LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

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-BF011415.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	4.801	322	325	334	rBV	131333	268925	4.25%	1.144%
2	7.179	531	533	537	rBV	78417	137094	2.17%	0.583%
3	7.259	537	540	547	rVB	364841	597540	9.44%	2.543%
4	7.762	581	584	589	rVB2	110319	257745	4.07%	1.097%
5	7.990	601	604	609	rVB	136577	232010	3.67%	0.987%
6	8.082	609	612	616	rBV	375373	612344	9.68%	2.606%
7	9.065	695	698	708	rBV	311995	494224	7.81%	2.103%
8	10.676	835	839	842	rBV	142882	231175	3.65%	0.984%
9	12.299	978	981	985	rBV	117073	163611	2.59%	0.696%
10	13.111	1048	1052	1055	rBV	1316302	2037381	32.19%	8.670%
11	13.328	1068	1071	1075	rBV	615595	993189	15.69%	4.226%
12	13.499	1083	1086	1089	rBV	75393	115251	1.82%	0.490%
13	14.802	1195	1200	1203	rBV	1608666	2809136	44.39%	11.954%
14	15.020	1215	1219	1221	rBV	218390	345040	5.45%	1.468%
15	15.797	1284	1287	1290	rVB	120845	192296	3.04%	0.818%
16	16.025	1302	1307	1310	rBV	148267	272608	4.31%	1.160%
17	16.265	1324	1328	1330	rBV3	23909	68352	1.08%	0.291%
18	16.311	1330	1332	1335	rVB	121154	155976	2.46%	0.664%
19	16.517	1347	1350	1353	rBV	433270	553179	8.74%	2.354%
20	16.883	1379	1382	1385	rVB	72216	98433	1.56%	0.419%
21	17.271	1414	1416	1419	rBV	50242	77073	1.22%	0.328%
22	17.637	1445	1448	1451	rBV	178700	318236	5.03%	1.354%
23	17.751	1455	1458	1460	rVV2	47048	88053	1.39%	0.375%
24	18.037	1481	1483	1485	rBV	107520	143183	2.26%	0.609%
25	18.266	1500	1503	1505	rVB	59443	93475	1.48%	0.398%
26	18.631	1533	1535	1538	rBV	222809	291346	4.60%	1.240%
27	18.997	1562	1567	1570	rBV	81438	154132	2.44%	0.656%
28	19.123	1576	1578	1581	rBV2	154605	246959	3.90%	1.051%
29	19.226	1583	1587	1593	rVV	2778603	6328653	100.00%	26.931%
30	19.317	1593	1595	1596	rVV	66675	102610	1.62%	0.437%
31	19.351	1596	1598	1601	rVV	843760	908169	14.35%	3.865%
32	19.420	1601	1604	1605	rVV	54913	92212	1.46%	0.392%
33	19.454	1605	1607	1609	rVV	52652	76833	1.21%	0.327%
34	19.500	1609	1611	1612	rVV2	76154	112065	1.77%	0.477%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

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-BF011415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.546	1612	1615	1618	rVB	794142	1014677	16.03%	4.318%
36	19.672	1623	1626	1628	rVV	106418	147630	2.33%	0.628%
37	19.717	1628	1630	1634	rVB	157467	203215	3.21%	0.865%
38	19.877	1641	1644	1646	rBV	900723	997280	15.76%	4.244%
39	20.540	1700	1702	1704	rVB	124268	135594	2.14%	0.577%
40	20.826	1724	1727	1729	rVB	184983	236698	3.74%	1.007%
41	20.894	1729	1733	1738	rBV	52386	104681	1.65%	0.445%
42	21.134	1751	1754	1758	rVB	258782	382871	6.05%	1.629%
43	21.375	1771	1775	1778	rVB	122574	231605	3.66%	0.986%
44	21.592	1791	1794	1799	rBV3	39402	79764	1.26%	0.339%
45	22.769	1895	1897	1900	rBV	161089	232053	3.67%	0.987%
46	23.386	1945	1951	1955	rBV5	20673	64600	1.02%	0.275%

Sum of corrected areas: 23499176

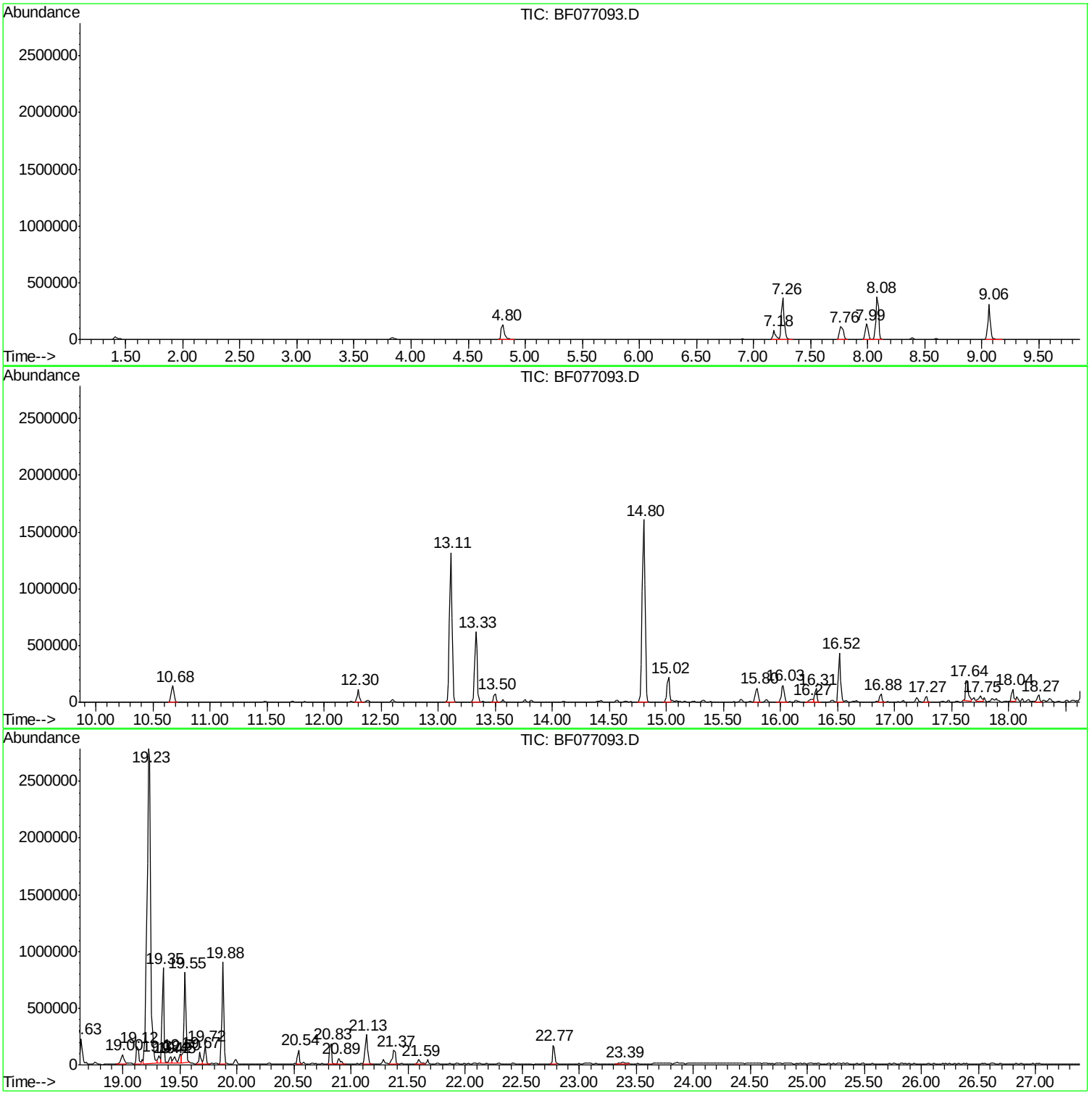
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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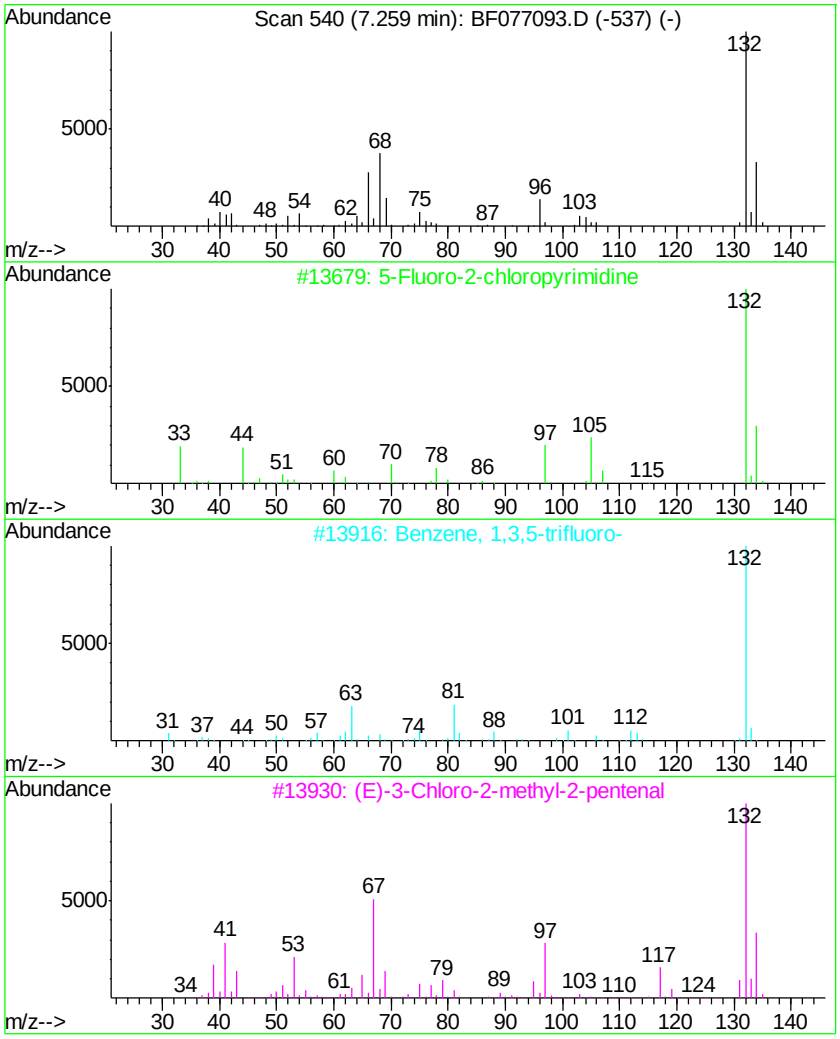
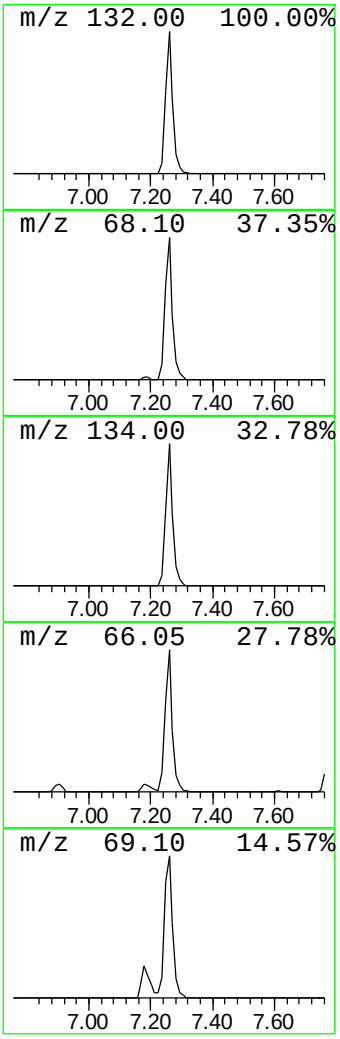
Peak Number 1 unknown7.26 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	46.37 ng	597540	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
2	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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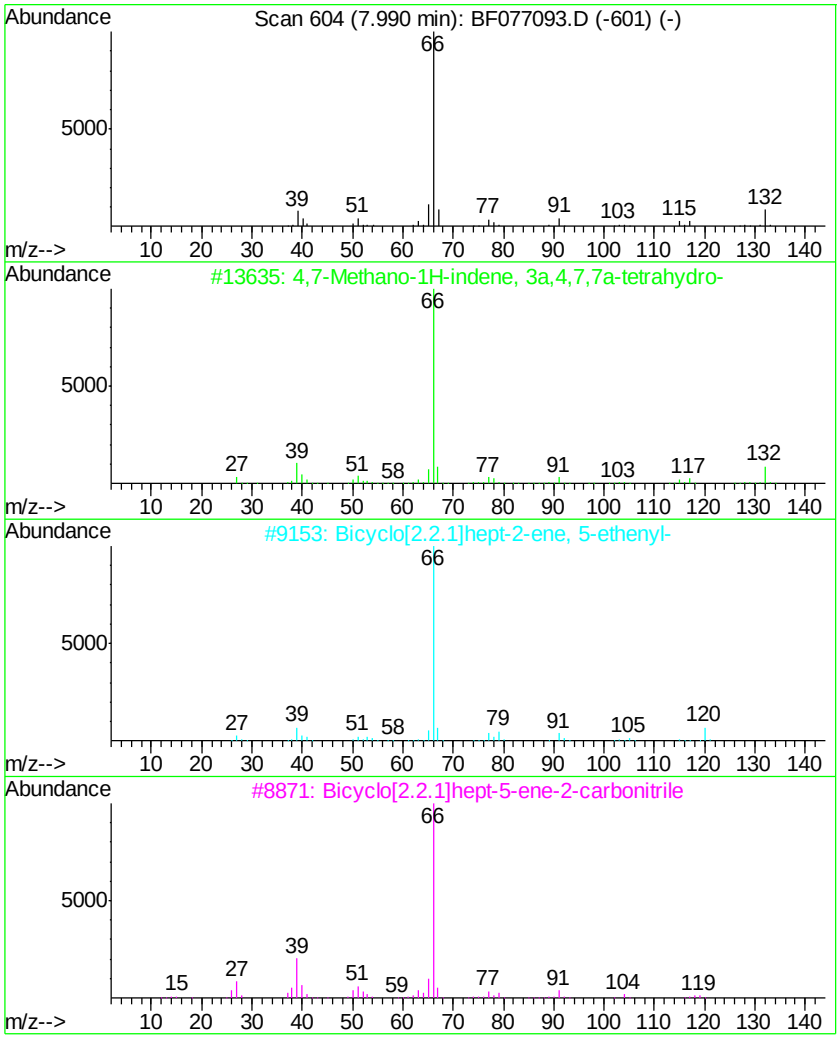
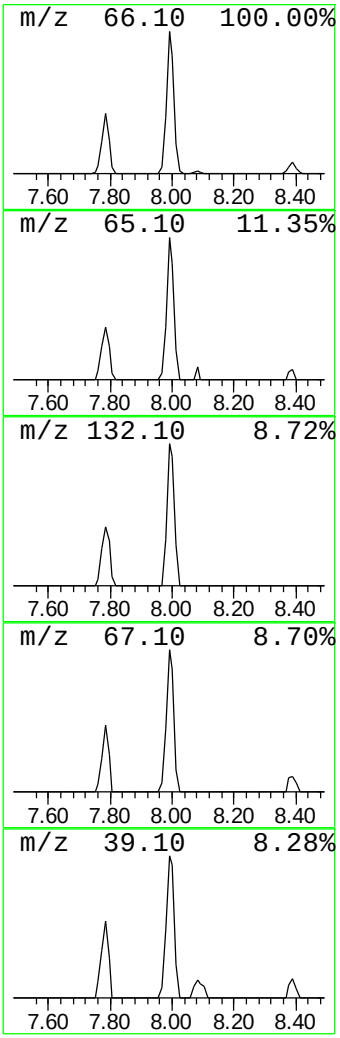
Peak Number 2 4,7-Methano-1H-indene, 3a,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	18.00 ng	232010	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	91
2	Bicyclo[2.2.1]hept-2-ene, 5-ethe...	120	C9H12	003048-64-4	83
3	Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	83
4	The first isomer tricyclopentadiene	198	C15H18	1000222-21-0	83
5	Propanedinitrile	66	C3H2N2	000109-77-3	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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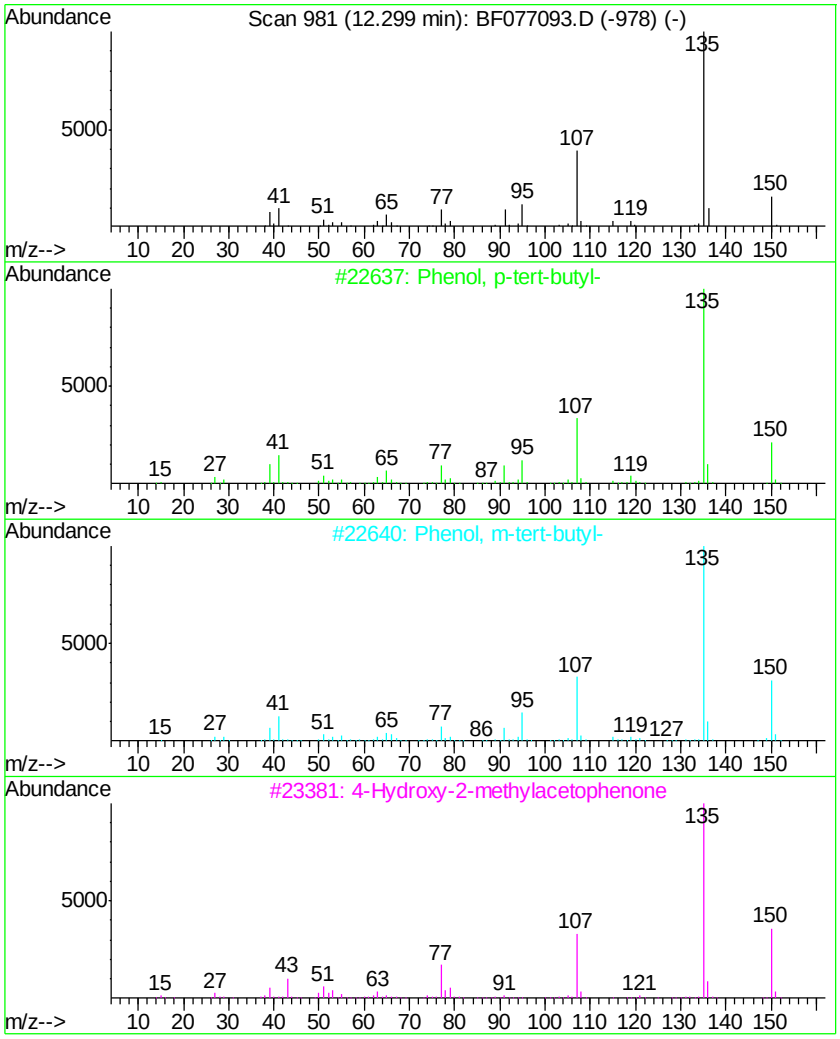
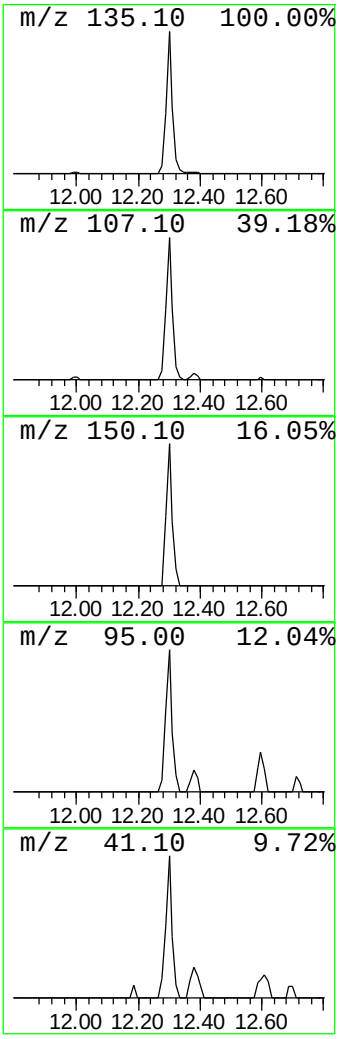
Peak Number 4 Phenol, p-tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	14.15 ng	163611	Naphthalene-d8	10.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	94
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	91
3	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	80
4	Heptafluorobutanoic acid, 1-adam...	362	C15H17F7O2	1000282-96-9	50
5	Ethanone, 1-(3-methoxyphenyl)-	150	C9H10O2	000586-37-8	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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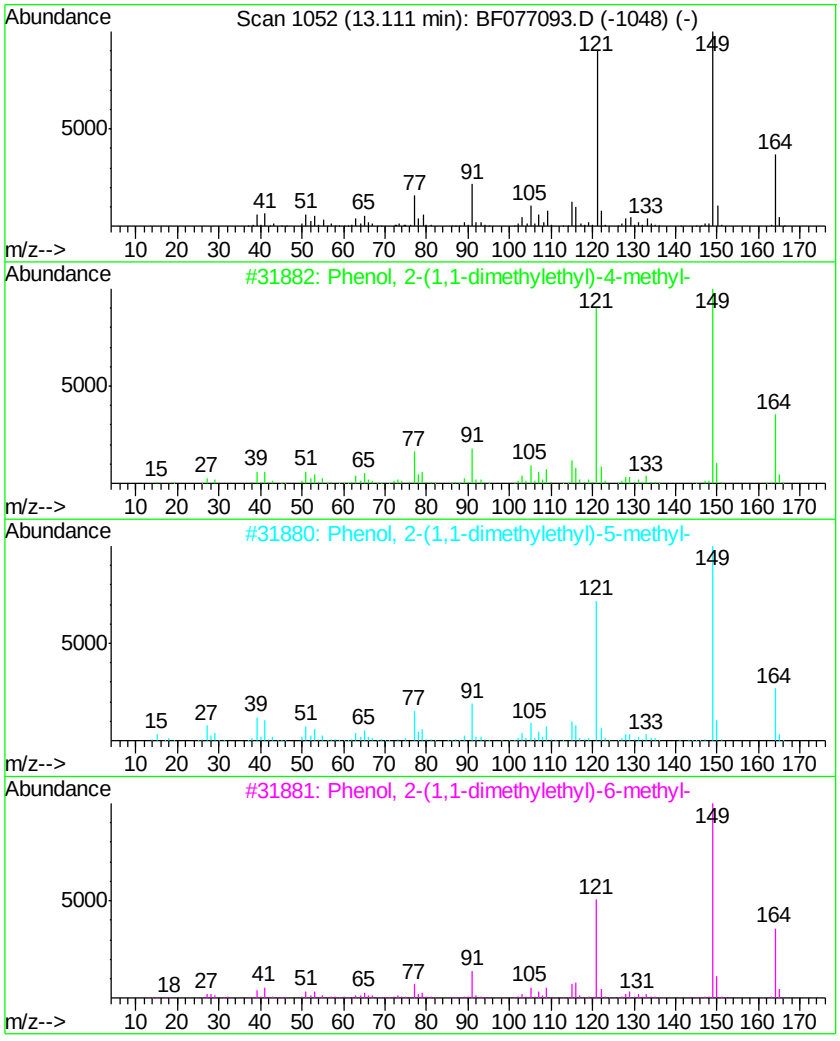
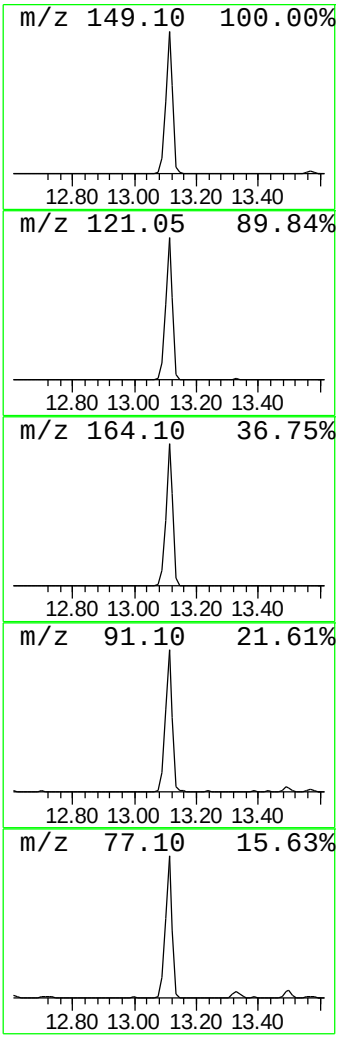
Peak Number 5 Phenol, 2-(1,1-dimethylethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	14.51 ng	2037380	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	97
2	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	96
3	Phenol, 2-(1,1-dimethylethyl)-6-...	164	C11H16O	002219-82-1	91
4	p-Isopropylphenetole	164	C11H16O	004132-79-0	83
5	Phenol, 2-(1,1-dimethylethyl)-3-...	164	C11H16O	013037-79-1	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

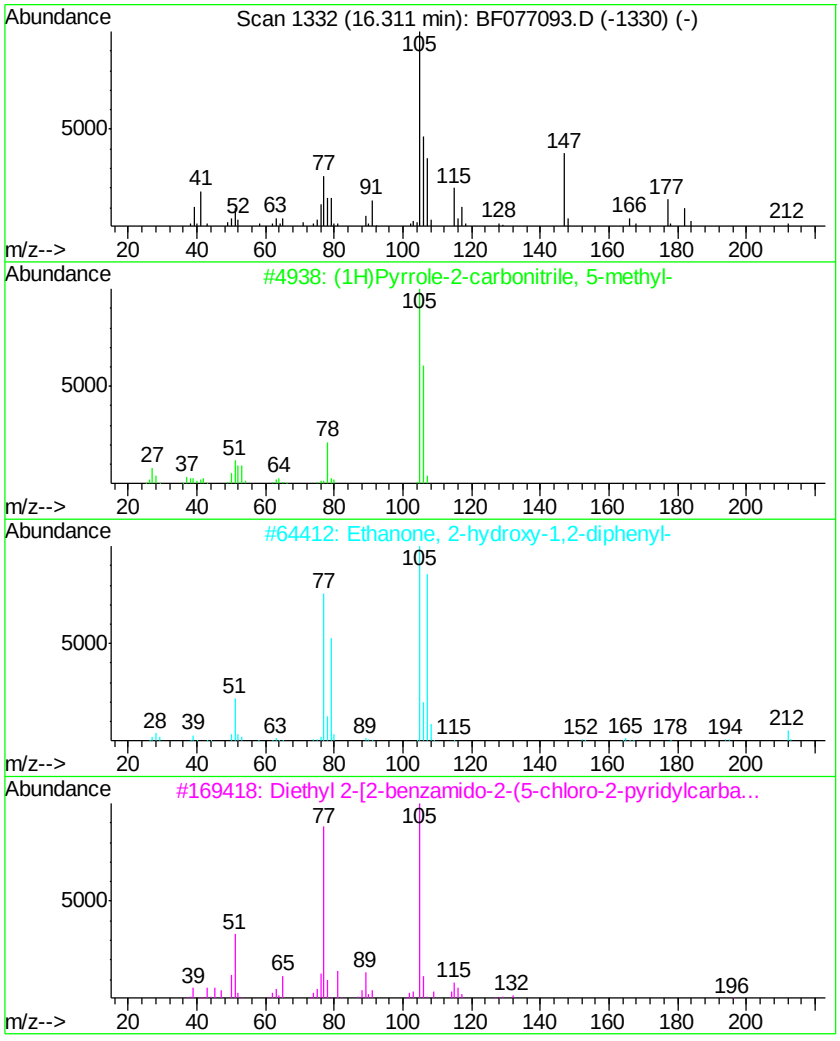
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

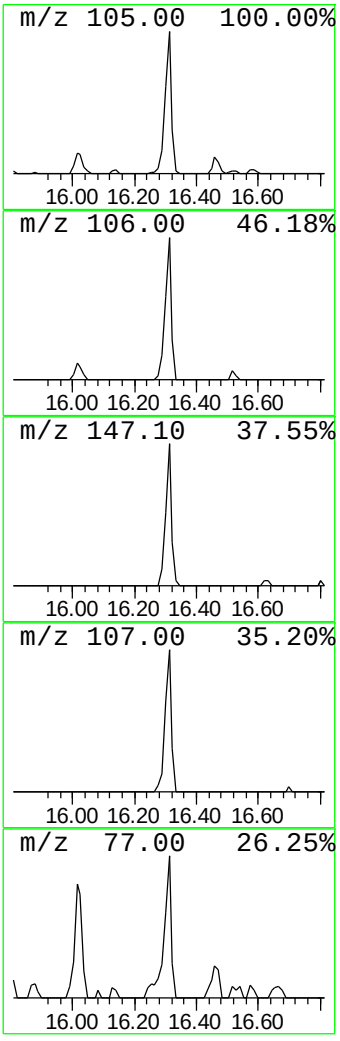
****

Peak Number 6 unknown16.31 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	9.80 ng	155976	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1H)Pyrrole-2-carbonitrile, 5-me...	106	C6H6N2	026173-92-2	25
2	Ethanone, 2-hydroxy-1,2-diphenyl-	212	C14H12O2	000119-53-9	25
3	Diethyl 2-[2-benzamido-2-(5-chlo...	513	C25H25ClN3O5P	300381-21-9	22
4	1-Butanone, 2-hydroxy-1-phenyl-	164	C10H12O2	016183-46-3	22
5	Benzoin	212	C14H12O2	000579-44-2	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

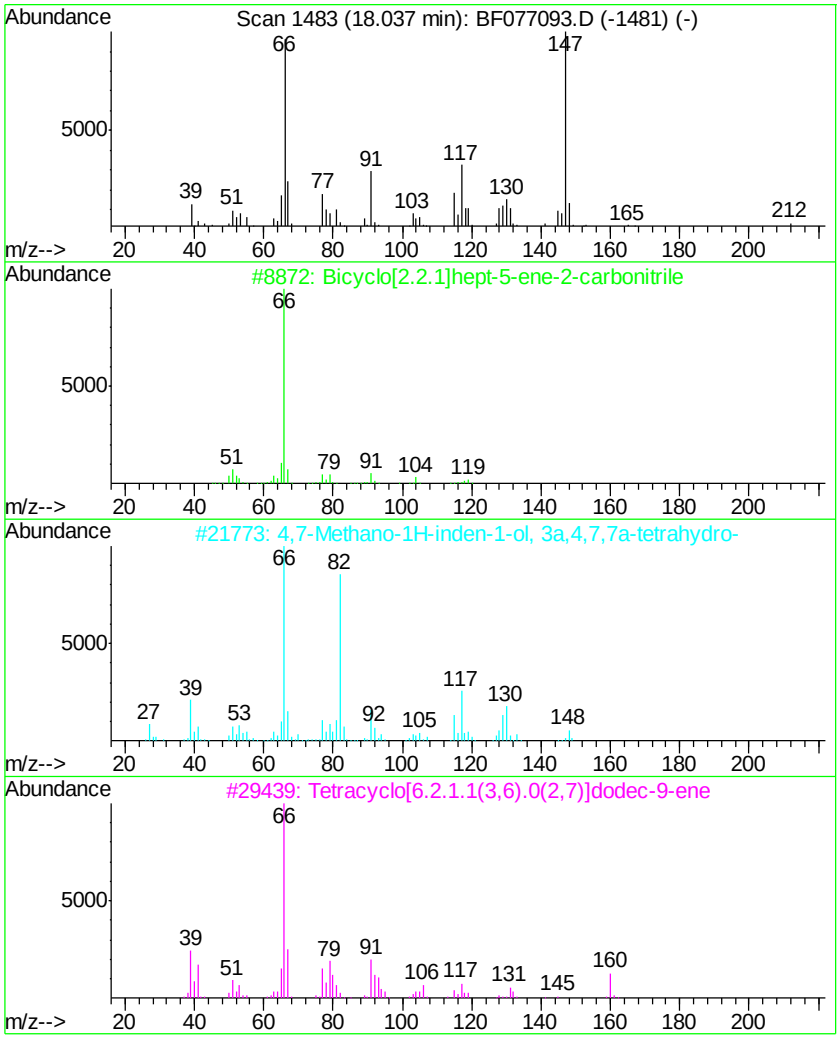
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

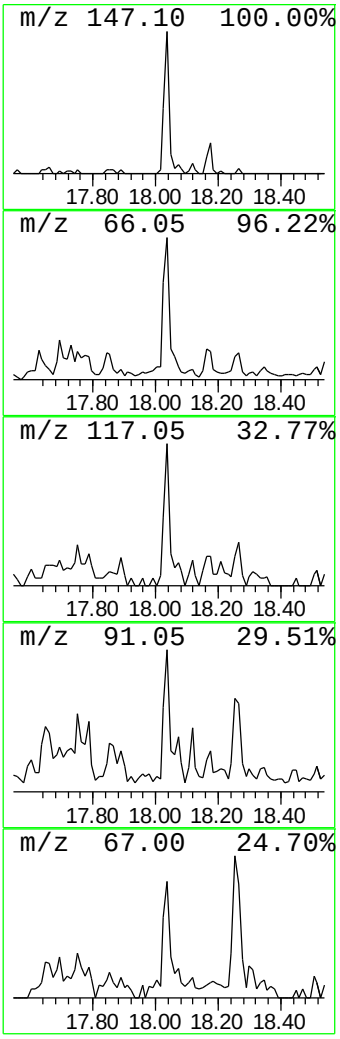
****

Peak Number 8 Bicyclo[2.2.1]hept-5-ene-2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	9.00 ng	143183	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	50
2	4,7-Methano-1H-inden-1-ol, 3a,4,...	148	C10H12O	006814-80-8	45
3	Tetracyclo[6.2.1.1(3,6).0(2,7)]d...	160	C12H16	021635-90-5	42
4	(3Aalpha,4alpha,7alpha,7aalpha)-...	146	C10H10O	005530-96-1	42
5	3-Hexenedinitrile	106	C6H6N2	001119-85-3	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
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Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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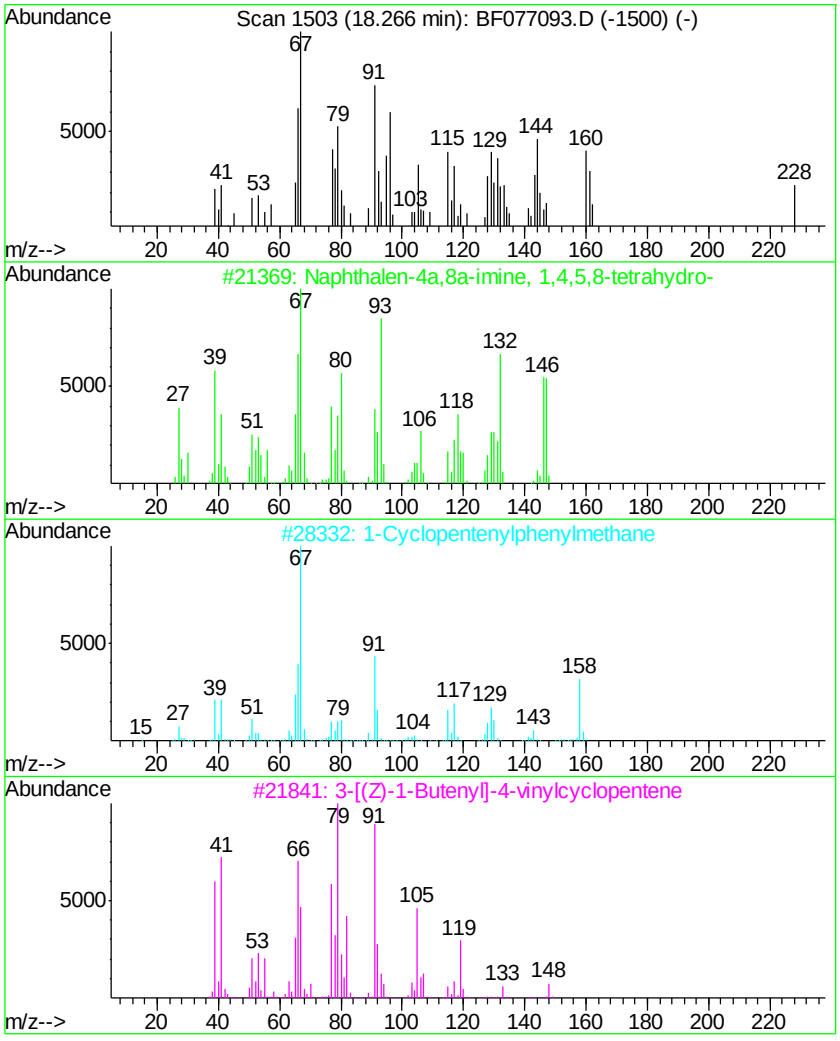
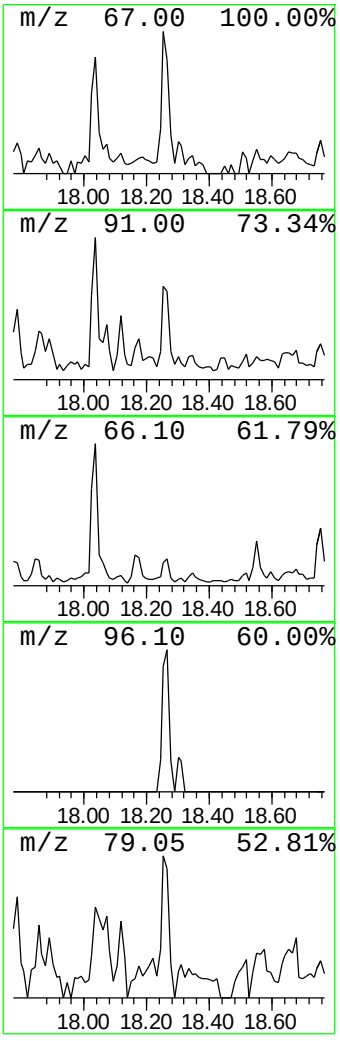
Peak Number 9 unknown18.27 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	5.87 ng	93475	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalen-4a,8a-imine, 1,4,5,8-...	147	C10H13N	036191-26-1	25
2	1-Cyclopentenylphenylmethane	158	C12H14	015507-35-4	22
3	3-[(Z)-1-Butenyl]-4-vinylcyclope...	148	C11H16	052886-04-1	22
4	Bicyclo[2.2.1]heptane-2-carboxyl...	186	C9H14O4	1000141-73-6	22
5	Benzene, (cyclopentylidenemethyl)-	158	C12H14	004410-77-9	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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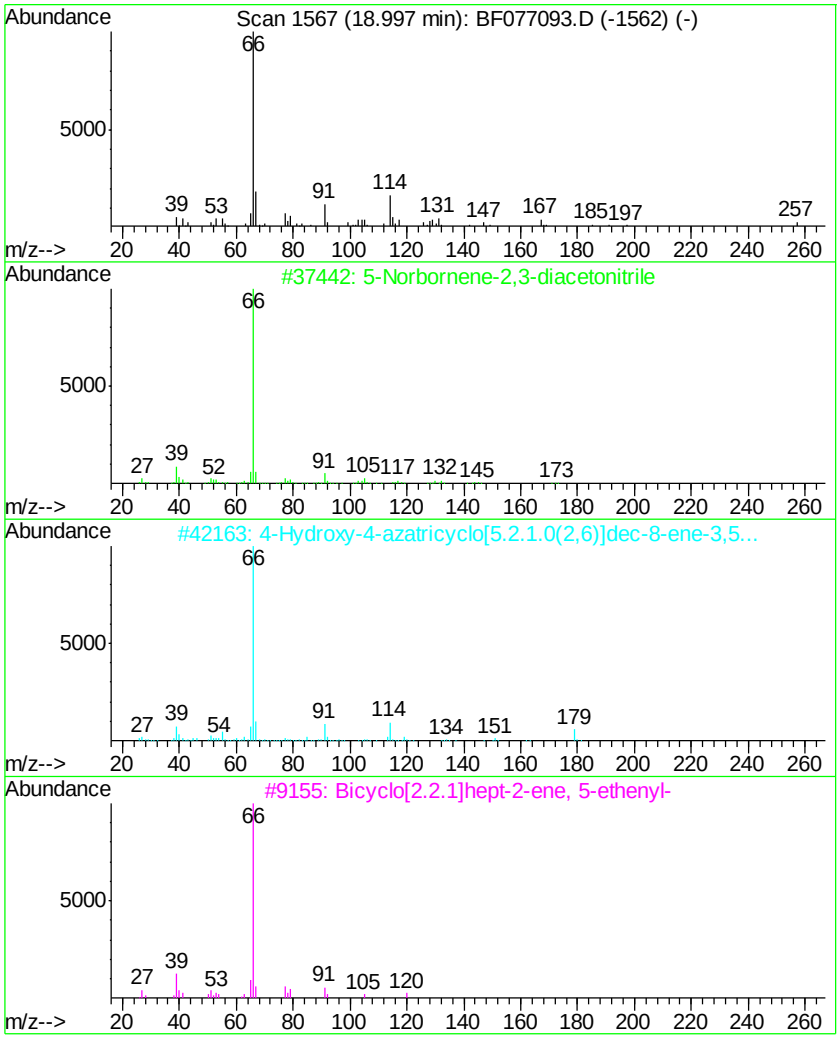
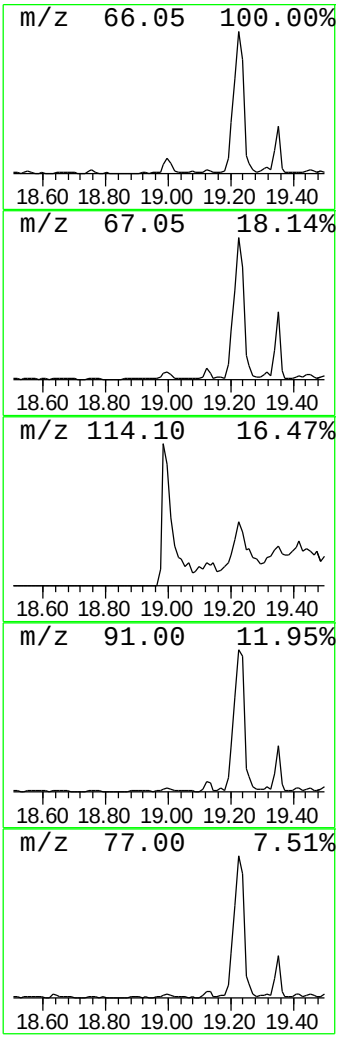
Peak Number 10 5-Norbornene-2,3-diacetonit... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	9.69 ng	154132	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Norbornene-2,3-diacetonitrile	172	C11H12N2	101832-55-7	78
2	4-Hydroxy-4-azatricyclo[5.2.1.0(...	179	C9H9NO3	1000210-21-2	78
3	Bicyclo[2.2.1]hept-2-ene, 5-ethe...	120	C9H12	003048-64-4	72
4	5-endo-(Hydroxymethyl)-6-exo-met...	138	C9H14O	018377-05-4	72
5	Silane, bicyclo[2.2.1]hept-5-en-...	226	C7H9Cl3Si	014319-64-3	72





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Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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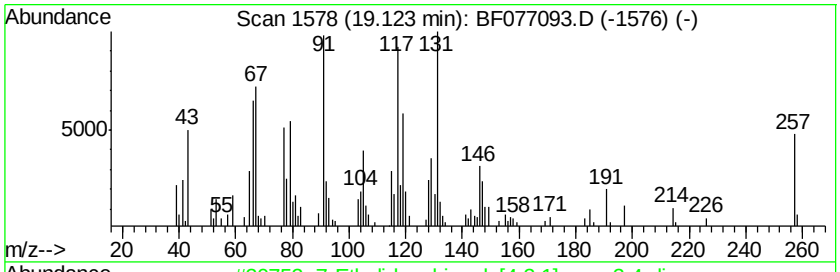
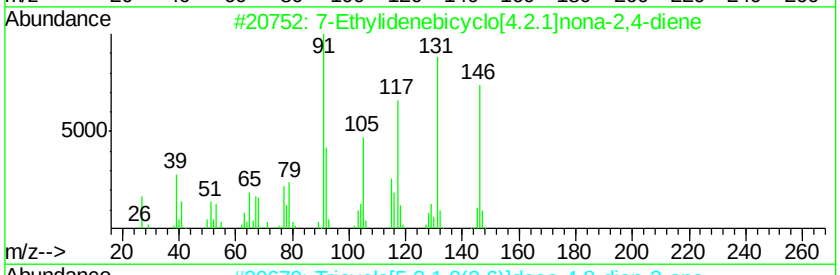
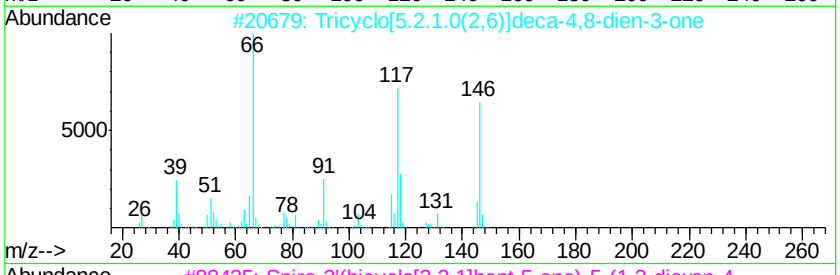
Peak Number 11 unknown19.12 Concentration Rank 7

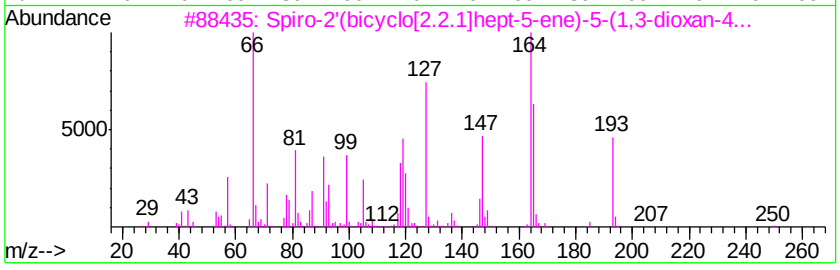
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	15.52 ng	246959	Phenanthrene-d10	17.64

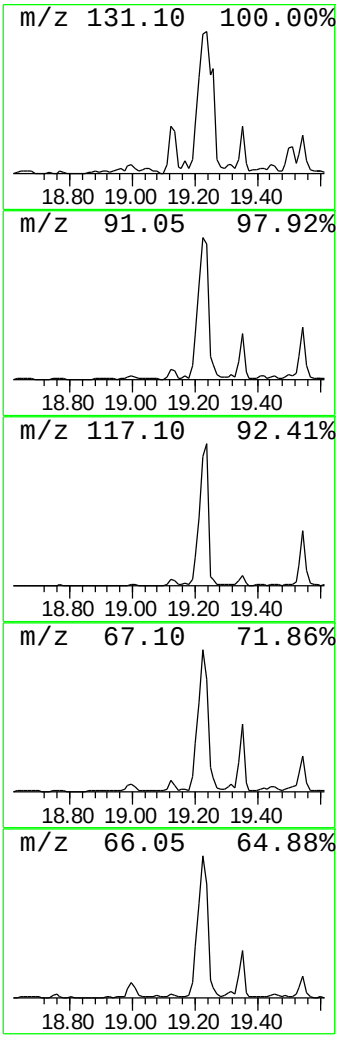
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Ethylidenebicyclo[4.2.1]nona-2...	146	C11H14	094400-10-9	38
2	Tricyclo[5.2.1.0(2,6)]deca-4,8-d...	146	C10H10O	1000191-03-2	27
3	Spiro-2'(bicyclo[2.2.1]hept-5-en...	250	C15H22O3	1000188-54-9	27
4	6-[(Z)-1-Butenyl]-1,4-cyclohepta...	148	C11H16	033156-93-3	25
5	4,7-Methano-1H-inden-6-ol, 3a,4,...	192	C12H16O2	005413-60-5	22











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Sample : G1137-11
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ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

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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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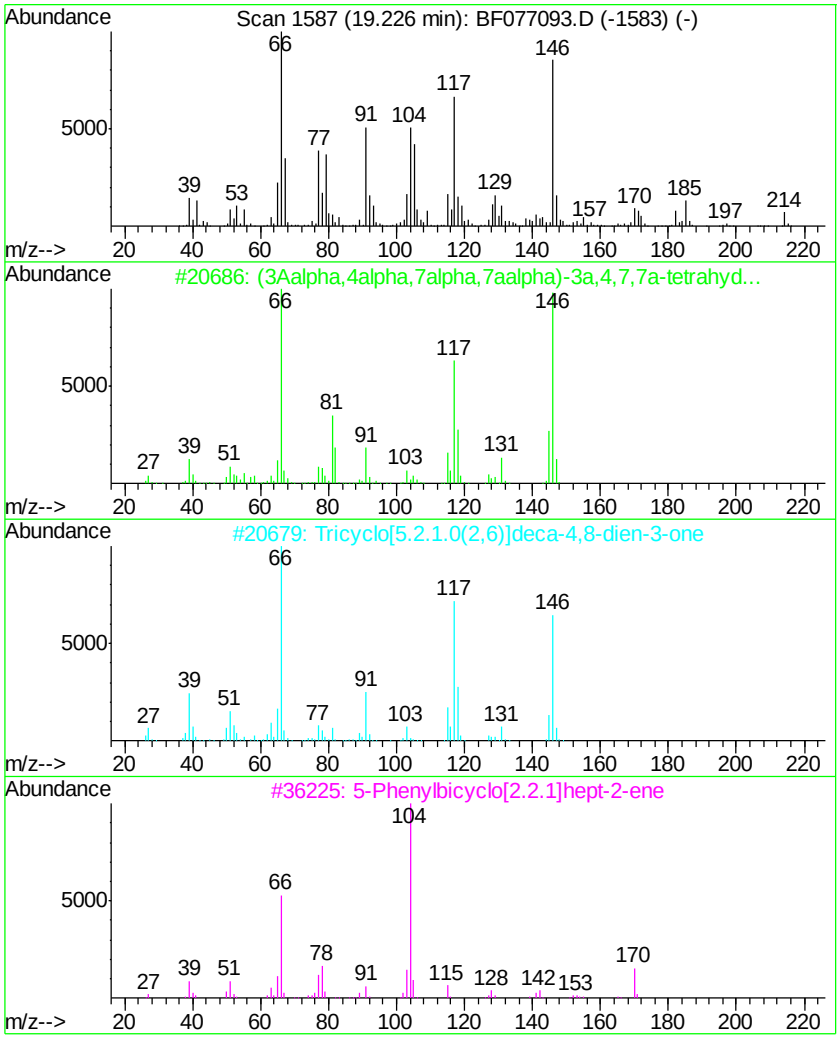
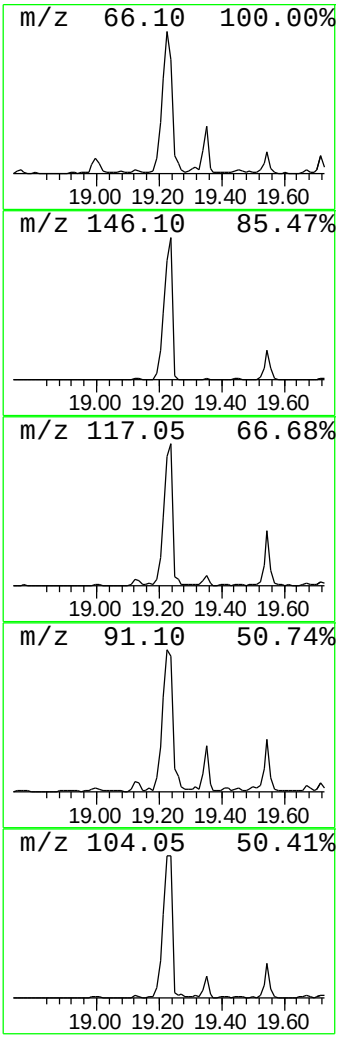
Peak Number 12 (3Aalpha,4alpha,7alpha,7aal... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	397.73 ng	6328650	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3Aalpha,4alpha,7alpha,7aalpha)-...	146	C10H10O	005530-96-1	72
2	Tricyclo[5.2.1.0(2,6)]deca-4,8-d...	146	C10H10O	1000191-03-2	72
3	5-Phenylbicyclo[2.2.1]hept-2-ene	170	C13H14	006143-30-2	50
4	3-Azatricyclo[4.2.1.0(2,5)]non-7...	135	C8H9NO	014805-31-3	43
5	2-(1-Hydroxyethyl)norbornadiene	136	C9H12O	1000139-55-9	40





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Sample : G1137-11
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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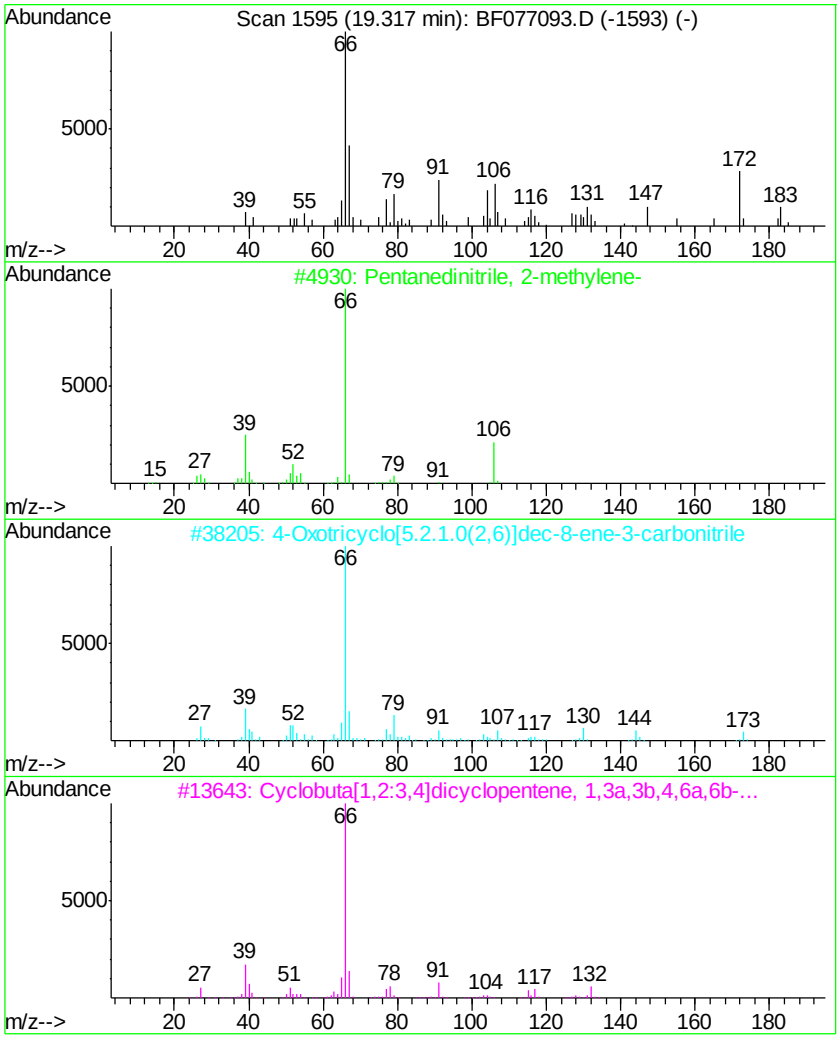
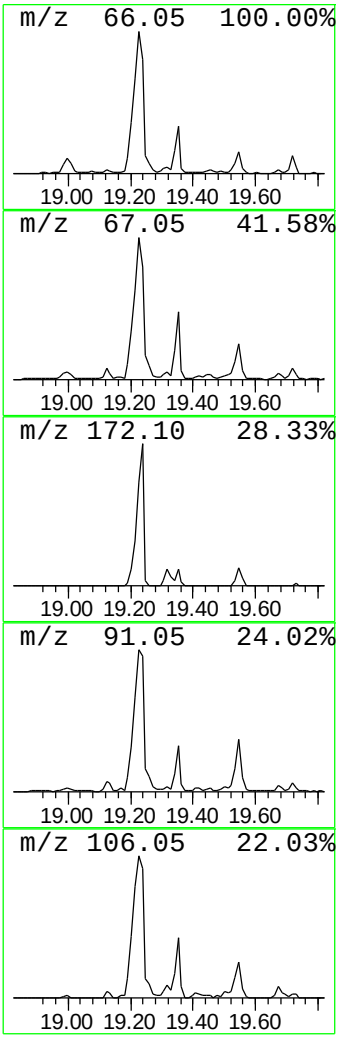
Peak Number 13 Pentanedinitrile, 2-methylene- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	6.45 ng	102610	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanedinitrile, 2-methylene-	106	C6H6N2	001572-52-7	64
2	4-Oxotricyclo[5.2.1.0(2,6)]dec-8...	173	C11H11NO	1000187-81-9	59
3	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	105226-58-2	59
4	3-Hexenedinitrile	106	C6H6N2	001119-85-3	59
5	5-Methylene-2-norbornene	106	C8H10	000694-91-7	59





Library Search Compound Report

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Sample : G1137-11
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ClientSampleId : 104B5

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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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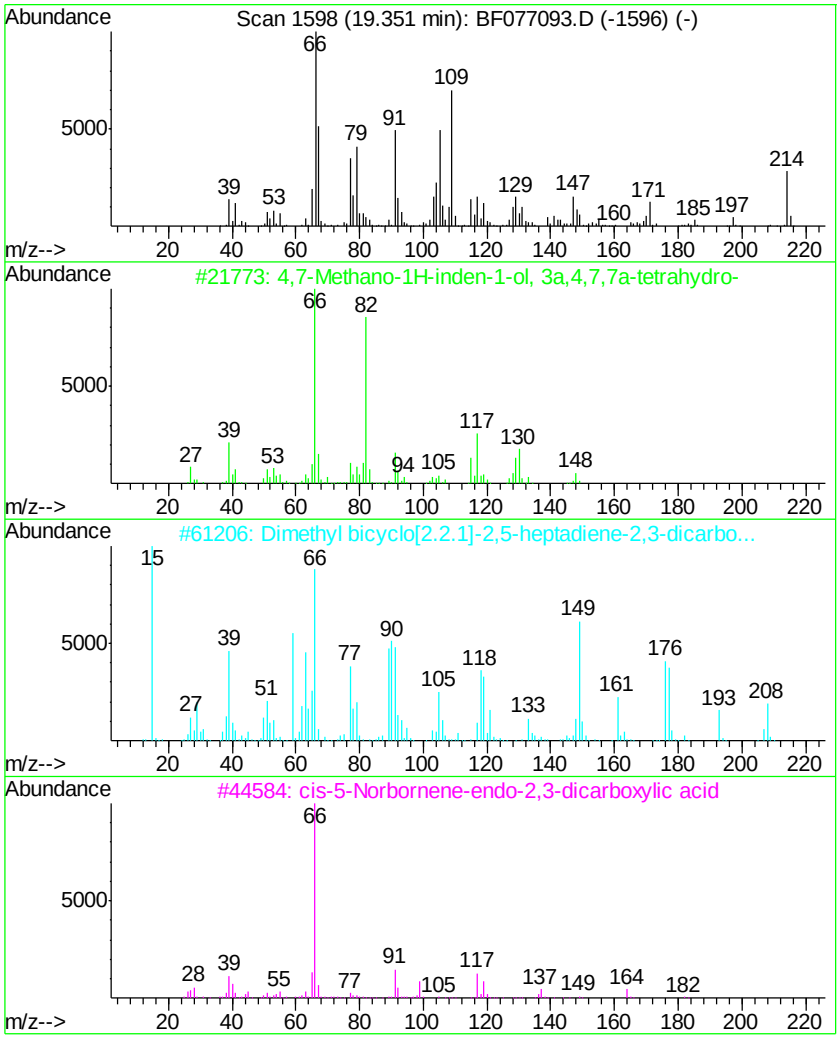
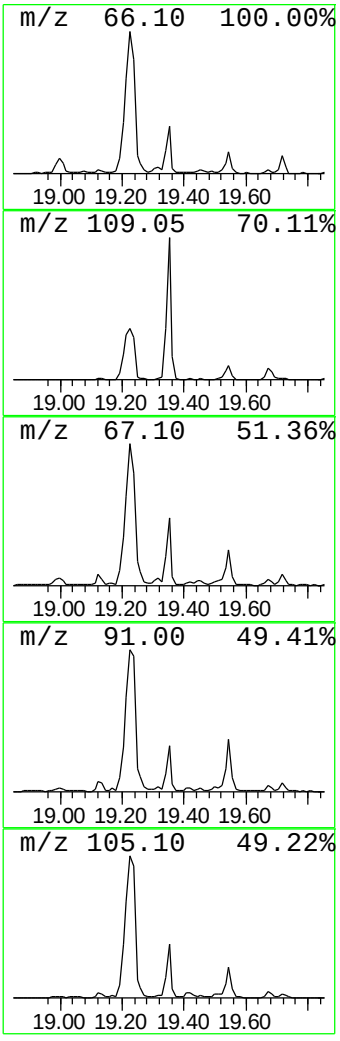
Peak Number 14 4,7-Methano-1H-inden-1-ol, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	57.08 ng	908169	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-1H-inden-1-ol, 3a,4,...	148	C10H12O	006814-80-8	52
2	Dimethyl bicyclo[2.2.1]-2,5-hept...	208	C11H12O4	000947-57-9	50
3	cis-5-Norbornene-endo-2,3-dicarb...	182	C9H10O4	003813-52-3	47
4	2-(1-Hydroxyethyl)bicyclo[2.2.1]...	182	C10H14O3	1000187-20-5	47
5	Tricyclo[4.2.1.1(2,5)]dec-3-en-9...	192	C12H16O2	119405-11-7	42





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ClientSampleId : 104B5

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TIC Library : C:\DATABASE\NIST02.L
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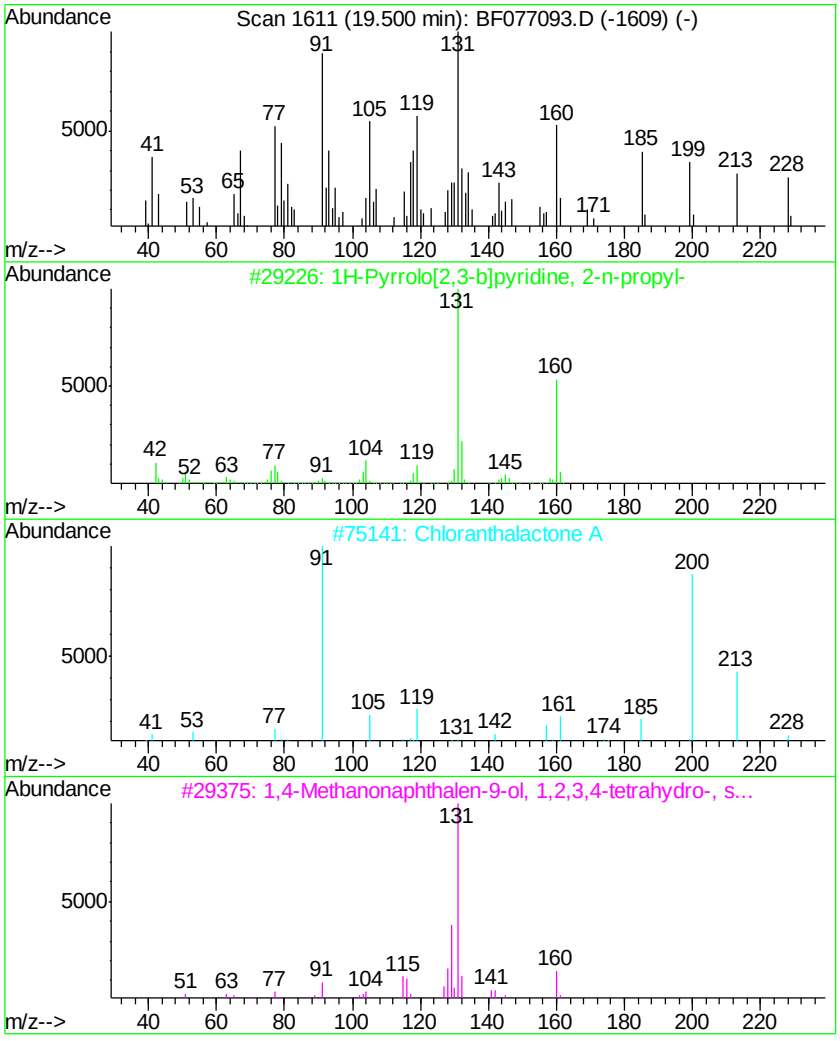
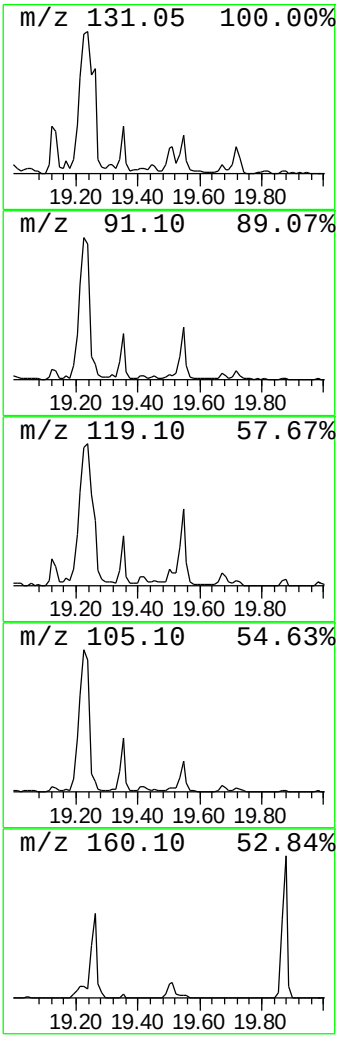
Peak Number 15 unknown19.50 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	5.85 ng	112065	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[2,3-b]pyridine, 2-n-p...	160	C10H12N2	1000212-02-1	27
2	Chloranthalactone A	228	C15H16O2	066395-02-6	27
3	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	001198-20-5	25
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	25
5	1,5-Naphthalenediol	160	C10H8O2	000083-56-7	22





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Instrument : BNA_F
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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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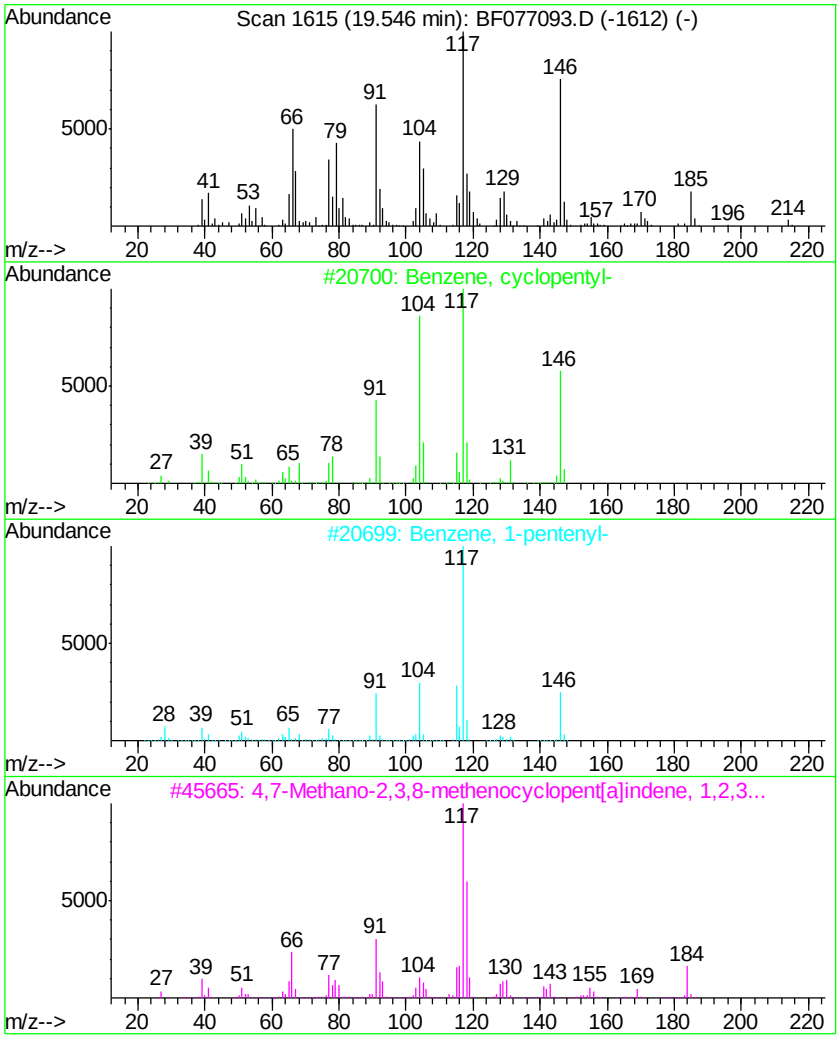
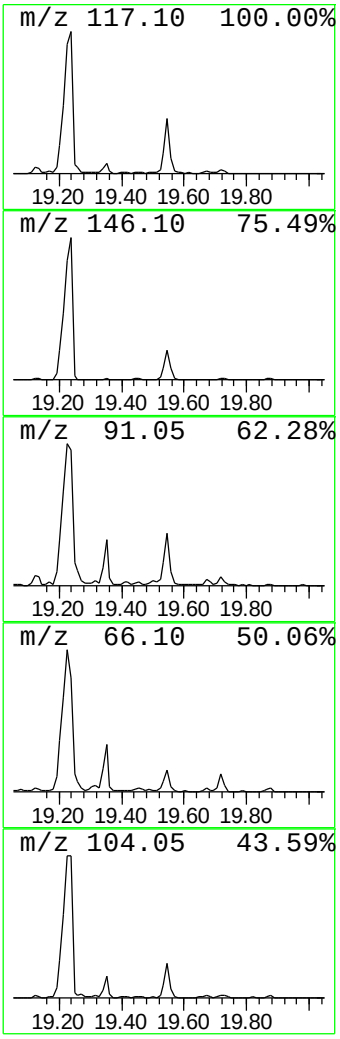
Peak Number 16 Benzene, cyclopentyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	53.00 ng	1014680	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopentyl-	146	C11H14	000700-88-9	56
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	38
3	4,7-Methano-2,3,8-methenocyclope...	184	C14H16	007781-74-0	37
4	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	35
5	Tetracyclo[6.2.1.1(3,6).0(2,7)]d...	160	C12H16	021635-90-5	27





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Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

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

TIC Library : C:\DATABASE\NIST02.L
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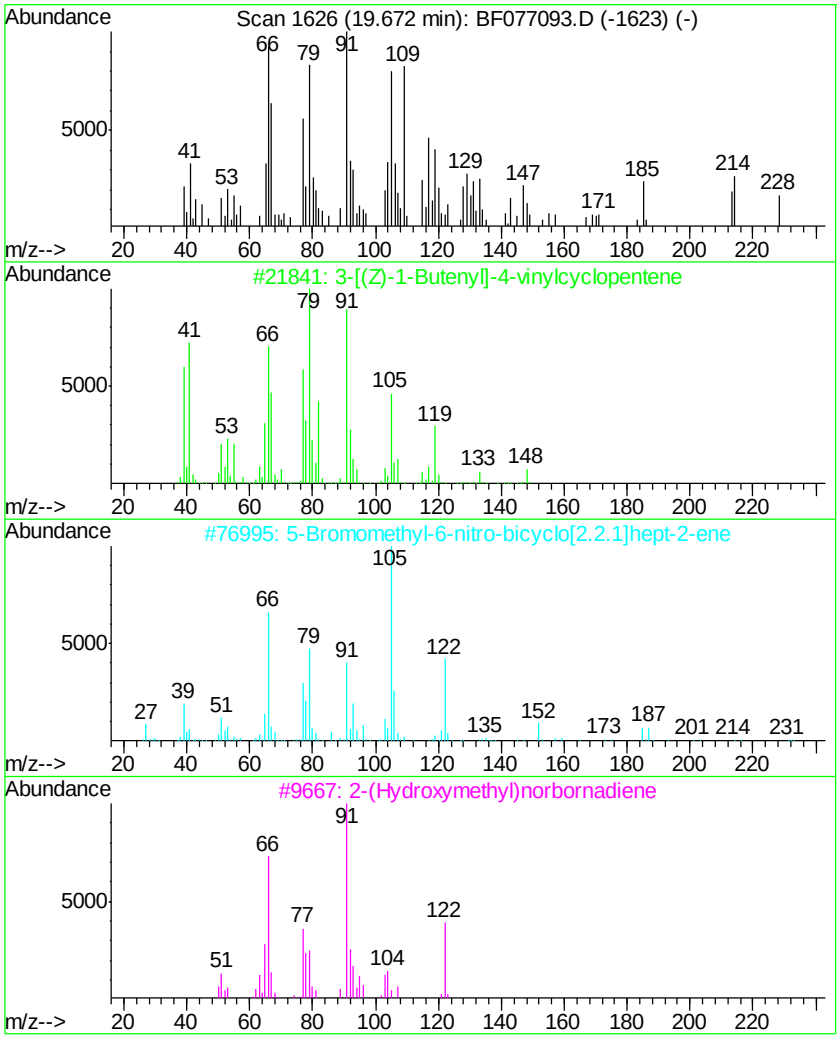
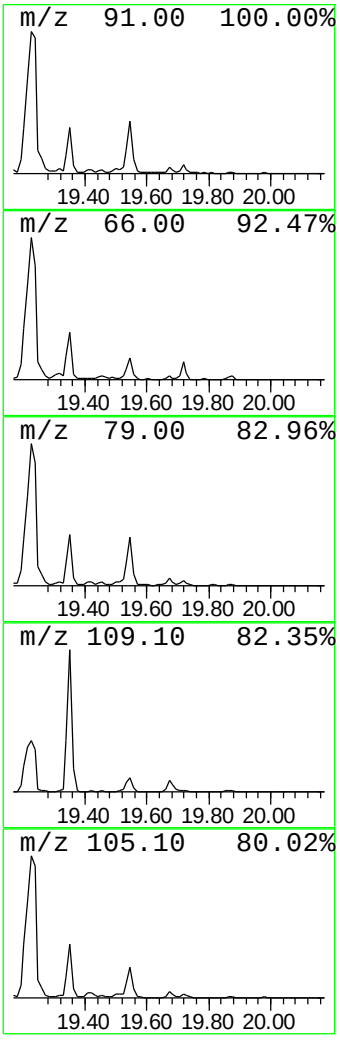
Peak Number 17 unknown19.67 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	7.71 ng	147630	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[(Z)-1-Butenyl]-4-vinylcyclope...	148	C11H16	052886-04-1	49
2	5-Bromomethyl-6-nitro-bicyclo[2....	231	C8H10BrNO2	1000187-23-5	47
3	2-(Hydroxymethyl)norbornadiene	122	C8H10O	067583-61-3	45
4	Tricyclo[4.2.1.0(2,5)]non-7-en-3...	134	C9H10O	035150-63-1	38
5	5-Methylene-2-norbornene	106	C8H10	000694-91-7	38





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TIC Library : C:\DATABASE\NIST02.L
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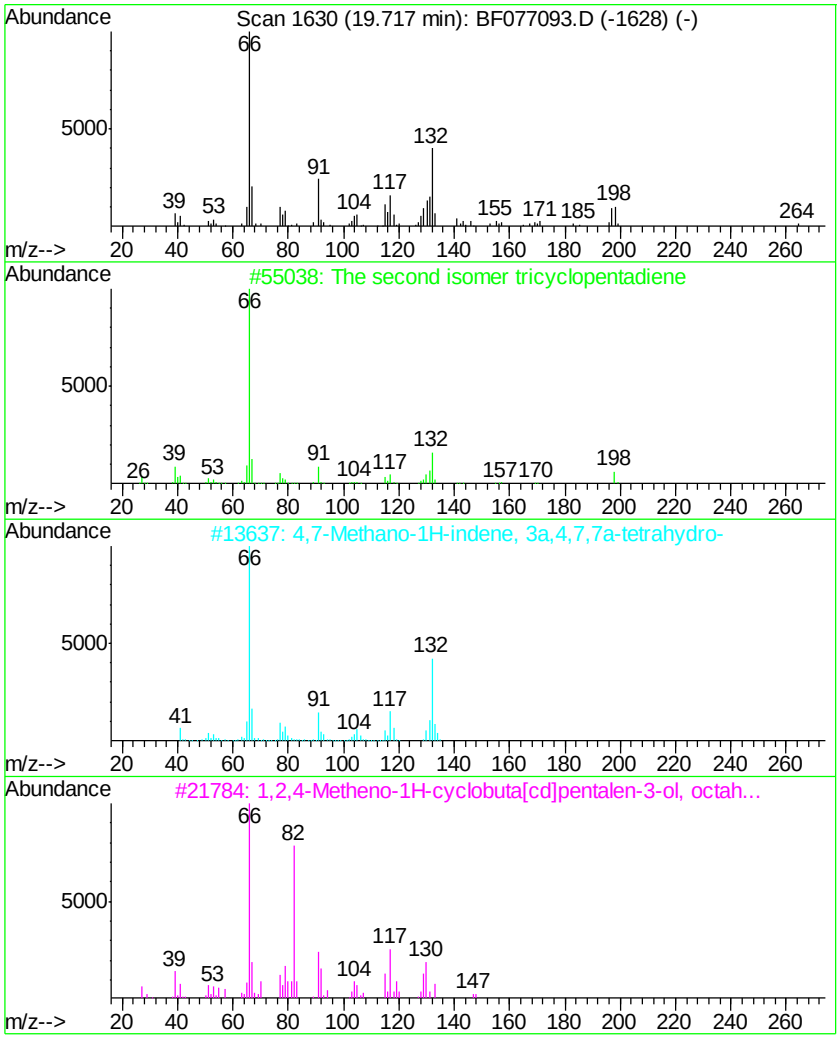
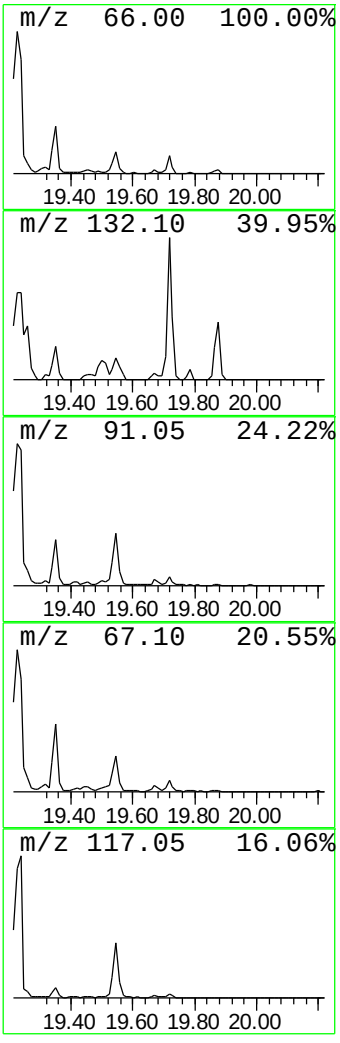
Peak Number 18 The second isomer tricyclop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	10.62 ng	203215	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	The second isomer tricyclopentad...	198	C15H18	1000222-21-1	91
2	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	87
3	1,2,4-Metheno-1H-cyclobuta[cd]pe...	148	C10H12O	013351-15-0	64
4	5-Norbornene-2-methanol	124	C8H12O	000095-12-5	59
5	3,4-Dihydrodicyclopentadiene	134	C10H14	1000113-53-5	59





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Instrument : BNA_F
ClientSampleId : 104B5

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TIC Library : C:\DATABASE\NIST02.L
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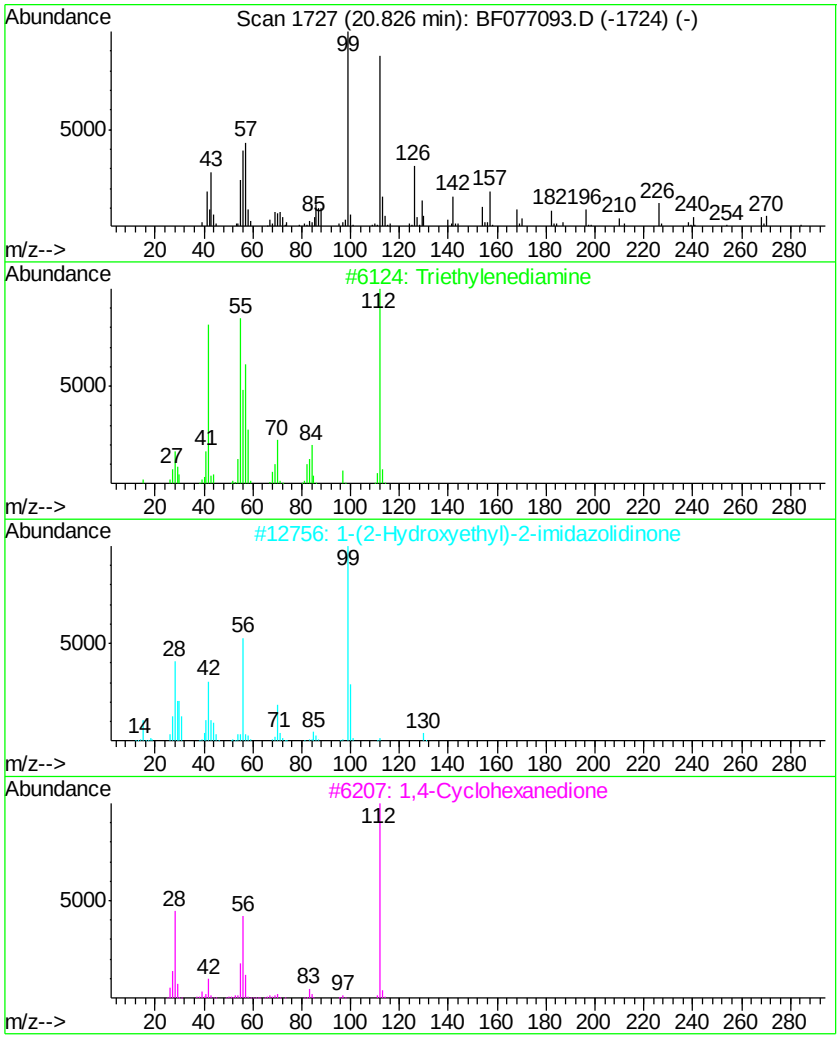
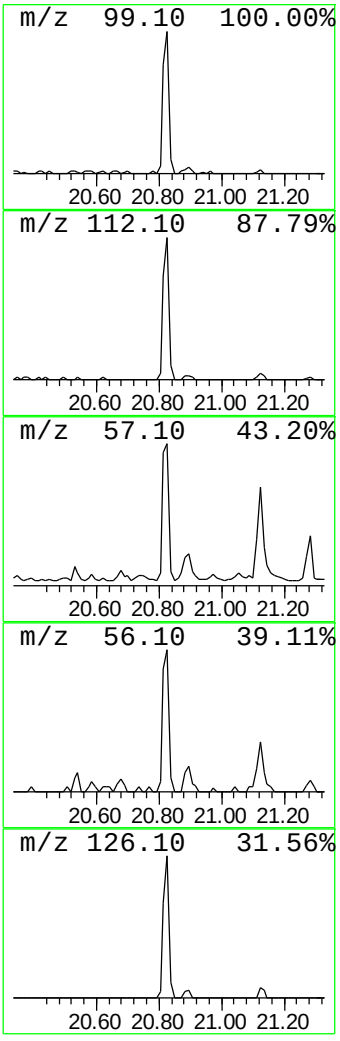
Peak Number 19 unknown20.83 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	12.36 ng	236698	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylenediamine	112	C6H12N2	000280-57-9	35
2	1-(2-Hydroxyethyl)-2-imidazolidi...	130	C5H10N2O2	003699-54-5	35
3	1,4-Cyclohexanedione	112	C6H8O2	000637-88-7	35
4	1H-Azepine-1-butanamide, hexahyd...	336	C22H28N2O	003691-21-2	27
5	1,4-Dioxaspiro[4.6]undec-7-ene	154	C9H14O2	007140-60-5	25





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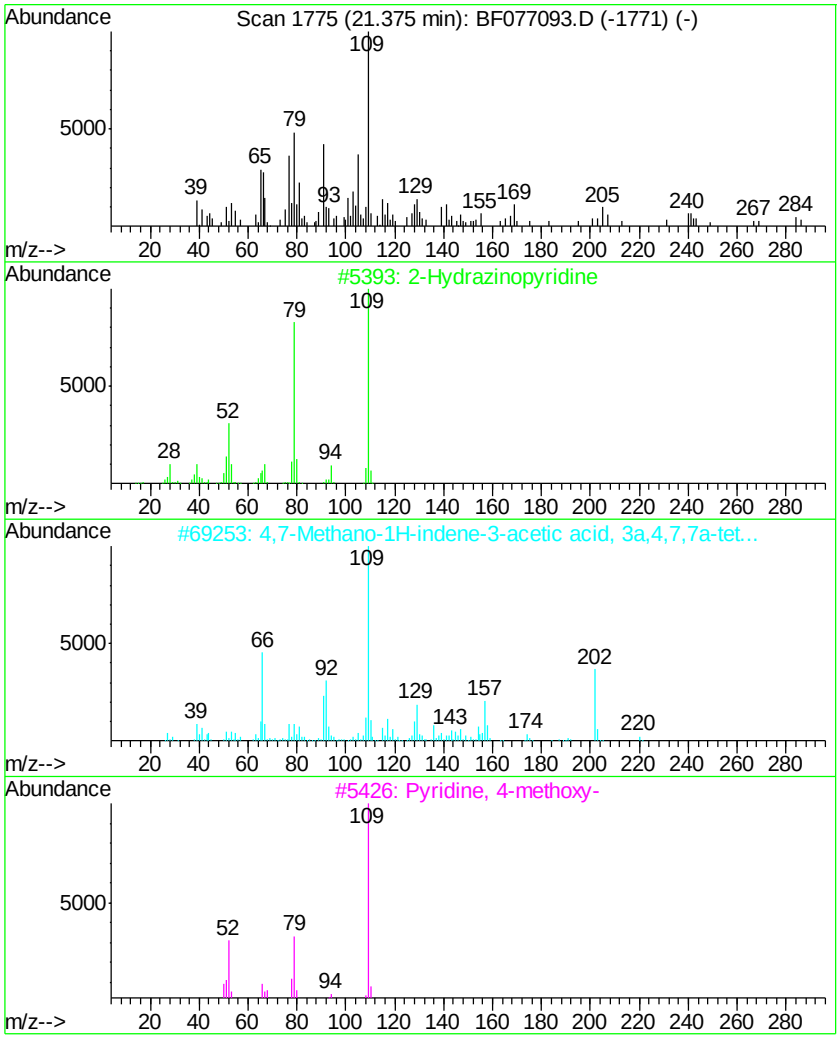
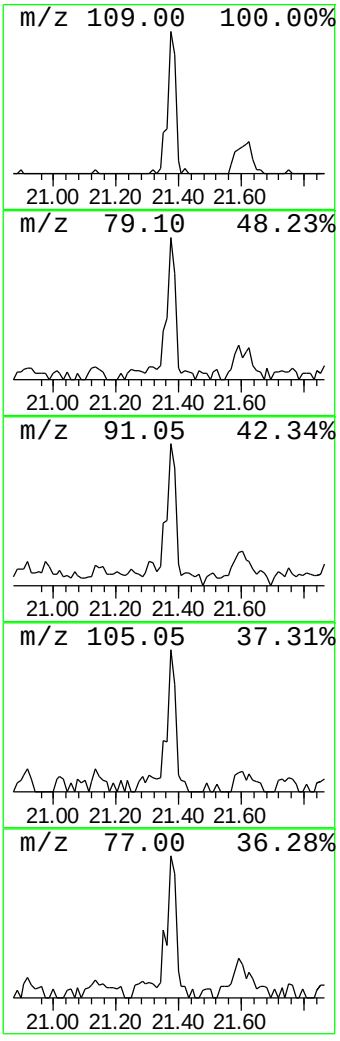
Peak Number 20 2-Hydrazinopyridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	12.10 ng	231605	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydrazinopyridine	109	C5H7N3	004930-98-7	35
2	4,7-Methano-1H-indene-3-acetic a...	220	C13H16O3	110678-39-2	35
3	Pyridine, 4-methoxy-	109	C6H7NO	000620-08-6	27
4	Pyridine, 4-methyl-, 1-oxide	109	C6H7NO	001003-67-4	22
5	Tricyclo[4.3.1.1(3,8)]undecane, ...	180	C12H20O	021898-95-3	14





Tentatively Identified Compound (LSC) summary

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Data File : BF077093.D
Acq On : 27 Jan 2015 19:55
Operator : TP/IZ
Sample : G1137-11
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 104B5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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
unknown7.26	7.26	46.4	ng	597540	1	7.76	257745	20.0
4,7-Methano-1H-in...	7.99	18.0	ng	232010	1	7.76	257745	20.0
Phenol, p-tert-bu...	12.30	14.2	ng	163611	2	10.68	231175	20.0
Phenol, 2-(1,1-di...	13.11	14.5	ng	2037380	3	14.80	2809140	20.0
unknown16.31	16.31	9.8	ng	155976	4	17.64	318236	20.0
Bicyclo[2.2.1]hep...	18.04	9.0	ng	143183	4	17.64	318236	20.0
unknown18.27	18.27	5.9	ng	93475	4	17.64	318236	20.0
5-Norbornene-2,3-...	19.00	9.7	ng	154132	4	17.64	318236	20.0
unknown19.12	19.12	15.5	ng	246959	4	17.64	318236	20.0
(3Aalpha,4alpha,7...	19.23	397.7	ng	6328650	4	17.64	318236	20.0
Pentanedinitrile,...	19.32	6.5	ng	102610	4	17.64	318236	20.0
4,7-Methano-1H-in...	19.35	57.1	ng	908169	4	17.64	318236	20.0
unknown19.50	19.50	5.8	ng	112065	5	21.13	382871	20.0
Benzene, cyclopen...	19.55	53.0	ng	1014680	5	21.13	382871	20.0
unknown19.67	19.67	7.7	ng	147630	5	21.13	382871	20.0
The second isomer...	19.72	10.6	ng	203215	5	21.13	382871	20.0
unknown20.83	20.83	12.4	ng	236698	5	21.13	382871	20.0
2-Hydrazinopyridine	21.37	12.1	ng	231605	5	21.13	382871	20.0