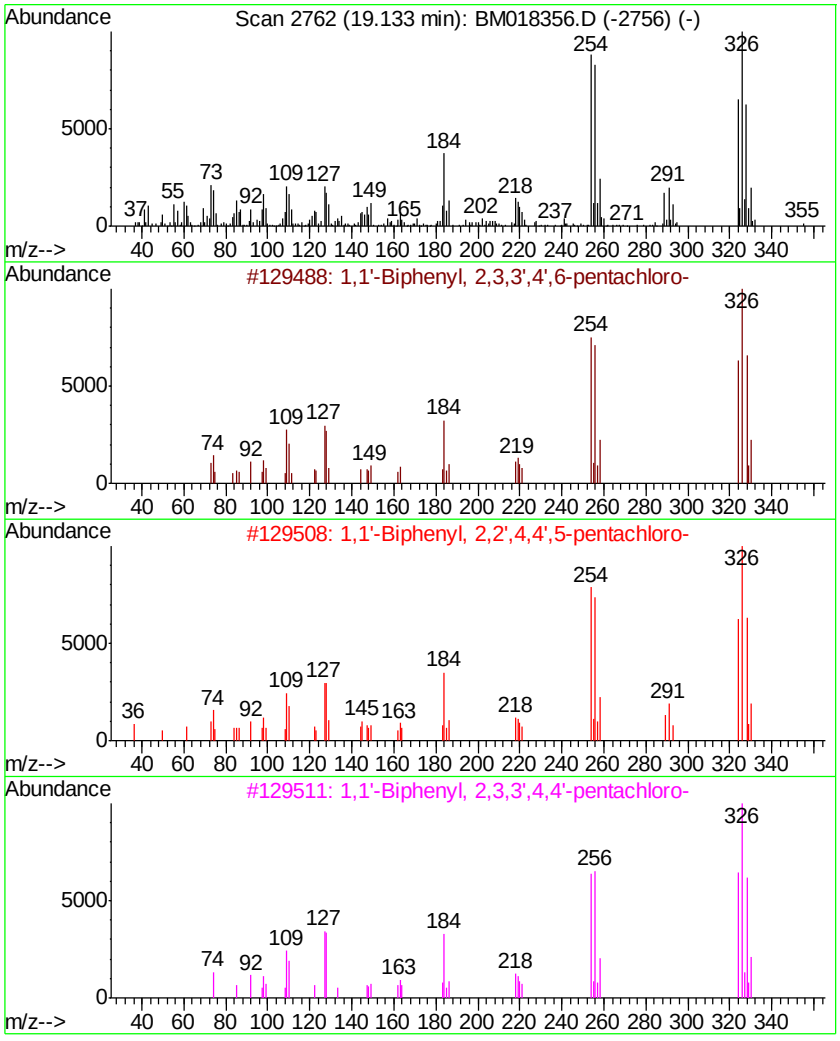
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

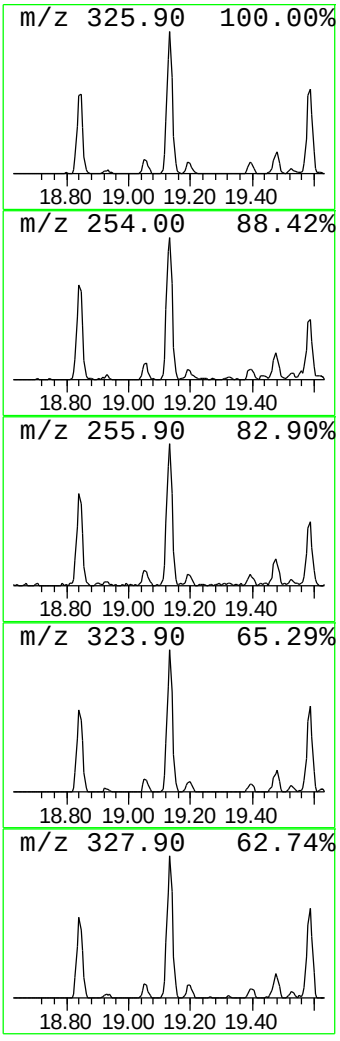
****

Peak Number 6 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	15.19 ng	834166	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

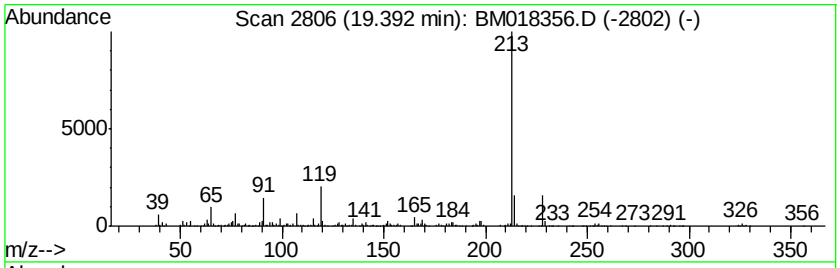
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

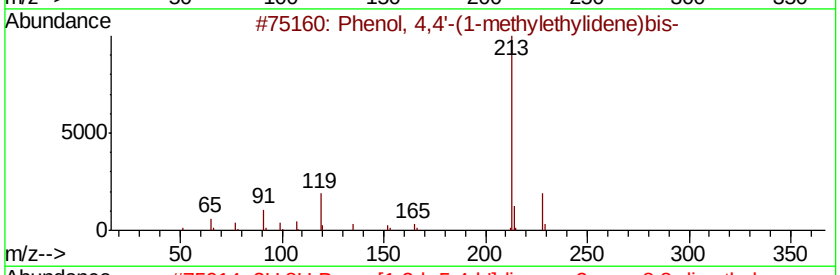
****

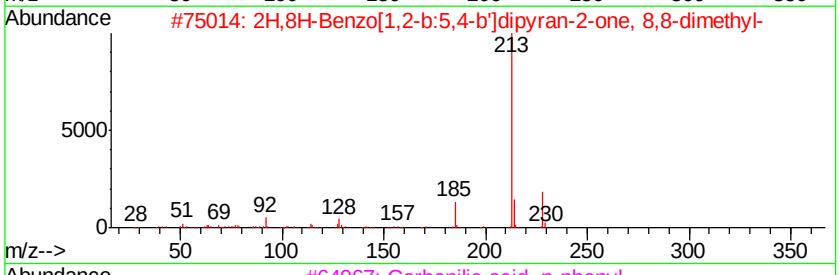
Peak Number 7 Phenol, 4,4'-(1-methylethyl... Concentration Rank 8

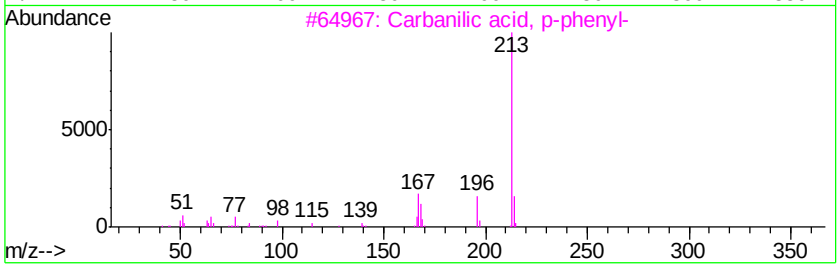
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	20.91 ng	1148490	Chrysene-d12	21.14

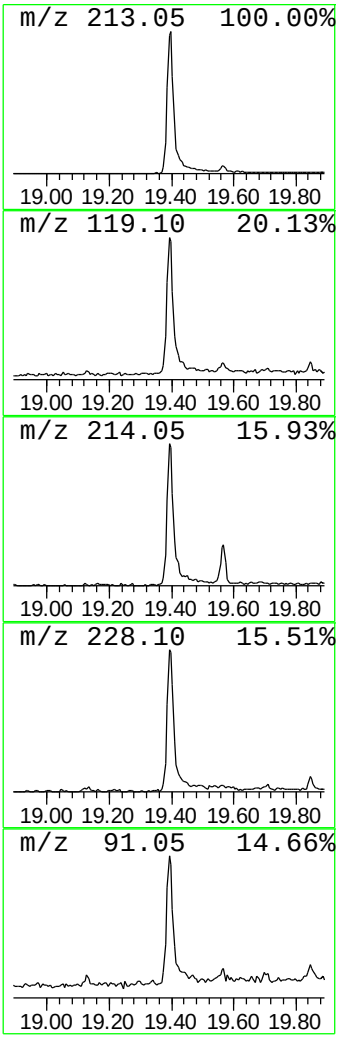
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	64
3	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	50
4	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	45
5	Diphenolic acid	286	C17H18O4	000126-00-1	42











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Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

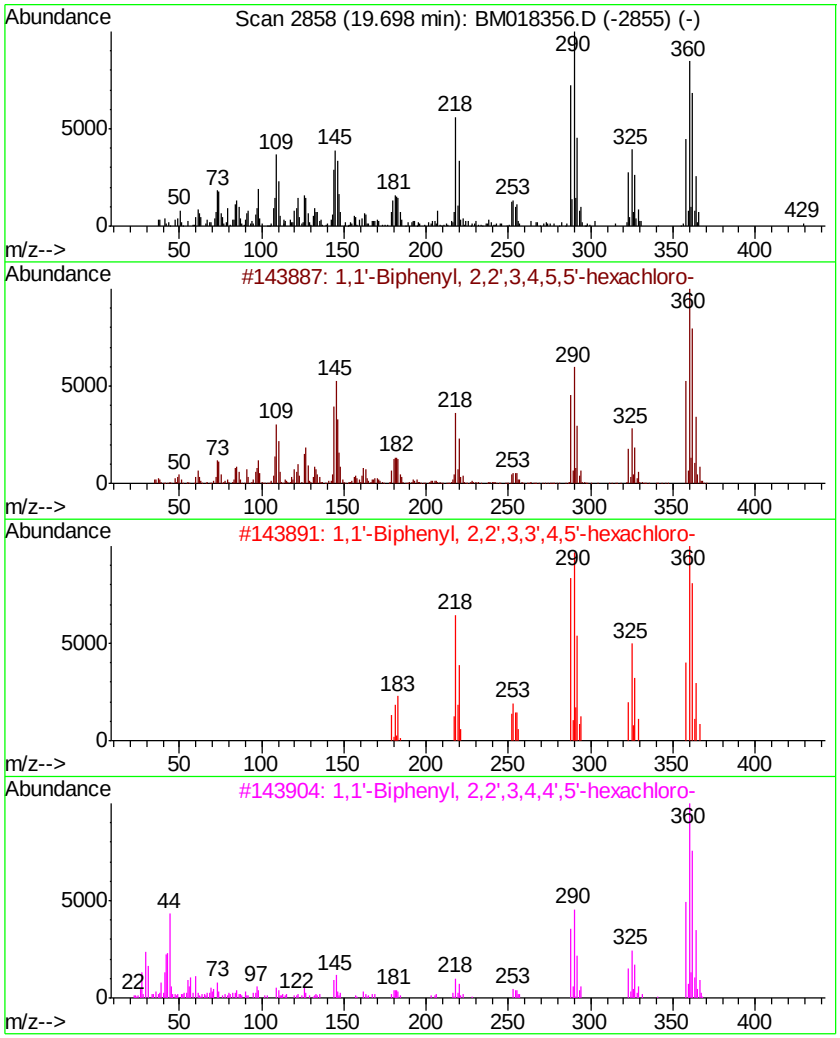
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

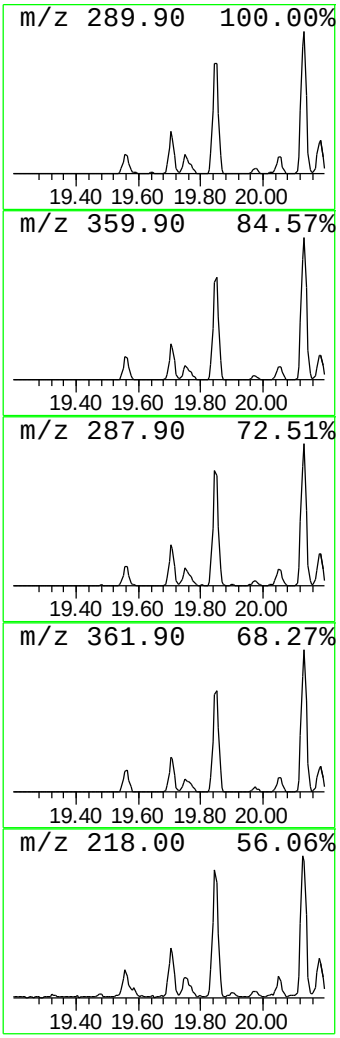
****

Peak Number 8 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	11.31 ng	621371	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
3	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	97





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Misc :
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Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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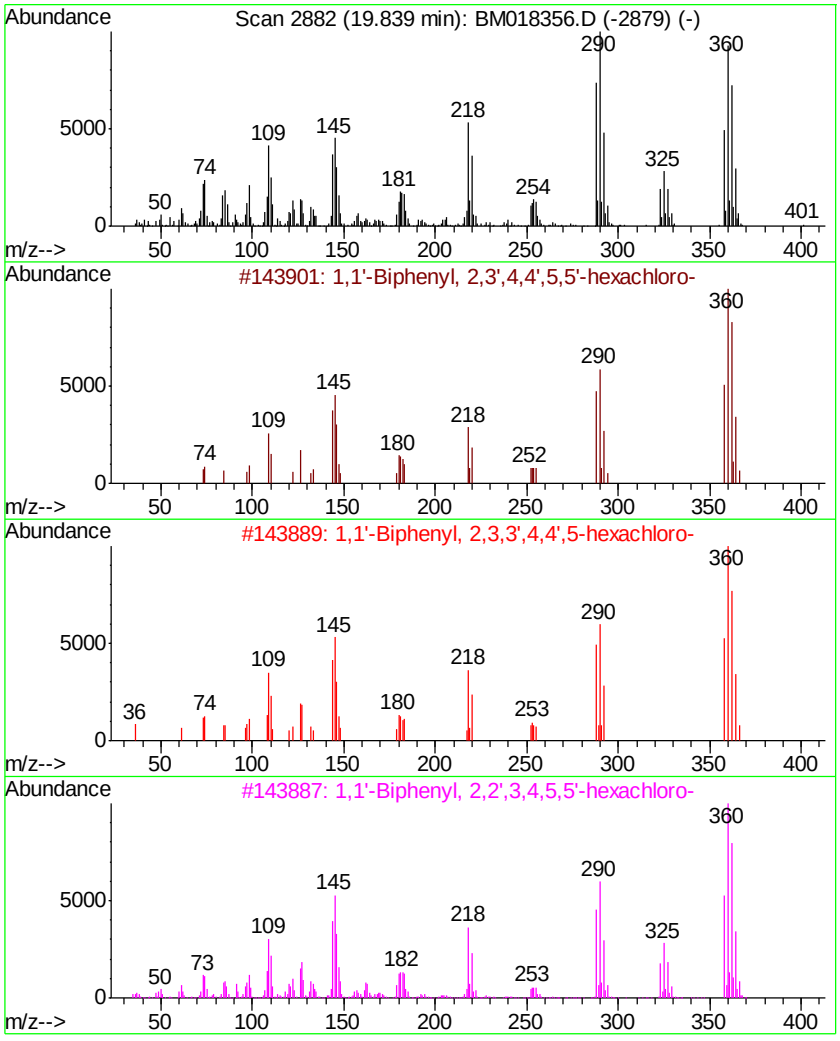
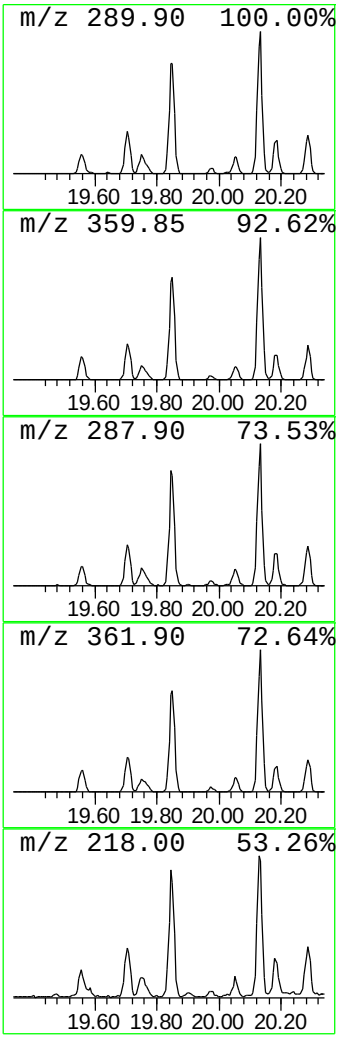
Peak Number 9 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	33.95 ng	1864460	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, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





Library Search Compound Report

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Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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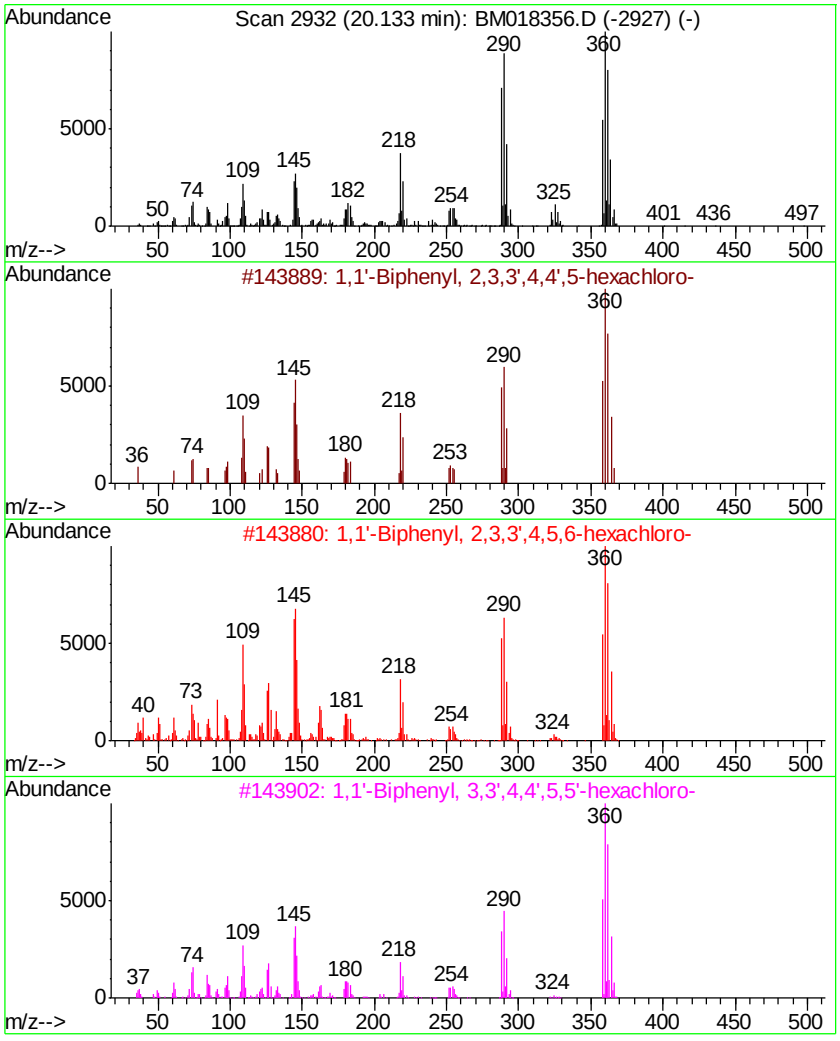
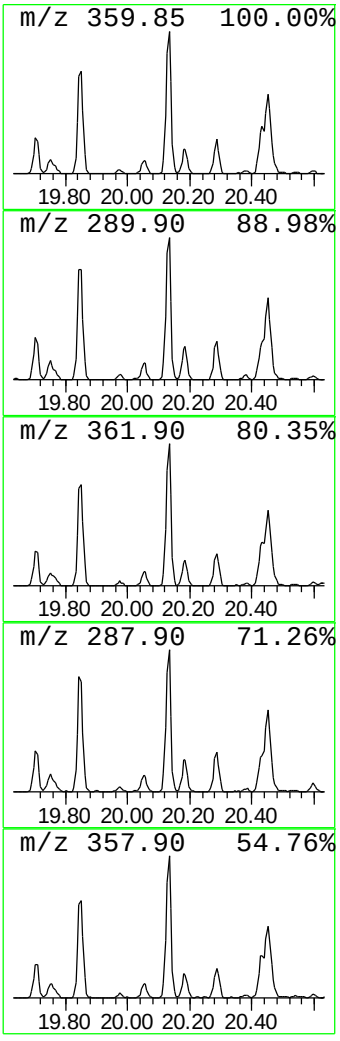
Peak Number 10 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	34.60 ng	1900390	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	96
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	96
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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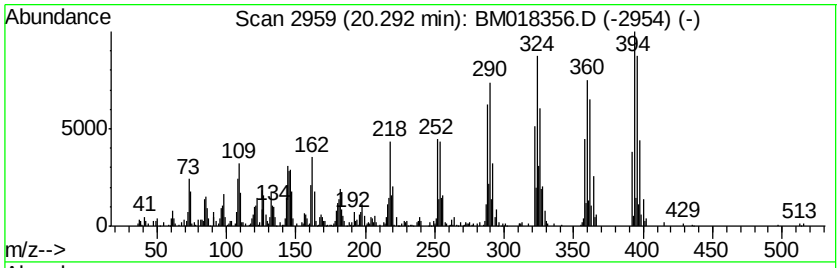
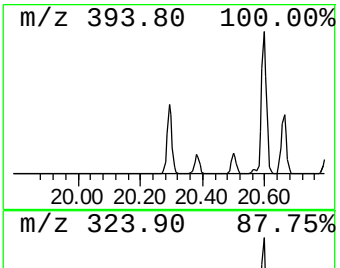
Peak Number 11 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	18.09 ng	993504	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	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',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99





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Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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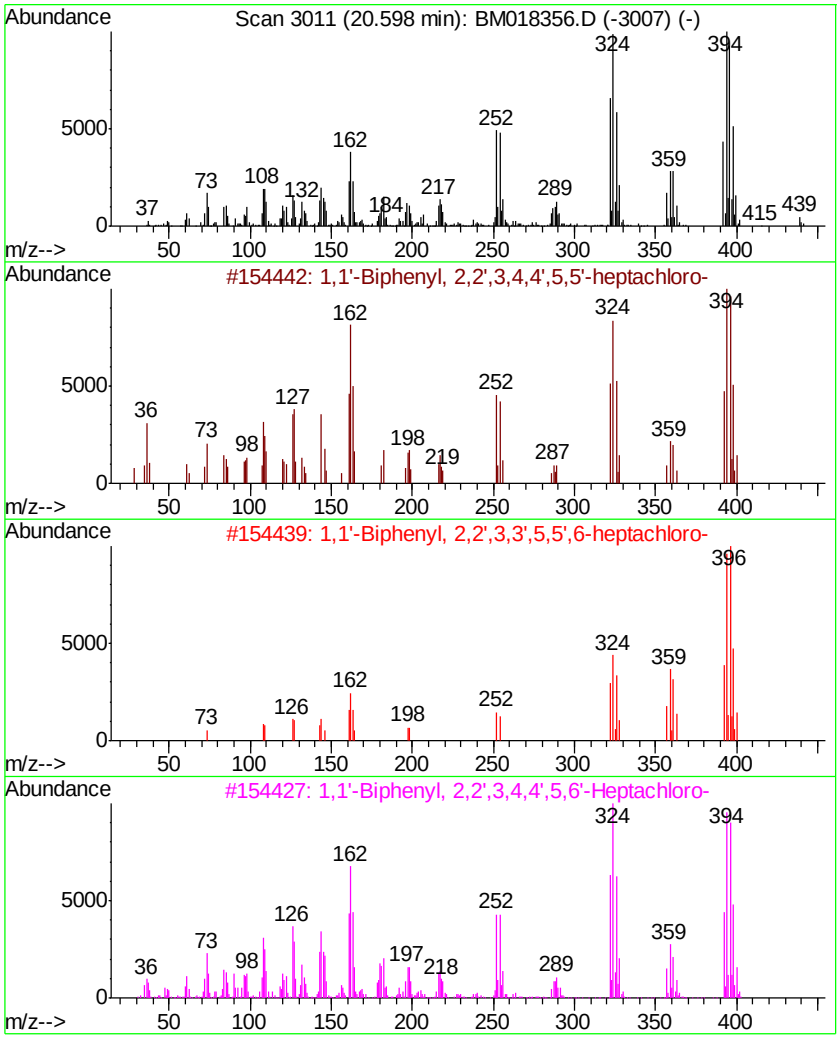
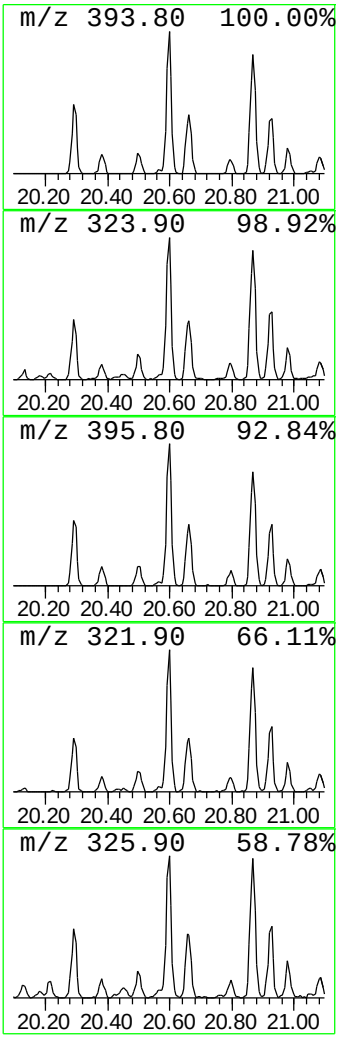
Peak Number 13 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	18.61 ng	1022290	Chrysene-d12	21.14

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





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Sample : J6389-05
Misc :
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Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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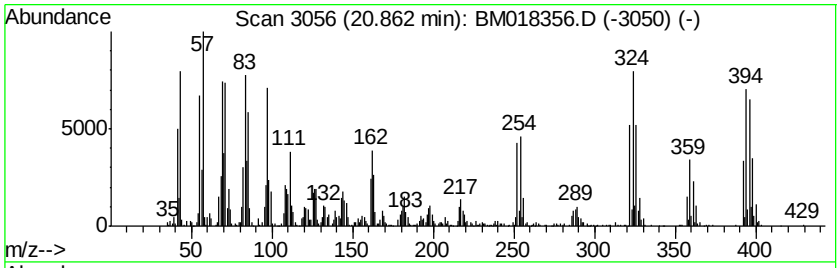
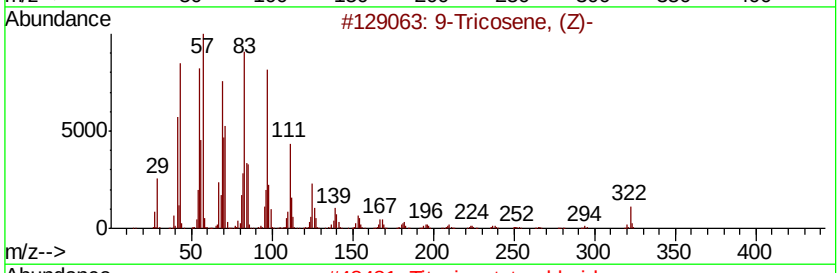
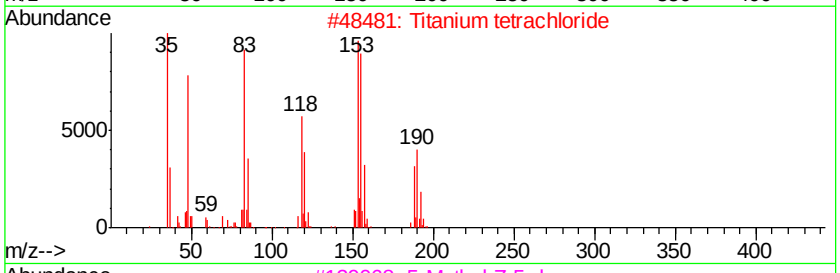
Peak Number 15 9-Tricosene, (Z)- Concentration Rank 3

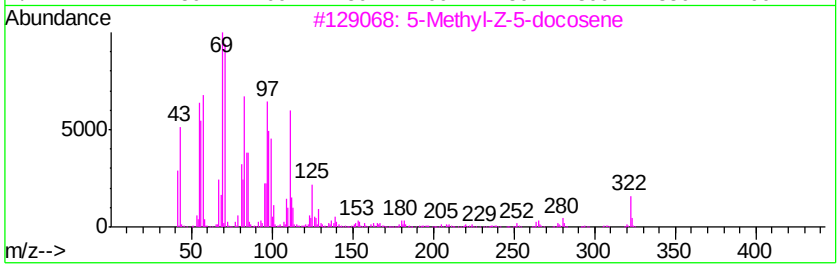
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	43.20 ng	2372470	Chrysene-d12	21.14

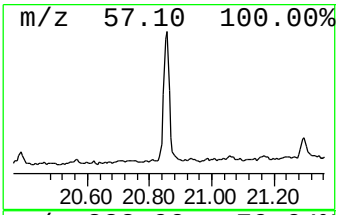
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
2	Titanium tetrachloride	188	Cl4Ti	007550-45-0	60
3	5-Methyl-Z-5-docosene	322	C23H46	1000131-17-1	47
4	2-Methyl-2-docosene	322	C23H46	1000131-16-9	38
5	Hexadecanoic acid, 2-hydroxy-, m...	286	C17H34O3	016742-51-1	30

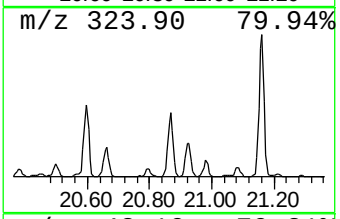


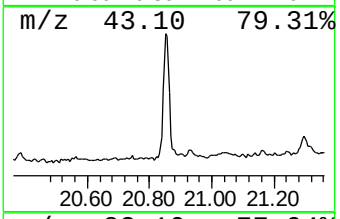


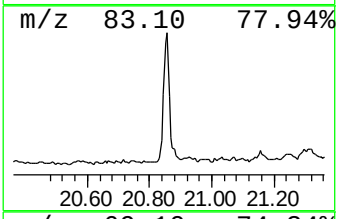


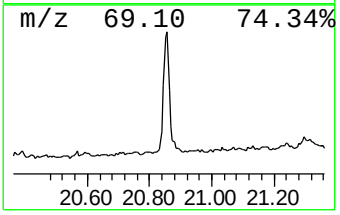












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Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
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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

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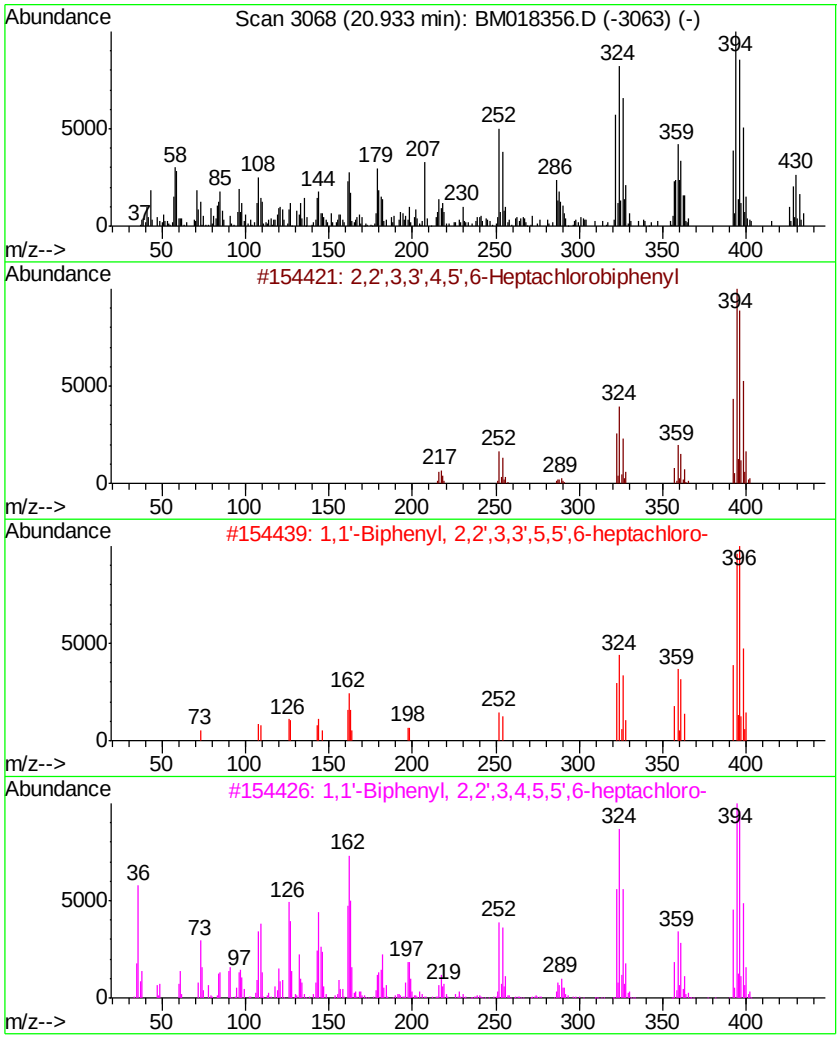
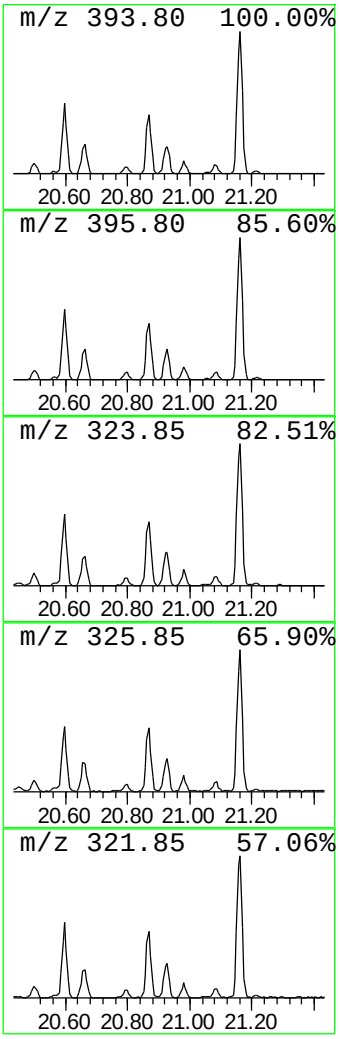
Peak Number 16 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	10.96 ng	602164	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, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	96
3	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	94
4	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	94
5	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	94





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

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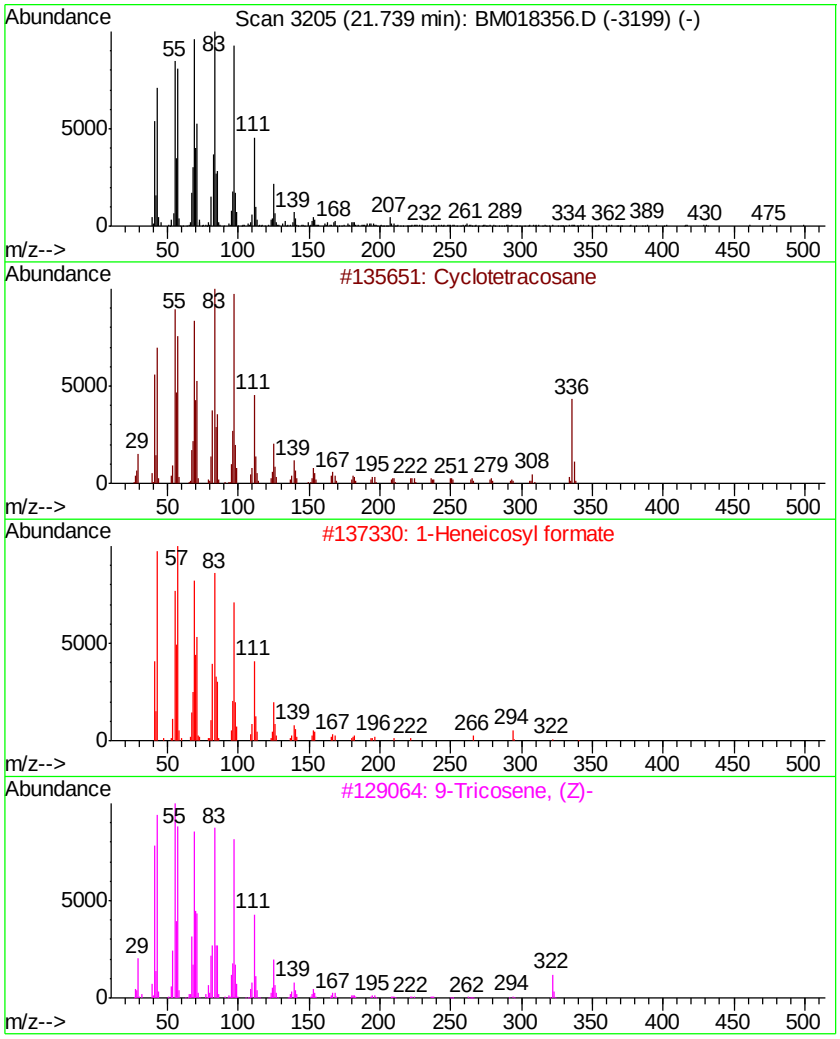
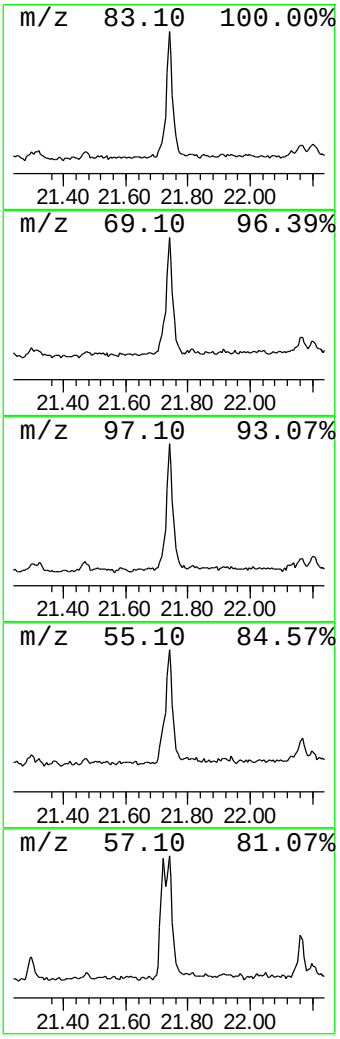
Peak Number 18 Cyclotetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	33.47 ng	1838190	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	98
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	87
5	Cyclohexadecane	224	C16H32	000295-65-8	83





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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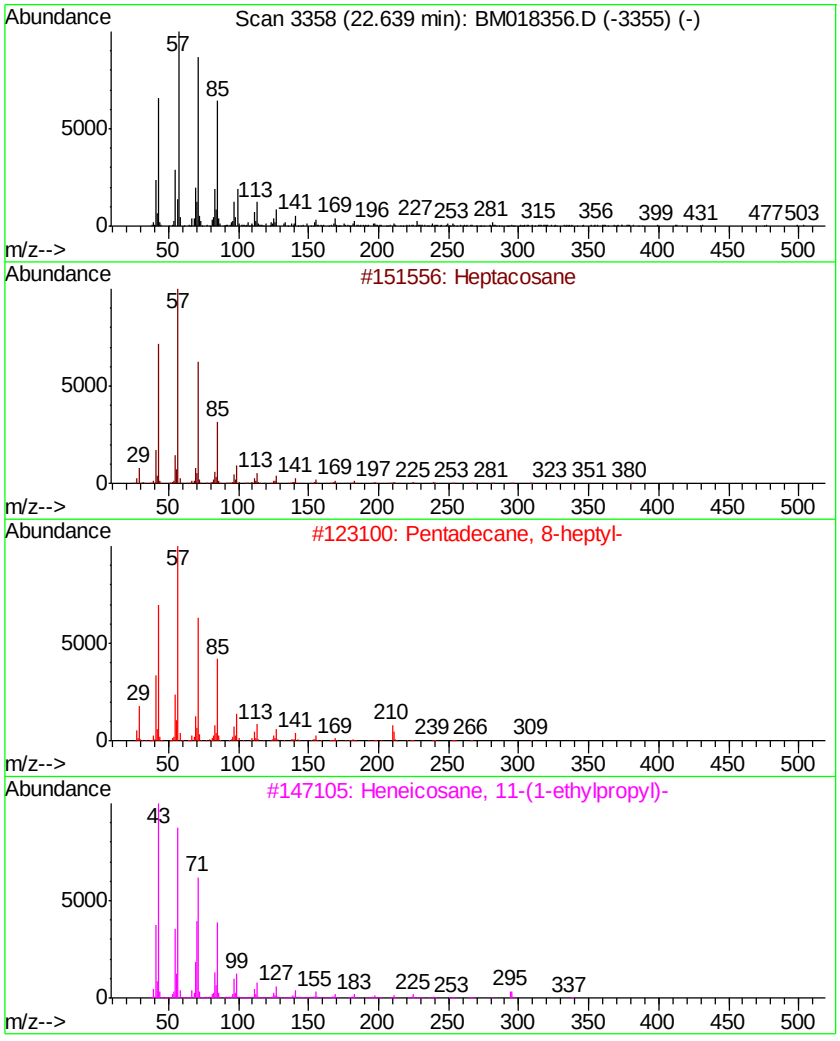
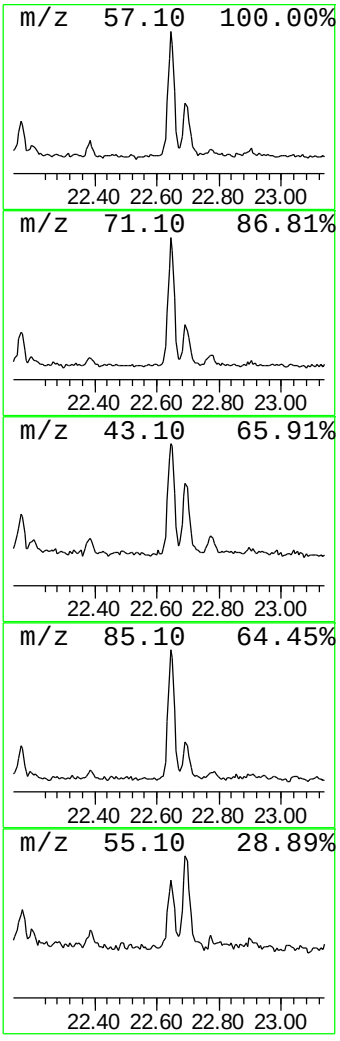
Peak Number 19 Heptacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	14.24 ng	856899	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	94
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4	Nonacosane	408	C29H60	000630-03-5	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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

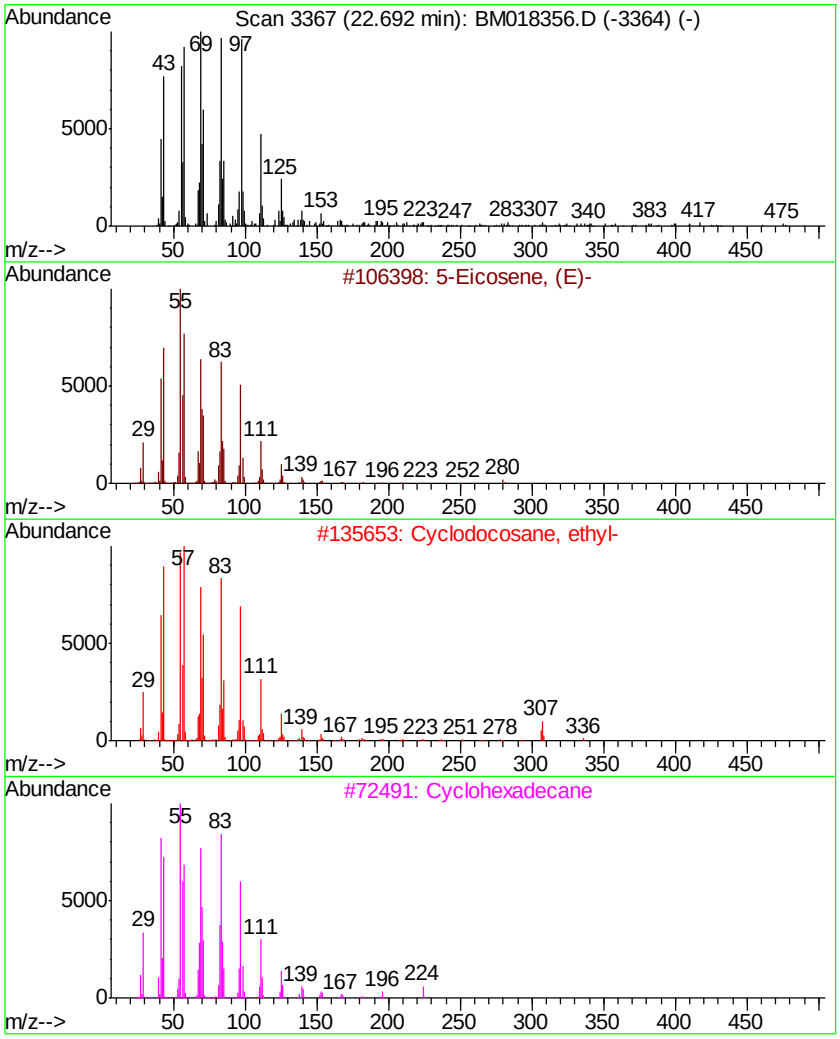
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

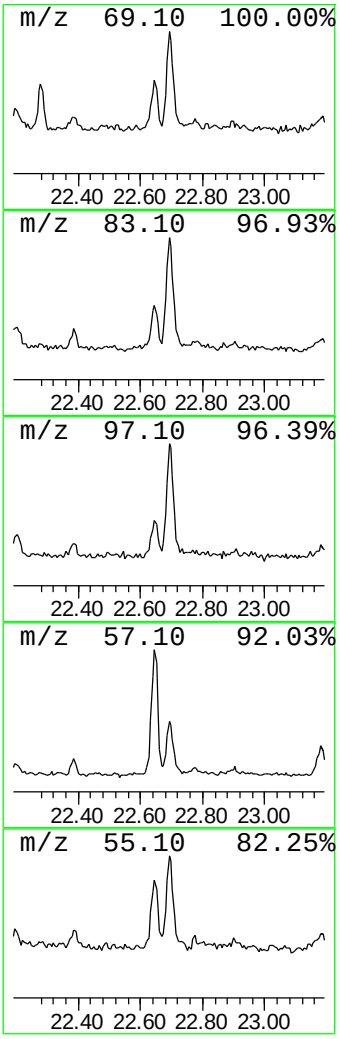
****

Peak Number 20 5-Eicosene, (E)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	14.03 ng	844139	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	93
2	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	91
3	Cyclohexadecane	224	C16H32	000295-65-8	90
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	83
5	Cyclopentadecane	210	C15H30	000295-48-7	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
Data File : BM018356.D
Acq On : 21 Dec 2018 12:30
Operator : JU/SJ
Sample : J6389-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-0006-01

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	76.7	ng	2979740	1	7.48	776535	20.0
Benzeneacetonitri...	12.03	13.2	ng	639850	2	10.25	966864	20.0
n-Hexadecanoic acid	17.83	12.8	ng	681225	4	16.91	1065730	20.0
1,1'-Biphenyl, 2,...	18.84	11.2	ng	596510	4	16.91	1065730	20.0
1,1'-Biphenyl, 2,...	19.13	15.2	ng	834166	5	21.14	1098440	20.0
Phenol, 4,4'-(1-m...	19.39	20.9	ng	1148490	5	21.14	1098440	20.0
1,1'-Biphenyl, 2,...	19.70	11.3	ng	621371	5	21.14	1098440	20.0
1,1'-Biphenyl, 2,...	19.84	34.0	ng	1864460	5	21.14	1098440	20.0
1,1'-Biphenyl, 2,...	20.13	34.6	ng	1900390	5	21.14	1098440	20.0
1,1'-Biphenyl, 2,...	20.29	18.1	ng	993504	5	21.14	1098440	20.0
1,1'-Biphenyl, 2,...	20.60	18.6	ng	1022290	5	21.14	1098440	20.0
9-Tricosene, (Z)-	20.86	43.2	ng	2372470	5	21.14	1098440	20.0
2,2',3,3',4,5',6-...	20.93	11.0	ng	602164	5	21.14	1098440	20.0
Cyclotetracosane	21.74	33.5	ng	1838190	5	21.14	1098440	20.0
Heptacosane	22.64	14.2	ng	856899	6	23.30	1203110	20.0
5-Eicosene, (E)-	22.69	14.0	ng	844139	6	23.30	1203110	20.0