LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018366.D
Acq On : 21 Dec 2018 20:40
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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	5.128	374	381	395	rBV	2147006	3117585	4.53%	0.489%
2	6.598	623	631	637	rBV	5226901	7664131	11.14%	1.201%
3	6.704	643	649	664	rVB	2108406	3688972	5.36%	0.578%
4	7.028	697	704	715	rBV	2261384	3496849	5.08%	0.548%
5	7.481	775	781	790	rBV	472272	735753	1.07%	0.115%
6	7.792	828	834	843	rVB	1570218	2511548	3.65%	0.394%
7	8.645	971	979	991	rBV	1245261	2123415	3.09%	0.333%
8	9.010	1033	1041	1047	rBV	4544979	6406527	9.31%	1.004%
9	10.245	1242	1251	1257	rBV	563296	973706	1.41%	0.153%
10	12.751	1670	1677	1687	rBV	3114446	4375376	6.36%	0.686%
11	14.145	1909	1914	1921	rBV2	886015	1341394	1.95%	0.210%
12	14.468	1963	1969	1975	rBV	2880589	4277732	6.22%	0.670%
13	15.662	2167	2172	2178	rBV	2834635	3933838	5.72%	0.616%
14	16.915	2381	2385	2389	rBV	1155829	1557777	2.26%	0.244%
15	17.098	2412	2416	2420	rBV	874561	1112601	1.62%	0.174%
16	17.845	2540	2543	2548	rVB2	990094	1269739	1.84%	0.199%
17	17.992	2564	2568	2573	rVB3	2222303	2900234	4.21%	0.454%
18	18.856	2707	2715	2723	rVB2	11379904	16338796	23.74%	2.560%
19	19.062	2746	2750	2755	rVB	1453375	1815511	2.64%	0.285%
20	19.145	2758	2764	2770	rVV	15719409	20724013	30.11%	3.248%
21	19.203	2771	2774	2778	rVV	948828	1094269	1.59%	0.171%
22	19.409	2805	2809	2815	rVB	3728595	5318122	7.73%	0.833%
23	19.486	2818	2822	2826	rBV	2070765	2486076	3.61%	0.390%
24	19.574	2832	2837	2838	rBV	8550376	11028366	16.02%	1.728%
25	19.721	2857	2862	2866	rBV	15494583	19730471	28.67%	3.092%
26	19.762	2866	2869	2876	rVB	5773510	10093379	14.67%	1.582%
27	19.874	2881	2888	2892	rVV	40892619	54038315	78.51%	8.468%
28	19.915	2892	2895	2901	rVB	3708590	4741232	6.89%	0.743%
29	19.986	2904	2907	2911	rVB	1911693	2112635	3.07%	0.331%
30	20.068	2917	2921	2927	rVB	4756119	6239814	9.07%	0.978%
31	20.162	2930	2937	2940	rBV	40806763	59179639	85.98%	9.274%
32	20.203	2940	2944	2947	rVB	9545099	11498379	16.71%	1.802%
33	20.309	2956	2962	2967	rBV2	23445434	29563339	42.95%	4.633%
34	20.392	2973	2976	2980	rVB	3754761	4374870	6.36%	0.686%

LSC Area Percent Report

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Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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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	20.474	2981	2990	2995	rBV	25415153	51012236	74.12%	7.994%
36	20.515	2995	2997	3001	rVB	4910562	4819629	7.00%	0.755%
37	20.621	3009	3015	3019	rVV	29068596	35280545	51.26%	5.529%
38	20.680	3021	3025	3030	rVB	13735801	15087586	21.92%	2.364%
39	20.774	3038	3041	3044	rBV	2497347	2874666	4.18%	0.450%
40	20.809	3044	3047	3054	rVB2	3379109	4095111	5.95%	0.642%
41	20.892	3054	3061	3065	rBV	24846142	32705879	47.52%	5.125%
42	20.944	3065	3070	3075	rBV3	14715485	17950954	26.08%	2.813%
43	20.997	3075	3079	3082	rBV	5135344	5652194	8.21%	0.886%
44	21.033	3082	3085	3089	rVB2	2198717	2848550	4.14%	0.446%
45	21.097	3093	3096	3100	rVB	2954274	3035896	4.41%	0.476%
46	21.191	3104	3112	3116	rBV	46883457	68826206	100.00%	10.786%
47	21.309	3129	3132	3135	rVB	1734016	1677014	2.44%	0.263%
48	21.491	3157	3163	3167	rBV	20240341	28665990	41.65%	4.492%
49	21.539	3167	3171	3178	rVB	11846797	15481558	22.49%	2.426%
50	21.609	3178	3183	3187	rBV	14145363	16190945	23.52%	2.537%
51	21.939	3235	3239	3245	rVB	4305957	5507787	8.00%	0.863%
52	22.156	3271	3276	3282	rBV	10402622	14552565	21.14%	2.281%

Sum of corrected areas: 638129714

LSC Report - Integrated Chromatogram

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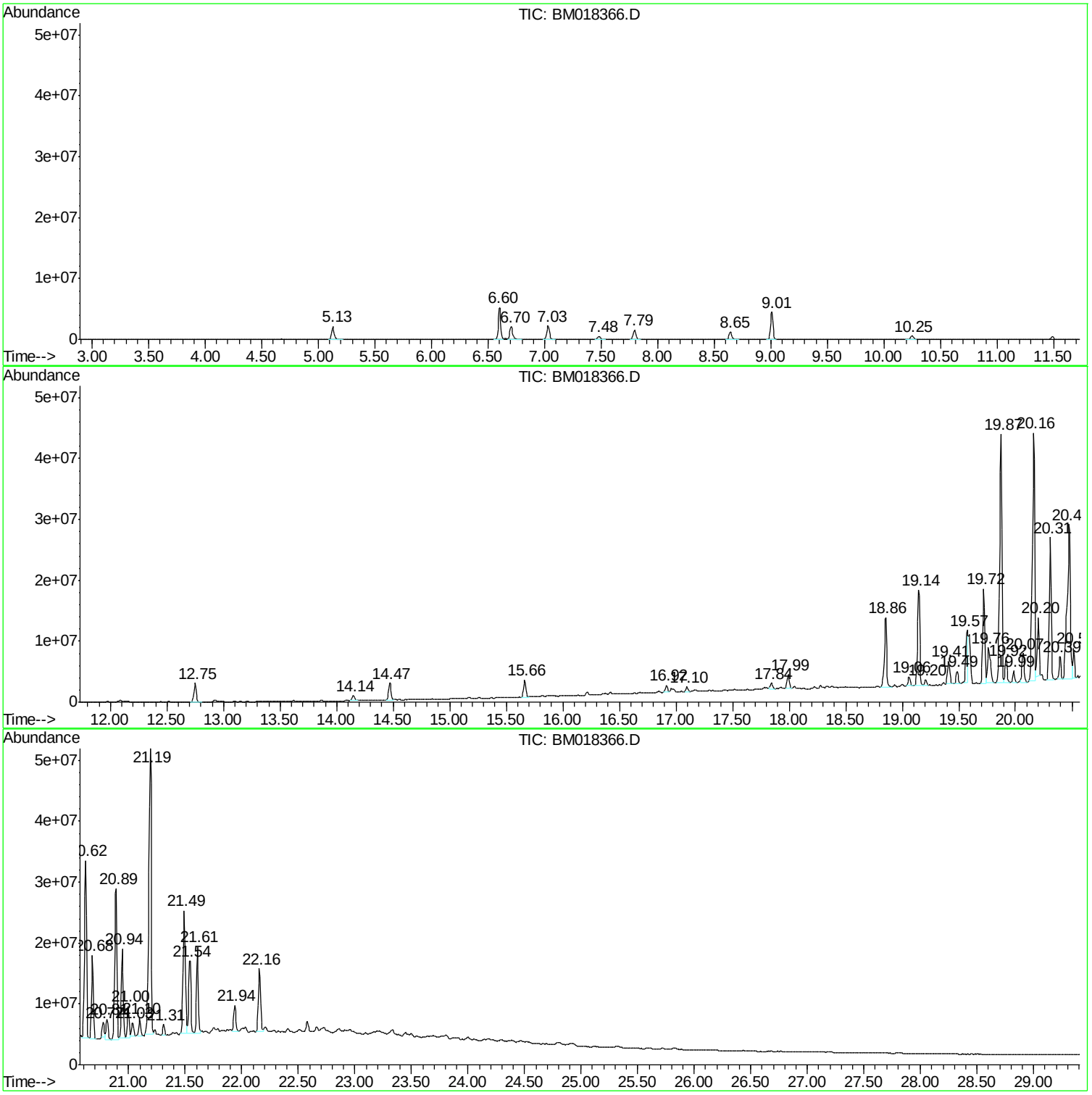
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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 : BM018366.D
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Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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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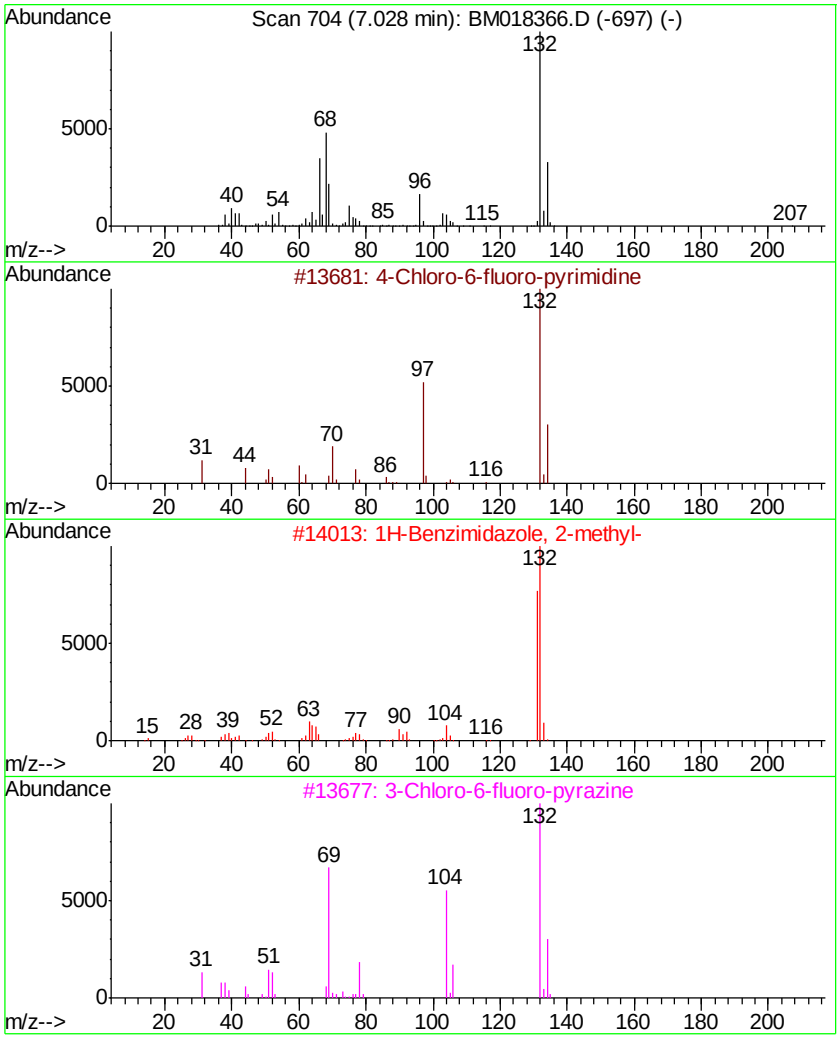
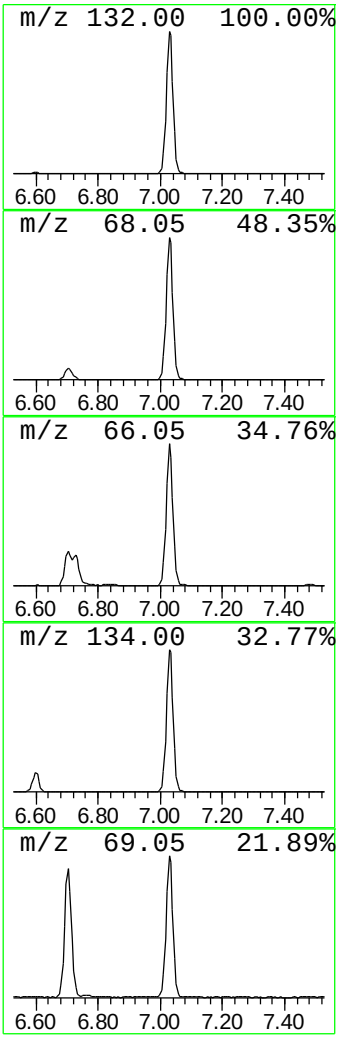
Peak Number 2 unknown7.03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	95.06 ng	3496850	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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018366.D
Acq On : 21 Dec 2018 20:40
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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

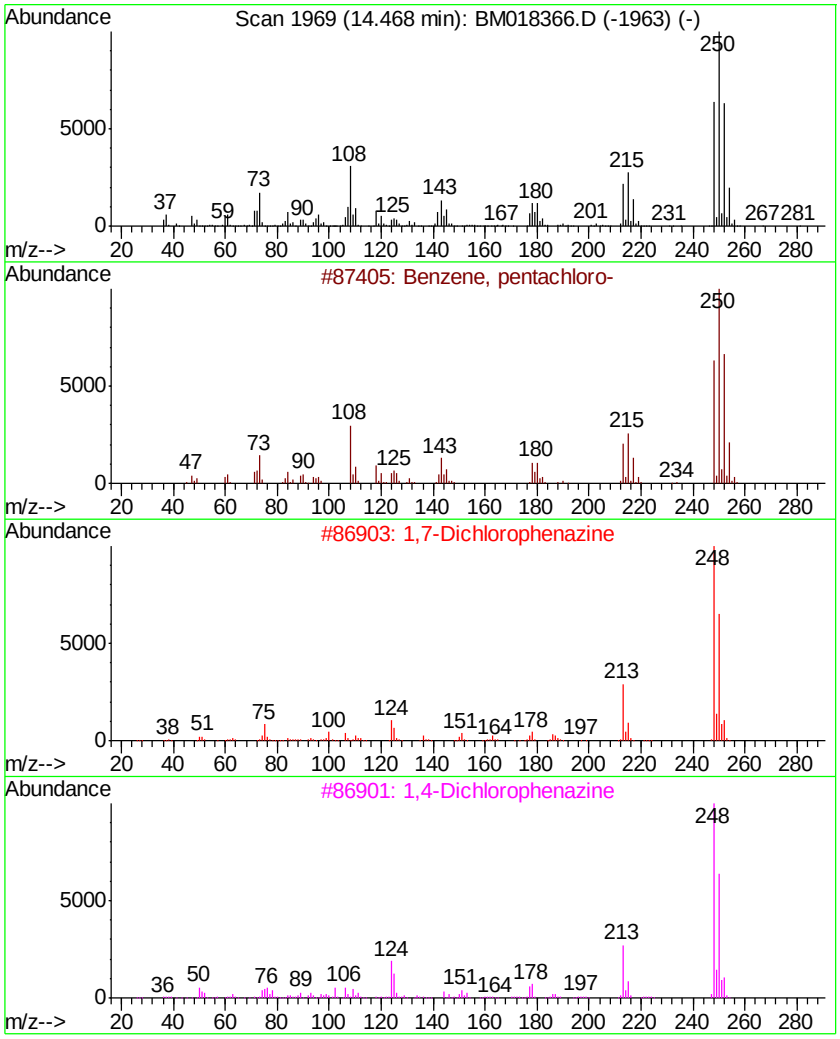
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

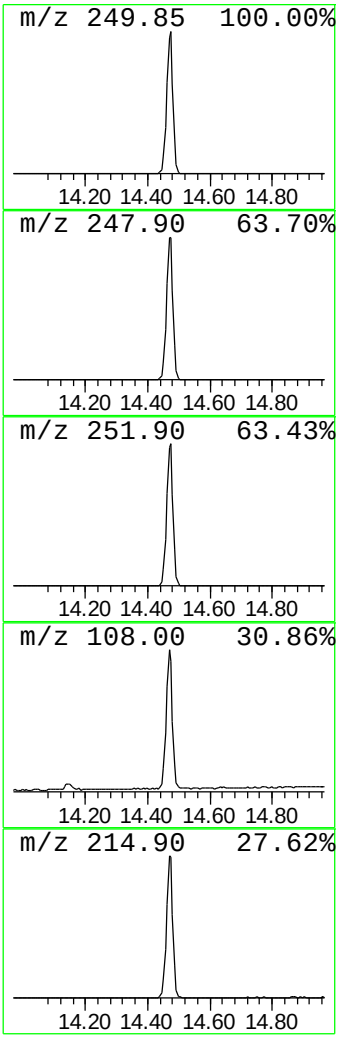
****

Peak Number 5 Benzene, pentachloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	63.78 ng	4277730	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentachloro-	248	C6HCl5	000608-93-5	99
2	1,7-Dichlorophenazine	248	C12H6Cl2N2	013860-52-1	35
3	1,4-Dichlorophenazine	248	C12H6Cl2N2	002881-86-9	35
4	4,8-Dichlorobenzo[hl-1,6-naphthy...	248	C12H6Cl2N2	1000254-60-4	27
5	4,4'-Thiodibenzenethiol	250	C12H10S3	019362-77-7	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
Data File : BM018366.D
Acq On : 21 Dec 2018 20:40
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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

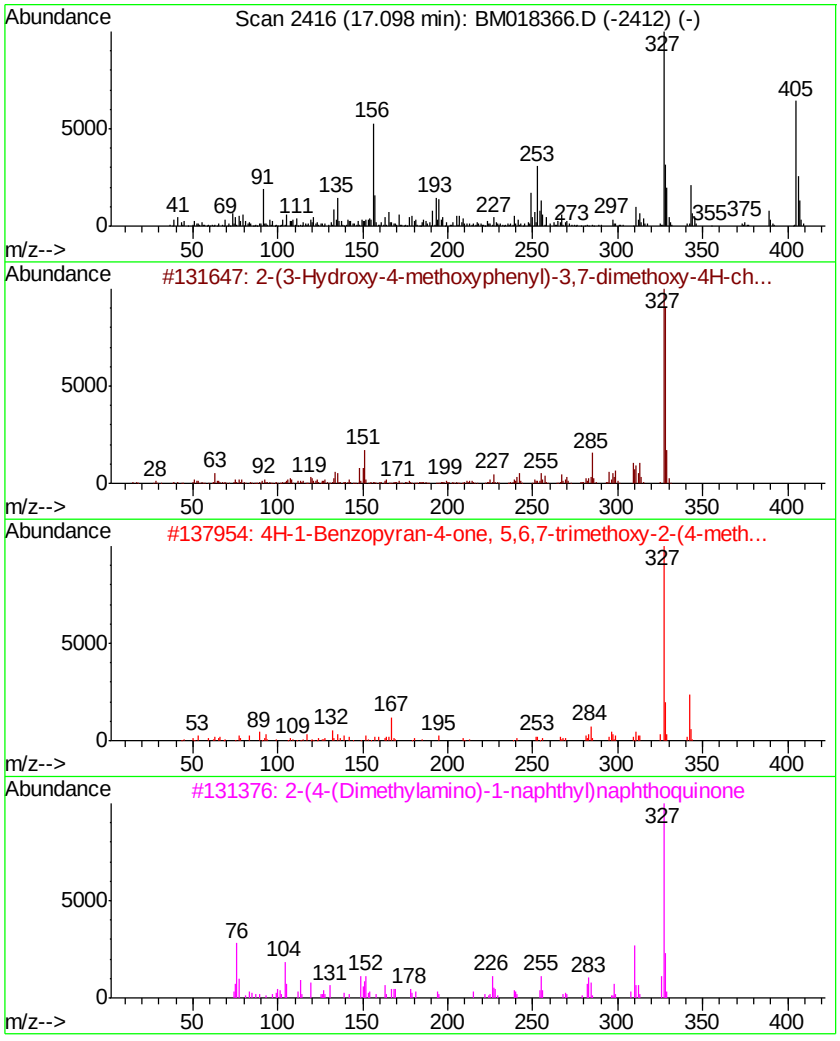
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

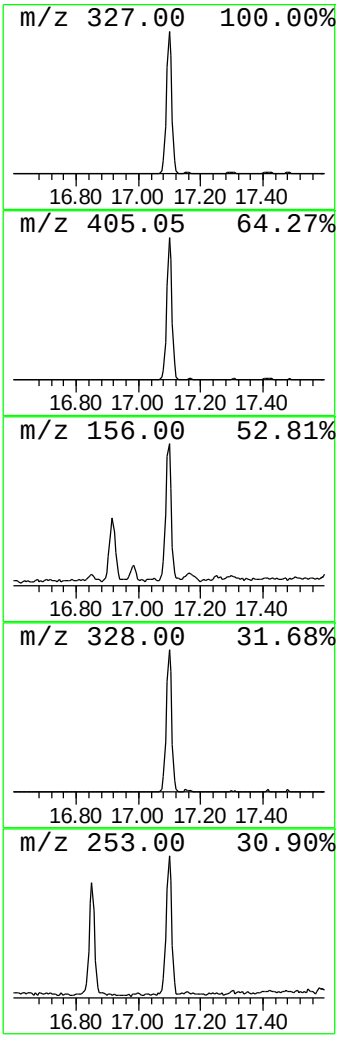
****

Peak Number 6 unknown17.10 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	14.28 ng	1112600	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3-Hydroxy-4-methoxyphenyl)-3,...	328	C18H16O6	093876-56-3	16
2	4H-1-Benzopyran-4-one, 5,6,7-tri...	342	C19H18O6	001168-42-9	12
3	2-(4-(Dimethylamino)-1-naphthyl)...	327	C22H17NO2	085808-66-8	12
4	Corynan-17-ol, 10-methoxy-	328	C20H28N2O2	015266-55-4	10
5	Bicyclo[4.1.0]hepta-2,4-diene, 2...	356	C27H32	1000158-07-0	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
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Misc :
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Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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

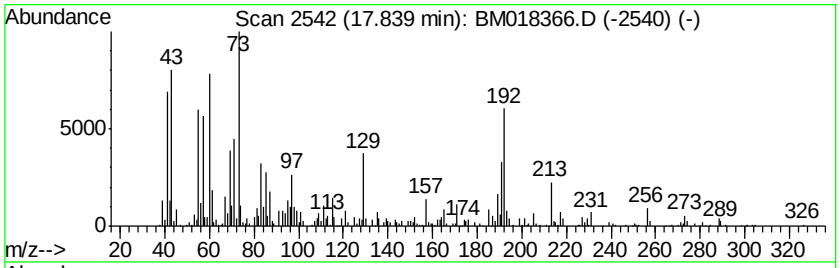
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

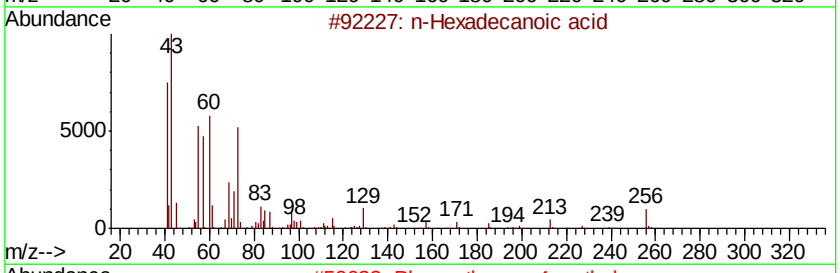
****

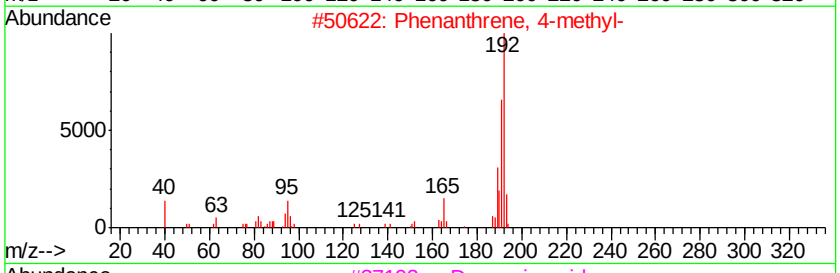
Peak Number 7 n-Hexadecanoic acid Concentration Rank 9

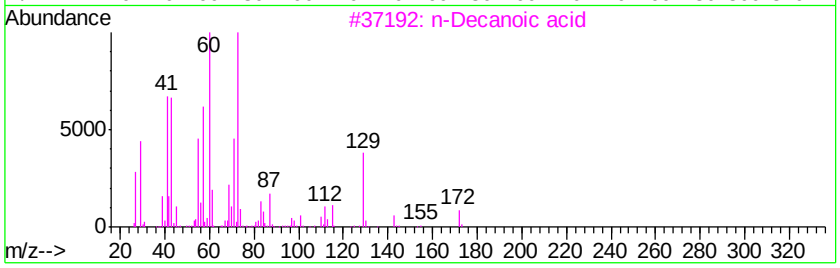
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	16.30 ng	1269740	Phenanthrene-d10	16.92

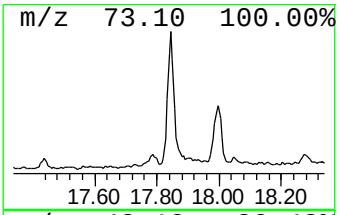
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	56
3	n-Decanoic acid	172	C10H20O2	000334-48-5	55
4	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	53
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25

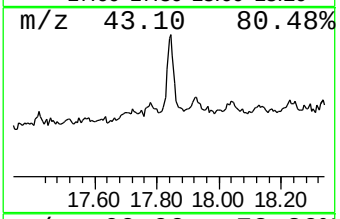


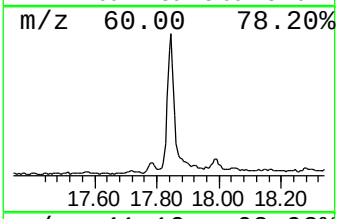


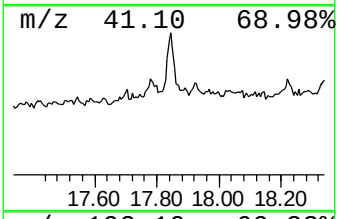


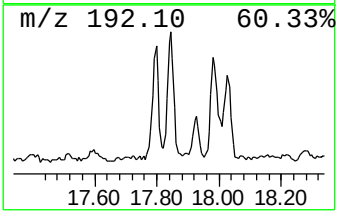












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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

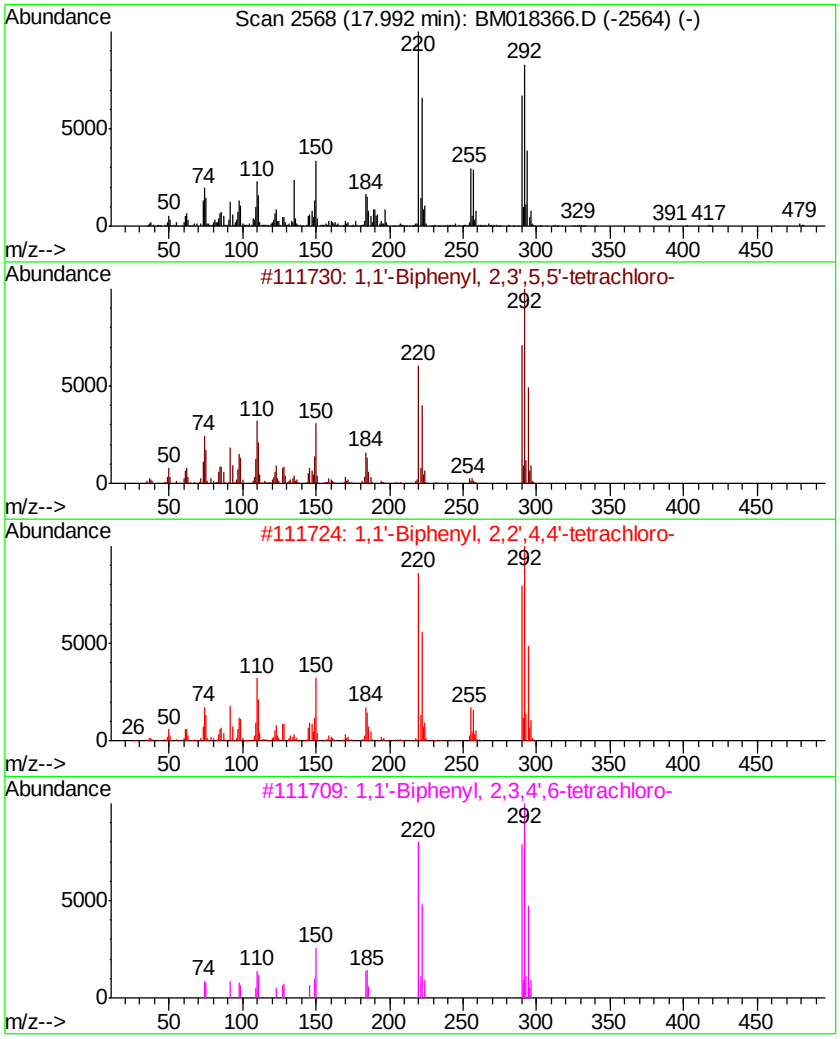
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

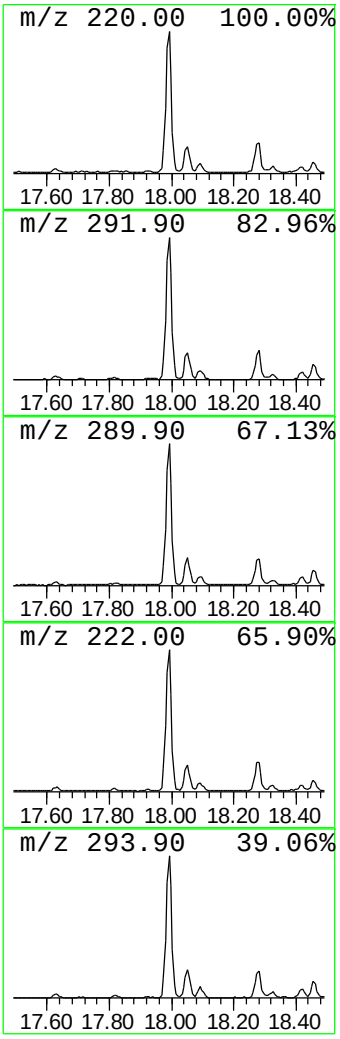
****

Peak Number 8 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	37.24 ng	2900230	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	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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

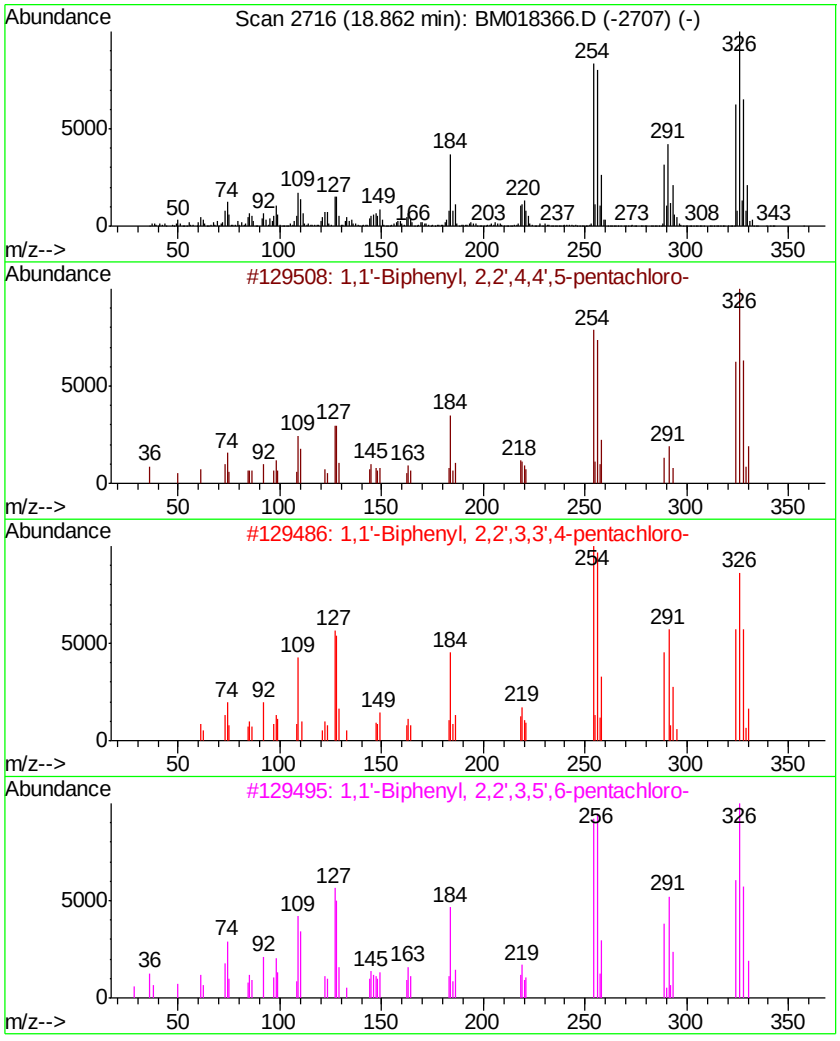
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

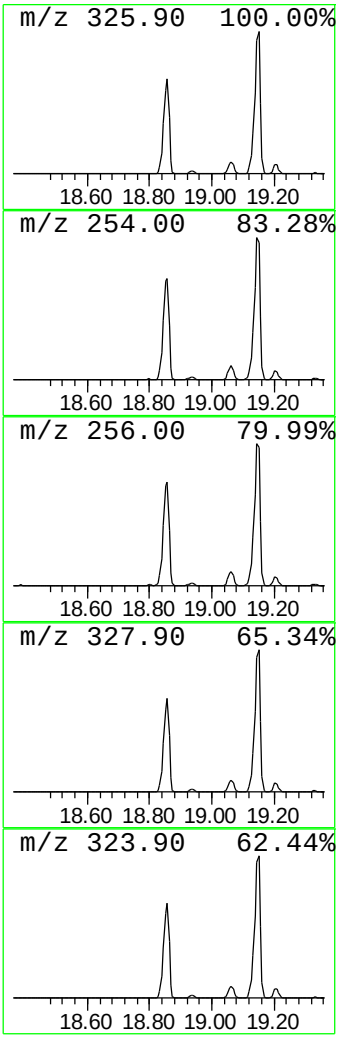
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	209.77 ng	16338800	Phenanthrene-d10	16.92

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, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
3	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99





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Data File : BM018366.D
Acq On : 21 Dec 2018 20:40
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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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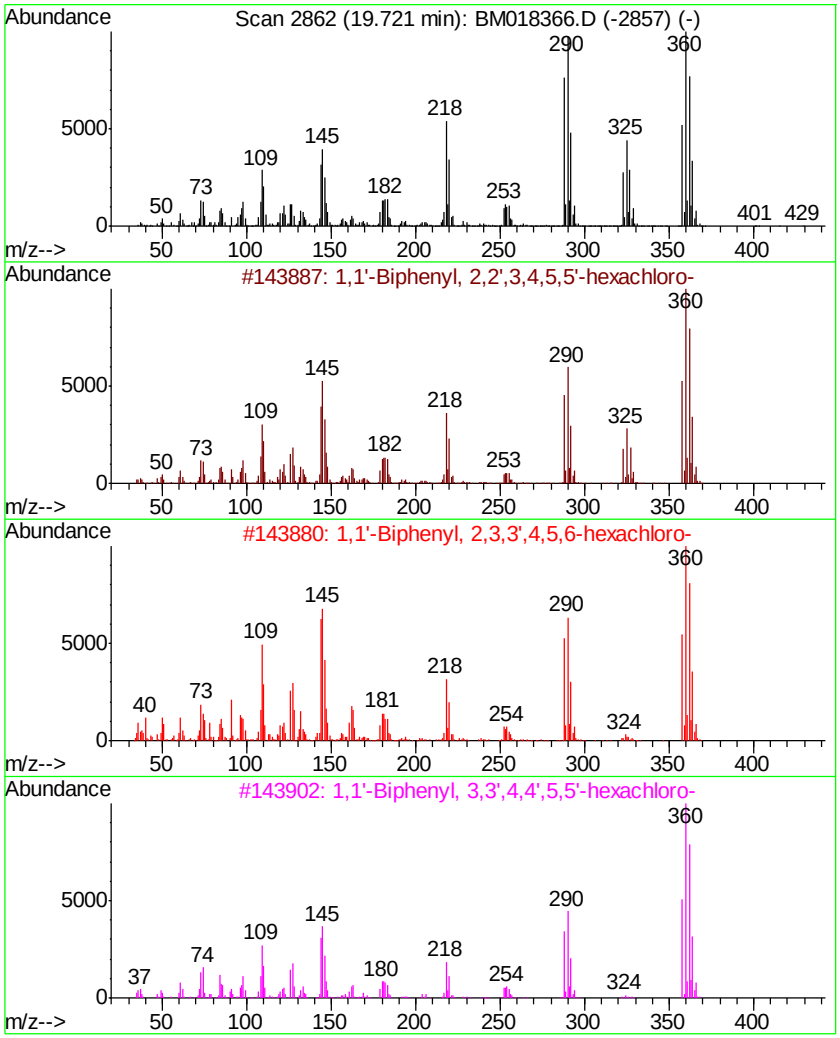
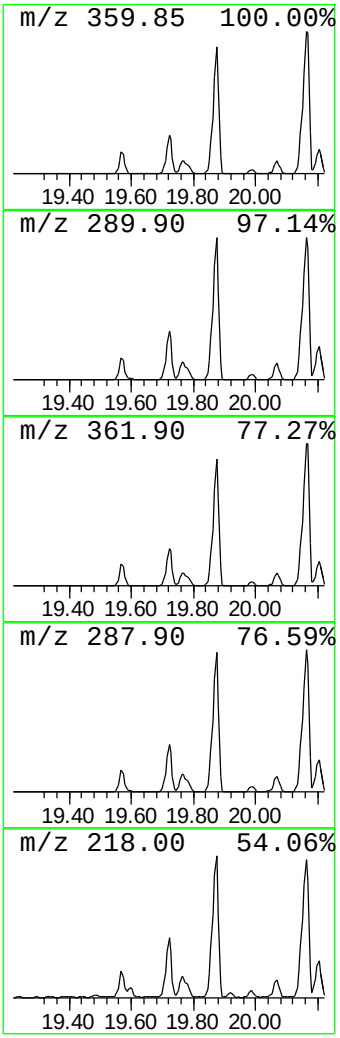
Peak Number 11 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	5.73 ng	19730500	Chrysene-d12	21.16

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, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99





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Data File : BM018366.D
Acq On : 21 Dec 2018 20:40
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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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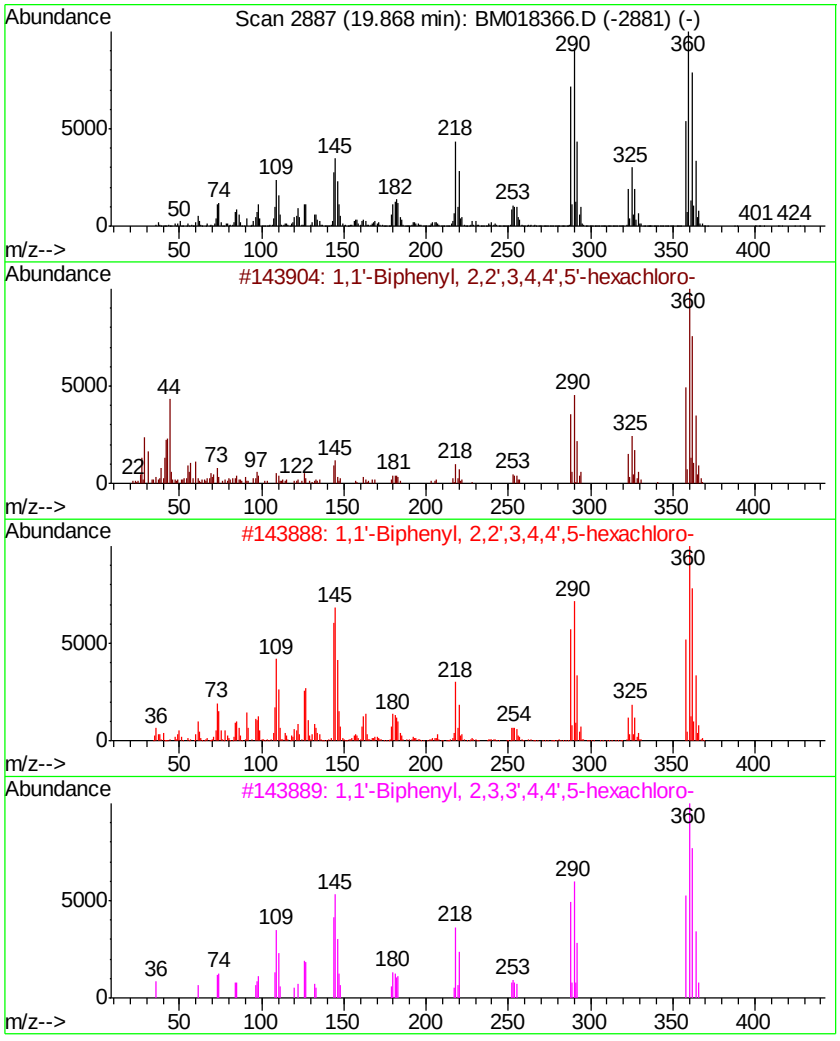
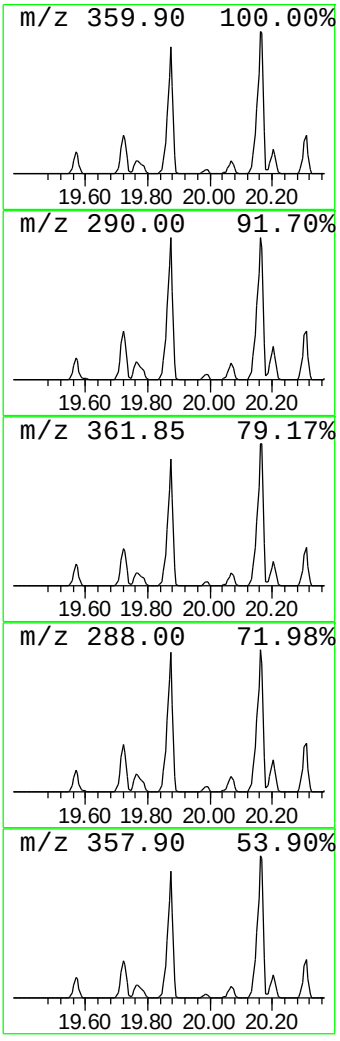
Peak Number 12 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	15.70 ng	54038300	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	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





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Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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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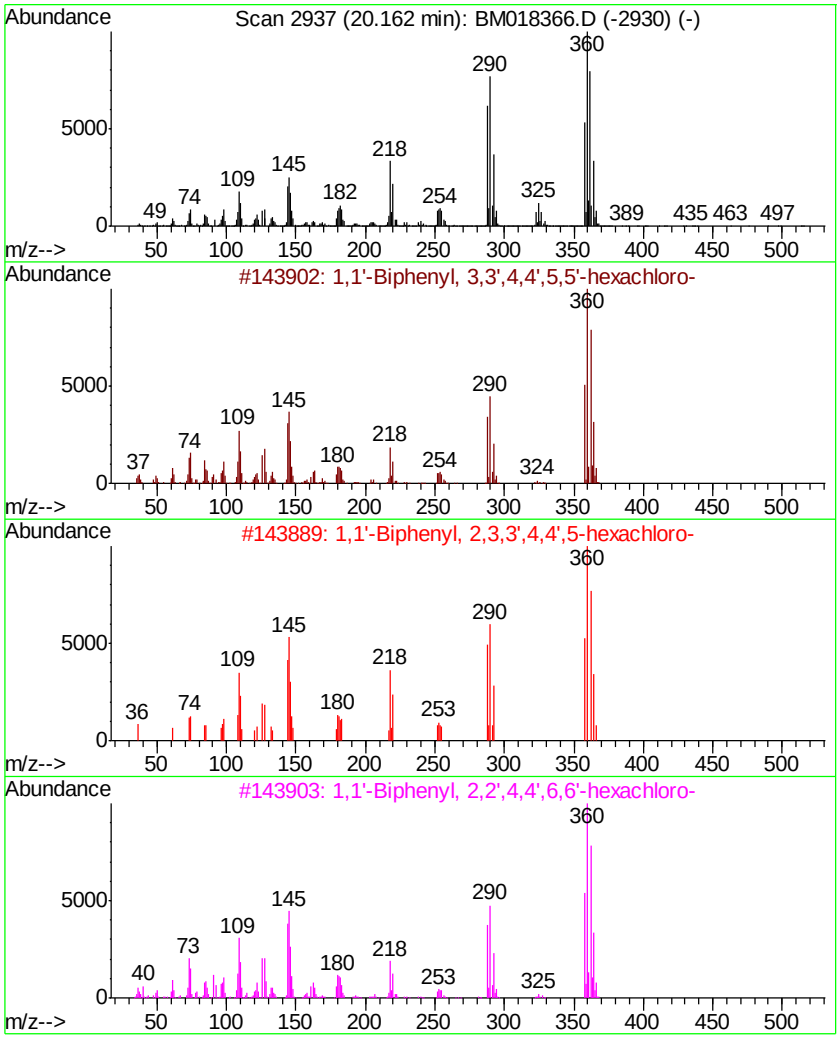
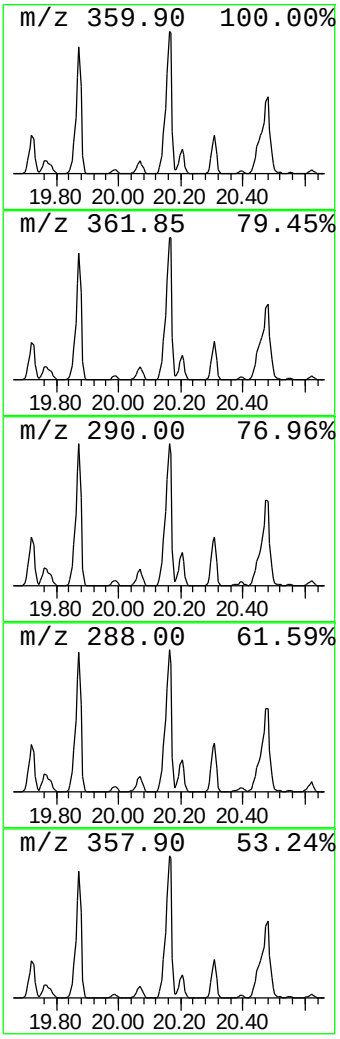
Peak Number 13 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	17.20 ng	59179600	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
4	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	97
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
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TIC Integration Parameters: LSCINT.P

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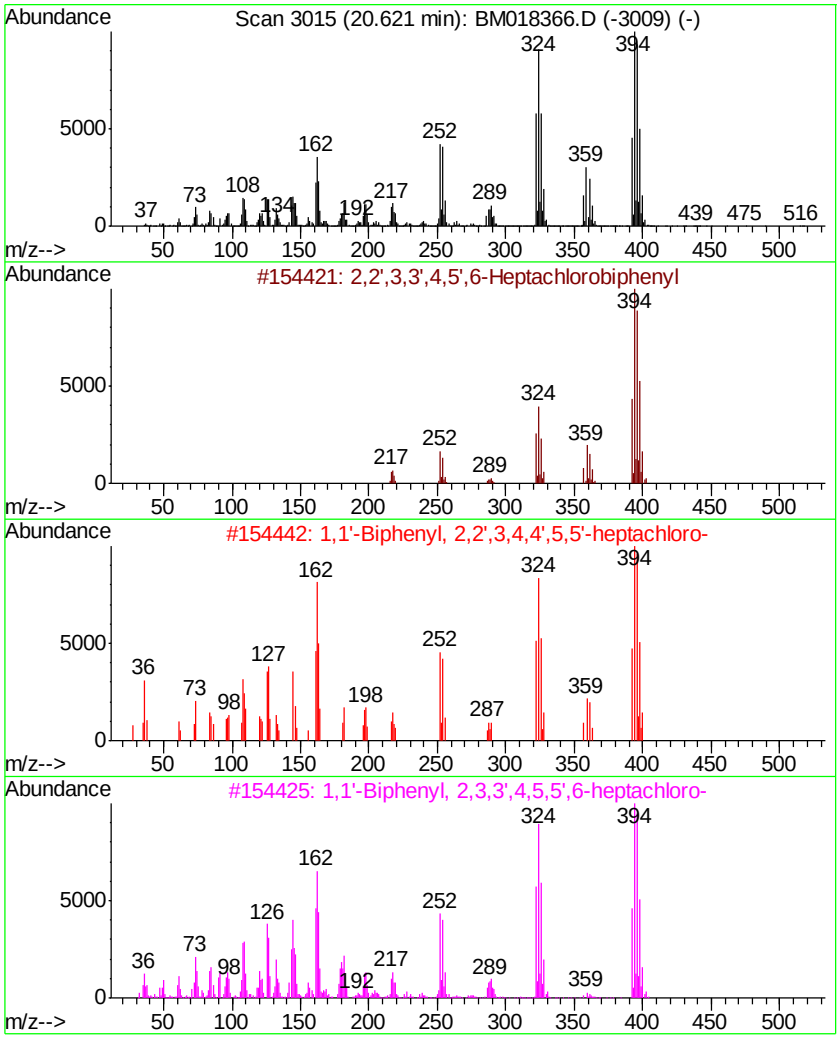
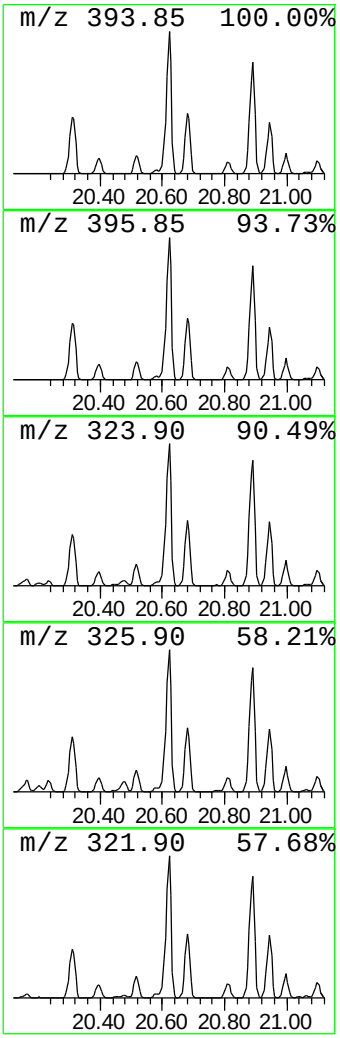
Peak Number 16 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	10.25 ng	35280500	Chrysene-d12	21.16

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',3,4,4',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',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
Data File : BM018366.D
Acq On : 21 Dec 2018 20:40
Operator : JU/SJ
Sample : J6389-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SS013-1218-01

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	95.1	ng	3496850	1	7.48	735753	20.0
Benzene, pentachl...	14.47	63.8	ng	4277730	3	14.14	1341390	20.0
unknown17.10	17.10	14.3	ng	1112600	4	16.92	1557780	20.0
n-Hexadecanoic acid	17.84	16.3	ng	1269740	4	16.92	1557780	20.0
1,1'-Biphenyl, 2,...	17.99	37.2	ng	2900230	4	16.92	1557780	20.0
1,1'-Biphenyl, 2,...	18.86	209.8	ng	16338800	4	16.92	1557780	20.0
1,1'-Biphenyl, 2,...	19.72	5.7	ng	19730500	5	21.16	68826200	20.0
1,1'-Biphenyl, 2,...	19.87	15.7	ng	54038300	5	21.16	68826200	20.0
1,1'-Biphenyl, 3,...	20.16	17.2	ng	59179600	5	21.16	68826200	20.0
2,2',3,3',4,5',6-...	20.62	10.3	ng	35280500	5	21.16	68826200	20.0