LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101622.D
Acq On : 21 Dec 2017 22:08
Operator : SJ/JU
Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

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-BF121417.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	5.010	493	497	518	rBV	591909	887211	30.94%	3.237%
2	5.422	563	567	594	rBV	2298264	2859101	99.71%	10.432%
3	5.634	600	603	612	rVB2	43413	53385	1.86%	0.195%
4	6.440	736	740	758	rBV	2355127	2867509	100.00%	10.463%
5	6.569	758	762	768	rVV	2751668	2616732	91.25%	9.548%
6	6.616	768	770	777	rVB6	25668	37912	1.32%	0.138%
7	6.793	797	800	810	rBV	853058	845825	29.50%	3.086%
8	6.951	823	827	835	rVB	1819688	1768700	61.68%	6.454%
9	7.222	868	873	877	rVB4	24767	32755	1.14%	0.120%
10	7.363	894	897	911	rVB	1614280	1652883	57.64%	6.031%
11	8.075	1015	1018	1024	rBV	1008243	1010037	35.22%	3.685%
12	8.122	1024	1026	1029	rVV	49274	48659	1.70%	0.178%
13	8.151	1029	1031	1039	rVB8	17933	32043	1.12%	0.117%
14	8.357	1059	1066	1071	rBV5	23188	39802	1.39%	0.145%
15	8.487	1084	1088	1090	rBV	58315	56111	1.96%	0.205%
16	9.081	1187	1189	1195	rVB	88032	84898	2.96%	0.310%
17	9.151	1197	1201	1209	rVV	2079643	1911007	66.64%	6.973%
18	9.222	1209	1213	1216	rVB3	59973	74698	2.60%	0.273%
19	9.263	1217	1220	1224	rVV5	25769	29464	1.03%	0.108%
20	9.422	1243	1247	1251	rBV6	16730	35390	1.23%	0.129%
21	9.545	1262	1268	1279	rVB2	326113	467178	16.29%	1.705%
22	9.686	1289	1292	1295	rBV4	50413	53221	1.86%	0.194%
23	9.728	1297	1299	1301	rBV	54953	44395	1.55%	0.162%
24	9.792	1307	1310	1311	rBV2	28944	33021	1.15%	0.120%
25	9.833	1313	1317	1325	rVB	936363	938415	32.73%	3.424%
26	9.981	1338	1342	1344	rBV3	26628	37802	1.32%	0.138%
27	10.075	1355	1358	1361	rBV3	47664	58225	2.03%	0.212%
28	10.151	1367	1371	1374	rBV5	31486	53180	1.85%	0.194%
29	10.186	1374	1377	1381	rVB4	43313	51061	1.78%	0.186%
30	10.228	1381	1384	1385	rBV3	51785	46559	1.62%	0.170%
31	10.245	1385	1387	1390	rVB	52038	42206	1.47%	0.154%
32	10.463	1419	1424	1427	rBV	157685	174584	6.09%	0.637%
33	10.628	1448	1452	1459	rBV	949762	1009002	35.19%	3.682%
34	10.733	1465	1470	1477	rVB	311778	391048	13.64%	1.427%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101622.D
Acq On : 21 Dec 2017 22:08
Operator : SJ/JU
Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.792	1478	1480	1482	rBV3	30024	29085	1.01%	0.106%
36	11.198	1545	1549	1556	rVB	203320	234953	8.19%	0.857%
37	11.322	1567	1570	1573	rBV	858479	738464	25.75%	2.695%
38	11.410	1582	1585	1587	rBV3	34772	41008	1.43%	0.150%
39	11.545	1605	1608	1611	rBV	75129	83619	2.92%	0.305%
40	11.833	1653	1657	1659	rBV2	61569	97220	3.39%	0.355%
41	12.492	1767	1769	1772	rVB2	71271	60651	2.12%	0.221%
42	12.539	1774	1777	1781	rVV	191076	189189	6.60%	0.690%
43	12.769	1814	1816	1822	rVB	174469	195270	6.81%	0.713%
44	12.874	1831	1834	1836	rBV	101359	113951	3.97%	0.416%
45	12.904	1836	1839	1842	rVB	1331280	1154128	40.25%	4.211%
46	13.674	1967	1970	1972	rBV2	218049	198109	6.91%	0.723%
47	13.704	1972	1975	1979	rVV3	276545	242645	8.46%	0.885%
48	13.774	1985	1987	1993	rVB2	340217	484597	16.90%	1.768%
49	13.857	1998	2001	2004	rVB	702078	589007	20.54%	2.149%
50	13.927	2010	2013	2017	rBV	369784	363869	12.69%	1.328%
51	13.974	2017	2021	2024	rBV	777502	801730	27.96%	2.925%
52	14.404	2092	2094	2097	rBV3	177613	144786	5.05%	0.528%
53	14.492	2106	2109	2115	rVB	627312	642827	22.42%	2.346%
54	15.445	2267	2271	2278	rVB	465479	657053	22.91%	2.397%

Sum of corrected areas: 27406180

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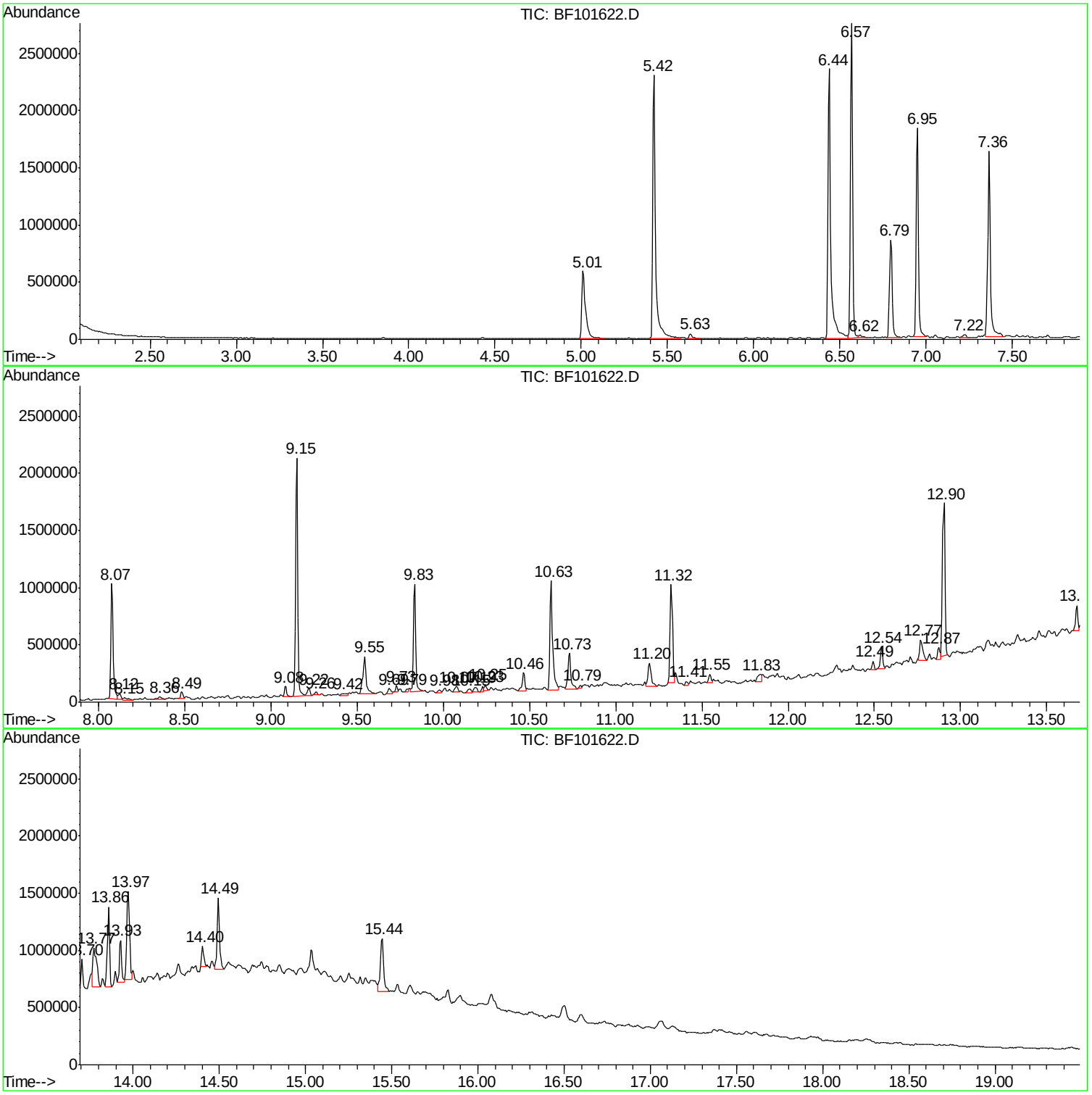
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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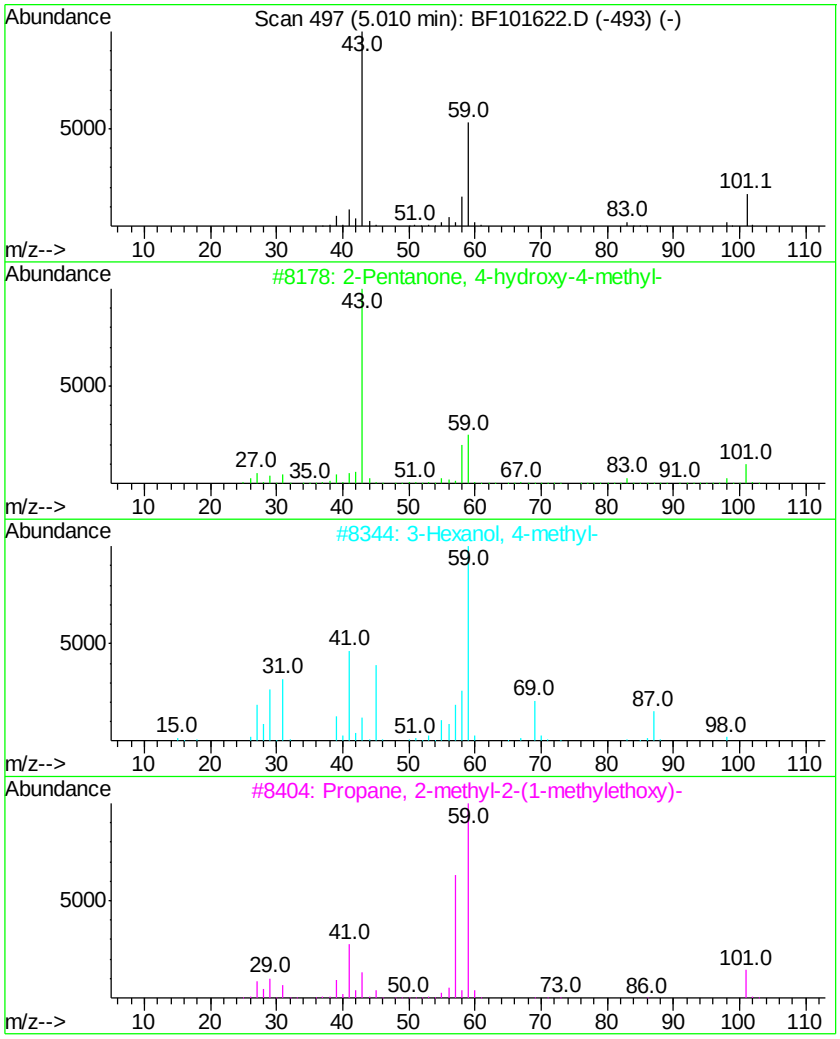
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

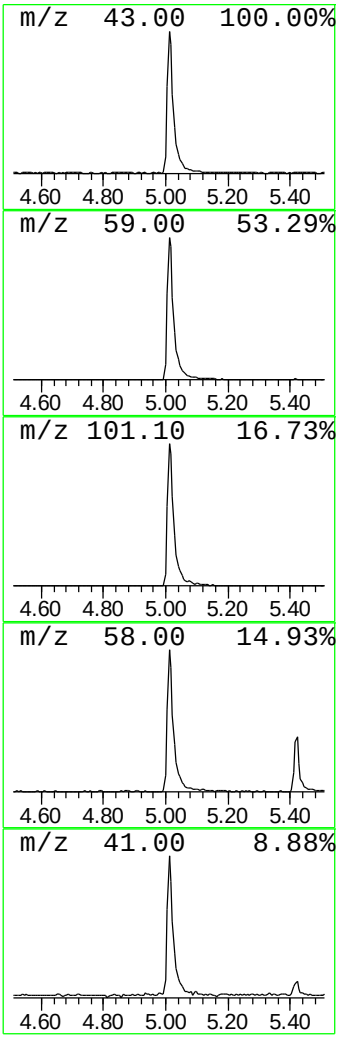
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	20.98 ng	887211	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





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Operator : SJ/JU
Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

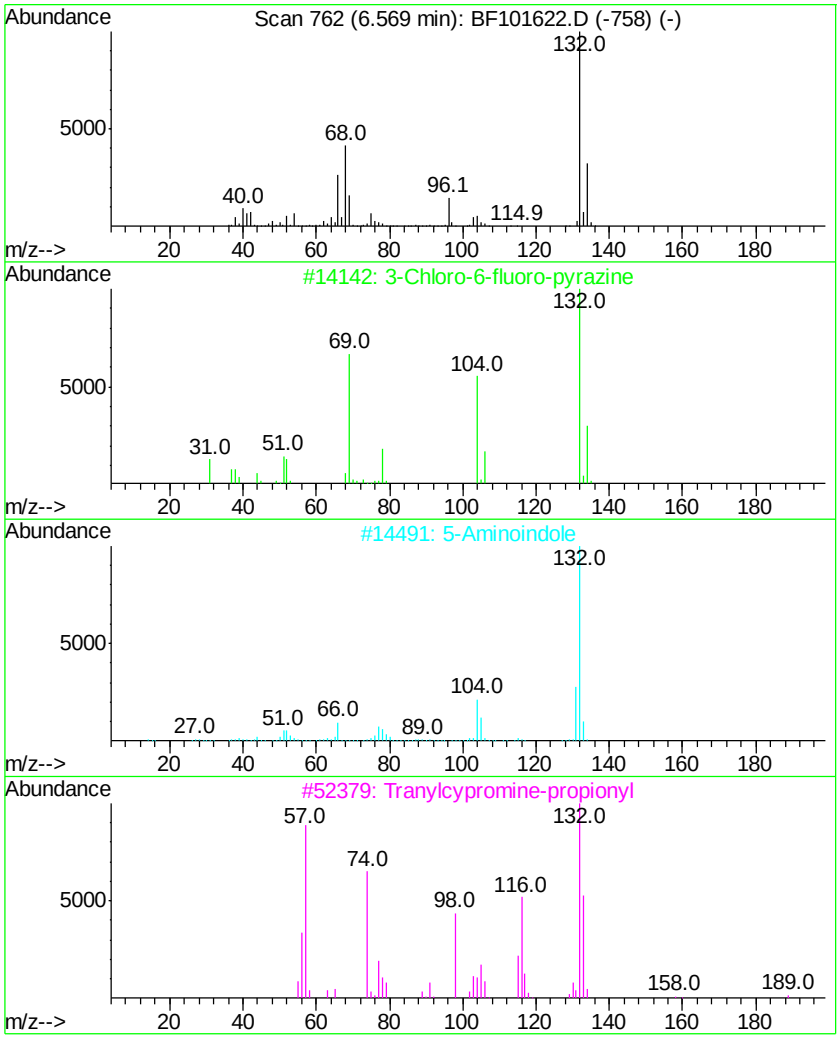
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

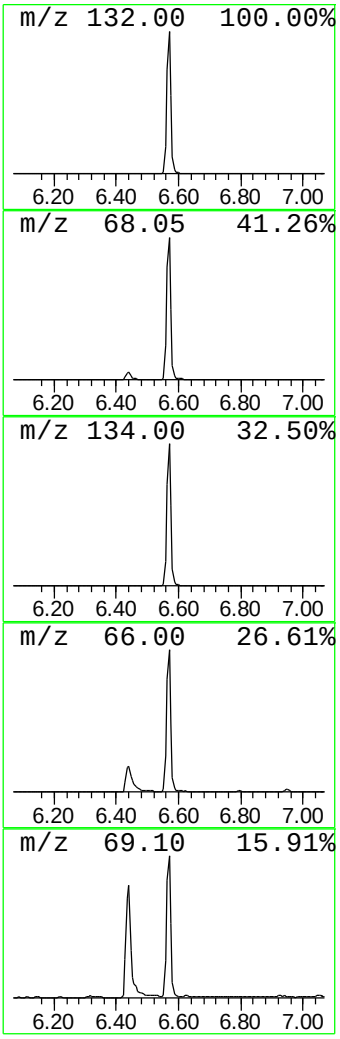
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	61.87 ng	2616730	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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Operator : SJ/JU
Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

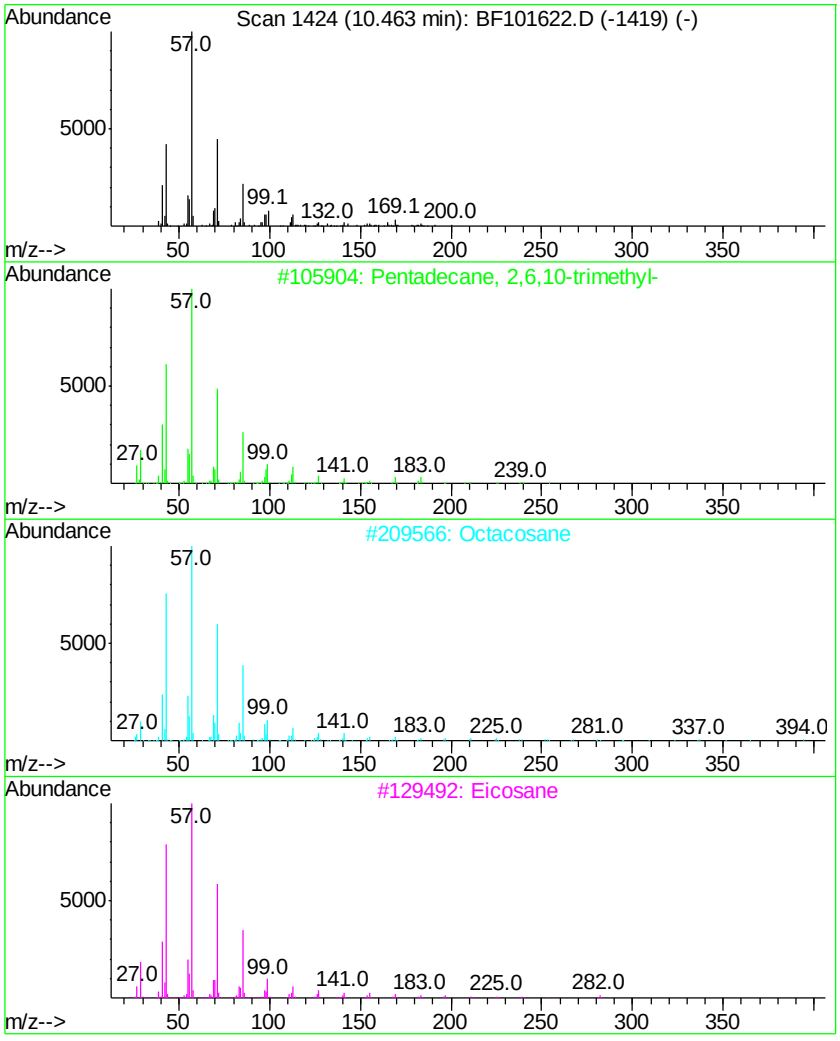
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

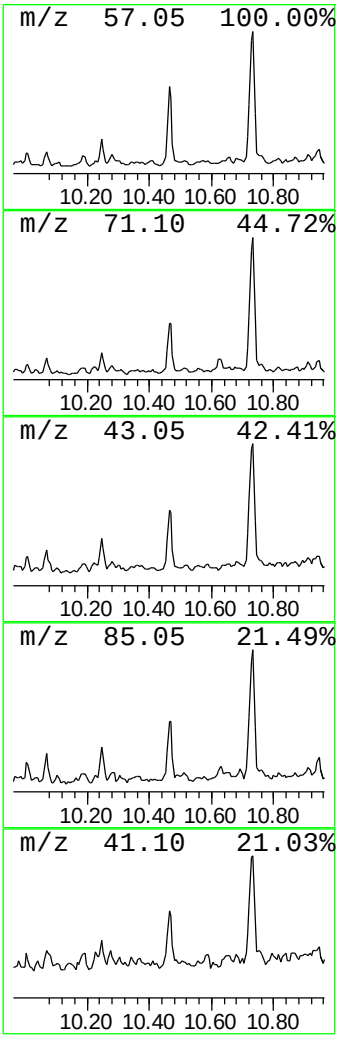
****

Peak Number 4 Pentadecane, 2,6,10-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	3.72 ng	174584	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Octacosane	394	C28H58	000630-02-4	83
3	Eicosane	282	C20H42	000112-95-8	72
4	Pentadecane	212	C15H32	000629-62-9	72
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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Operator : SJ/JU
Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

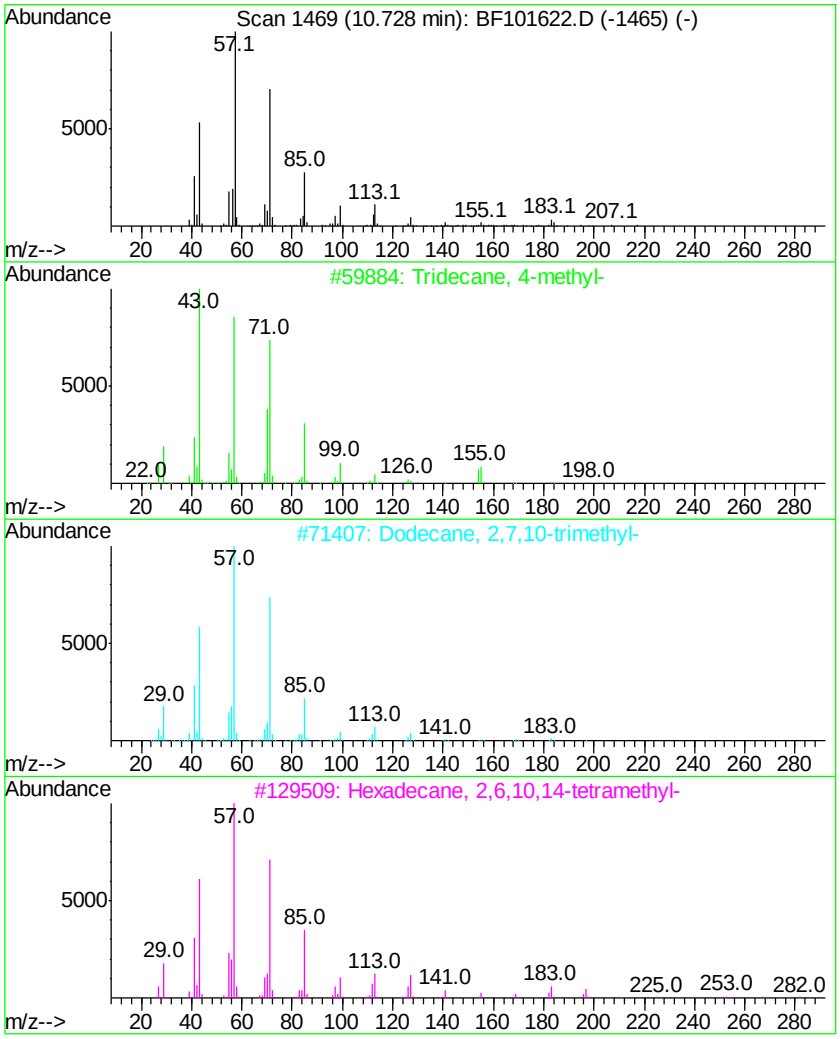
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

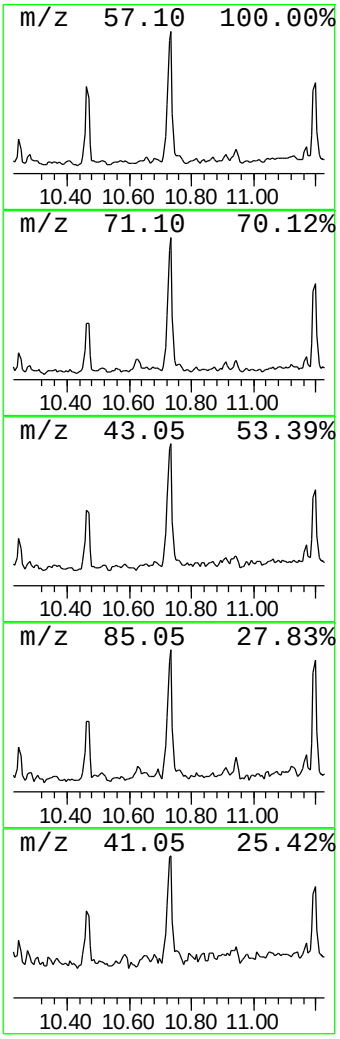
****

Peak Number 5 Tridecane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	10.59 ng	391048	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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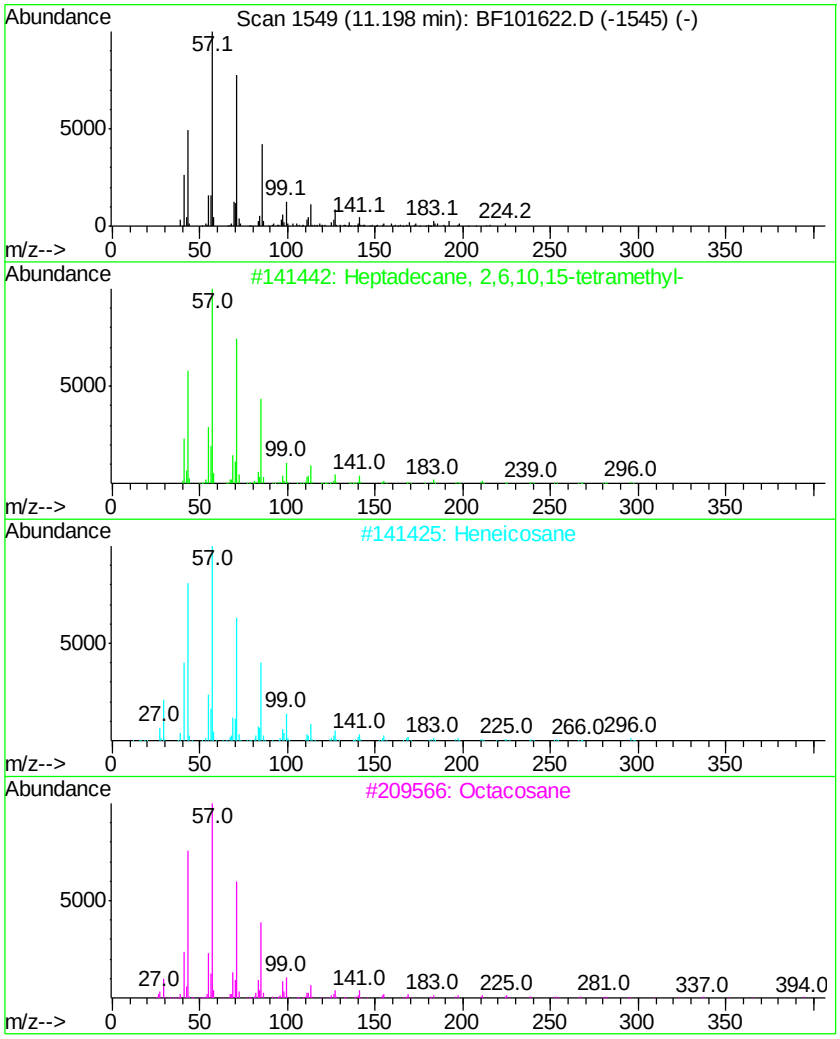
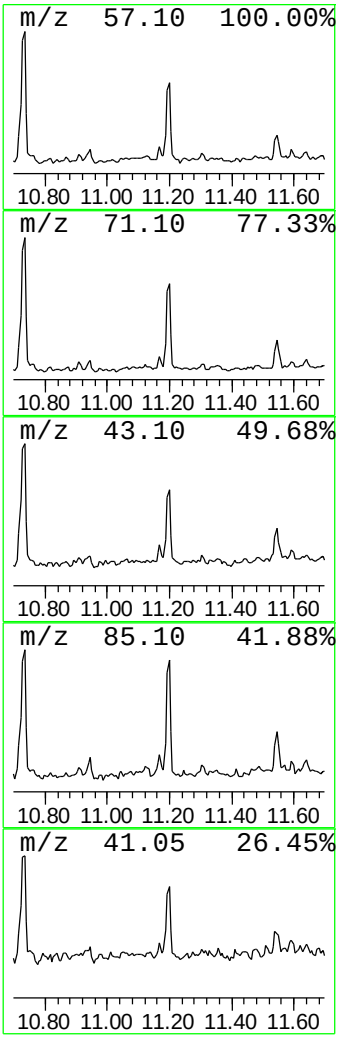
****

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	6.36 ng	234953	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octacosane	394	C28H58	000630-02-4	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5	Eicosane	282	C20H42	000112-95-8	90





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Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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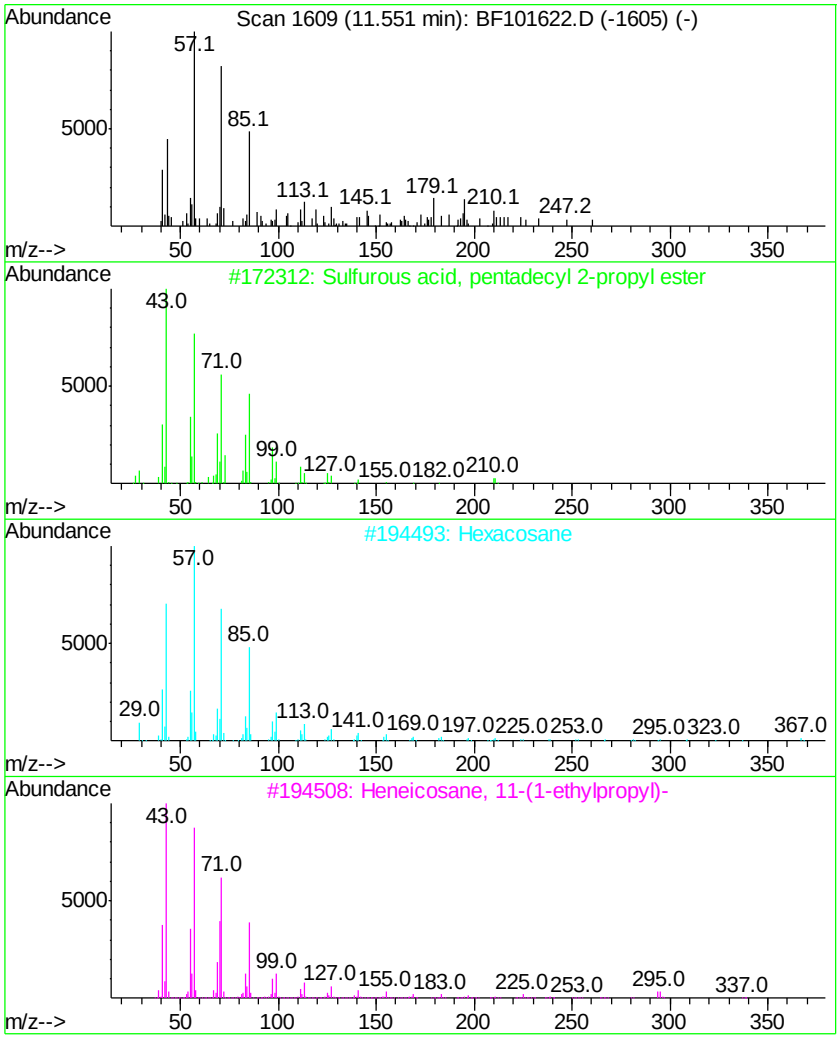
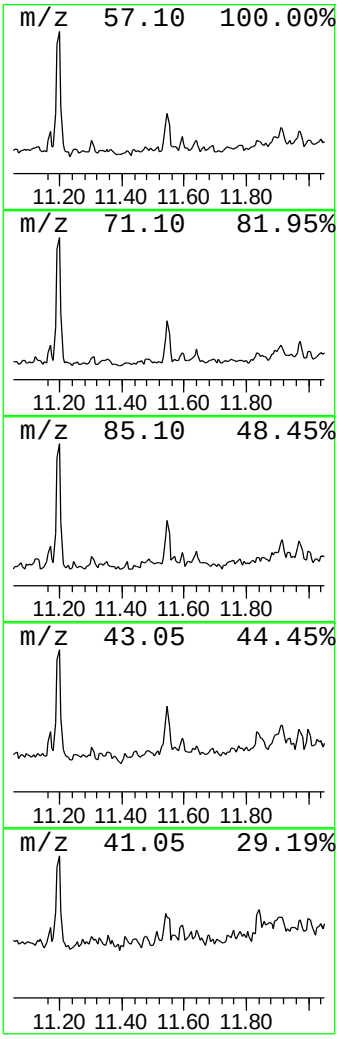
Peak Number 7 Sulfurous acid, pentadecyl ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	2.26 ng	83619	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	86
2	Hexacosane	366	C26H54	000630-01-3	86
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	78
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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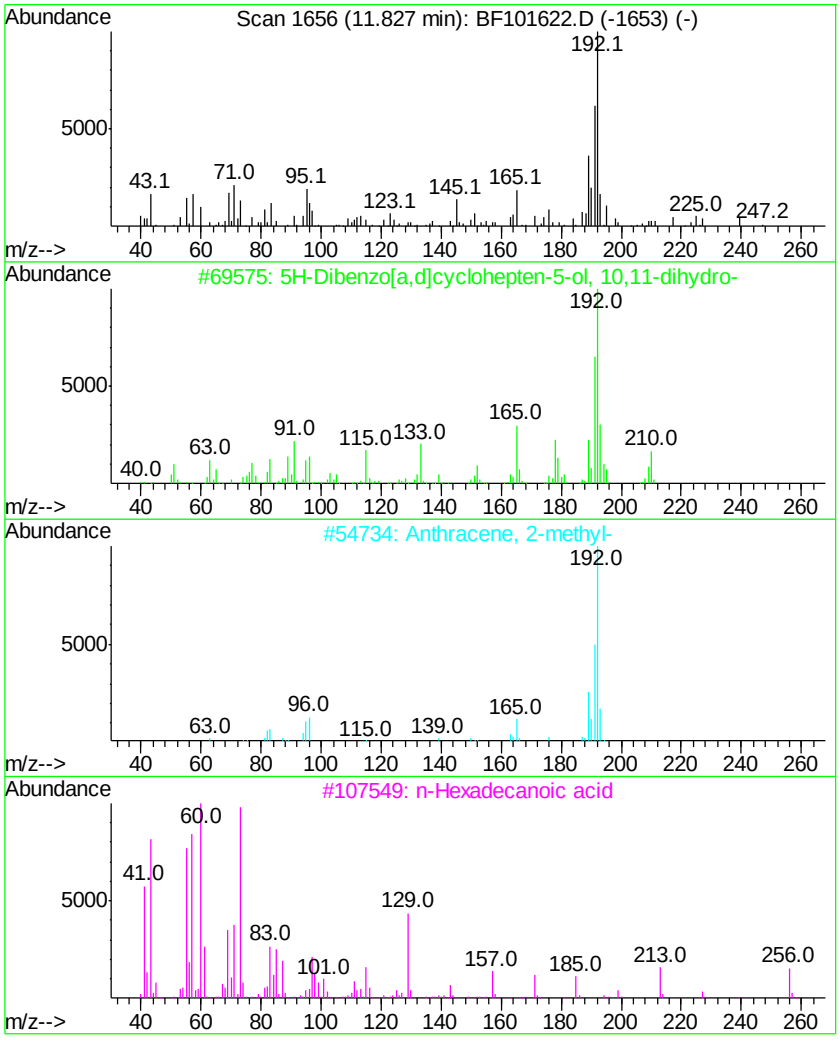
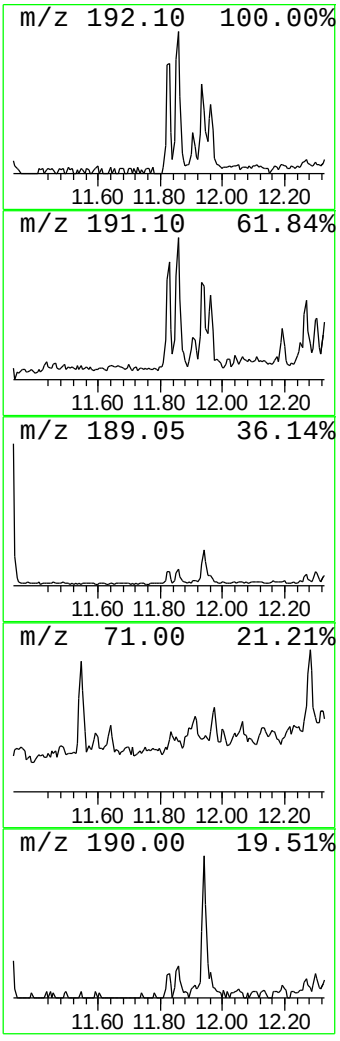
Peak Number 8 5H-Dibenzo[a,d]cyclohepten-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.63 ng	97220	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cyclohepten-5-ol,...	210	C15H14O	001210-34-0	83
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	43
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	43
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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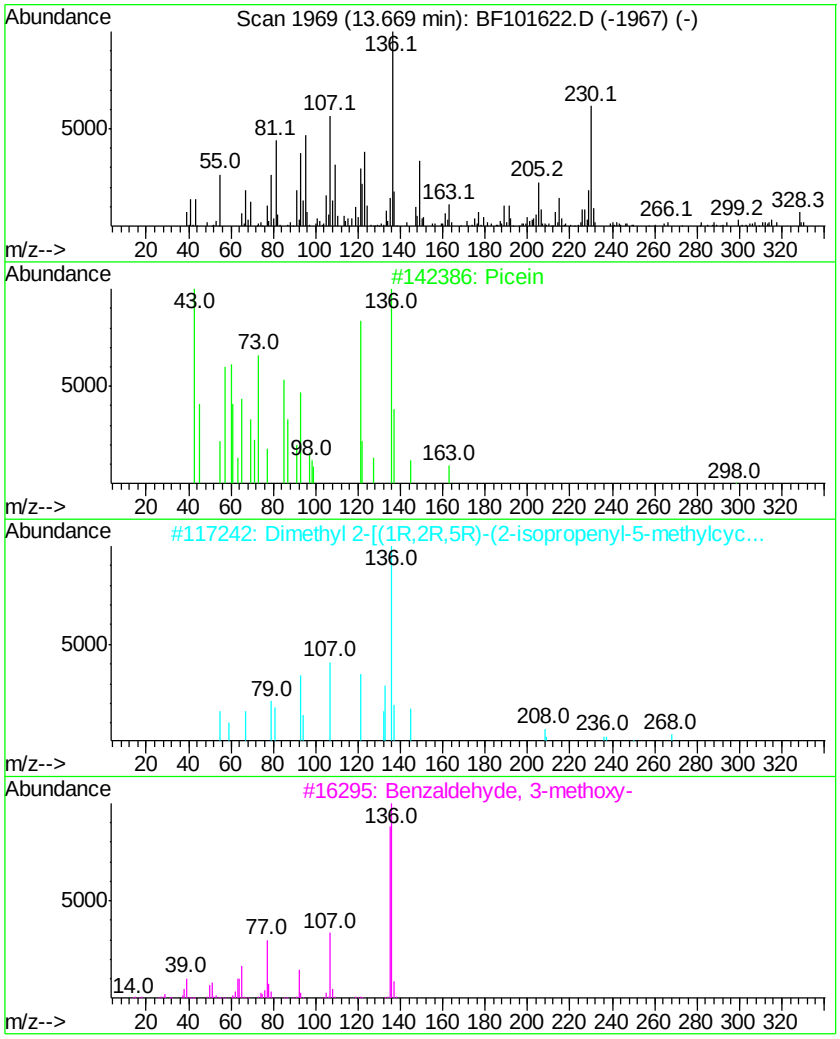
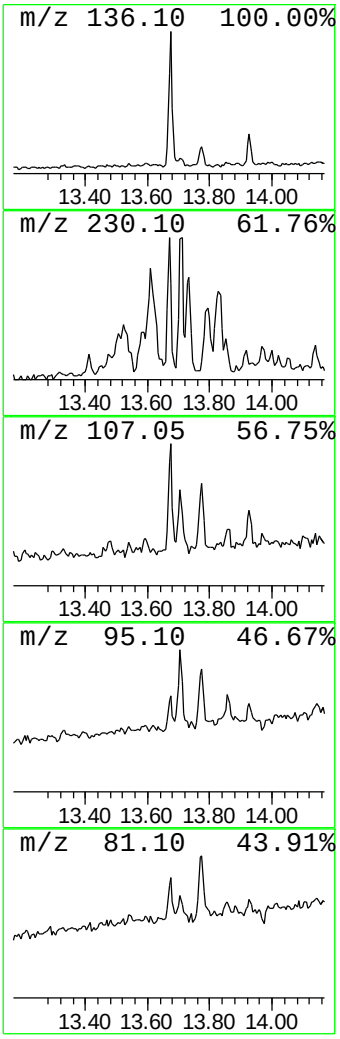
Peak Number 9 Picein Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	4.94 ng	198109	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picein	298	C14H18O7	000530-14-3	93
2	Dimethyl 2-[(1R,2R,5R)-(2-isopro...	268	C15H24O4	140462-25-5	27
3	Benzaldehyde, 3-methoxy-	136	C8H8O2	000591-31-1	27
4	[1,2,4]Triazolo[1,5-a]pyrimidin-...	193	C8H11N5O	1000362-66-7	22
5	o-Methoxy-.alpha.-phenethylamine	151	C9H13NO	1000334-51-1	22





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Data File : BF101622.D
Acq On : 21 Dec 2017 22:08
Operator : SJ/JU
Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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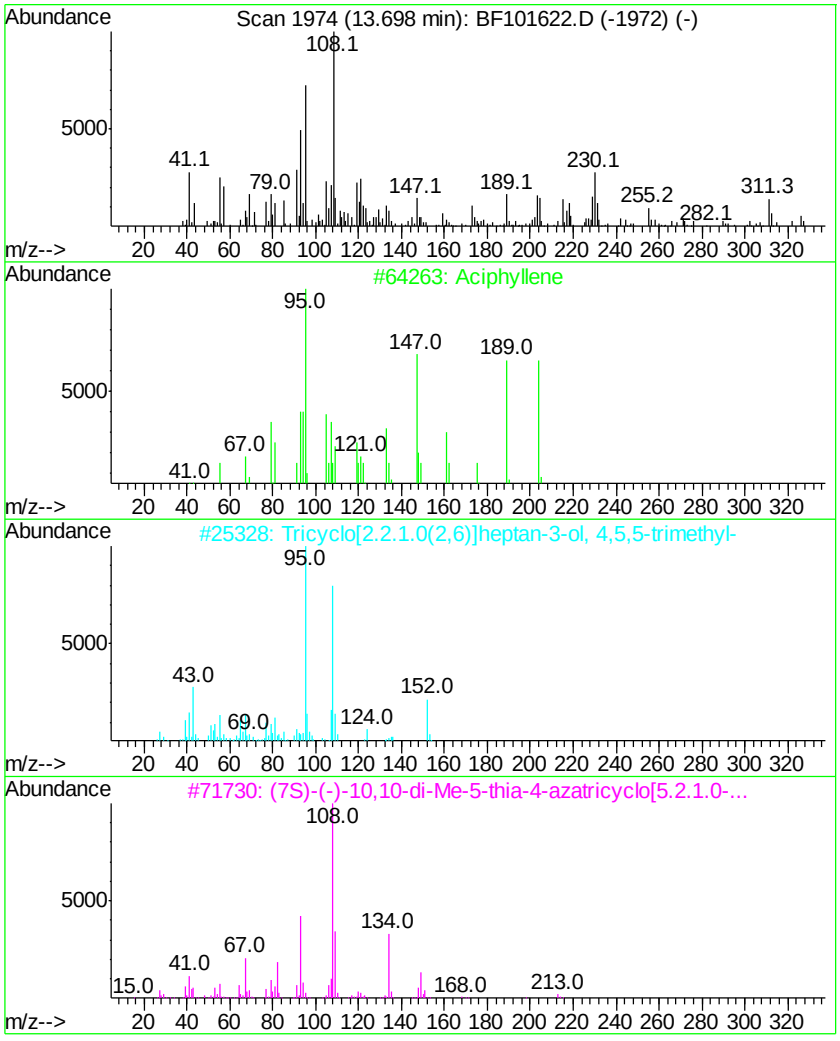
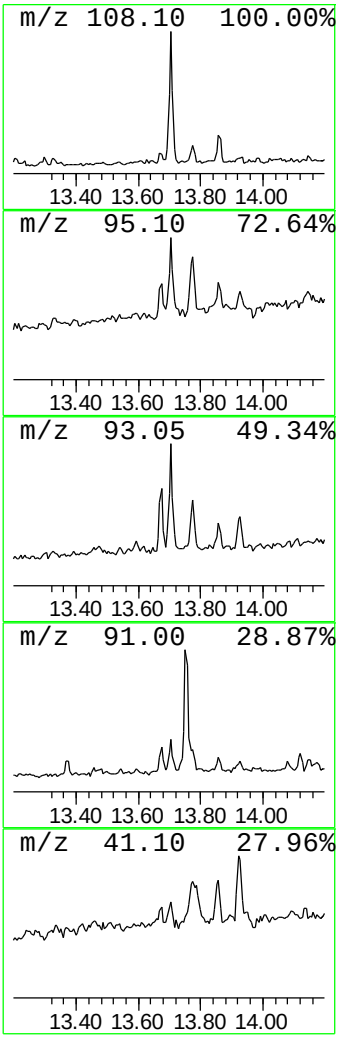
Peak Number 10 unknown13.70 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	6.05 ng	242645	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aciphyllene	204	C15H24	087745-31-1	42
2	Tricyclo[2.2.1.0(2,6)]heptan-3-o...	152	C10H16O	062560-53-6	38
3	(7S)-(-)-10,10-di-Me-5-thia-4-az...	213	C10H15NO2S	060886-80-8	27
4	4,7-Methanobenzofuran, 2,2'-oxyb...	374	C24H38O3	087248-50-8	27
5	4-Bromobutanoic acid, 2-methylph...	256	C11H13BrO2	1000293-67-3	25





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Sample : I6920-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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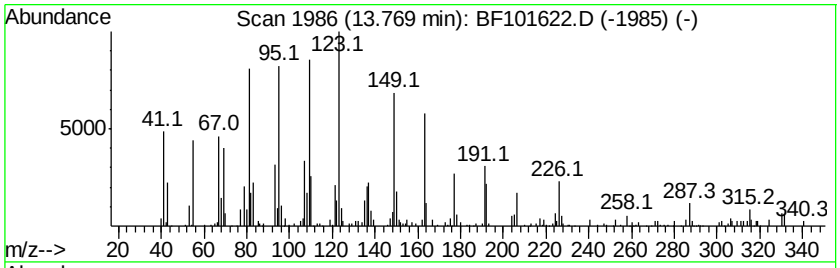
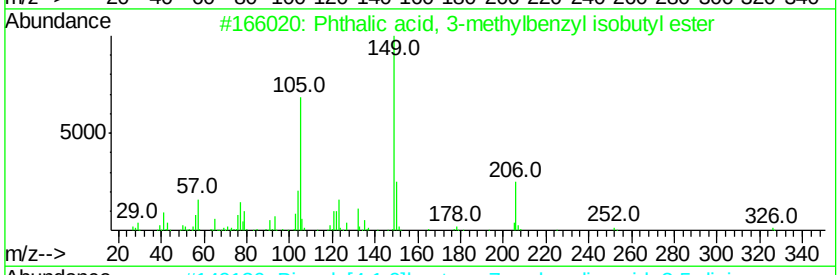
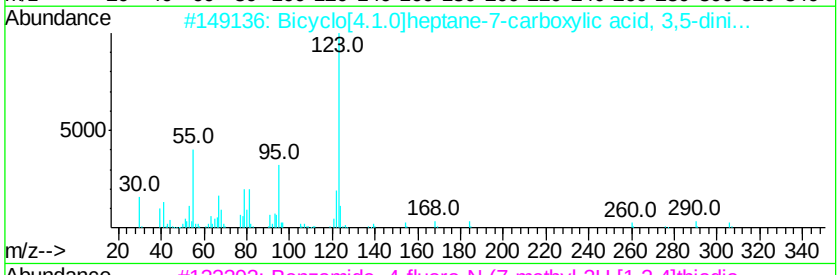
Peak Number 11 unknown13.77 Concentration Rank 6

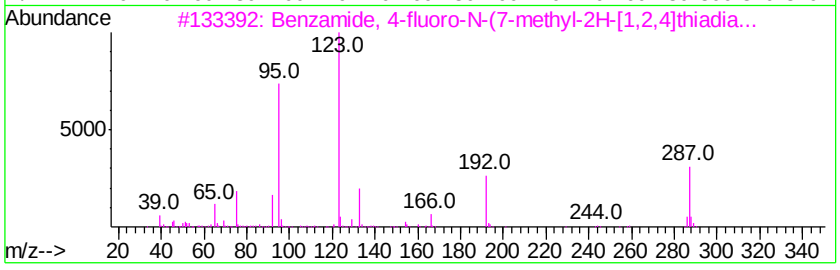
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	12.09 ng	484597	Chrysene-d12	13.97

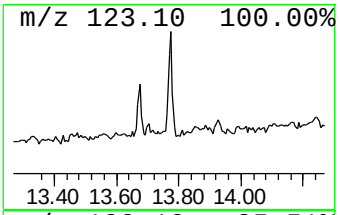
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3-methylbenzyl is...	326	C20H22O4	1000371-10-7	25
2	Bicyclo[4.1.0]heptane-7-carboxyl...	306	C14H14N2O6	1000311-95-8	25
3	Benzamide, 4-fluoro-N-(7-methyl-...	287	C14H10FN3OS	1000350-88-7	25
4	Phthalic acid, butyl 3-fluoroben...	330	C19H19FO4	1000377-88-9	22
5	4-[(Bicyclo[4.1.0]heptane-7-carb...	287	C17H21NO3	1000297-42-7	18

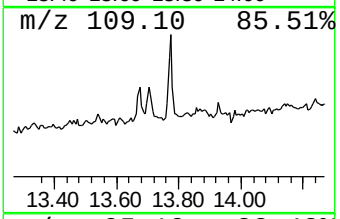


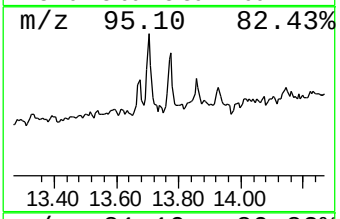


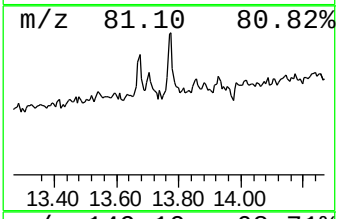


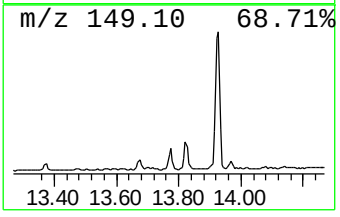












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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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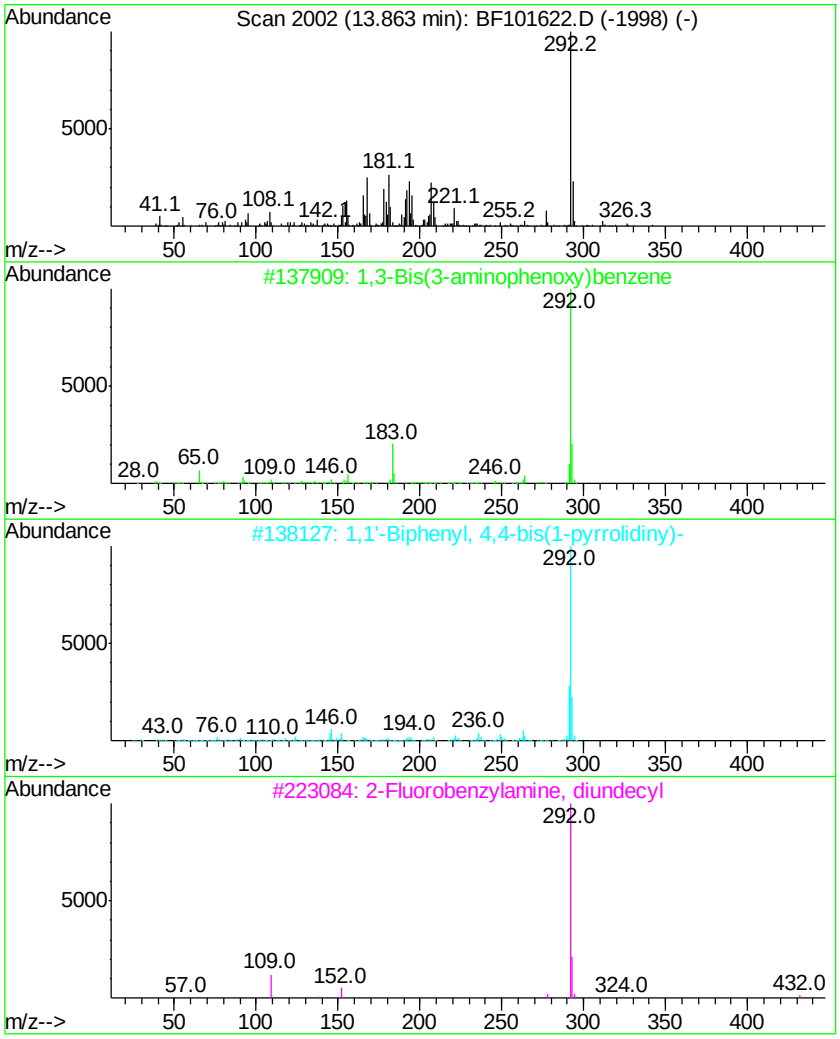
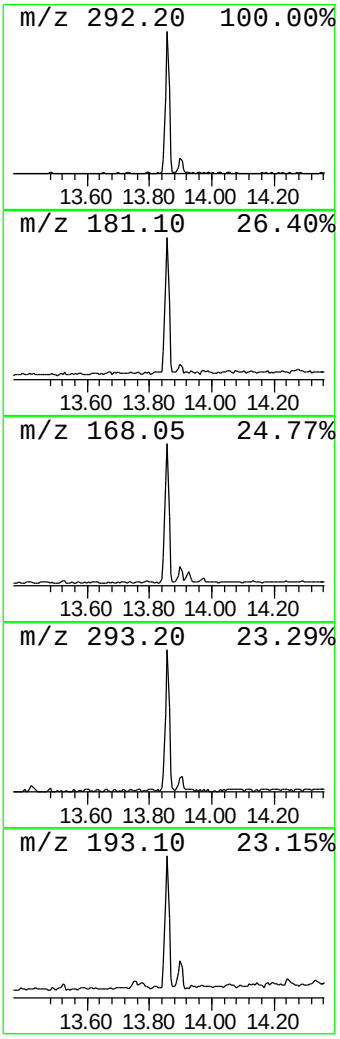
Peak Number 12 unknown13.86 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	14.69 ng	589007	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Bis(3-aminophenoxy)benzene	292	C18H16N2O2	010526-07-5	30
2	1,1'-Biphenyl, 4,4-bis(1-pyrroli...	292	C20H24N2	1000193-54-6	30
3	2-Fluorobenzylamine, diundecyl	433	C29H52FN	1000310-31-9	27
4	Hexanoic acid, 2-hydroxy-2-butyl...	292	C17H28N2O2	006361-96-2	27
5	7H-Cyclopenta[e][1,2,4]triazolo[...	292	C15H12N6O	1000350-92-3	27





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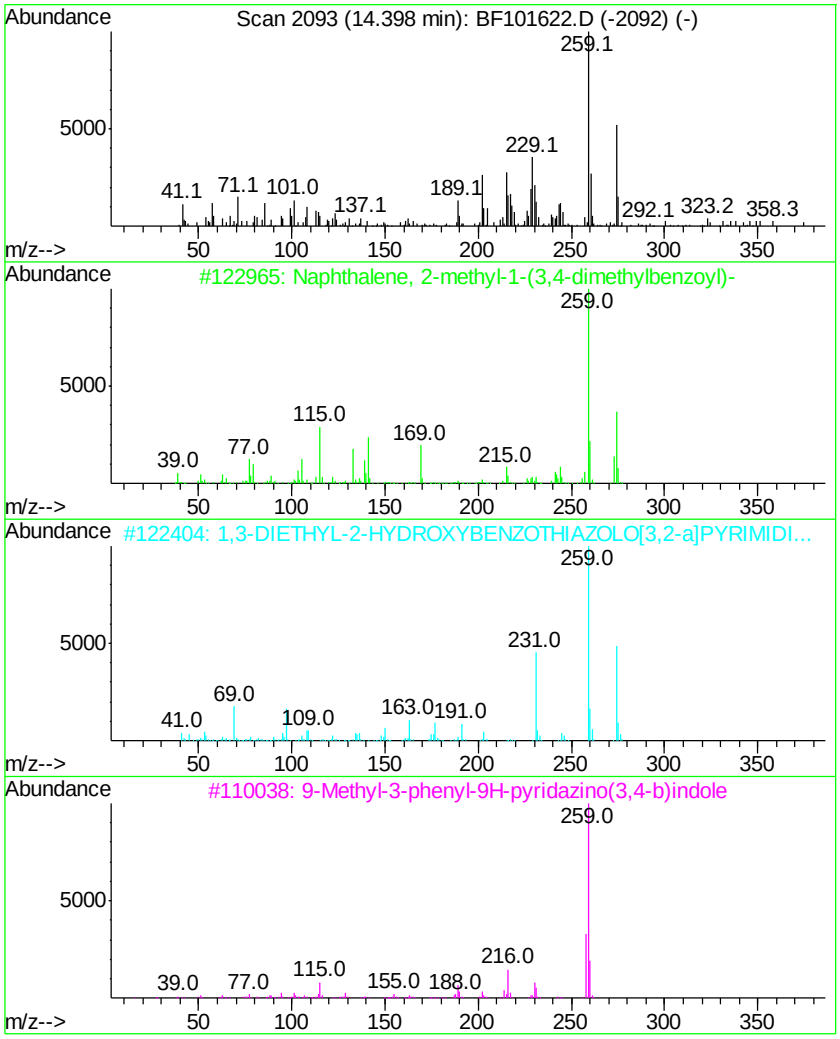
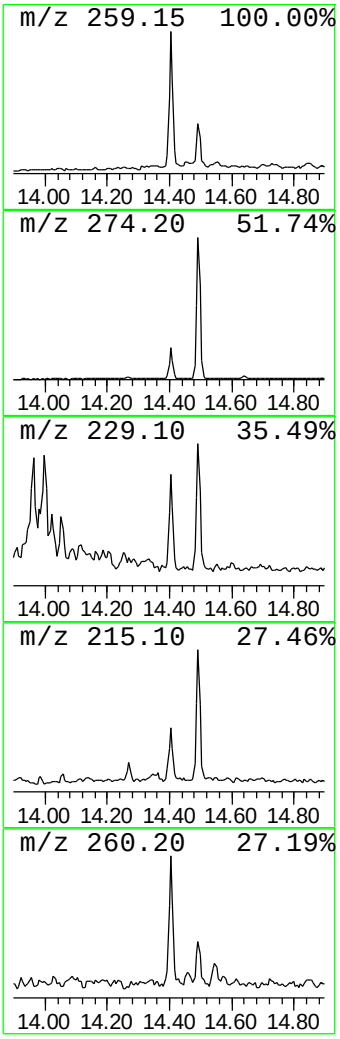
Peak Number 13 Naphthalene, 2-methyl-1-(3,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.61 ng	144786	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-1-(3,4-dim...	274	C20H18O	1000269-03-0	53
2	1,3-DIETHYL-2-HYDROXYBENZOTHIAZO...	274	C14H14N2O2S	1000227-15-3	47
3	9-Methyl-3-phenyl-9H-pyridazino(...	259	C17H13N3	003980-90-3	43
4	Ethanone, 1-[5-(5-trifluoromethy...	274	C11H9F3N2OS	1000266-44-5	43
5	Cobaltocene, 1,2,3,4,5-pentamethyl-	259	C15H20Co	097210-32-7	38





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ALS Vial : 26 Sample Multiplier: 1

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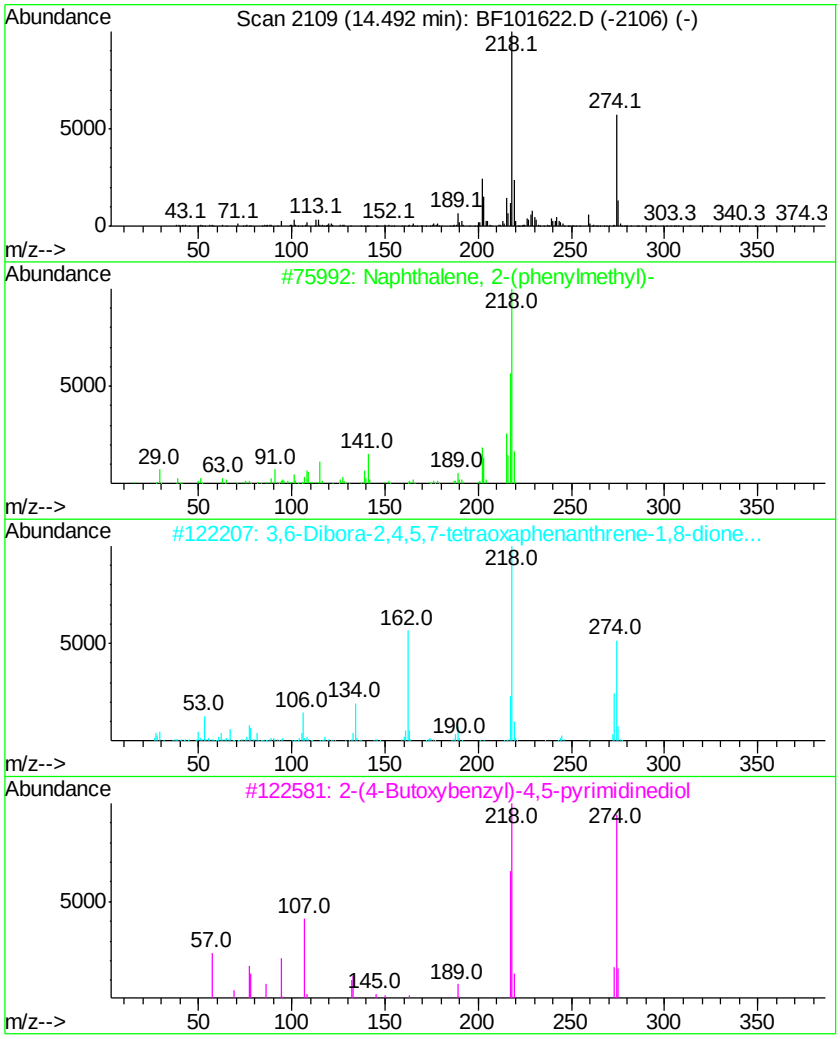
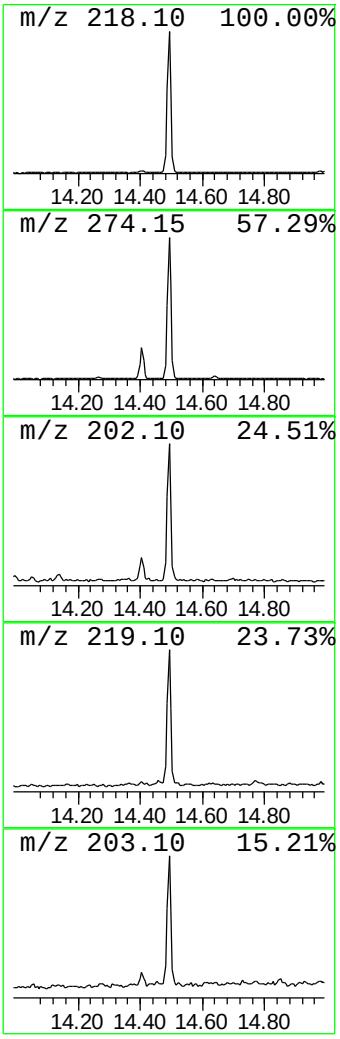
Peak Number 14 Naphthalene, 2-(phenylmethyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	16.04 ng	642827	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	53
2	3,6-Dibora-2,4,5,7-tetraoxaphena...	274	C12H12B2O6	1000159-66-2	52
3	2-(4-Butoxybenzyl)-4,5-pyrimidin...	274	C15H18N2O3	1000327-11-0	50
4	5,6,6',11,12,12'-Hexahydro-6',12...	274	C19H14O2	111977-22-1	50
5	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	47





Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-5C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.01	21.0	ng	887211	1	6.79	845825	20.0
unknown6.57	6.57	61.9	ng	2616730	1	6.79	845825	20.0
Pentadecane, 2,6,...	10.46	3.7	ng	174584	3	9.83	938415	20.0
Tridecane, 4-methyl-	10.73	10.6	ng	391048	4	11.32	738464	20.0
Heptadecane, 2,6,...	11.20	6.4	ng	234953	4	11.32	738464	20.0
Sulfurous acid, p...	11.55	2.3	ng	83619	4	11.32	738464	20.0
5H-Dibenzo[a,d]cy...	11.83	2.6	ng	97220	4	11.32	738464	20.0
Picein	13.67	4.9	ng	198109	5	13.97	801730	20.0
unknown13.70	13.70	6.0	ng	242645	5	13.97	801730	20.0
unknown13.77	13.77	12.1	ng	484597	5	13.97	801730	20.0
unknown13.86	13.86	14.7	ng	589007	5	13.97	801730	20.0
Naphthalene, 2-me...	14.40	3.6	ng	144786	5	13.97	801730	20.0
Naphthalene, 2-(p...	14.49	16.0	ng	642827	5	13.97	801730	20.0