Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100242.D
Acq On : 6 Nov 2017 1:18
Operator : SJ/JU
Sample : I6181-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 07:50:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 2017
Response via : Initial Calibration

Instrument : BNA_F
ClientSampleId : WASTE

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	91894	20.00	ng		0.00
21) Naphthalene-d8	8.06	136	245371	20.00	ng		0.01
38) Acenaphthene-d10	9.83	164	108611	20.00	ng		0.02
63) Phenanthrene-d10	11.32	188	151381	20.00	ng		0.02
75) Chrysene-d12	13.95	240	208272	20.00	ng		0.00
86) Perylene-d12	15.40	264	180959	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	507569	86.72	ng		0.00
7) Phenol-d6	6.42	99	560184	80.71	ng		0.00
23) Nitrobenzene-d5	7.35	82	232048	60.88	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	59132	59.74	ng		0.02
44) 2-Fluorobiphenyl	9.14	172	409074	58.11	ng		0.01
78) Terphenyl-d14	12.88	244	358475	37.61	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.08	128	456754	38.563	ng	#	87
37) 2-Methylnaphthalene	8.79	142	1427658	179.866	ng		99
45) 1,1'-Biphenyl	9.25	154	249691	25.413	ng		98
57) Fluorene	10.39	166	227080	28.933	ng	#	75
70) Phenanthrene	11.35	178	555062	64.972	ng		97
74) Fluoranthene	12.53	202	39391	4.437	ng		82
77) Pyrene	12.76	202	125473	7.923	ng	#	80
82) Chrysene	13.97	228	31686	2.553	ng	#	90
87) Benzo(b)fluoranthene	14.99	252	40955m	3.584	ng		
89) Benzo(a)pyrene	15.35	252	27962	2.724	ng	#	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100242.D
Acq On : 6 Nov 2017 1:18
Operator : SJ/JU
Sample : I6181-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 07:50:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WASTE

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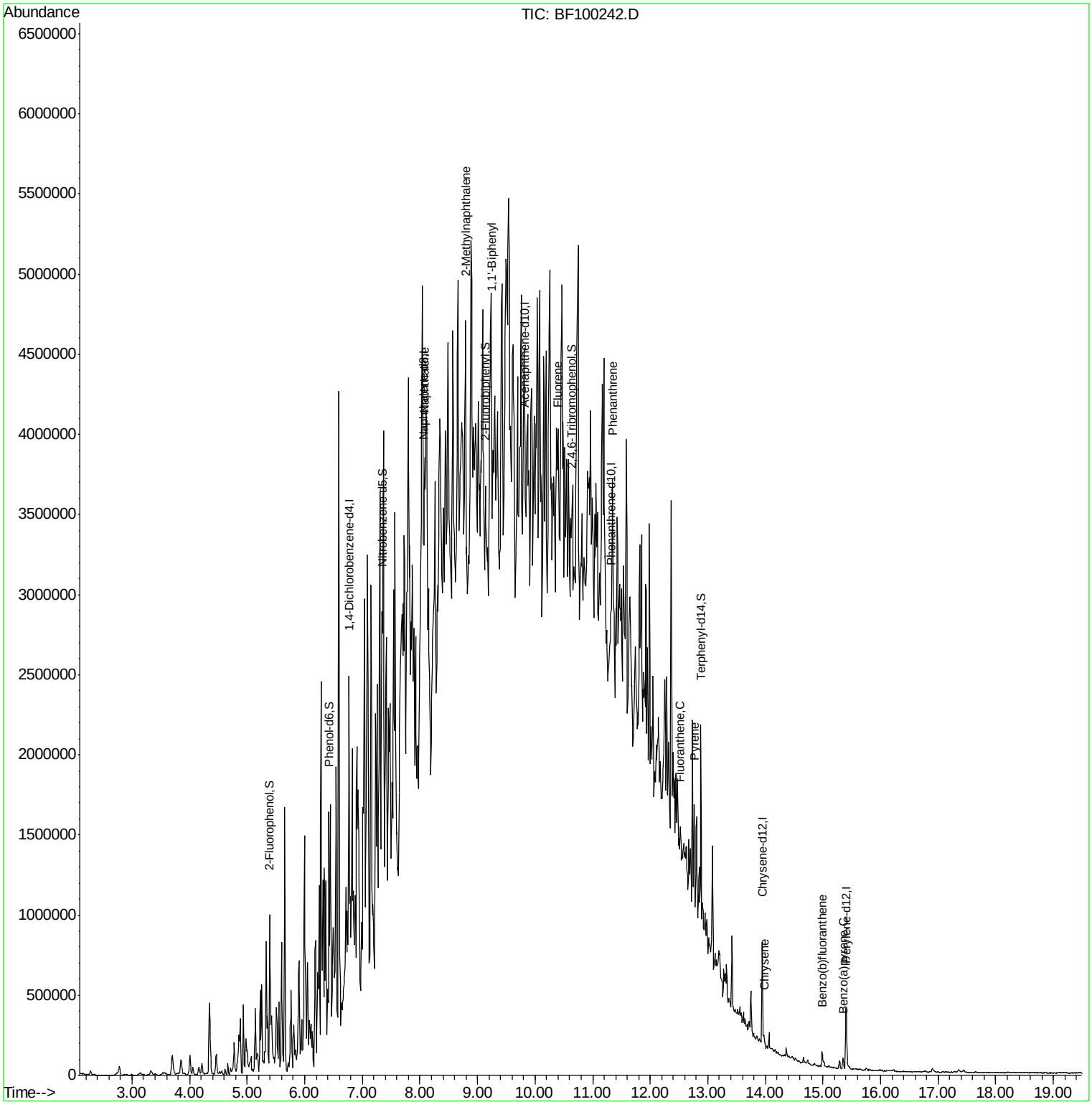
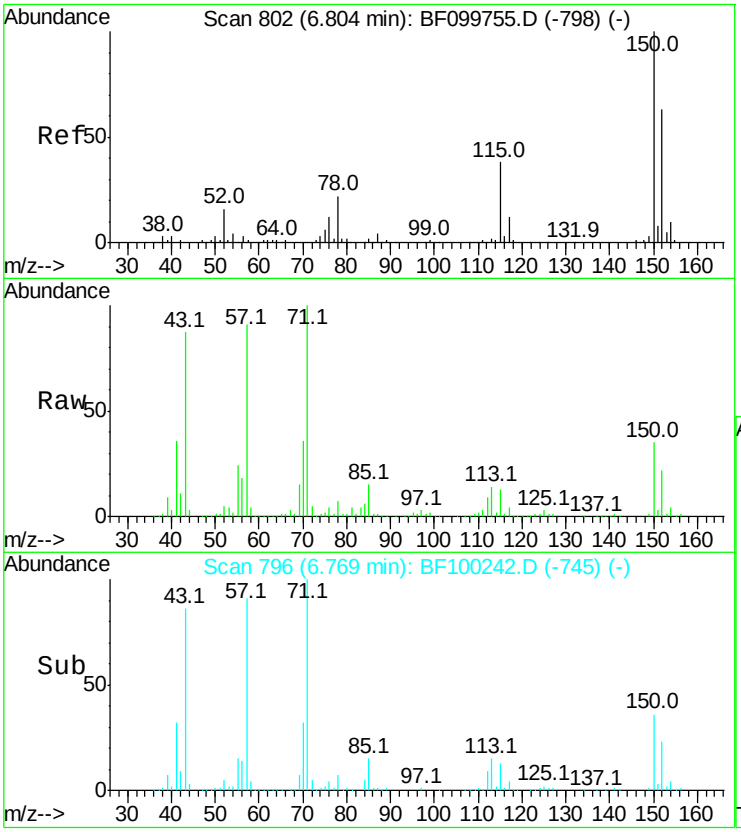
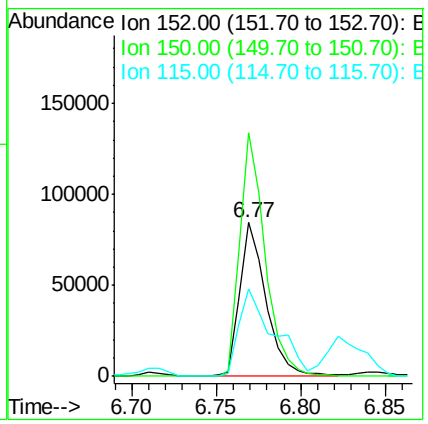




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:152 Resp: 91894

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	56.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
WASTE

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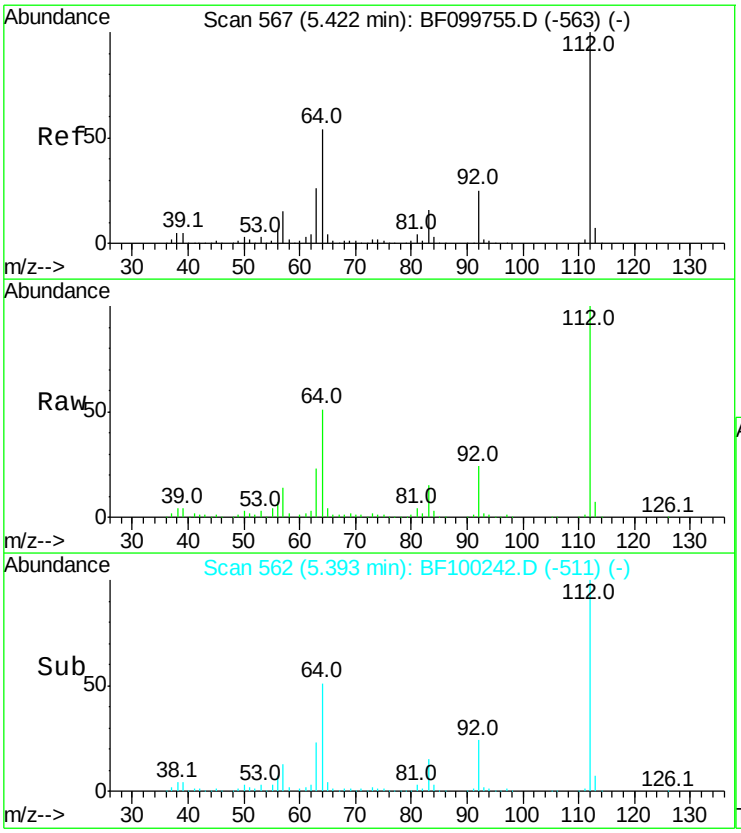
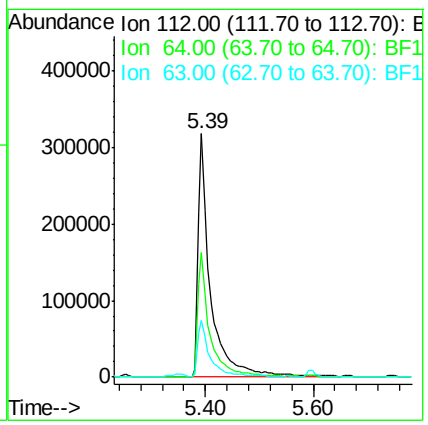
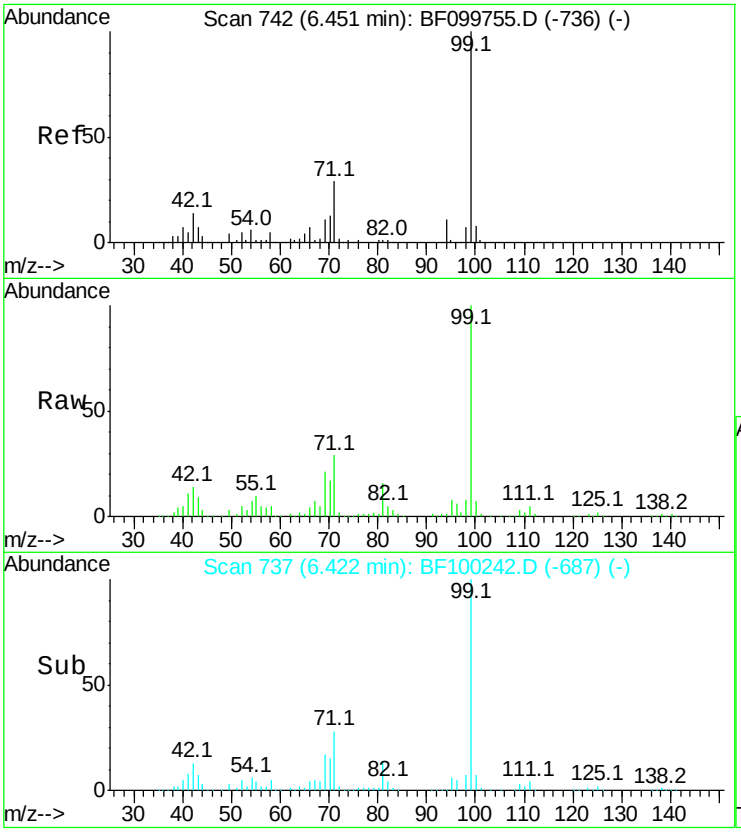


#5
2-Fluorophenol
Concen: 86.716 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:112 Resp: 507569

Ion	Ratio	Lower	Upper
112	100		
64	51.0	47.9	71.9
63	23.3	23.7	35.5#

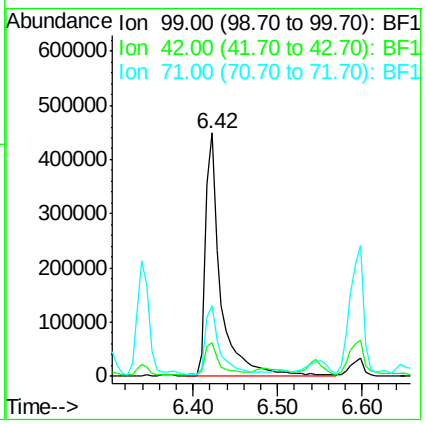




#7
Phenol-d6
Concen: 80.715 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion: 99 Resp: 560184

Ion	Ratio	Lower	Upper
99	100		
42	13.6	14.5	21.7#
71	29.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
WASTE

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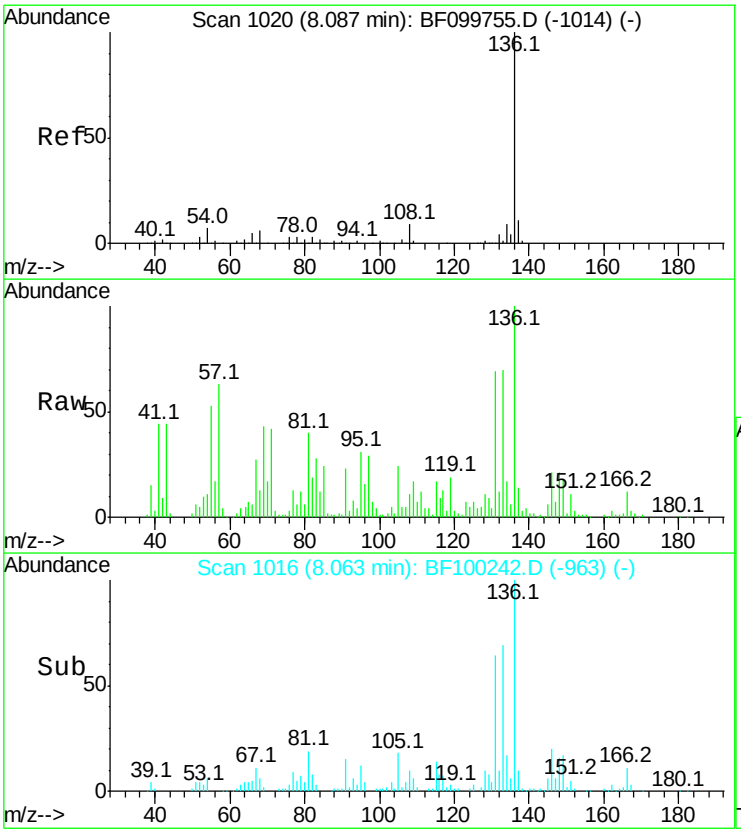
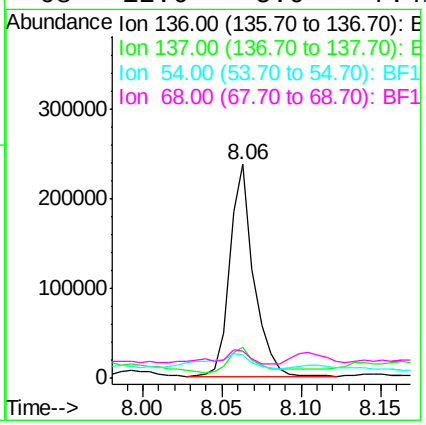
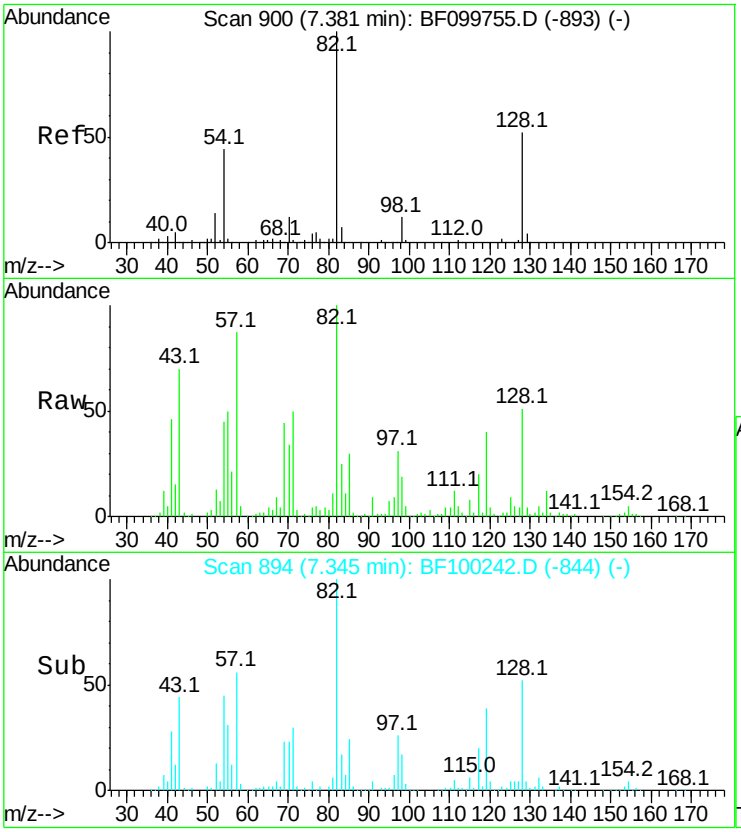


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:136 Resp: 245371

Ion	Ratio	Lower	Upper
136	100		
137	14.1	8.9	13.3#
54	10.7	6.6	9.8#
68	12.6	5.0	7.4#

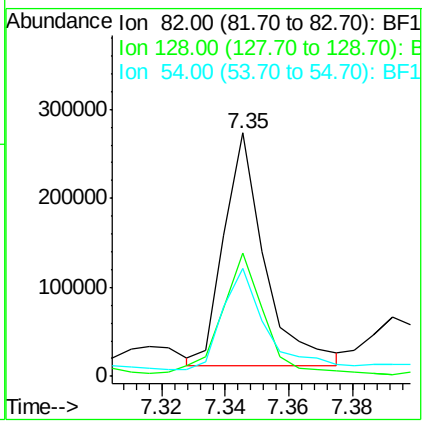




#23
Nitrobenzene-d5
Concen: 60.885 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion: 82 Resp: 232048

Ion	Ratio	Lower	Upper
82	100		
128	50.7	36.1	54.1
54	44.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
WASTE

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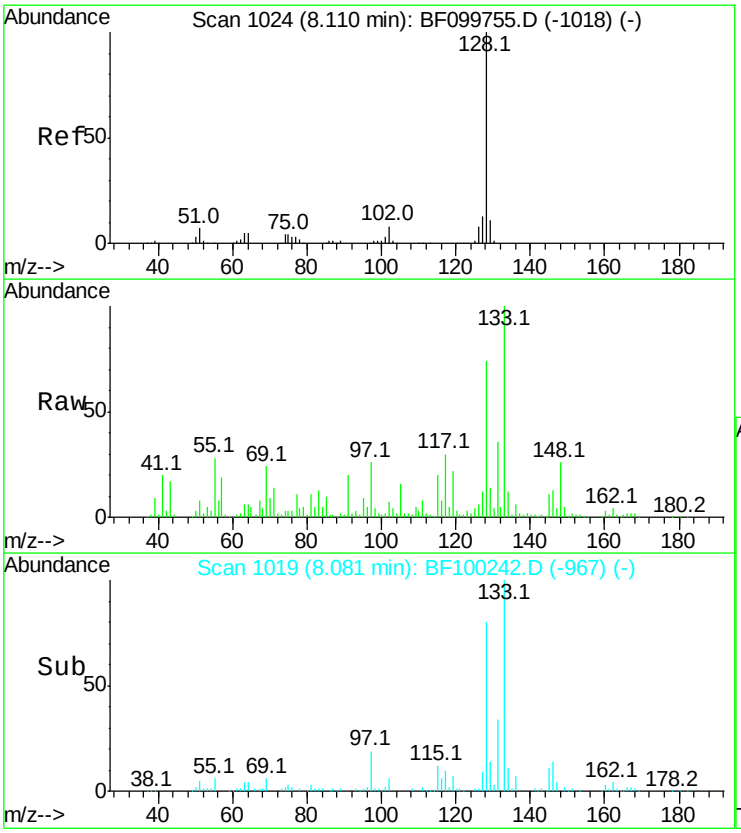
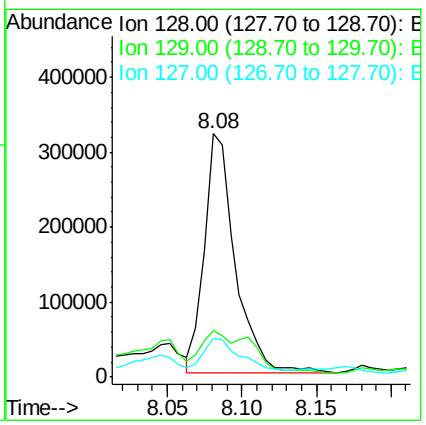
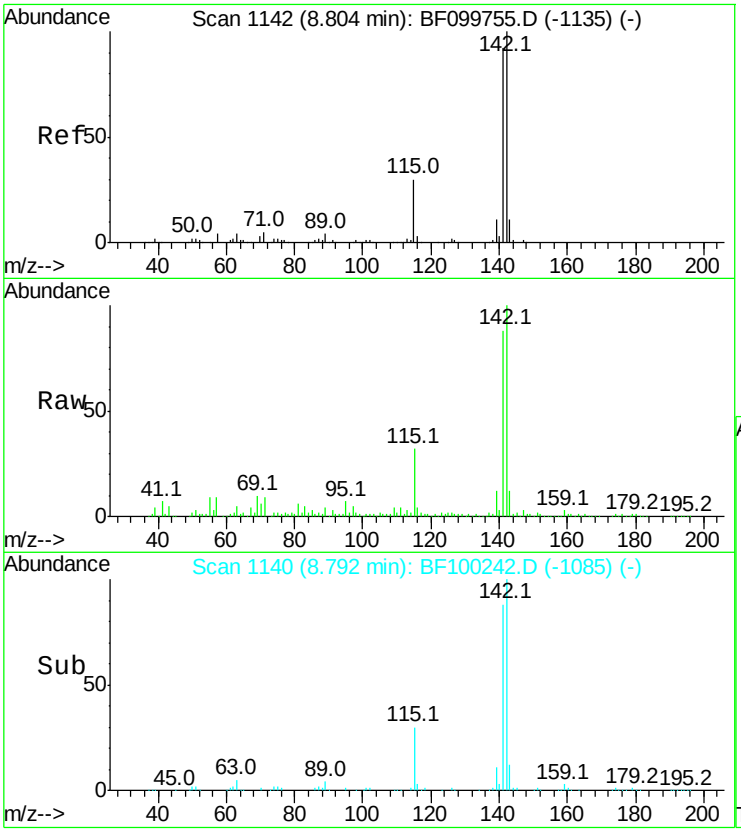


#31
Naphthalene
Concen: 38.563 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:128 Resp: 456754

Ion	Ratio	Lower	Upper
128	100		
129	19.0	8.8	13.2#
127	16.2	10.9	16.3

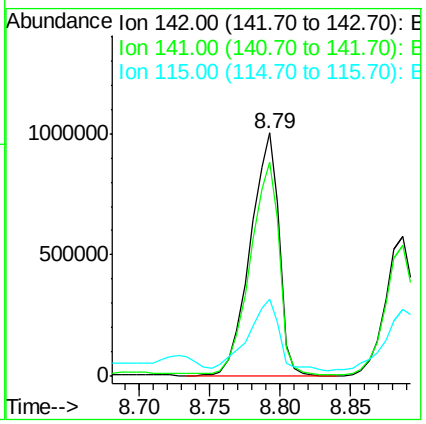




#37
2-Methylnaphthalene
Concen: 179.866 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:142 Resp: 1427658

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.8	106.2
115	32.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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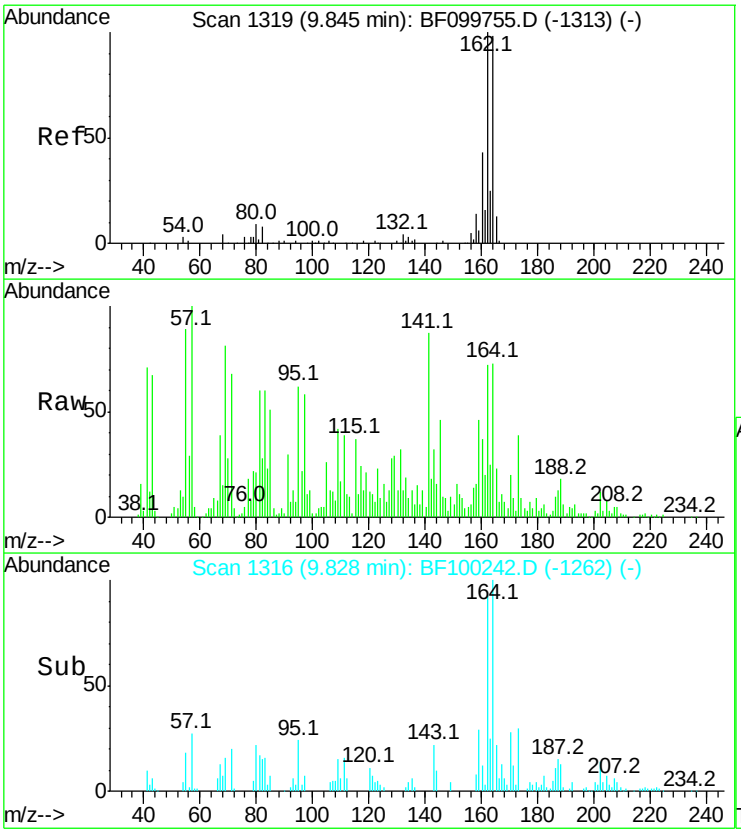
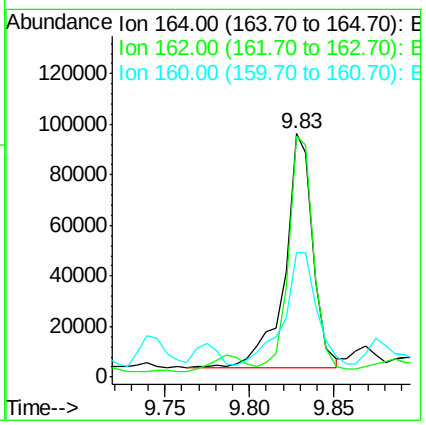
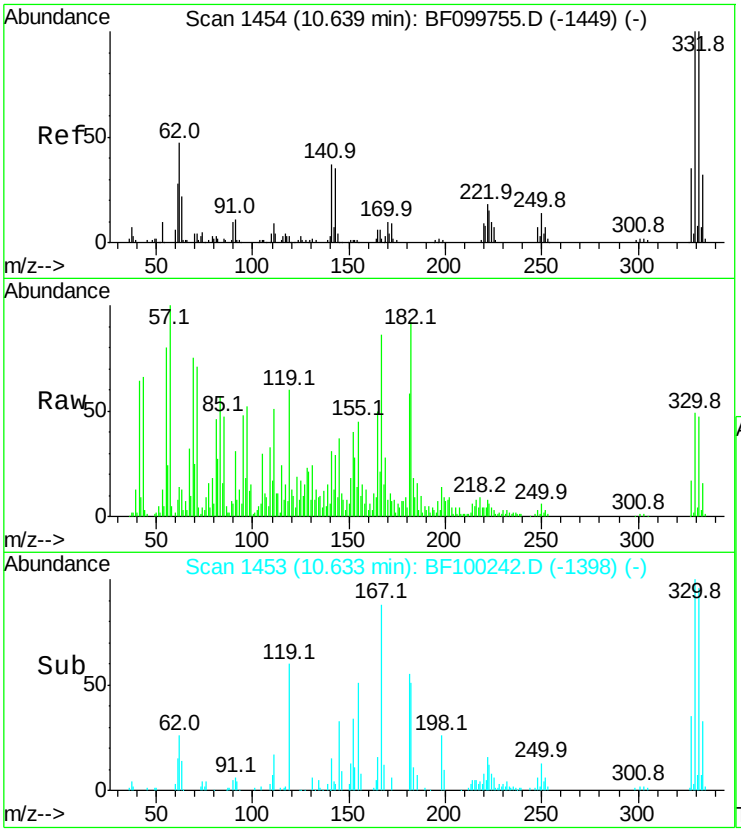


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.02 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:164 Resp: 108611

Ion	Ratio	Lower	Upper
164	100		
162	99.1	86.1	129.1
160	51.1	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 59.742 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.02 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:330 Resp: 59132

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	82.4	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
WASTE

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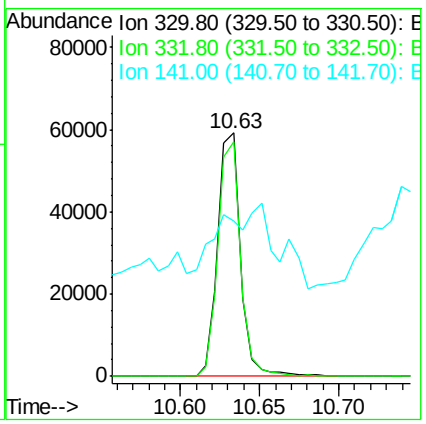
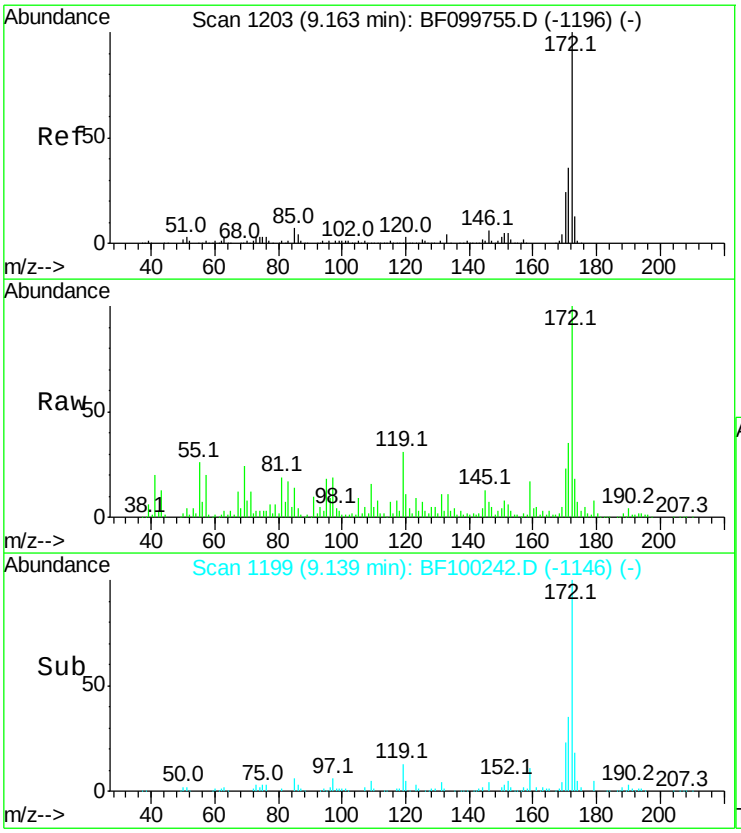
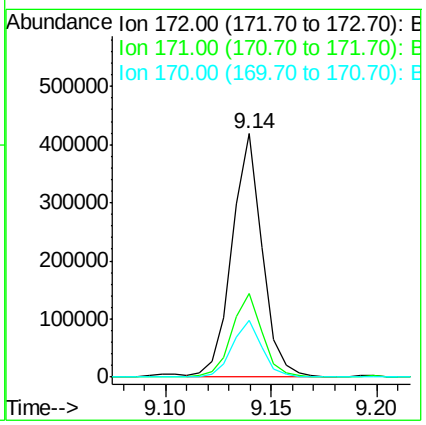


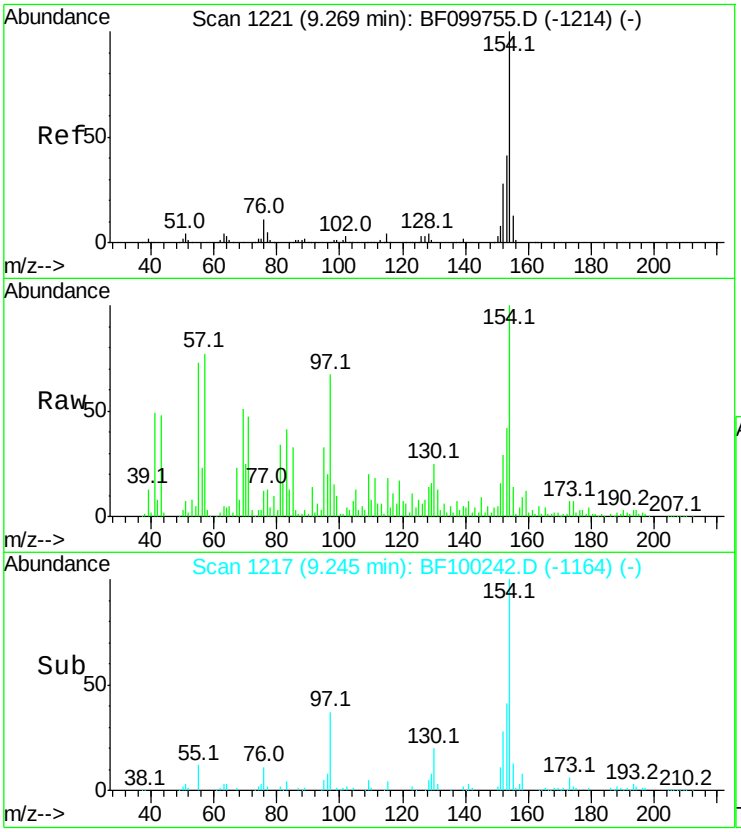


#44
2-Fluorobiphenyl
Concen: 58.110 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:172 Resp: 409074

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.1	19.6	29.4

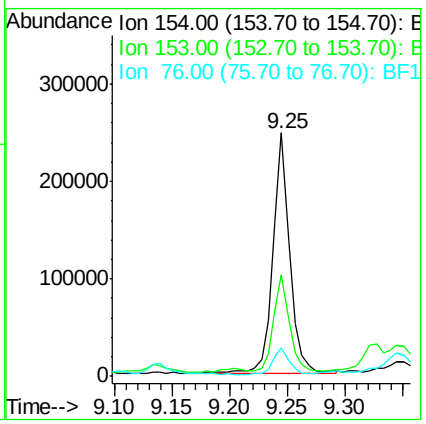




#45
1,1'-Biphenyl
Concen: 25.413 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:154 Resp: 249691

Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.3	61.3
76	11.8	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
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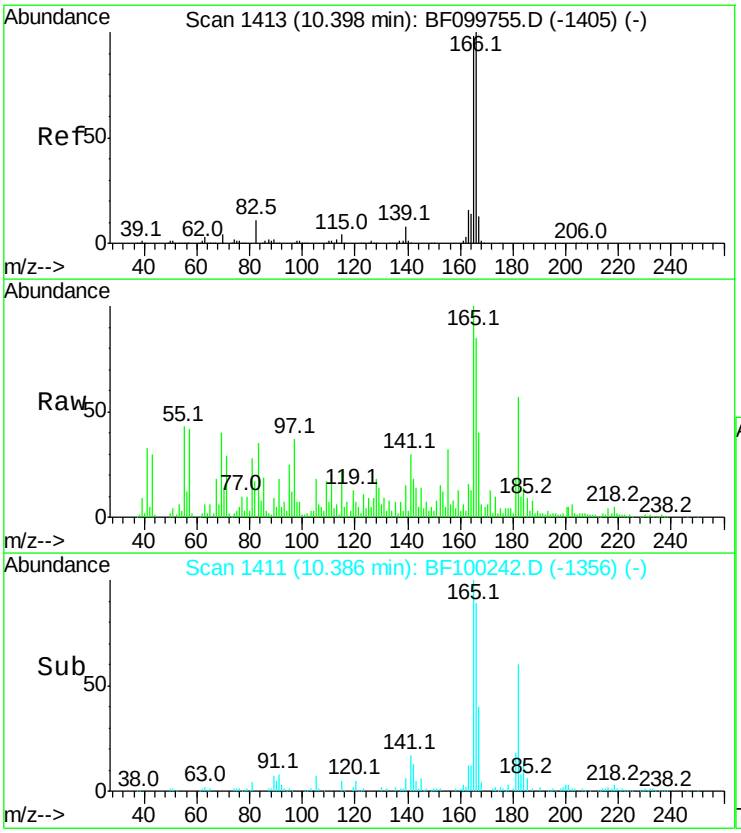
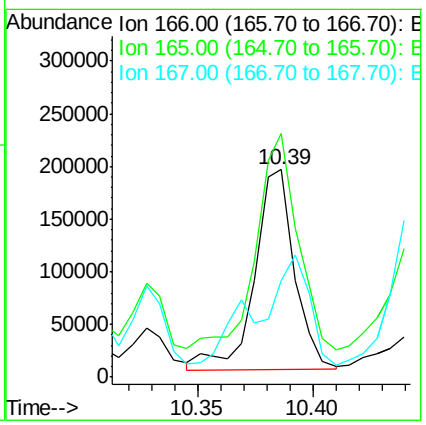
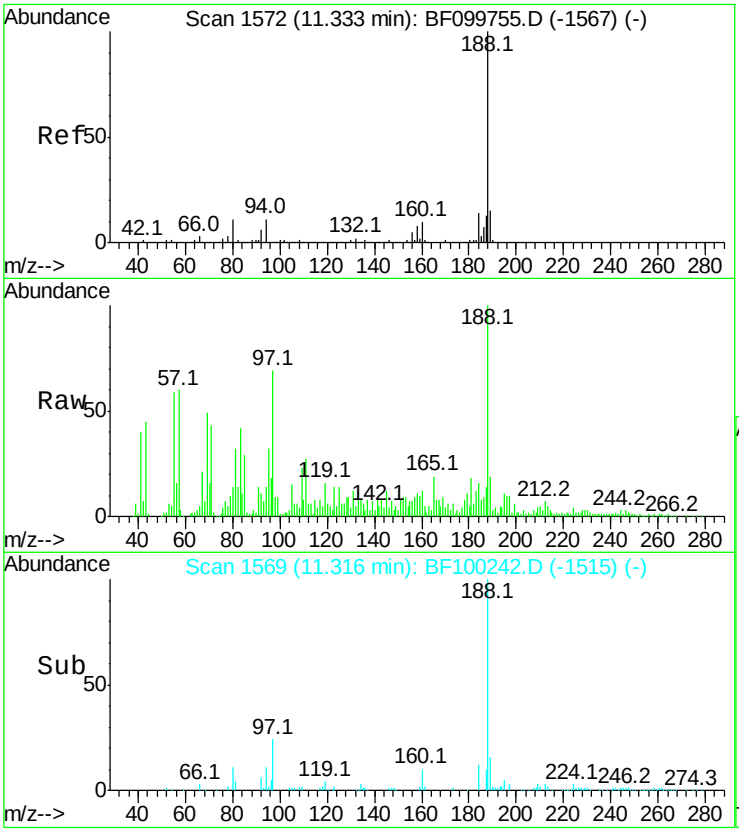


#57
Fluorene
Concen: 28.933 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.02 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:166 Resp: 227080

Ion	Ratio	Lower	Upper
166	100		
165	117.5	79.8	119.8
167	46.6	10.6	16.0#





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:188 Resp: 151381

Ion	Ratio	Lower	Upper
188	100		
94	14.3	8.5	12.7#
80	14.4	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
WASTE

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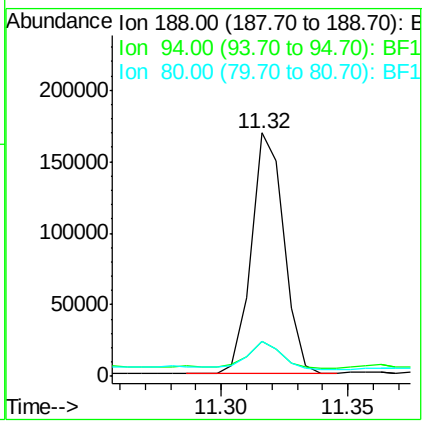
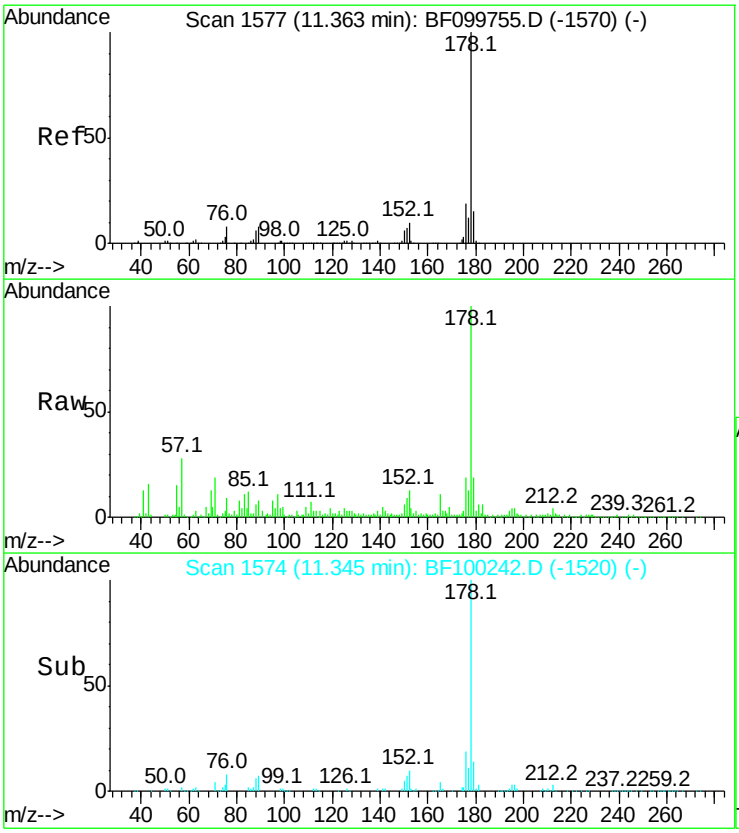
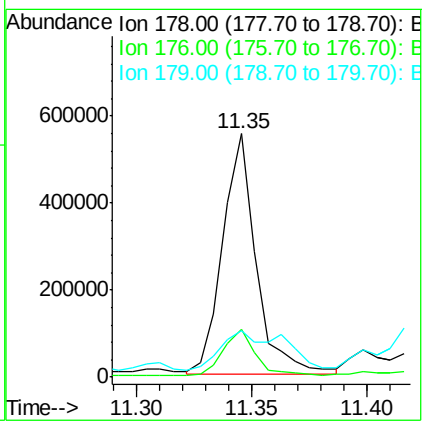


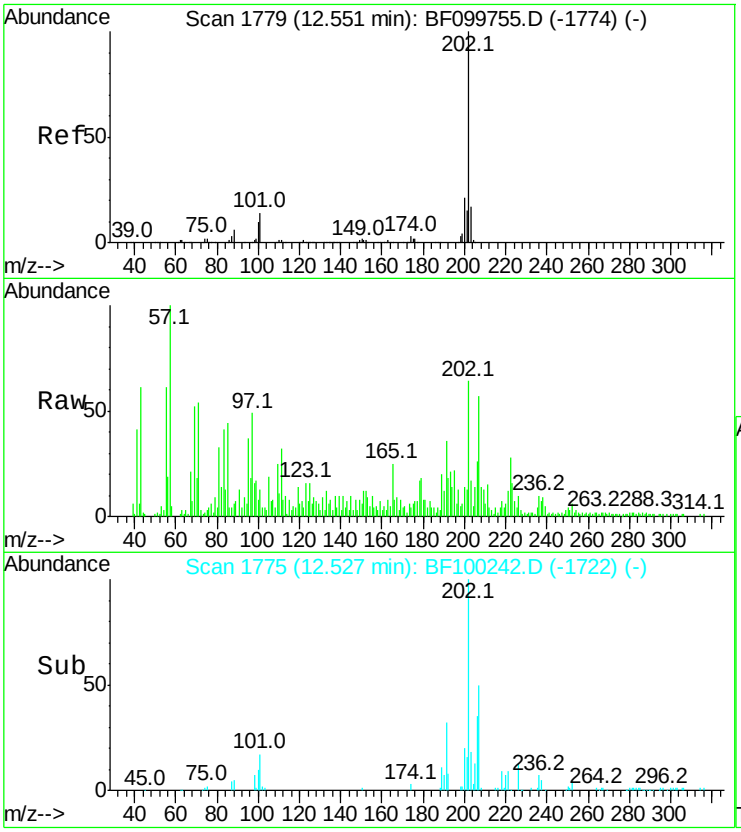


#70
Phenanthrene
Concen: 64.972 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.02 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:178 Resp: 555062

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	18.9	13.0	19.6

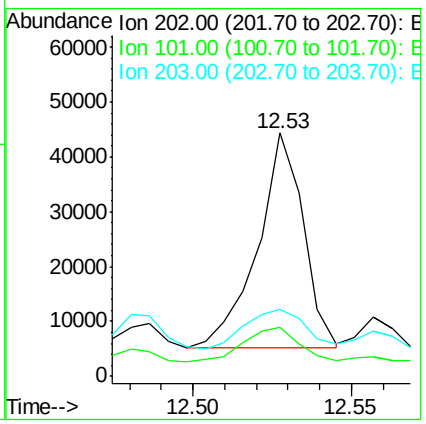




#74
Fluoranthene
Concen: 4.437 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:202 Resp: 39391

Ion	Ratio	Lower	Upper
202	100		
101	20.3	0.0	34.1
203	27.3	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
WASTE

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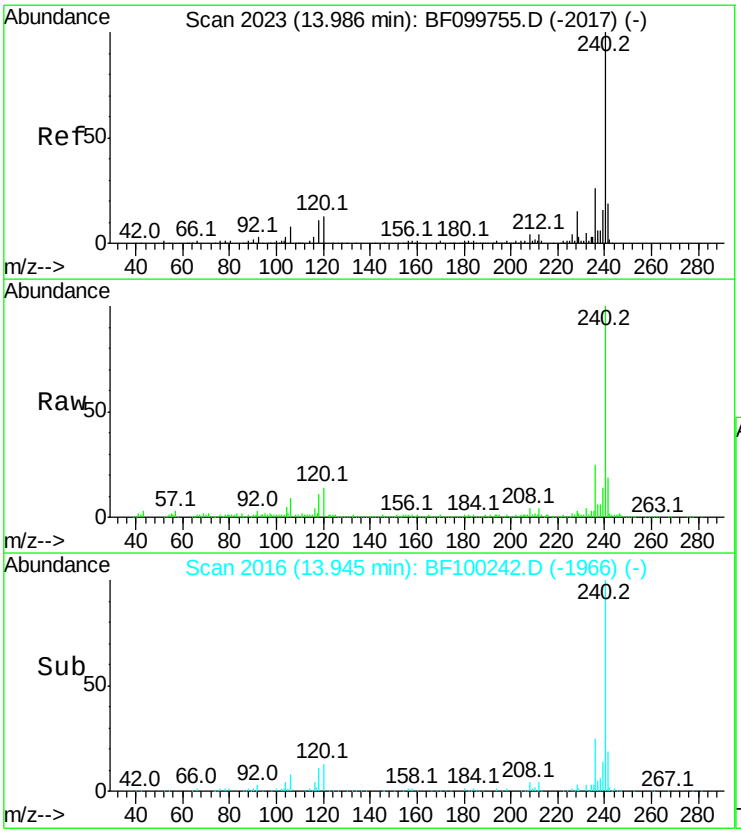
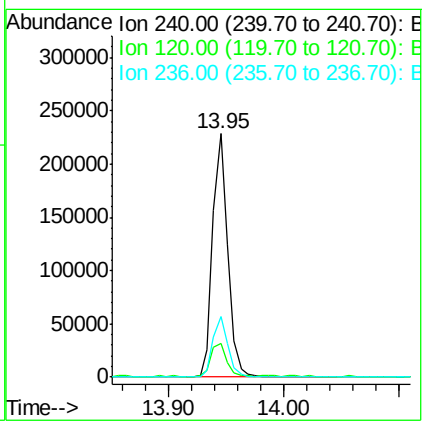
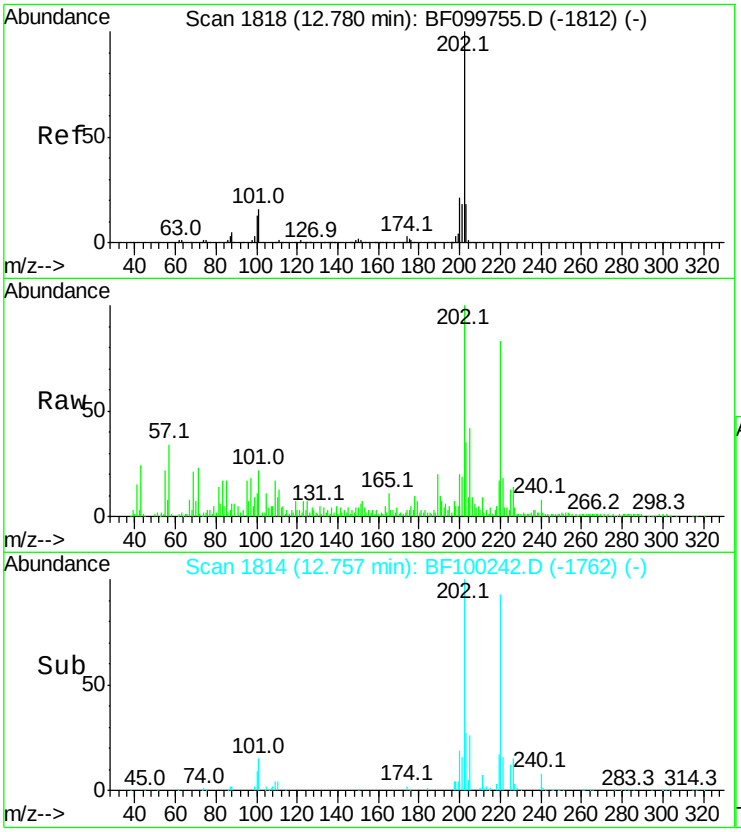


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:240 Resp: 208272

Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	25.0	20.7	31.1

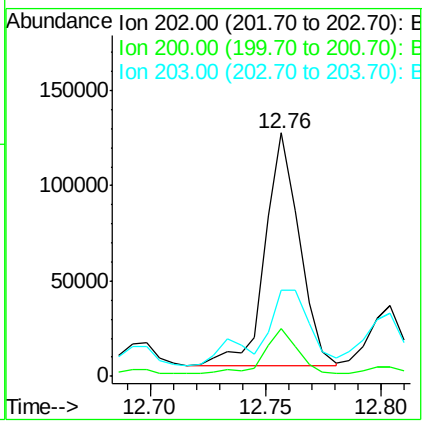




#77
Pyrene
Concen: 7.923 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:202 Resp: 125473

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.2
203	35.4	14.3	21.5#



Instrument :
BNA_F
ClientSampleId :
WASTE

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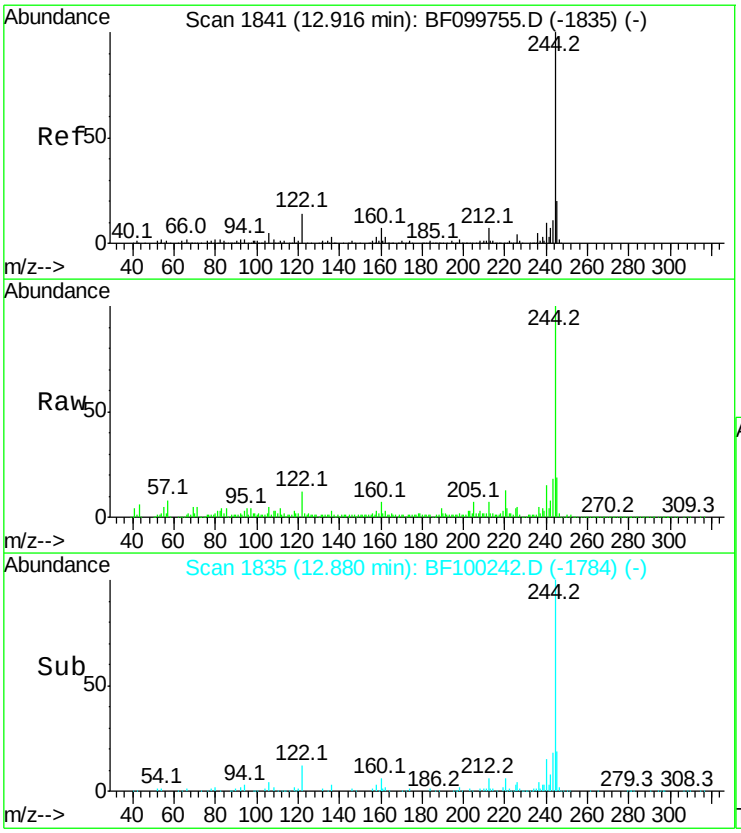
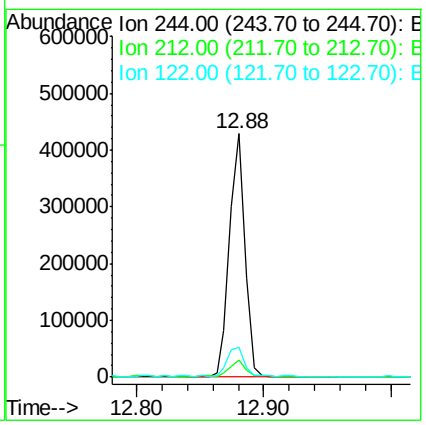
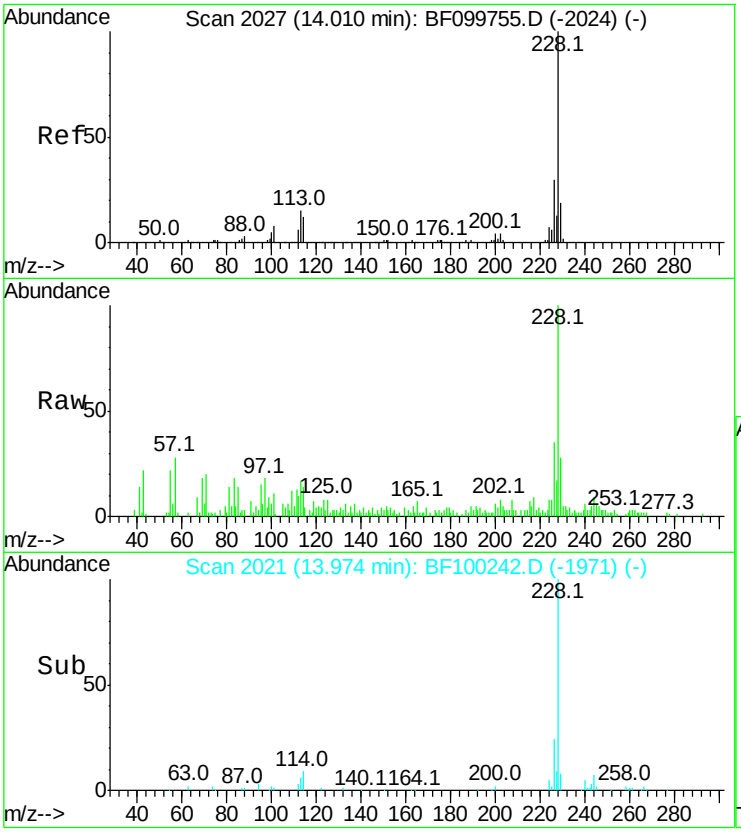


#78
Terphenyl-d14
Concen: 37.614 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:244 Resp: 358475

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.2	11.0	16.4

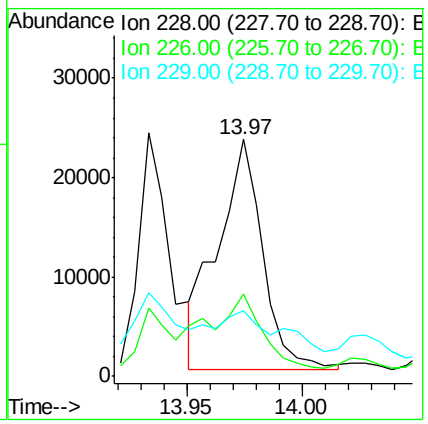




#82
Chrysene
Concen: 2.553 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

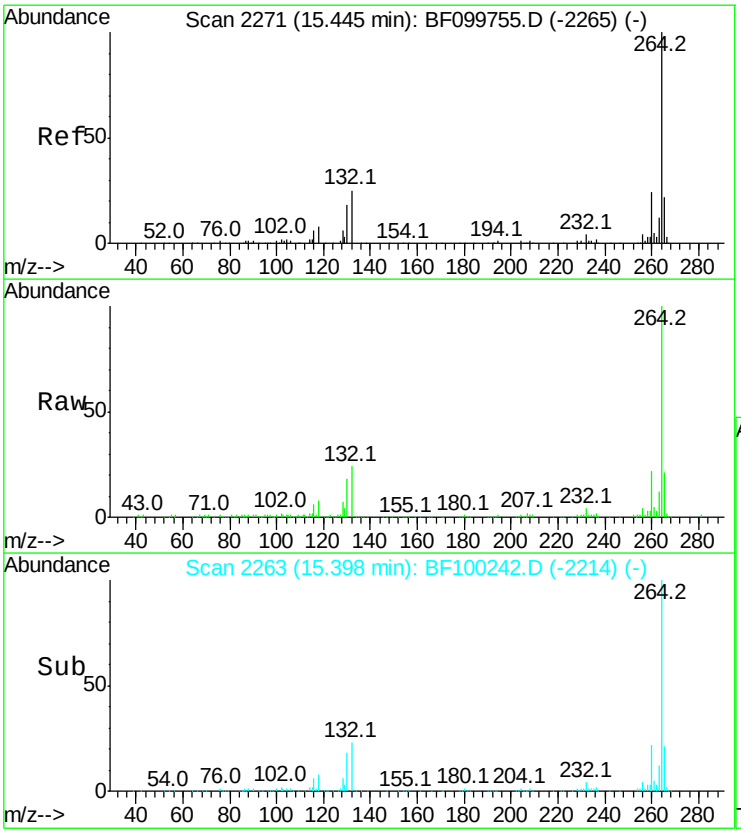
Tgt Ion:228 Resp: 31686

Ion	Ratio	Lower	Upper
228	100		
226	35.0	25.0	37.6
229	27.7	16.2	24.4#



Instrument :
BNA_F
ClientSampleId :
WASTE

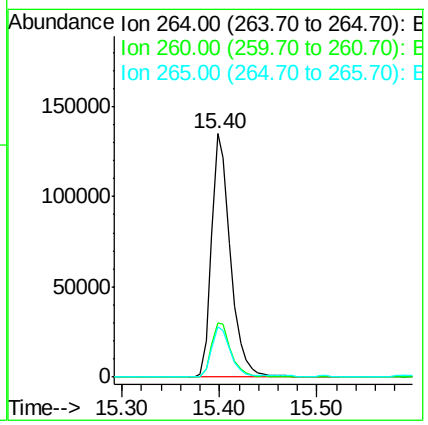
Manual Integrations APPROVED
Sohil
11/6/2017 2:33:47 PM

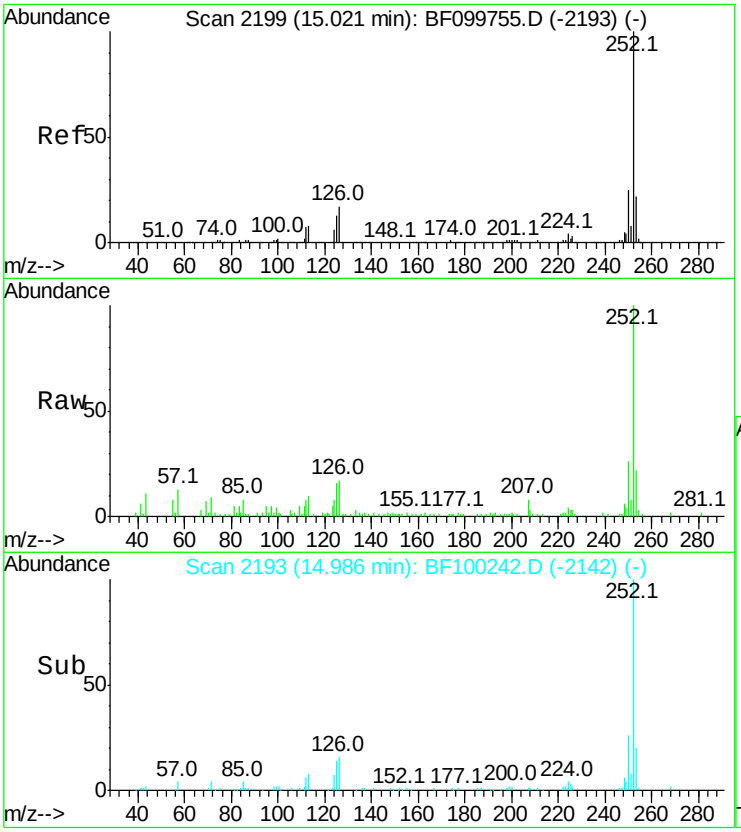


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:264 Resp: 180959

Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	20.5	17.5	26.3





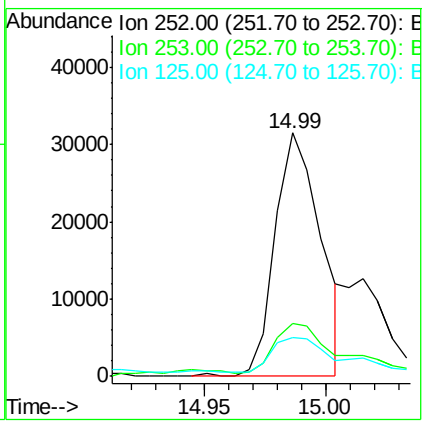
#87
Benzo(b)fluoranthene
Concen: 3.584 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

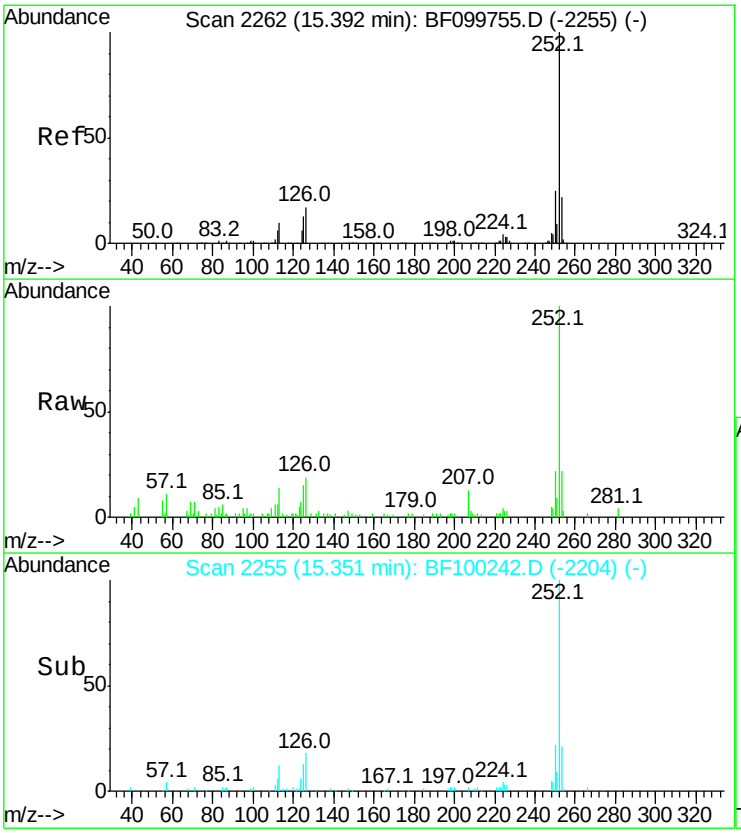
Tgt Ion:252 Resp: 40955

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	16.0	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
WASTE

Manual Integrations APPROVED
Sohil
11/6/2017 2:33:47 PM





#89
Benzo(a)pyrene
Concen: 2.724 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.00 min
Lab File: BF100242.D
Acq: 6 Nov 2017 1:18

Tgt Ion:252 Resp: 27962

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	14.9	9.8	14.6#