LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

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:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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	2.378	4	8	9	rBV4	47932	85739	2.60%	0.222%
2	2.458	13	15	17	rBV3	41099	49103	1.49%	0.127%
3	2.504	17	19	22	rBV4	54263	146478	4.44%	0.380%
4	2.641	29	31	34	rVB4	44869	58947	1.79%	0.153%
5	2.698	34	36	37	rBV2	47781	86796	2.63%	0.225%
6	2.778	41	43	46	rVB4	40541	75623	2.29%	0.196%
7	2.927	55	56	58	rBV2	43181	61599	1.87%	0.160%
8	2.972	58	60	61	rVV2	47822	53717	1.63%	0.139%
9	3.007	61	63	66	rVB4	73268	126188	3.82%	0.327%
10	3.052	66	67	69	rBV2	40002	59304	1.80%	0.154%
11	3.121	69	73	75	rBV5	88206	248377	7.53%	0.644%
12	3.247	82	84	90	rVB7	52213	137010	4.15%	0.355%
13	3.350	91	93	96	rVB4	37258	54757	1.66%	0.142%
14	3.407	96	98	99	rBV2	37583	57298	1.74%	0.148%
15	3.578	111	113	115	rVB3	53852	85409	2.59%	0.221%
16	3.624	115	117	118	rBV2	39978	66403	2.01%	0.172%
17	3.807	130	133	134	rBV3	43094	70525	2.14%	0.183%
18	3.898	139	141	143	rBV3	30485	54285	1.64%	0.141%
19	4.310	175	177	179	rBV3	33070	56965	1.73%	0.148%
20	4.447	186	189	191	rBV4	64176	122275	3.71%	0.317%
21	4.721	211	213	216	rBV4	44353	117735	3.57%	0.305%
22	5.178	250	253	257	rBV	571292	682205	20.67%	1.768%
23	5.578	286	288	290	rBV	2549881	2755603	83.50%	7.141%
24	5.773	301	305	309	rBV7	74515	337825	10.24%	0.875%
25	6.059	327	330	332	rBV4	86739	250144	7.58%	0.648%
26	6.596	374	377	379	rBV	2954017	2817564	85.38%	7.301%
27	6.630	379	380	383	rVB3	65734	82924	2.51%	0.215%
28	6.687	383	385	387	rBV3	39037	80491	2.44%	0.209%
29	6.744	387	390	392	rVV	3320157	3180636	96.38%	8.242%
30	6.779	392	393	397	rVB4	30099	42860	1.30%	0.111%
31	6.973	409	410	413	rVB	832473	894489	27.10%	2.318%
32	7.133	422	424	426	rVB	2778476	2329822	70.60%	6.037%
33	7.533	457	459	462	rBV	1651738	1820270	55.16%	4.717%
34	7.613	464	466	471	rBV6	109041	384775	11.66%	0.997%

LSC Area Percent Report

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Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

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:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.082	504	507	509	rBV4	83108	212800	6.45%	0.551%
36	8.139	510	512	514	rVV3	80813	123491	3.74%	0.320%
37	8.264	517	523	524	rBV	1424266	1618883	49.06%	4.195%
38	8.596	551	552	554	rBV2	47049	62219	1.89%	0.161%
39	8.687	558	560	563	rBV	90481	192163	5.82%	0.498%
40	9.282	611	612	614	rVB	120872	99959	3.03%	0.259%
41	9.339	614	617	619	rBV	3666340	3300117	100.00%	8.551%
42	9.419	622	624	626	rBV3	64053	92384	2.80%	0.239%
43	9.602	636	640	644	rBV7	105458	331937	10.06%	0.860%
44	9.670	644	646	647	rVV2	64340	100297	3.04%	0.260%
45	9.727	649	651	655	rVB	707018	714733	21.66%	1.852%
46	9.945	669	670	672	rVB	100815	77419	2.35%	0.201%
47	10.013	674	676	679	rVV2	1177137	1363212	41.31%	3.532%
48	10.070	679	681	684	rVB4	37080	68081	2.06%	0.176%
49	10.448	712	714	715	rVB	123493	110207	3.34%	0.286%
50	10.802	742	745	748	rBV	2159141	1991471	60.35%	5.160%
51	10.916	753	755	759	rBV	169323	240781	7.30%	0.624%
52	11.499	804	806	809	rVB	1508572	1354640	41.05%	3.510%
53	11.556	810	811	813	rBV2	60650	75209	2.28%	0.195%
54	12.025	850	852	856	rVB5	113706	238972	7.24%	0.619%
55	12.093	856	858	859	rBV2	45373	77128	2.34%	0.200%
56	12.436	886	888	893	rBV6	70917	157245	4.76%	0.407%
57	12.596	900	902	905	rBV4	56190	122828	3.72%	0.318%
58	12.745	913	915	917	rBV3	63196	114326	3.46%	0.296%
59	12.802	918	920	921	rVB2	76390	86354	2.62%	0.224%
60	13.088	943	945	947	rBV	3076397	3094456	93.77%	8.019%
61	13.579	984	988	991	rBV6	44731	141338	4.28%	0.366%
62	13.694	996	998	1000	rBV3	46885	75452	2.29%	0.196%
63	13.808	1006	1008	1009	rBV2	48844	50880	1.54%	0.132%
64	13.968	1020	1022	1027	rBV	216796	453540	13.74%	1.175%
65	14.139	1034	1037	1039	rVV	914872	1152939	34.94%	2.988%
66	14.185	1039	1041	1042	rVB2	53943	73585	2.23%	0.191%
67	14.494	1067	1068	1071	rBV3	86542	197381	5.98%	0.511%
68	14.608	1076	1078	1082	rBV5	75117	233197	7.07%	0.604%
69	15.259	1133	1135	1143	rBV9	94384	336100	10.18%	0.871%
70	15.602	1163	1165	1168	rVB	560053	667421	20.22%	1.729%
71	16.334	1228	1229	1232	rVB3	82762	120858	3.66%	0.313%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.974	1282	1285	1286	rBV3	89497	145014	4.39%	0.376%
73	17.968	1370	1372	1374	rBV3	64722	72539	2.20%	0.188%
74	18.243	1394	1396	1402	rVB7	175049	380729	11.54%	0.987%
75	18.825	1442	1447	1449	rBV6	327647	934684	28.32%	2.422%

Sum of corrected areas: 38591110

LSC Report - Integrated Chromatogram

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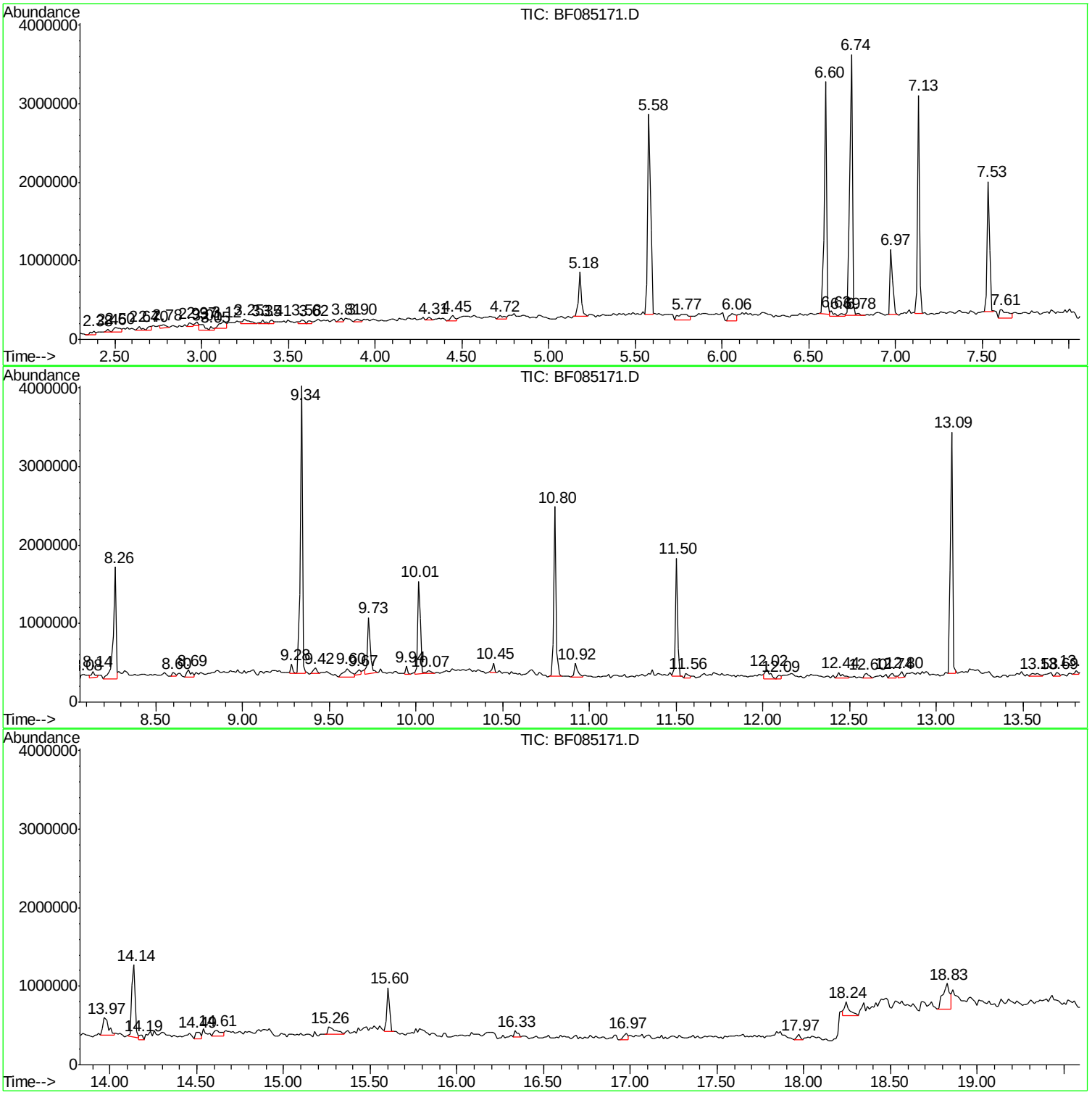
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

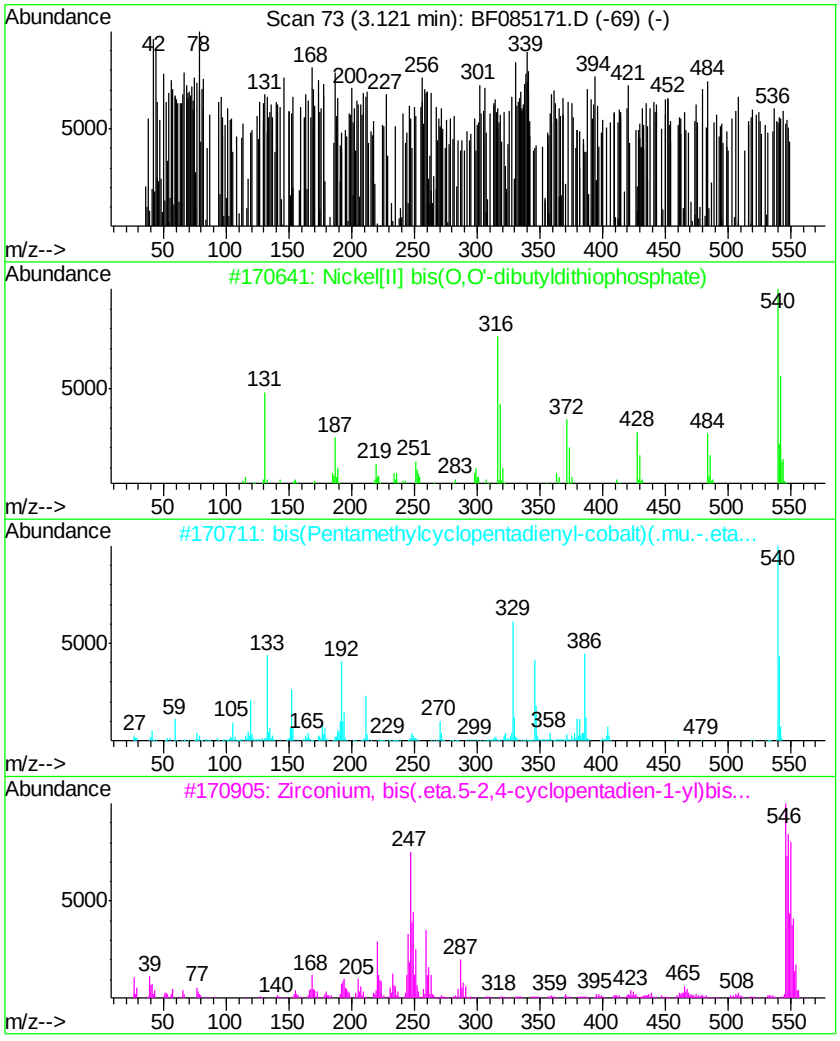
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

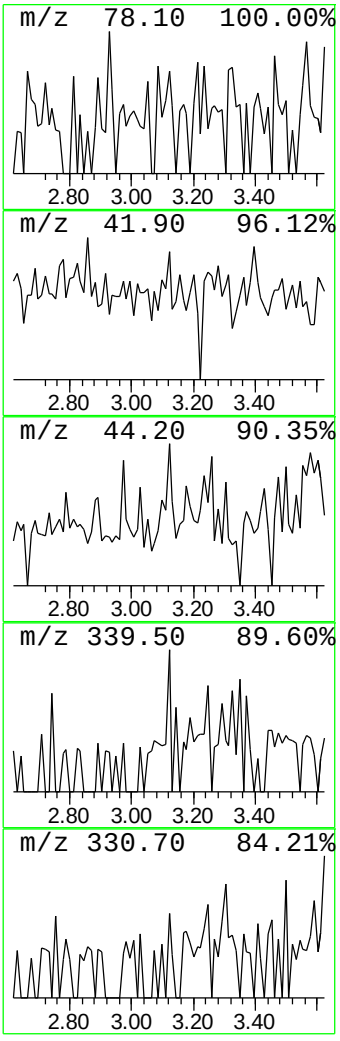
****

Peak Number 2 unknown3.12 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	5.55 ng	248377	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nickel[II] bis(O,O'-dibutyldithi...	540	C16H36NiO4P2S4	037913-22-7	35
2	bis(Pentamethylcyclopentadienyl-...	540	C32H38Co2	1000157-66-1	11
3	Zirconium, bis(.eta.5-2,4-cyclop...	546	C28H30Zr2	119144-91-1	10
4	2,1-Benzisoxazole-6-carboxamide,...	544	C29H18Cl2N2O5	1000164-69-9	10
5	1,2,3-Tris(3,4,5-trimethoxypheny...	540	C30H36O9	1000101-05-8	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

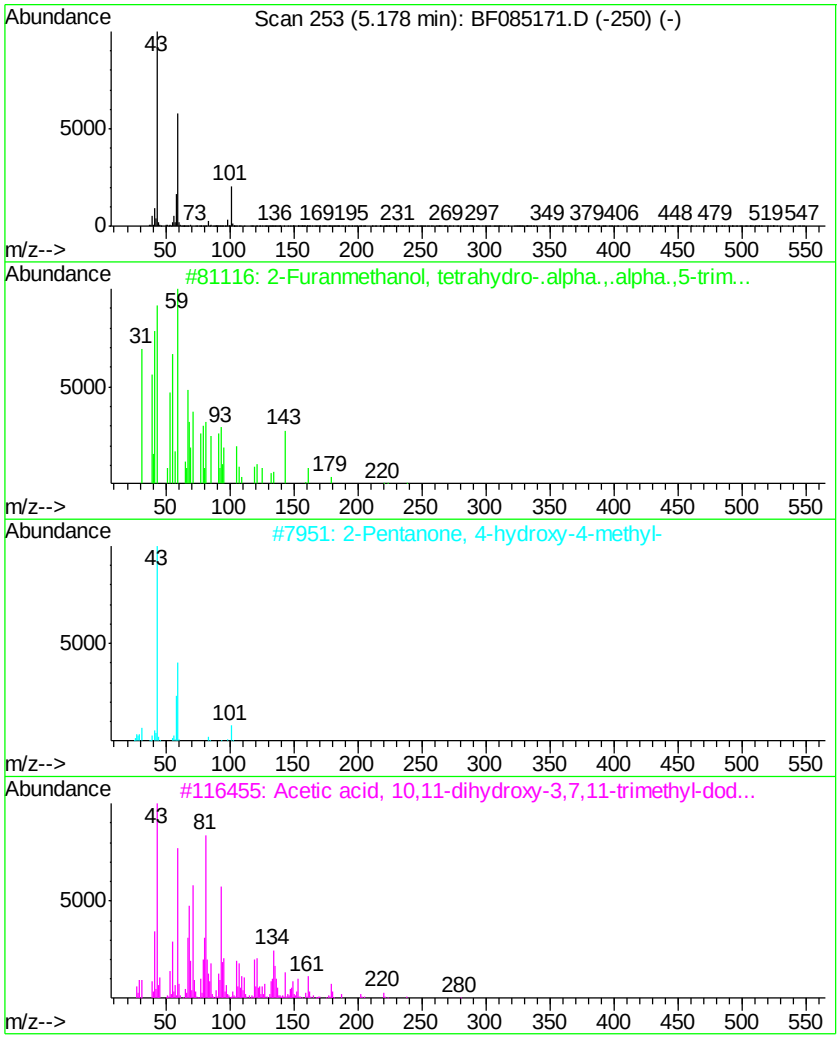
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

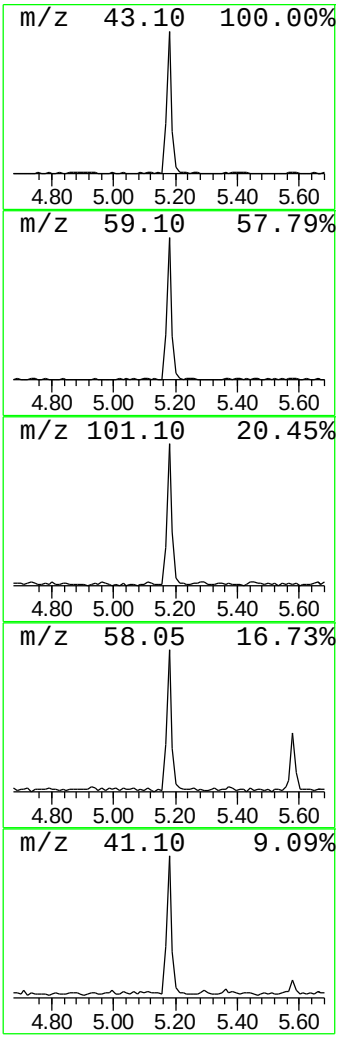
****

Peak Number 4 unknown5.18 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	15.25 ng	682205	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furanmethanol, tetrahydro-.alp...	238	C15H26O2	026184-88-3	38
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37
3	Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	32
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	2,5,8,11,14-Pentaoxapentadecane	222	C10H22O5	000143-24-8	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

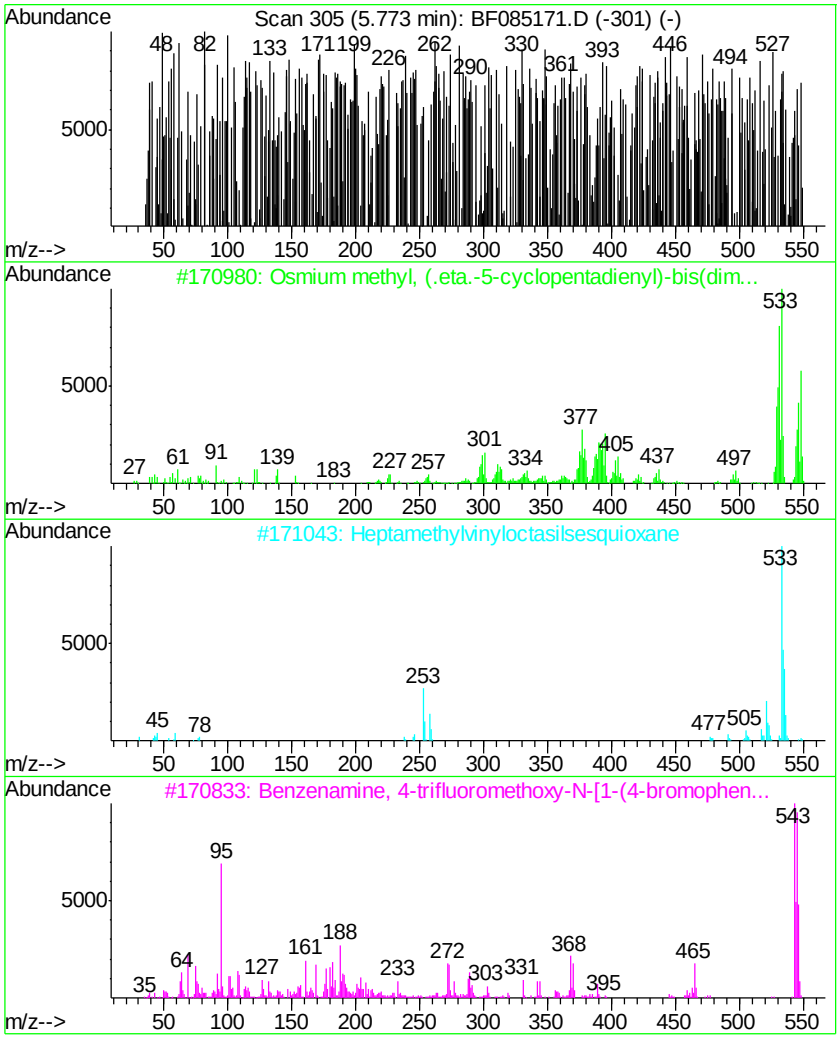
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

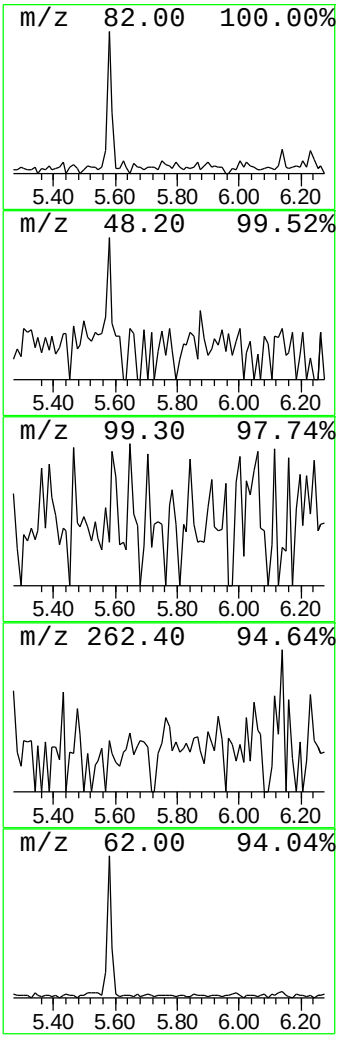
****

Peak Number 5 unknown5.77 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	7.55 ng	337825	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Osmium methyl, (.eta.-5-cyclopen...	548	C22H30OsP2	1000158-92-4	25
2	Heptamethylvinyloctasilsesquioxane	548	C9H24O12Si8	119329-56-5	10
3	Benzenamine, 4-trifluoromethoxy-...	544	C23H15BrF6N2O2	284495-96-1	9
4	1,3,5,7,9,11,13-Heptaethyl-11-me...	562	C15H42O9Si7	073113-20-9	9
5	Chromium, tetrakis(.eta.5-2,4-cy...	532	C20H20Cr4O4	079417-63-3	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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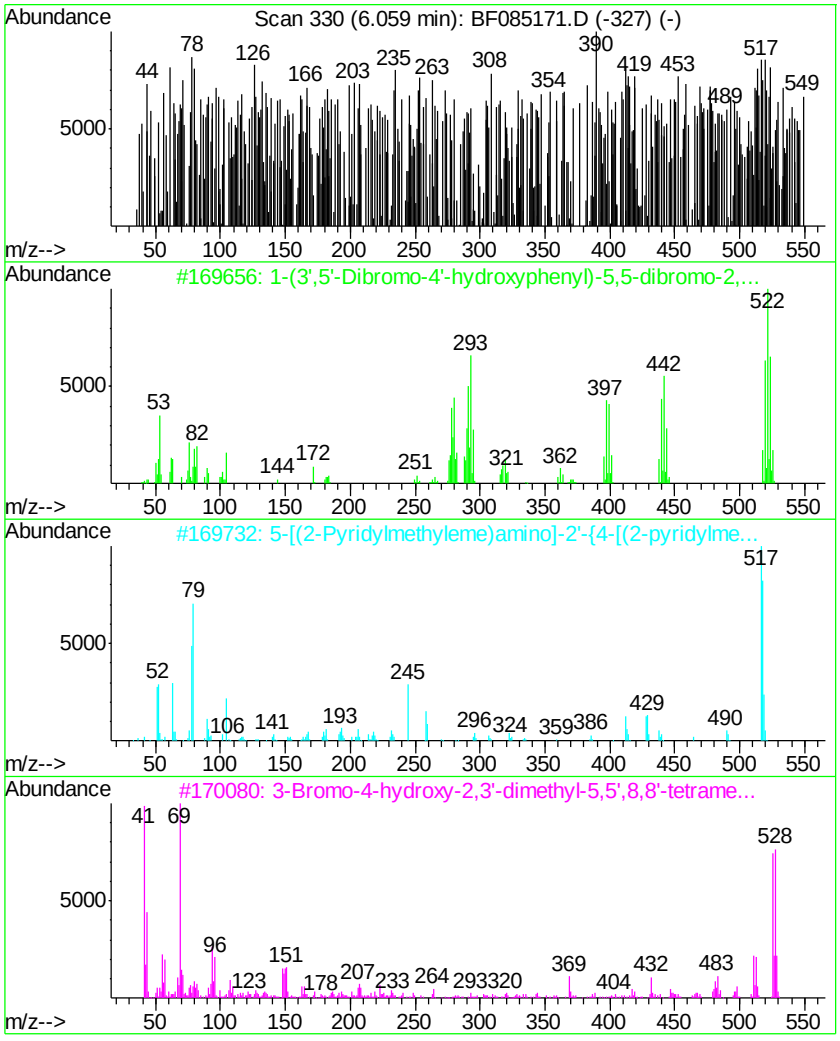
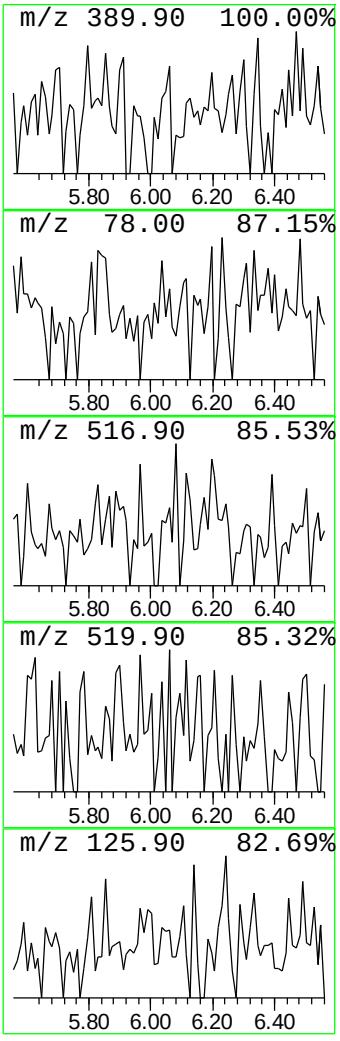
Peak Number 6 unknown6.06 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	5.59 ng	250144	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3',5'-Dibromo-4'-hydroxypheny...	518	C10H6Br4N2O3	083809-80-7	25
2	5-[(2-Pyridylmethyleme)amino]-2'...	518	C32H22N8	294651-18-6	10
3	3-Bromo-4-hydroxy-2,3'-dimethyl-...	526	C26H23BrO7	101459-34-1	8
4	Vanadium, oxo[2,7,12,17-tetraeth...	543	C32H36N4OV	014055-20-0	7
5	Tris(3-acetyltetramsaeure)-gadol...	704	C27H36GdN3O9	1000286-94-3	7





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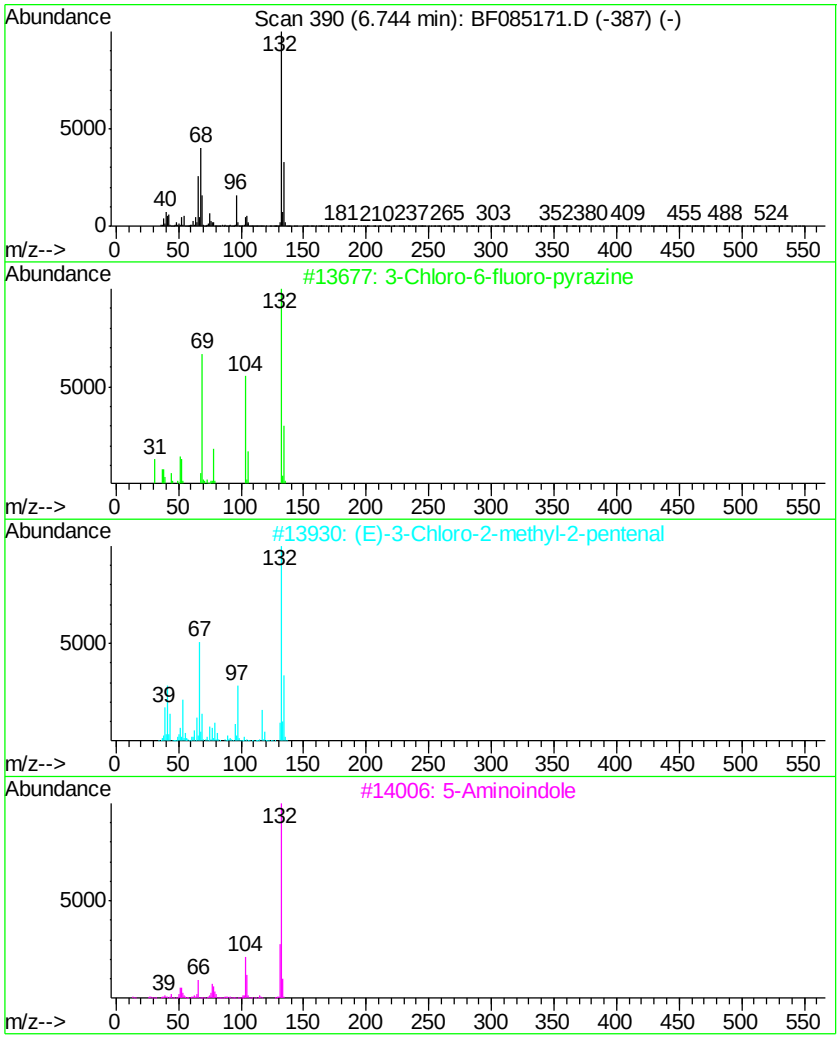
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

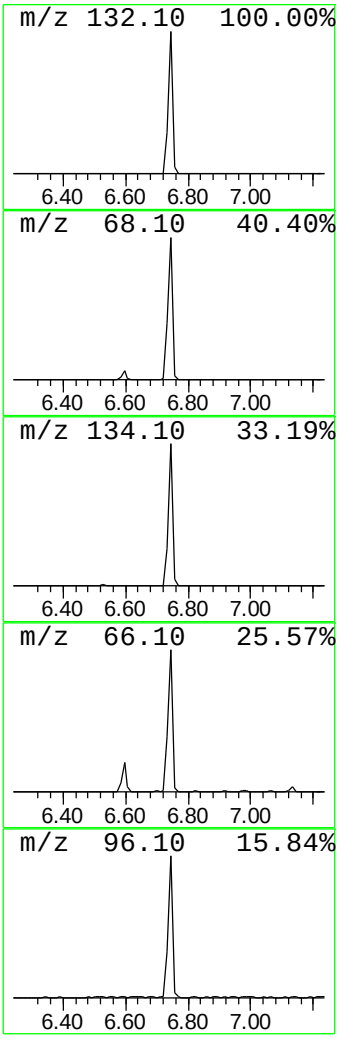
****

Peak Number 7 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	71.12 ng	3180640	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





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Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

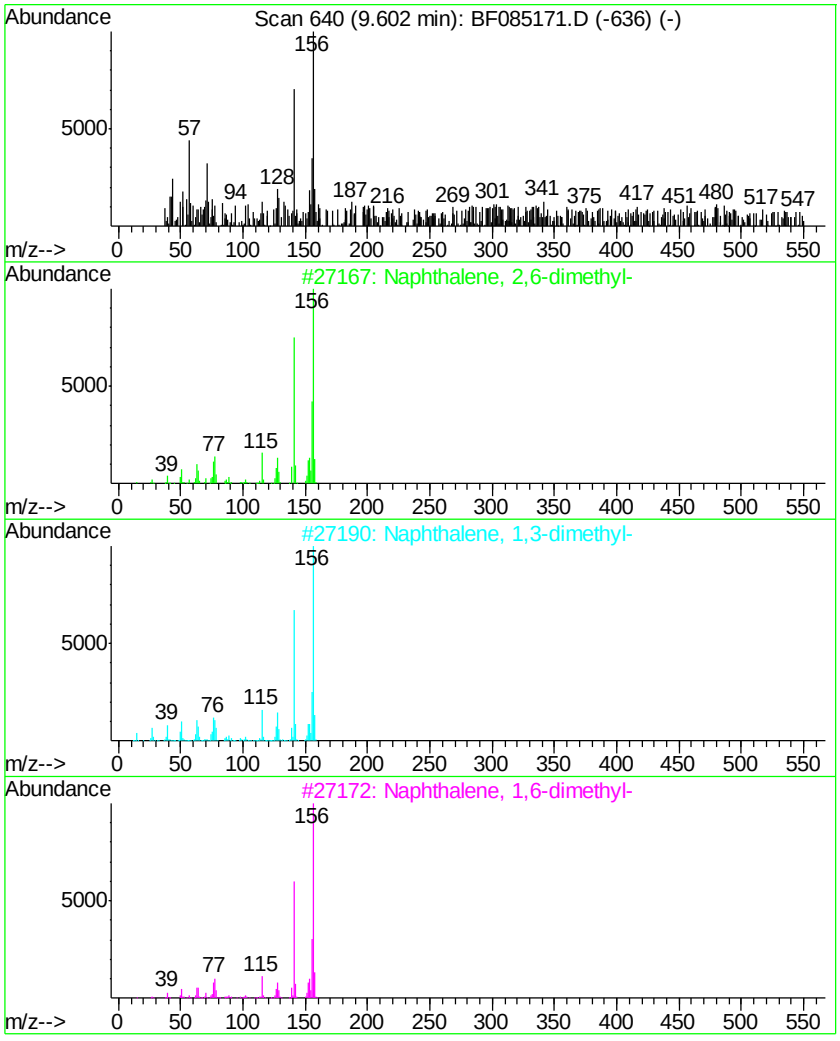
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

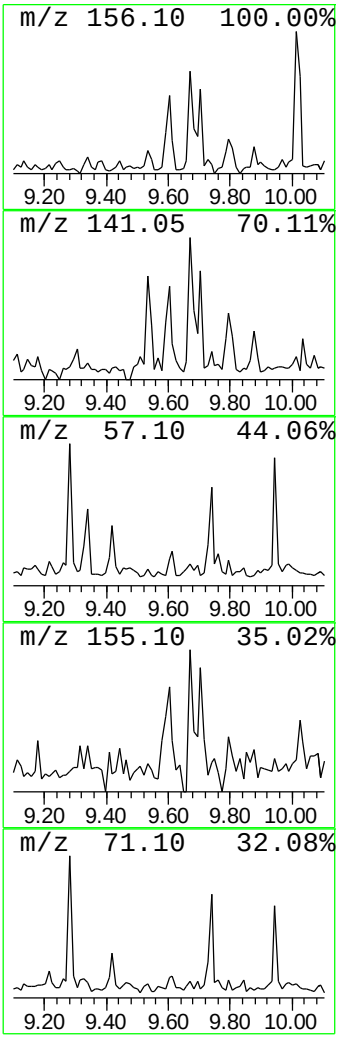
****

Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	4.87 ng	331937	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	50
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	50
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	50
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	45
5	4,4'-Bipyridine	156	C10H8N2	000553-26-4	45





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ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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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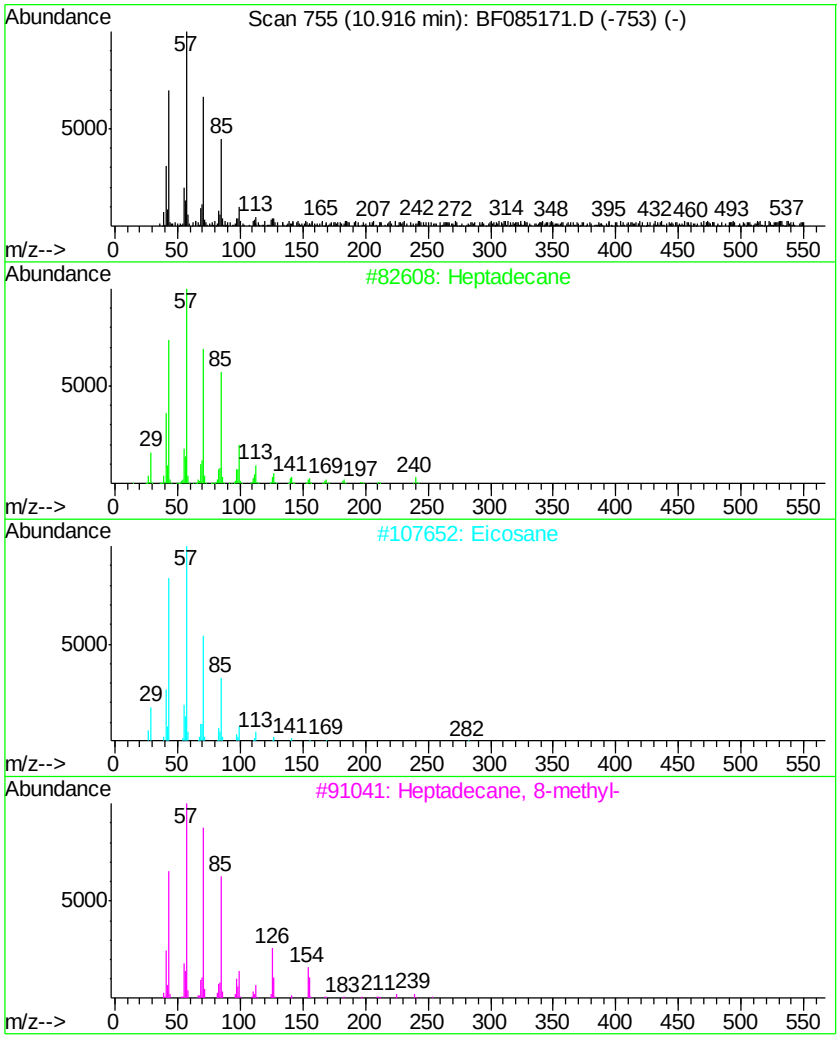
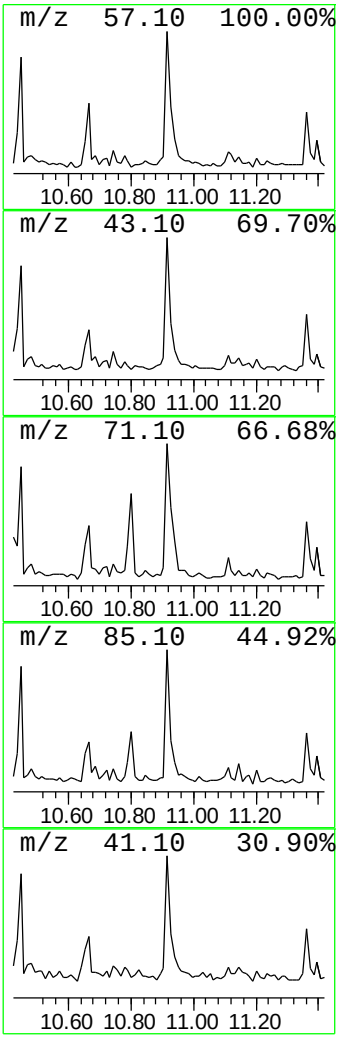
Peak Number 11 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	3.55 ng	240781	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Eicosane	282	C20H42	000112-95-8	90
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	78
4	Octadecane	254	C18H38	000593-45-3	78
5	Tetradecane	198	C14H30	000629-59-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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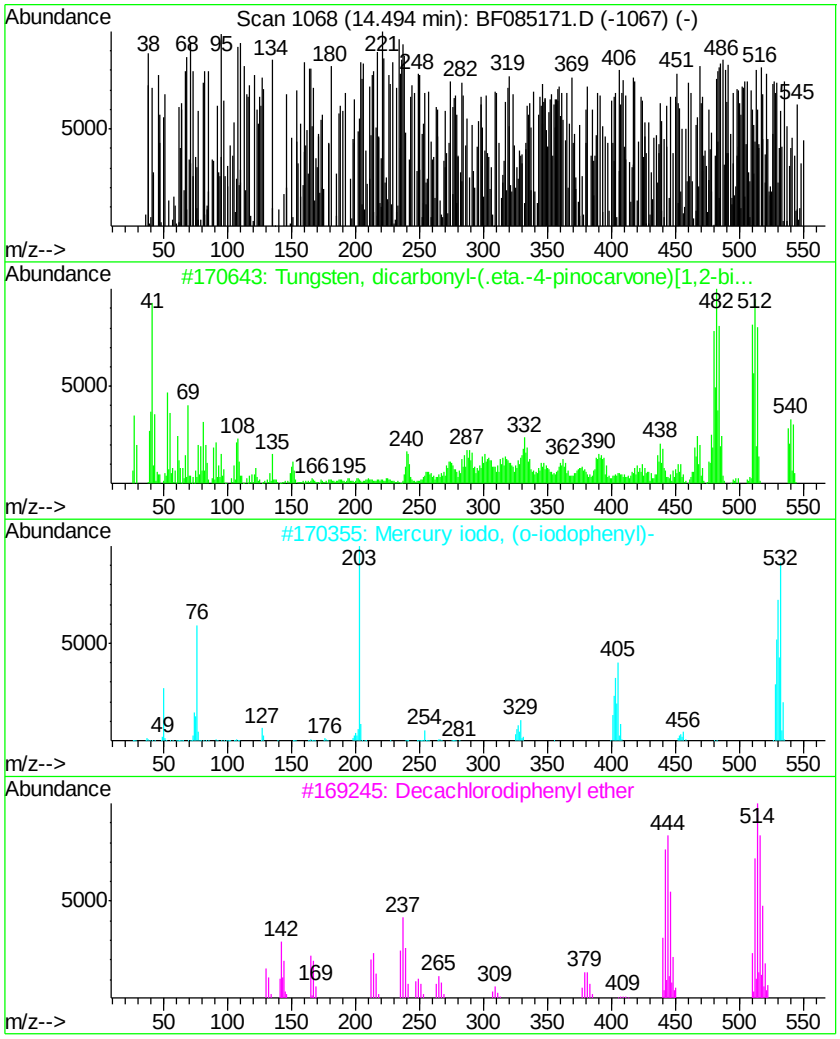
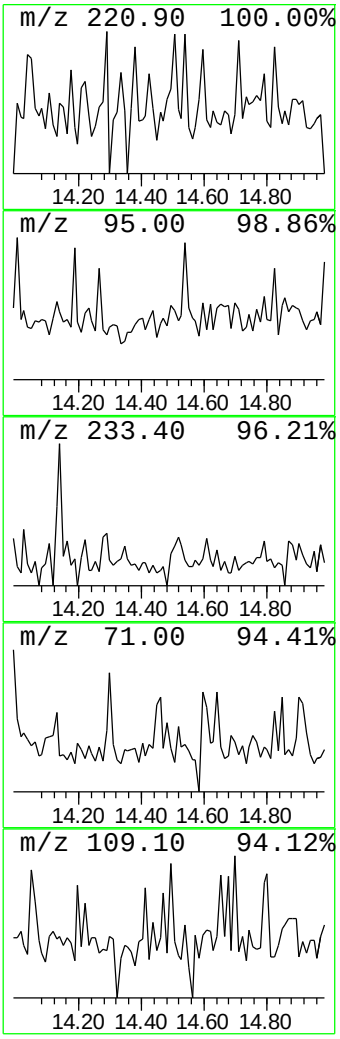
Peak Number 14 unknown14.49 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	3.42 ng	197381	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tungsten, dicarbonyl-(.eta.-4-pi...	540	C18H30O3P2W	1000163-98-7	44
2	Mercury iodo, (o-iodophenyl)-	532	C6H4HgI2	089487-89-8	11
3	Decachlorodiphenyl ether	510	C12Cl10O	031710-30-2	10
4	Ditelluride, di-2-naphthalenyl	514	C20H14Te2	001666-12-2	9
5	Ditelluride, di-1-naphthalenyl	514	C20H14Te2	032294-58-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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TIC Library : C:\DATABASE\NIST02.L
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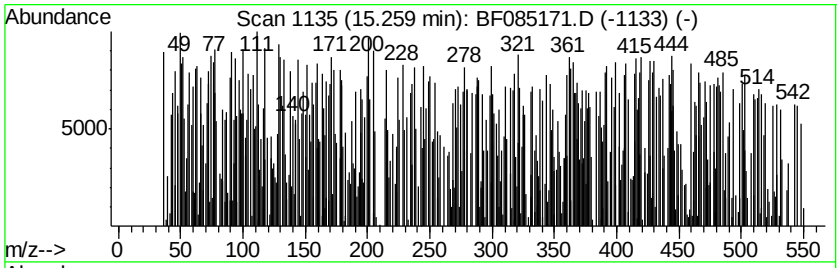
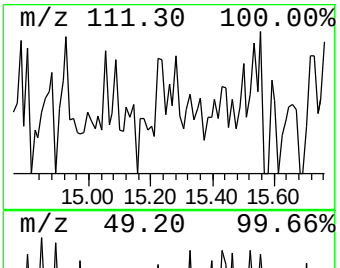
Peak Number 16 4,6-Dibromo-2-benzoxazolinone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	10.07 ng	336100	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6-Dibromo-2-benzoxazolinone	291	C7H3Br2NO2	1000260-92-6	56
2	5-Chloracetyl-iminodibenzyl	271	C16H14ClNO	003534-05-2	30
3	8-Chloroacetamido-6-methoxy-2-me...	264	C13H13ClN2O2	073115-40-9	30
4	8-(4-Chlorophenyl)-2-aza-9-thiab...	293	C13H8ClNO3S	1000281-37-9	30
5	Bromochloroacetaldehyde	156	C2H2BrClO	098136-99-3	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085171.D
Acq On : 3 Mar 2016 22:11
Operator : SJ/UM
Sample : H1663-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-42(23-25)

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.12	3.12	5.5	ng	248377	1	6.97	894489	20.0
unknown5.18	5.18	15.3	ng	682205	1	6.97	894489	20.0
unknown5.77	5.77	7.5	ng	337825	1	6.97	894489	20.0
unknown6.06	6.06	5.6	ng	250144	1	6.97	894489	20.0
unknown6.74	6.74	71.1	ng	3180640	1	6.97	894489	20.0
Naphthalene, 2,6-...	9.60	4.9	ng	331937	3	10.01	1363210	20.0
Heptadecane	10.92	3.5	ng	240781	4	11.50	1354640	20.0
unknown14.49	14.49	3.4	ng	197381	5	14.14	1152940	20.0
4,6-Dibromo-2-ben...	15.26	10.1	ng	336100	6	15.60	667421	20.0