

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098359.D
 Acq On : 8 Sep 2017 19:15
 Operator : SJ/JU
 Sample : I5071-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G58A-0-2.5

Manual Integrations
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Sohil
 9/11/2017 4:47:41 PM

Quant Time: Sep 09 01:44:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	100426	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	361884	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	134661	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	217687	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	215227	20.00	ng	-0.03
86) Perylene-d12	15.24	264	163309	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	318334	48.22	ng	-0.02
7) Phenol-d6	6.32	99	465090	51.85	ng	-0.03
23) Nitrobenzene-d5	7.25	82	297623	44.68	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	37342	31.96	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	447379	48.81	ng	-0.03
78) Terphenyl-d14	12.78	244	310617	30.10	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.44	163	63791	6.481	ng	Qvalue 100
70) Phenanthrene	11.22	178	44463	3.833	ng	99
74) Fluoranthene	12.41	202	68461	5.654	ng	98
77) Pyrene	12.63	202	76006	4.318	ng	98
80) Benzo(a)anthracene	13.82	228	41742	3.236	ng	96
82) Chrysene	13.86	228	37497m	2.922	ng	
87) Benzo(b)fluoranthene	14.84	252	41045m	3.987	ng	
89) Benzo(a)pyrene	15.19	252	26095	2.864	ng	# 75

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

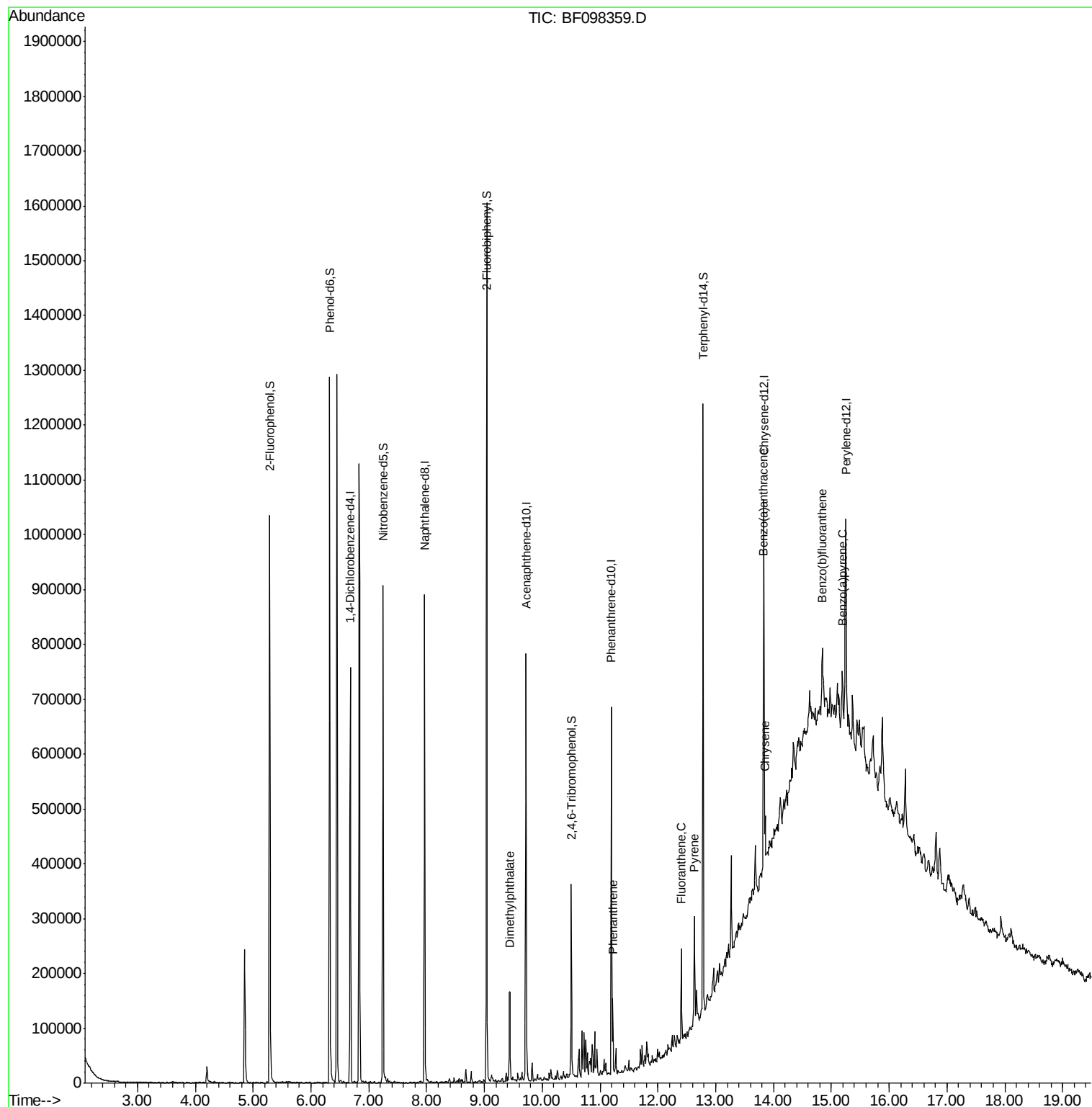
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098359.D
Acq On : 8 Sep 2017 19:15
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Misc :
ALS Vial : 14 Sample Multiplier: 1

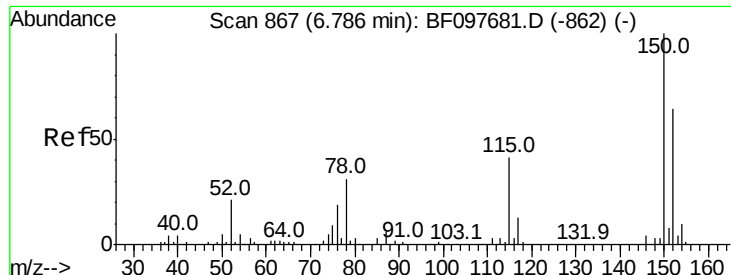
Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

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Quant Time: Sep 09 01:44:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

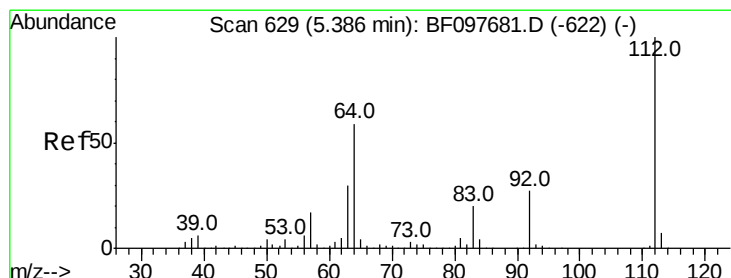
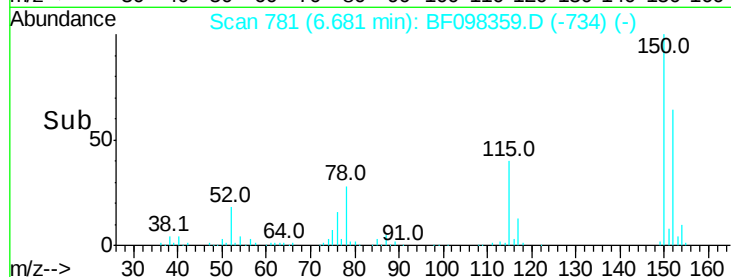
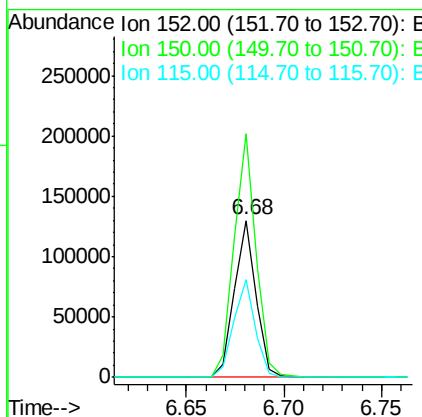
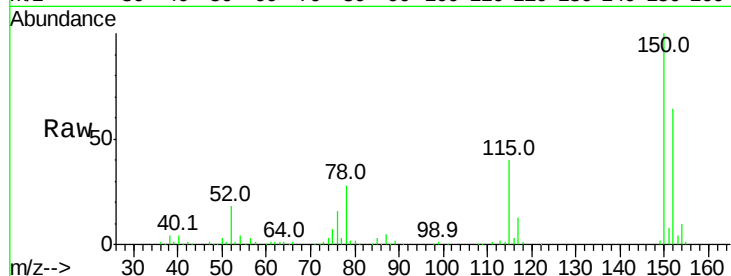
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Instrument :
BNA_F
ClientSampled :
G58A-0-2.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	62.0	52.2	78.2

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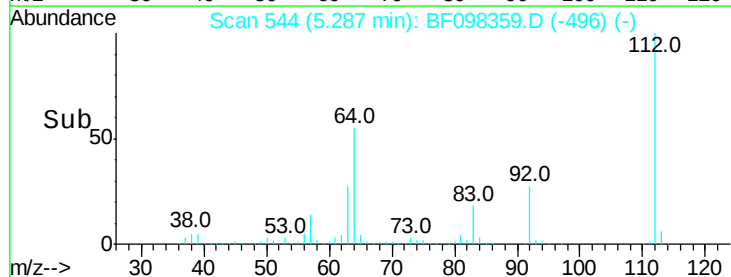
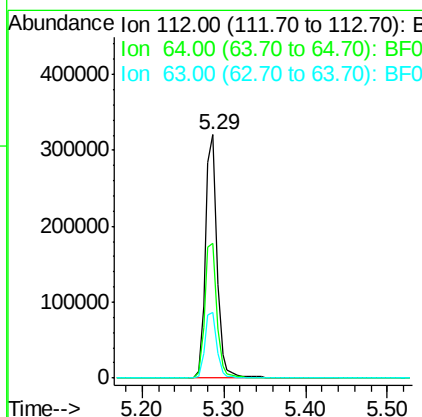
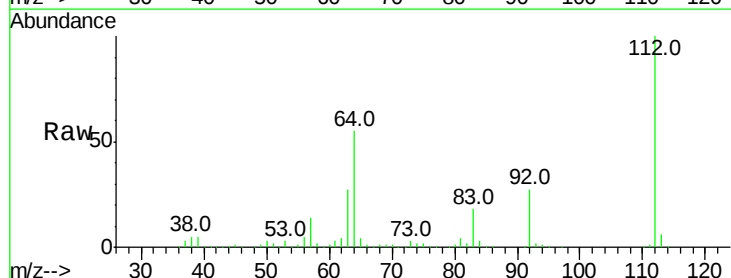
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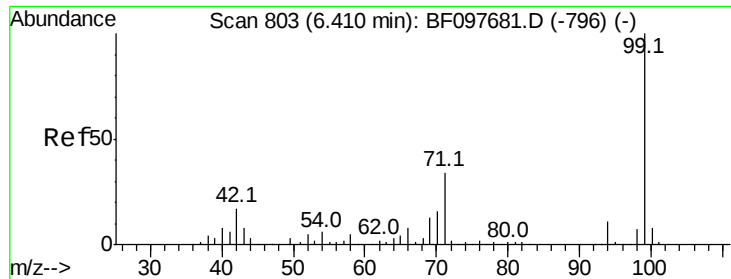


#5

2-Fluorophenol
Concen: 48.216 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	27.1	23.4	35.0





#7

Phenol-d6

Concen: 51.846 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

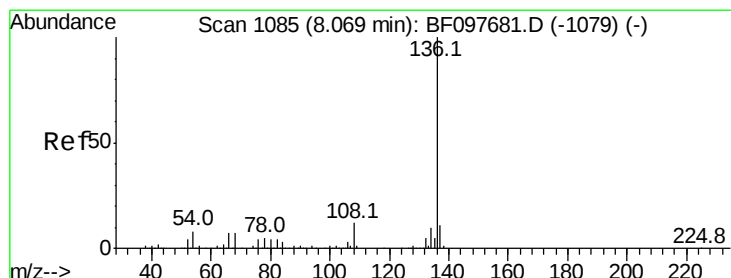
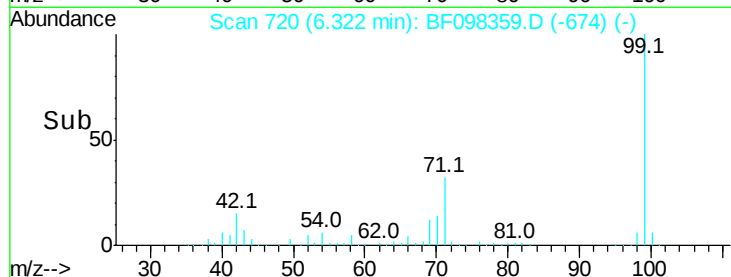
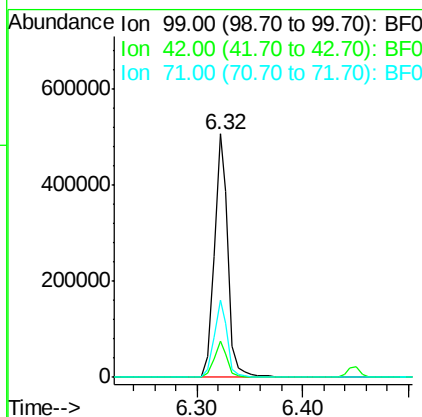
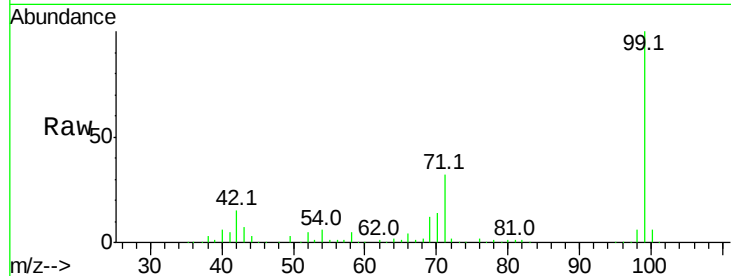
ClientSampleId :

G58A-0-2.5

Tot Ion:	99	Resp:	465090
Ion Ratio	Lower	Upper	
99	100		
42	14.7	13.5	20.3
71	31.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

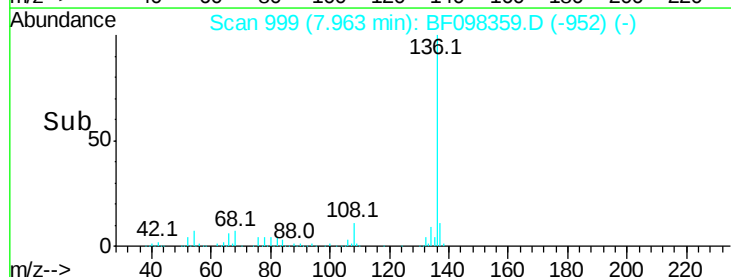
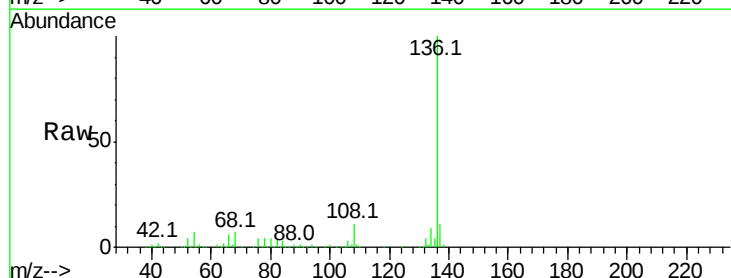
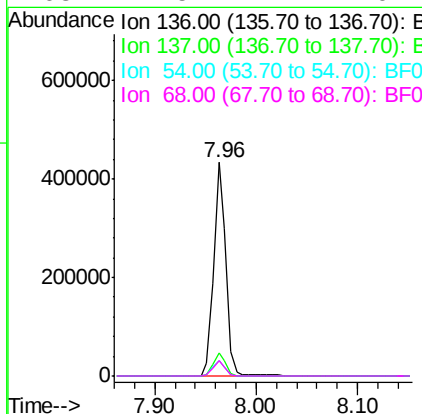
RT: 7.96 min Scan# 999

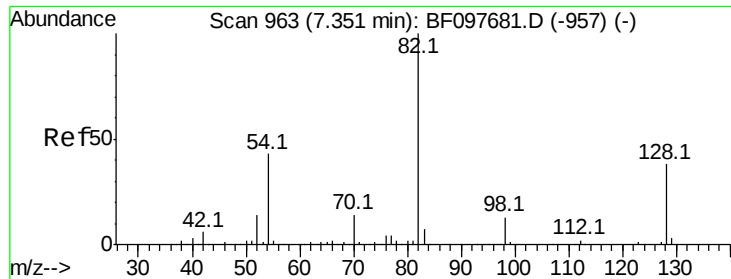
Delta R.T. -0.02 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Tgt Ion:	136	Resp:	361884
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.3	4.9	7.3
68	7.5	4.1	6.1#





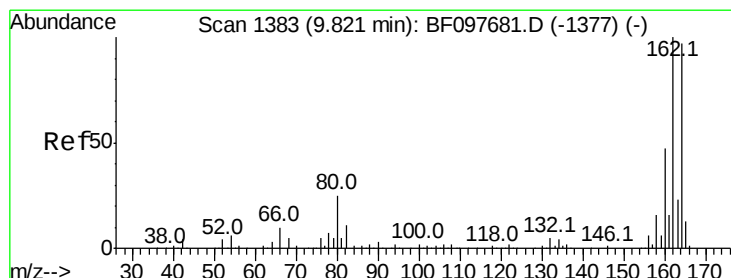
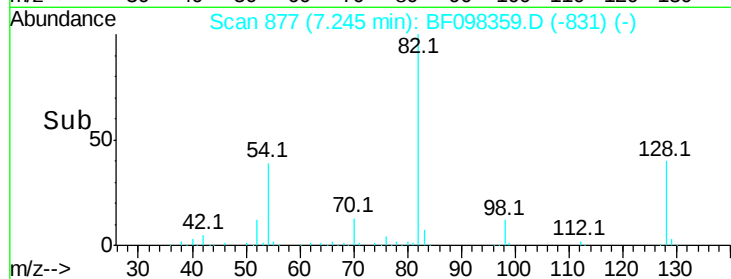
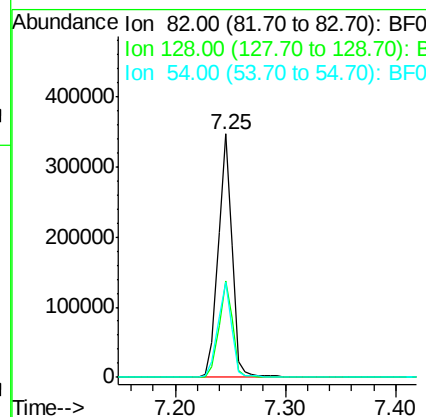
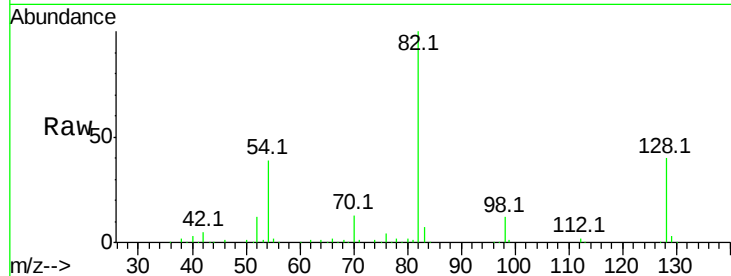
#23
 Nitrobenzene-d5
 Concen: 44.678 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.03 min
 Lab File: BF098359.D
 Acq: 8 Sep 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 G58A-0-2.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.7	34.0	51.0	
54	39.1	42.2	63.2	

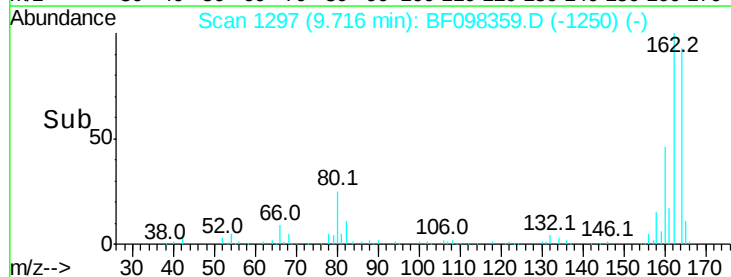
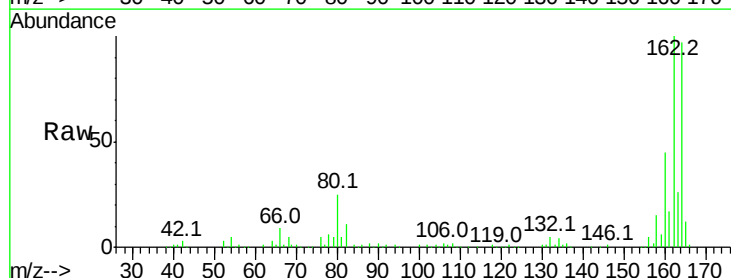
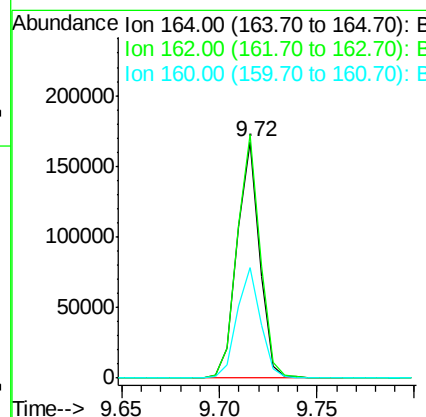
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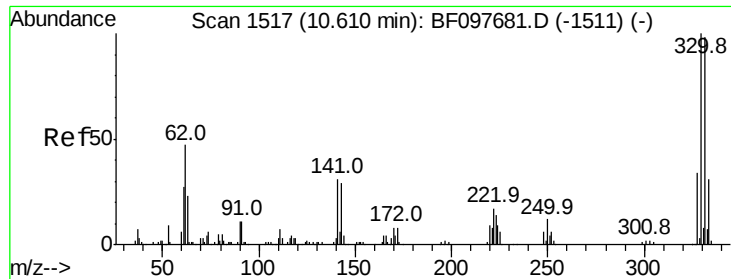
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF098359.D
 Acq: 8 Sep 2017 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	82.6	123.8	
160	46.7	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 31.960 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

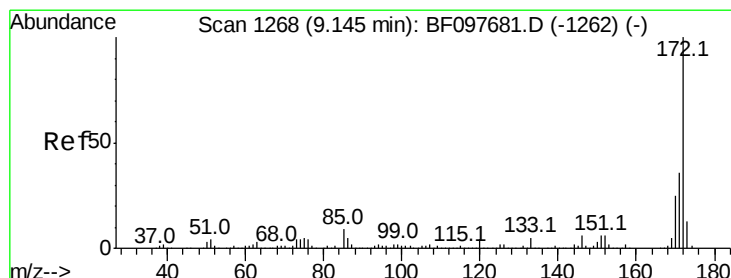
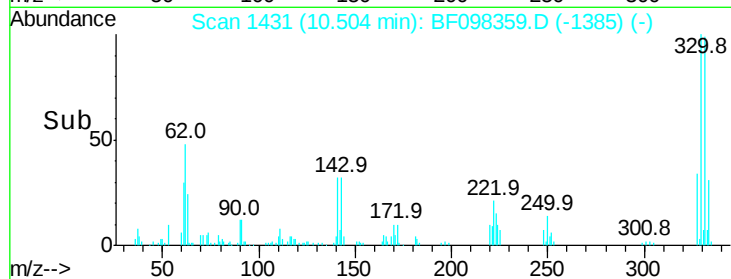
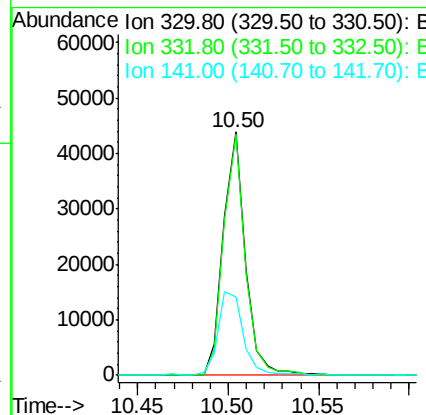
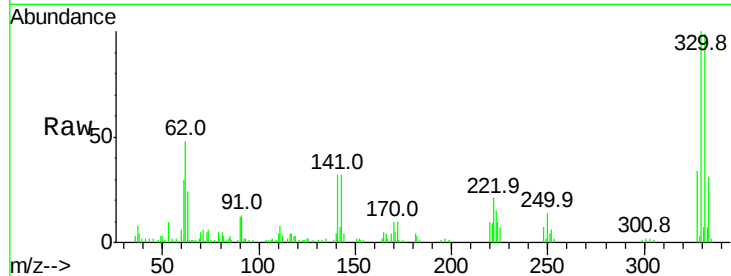
ClientSampleId :

G58A-0-2.5

Tot Ion:	330	Resp:	37342
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	115.0
141	39.5	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 48.811 ng

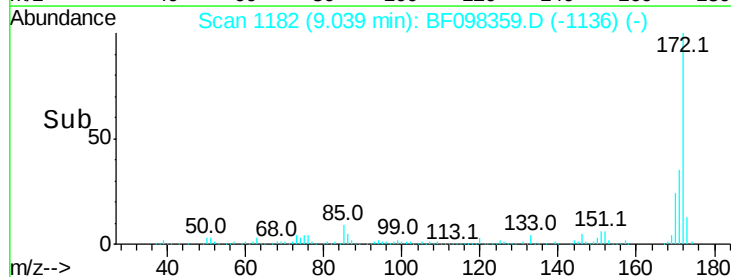
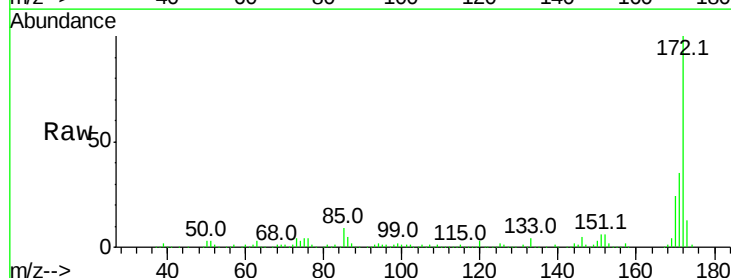
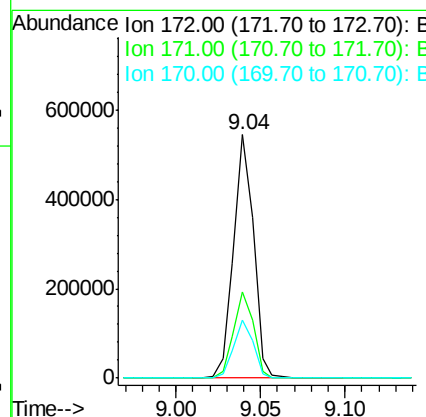
RT: 9.04 min Scan# 1182

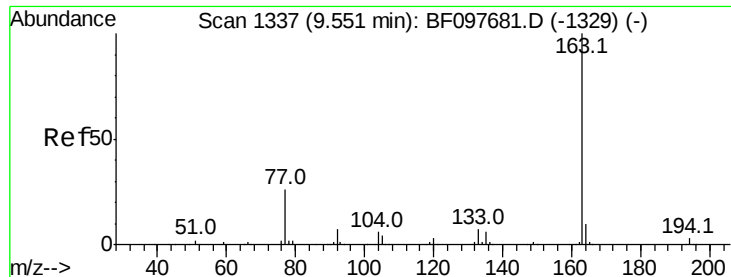
Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Tgt Ion:	172	Resp:	447379
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.6	44.4
170	24.1	19.8	29.8





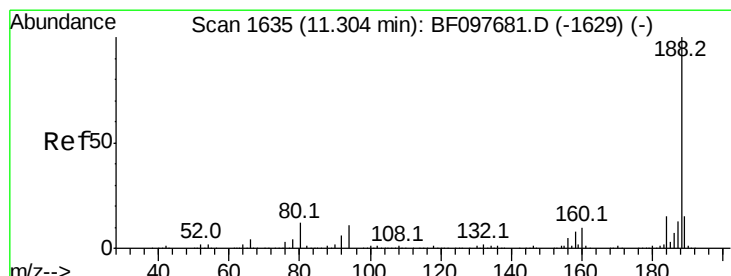
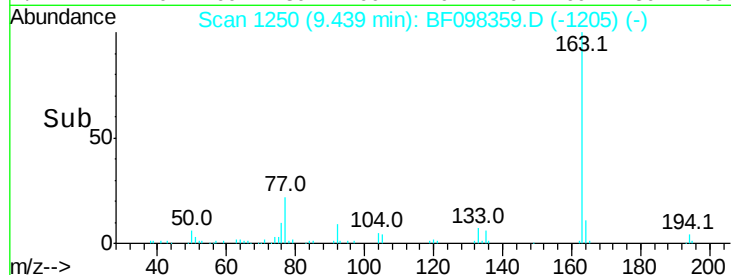
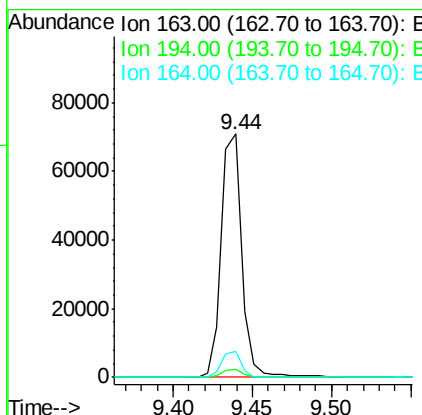
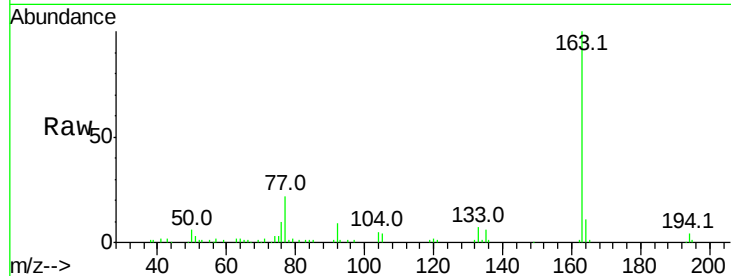
#49
Dimethylphthalate
Concen: 6.481 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.6	8.4	12.6

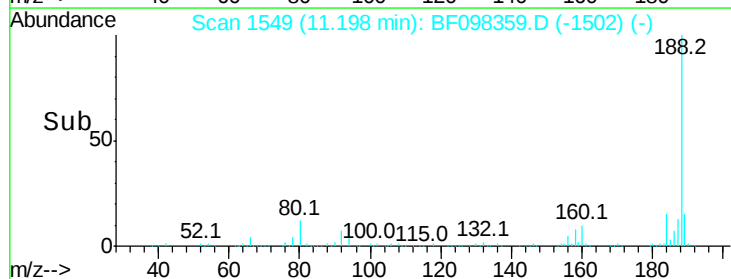
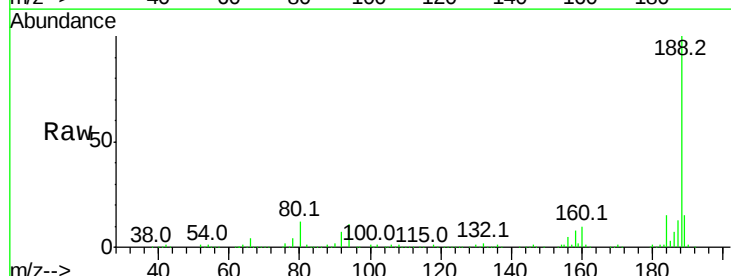
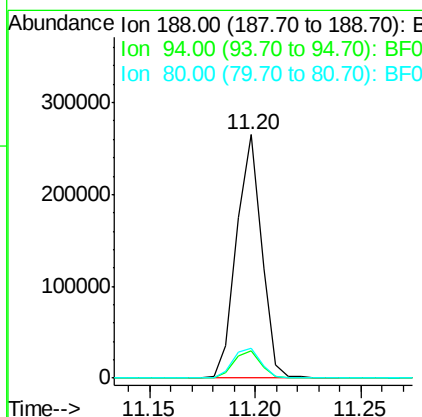
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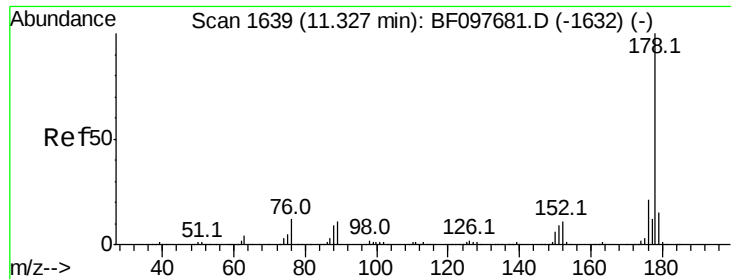
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	12.0	10.2	15.2





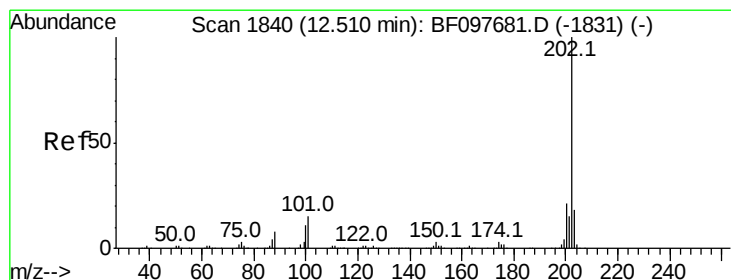
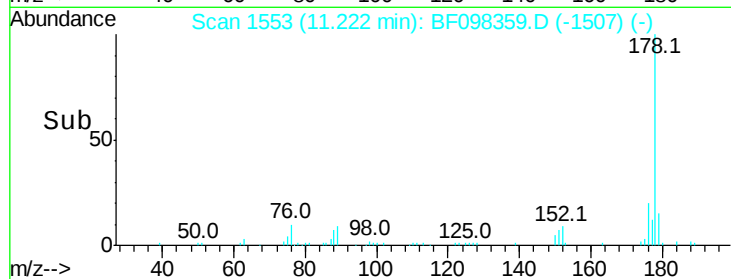
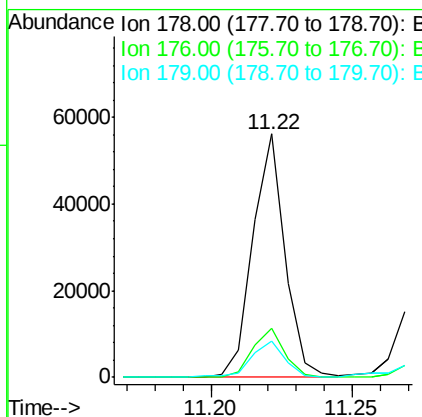
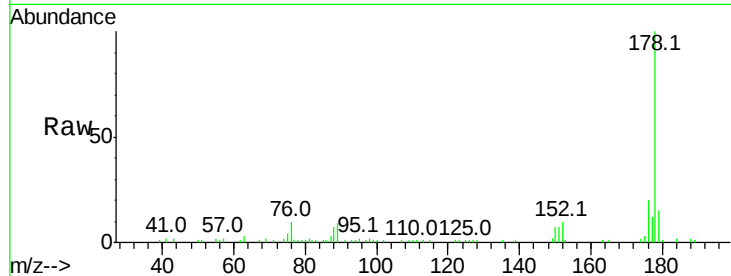
#70
Phenanthrene
Concen: 3.833 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.03 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	14.9	12.6	19.0

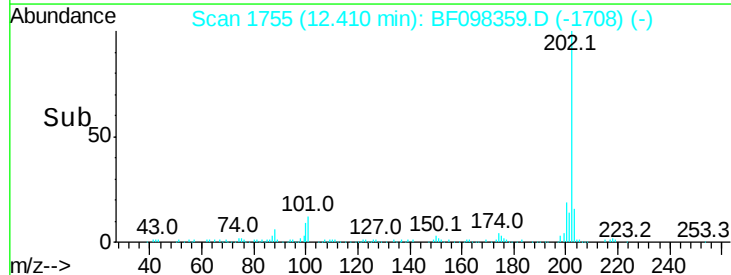
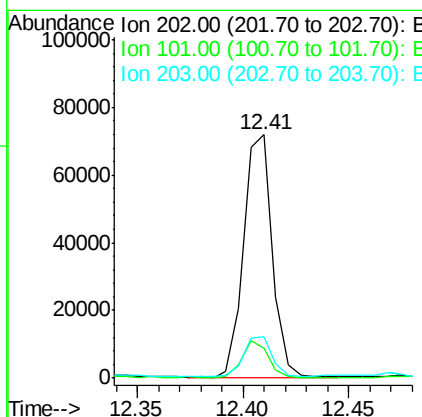
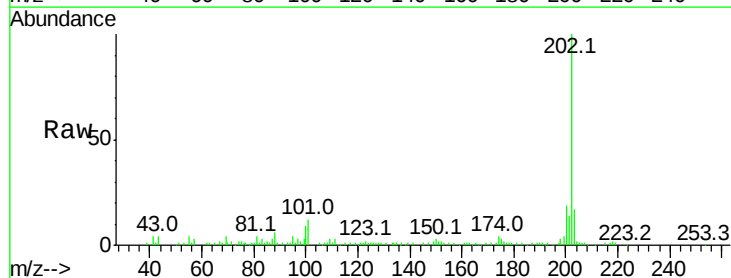
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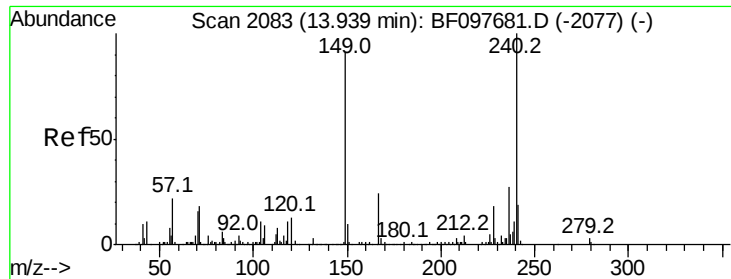
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#74
Fluoranthene
Concen: 5.654 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

Tot Ion:240 Resp: 215227
Ion Ratio Lower Upper

240 100

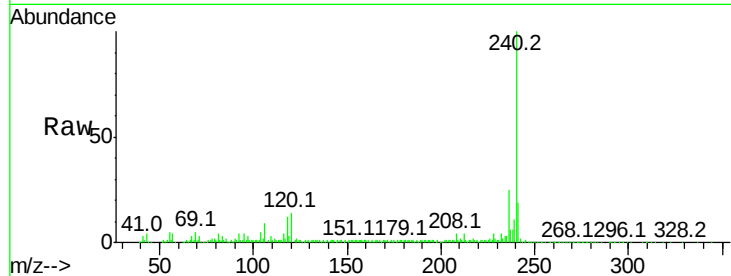
120 13.7 5.8 8.8#

236 25.2 20.5 30.7

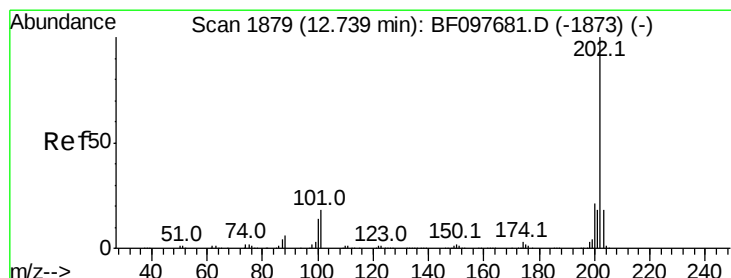
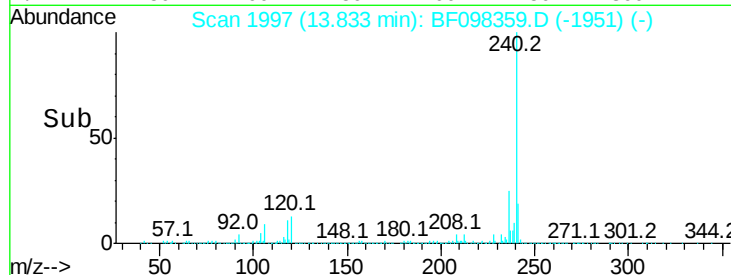
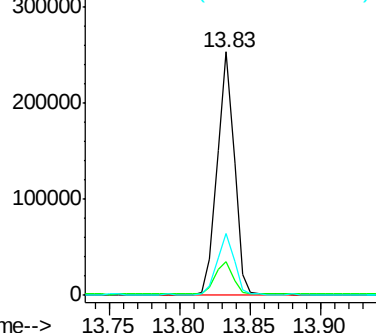
Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.318 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.03 min

Lab File: BF098359.D

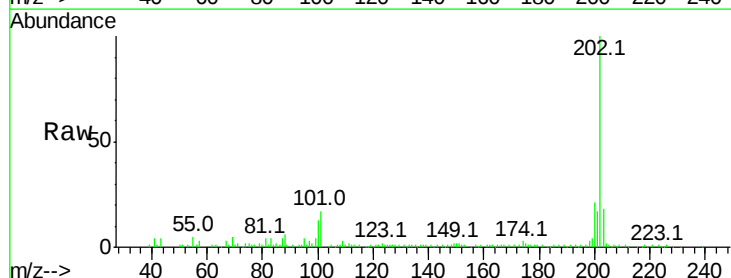
Acq: 8 Sep 2017 19:15

Tgt Ion:202 Resp: 76006
Ion Ratio Lower Upper

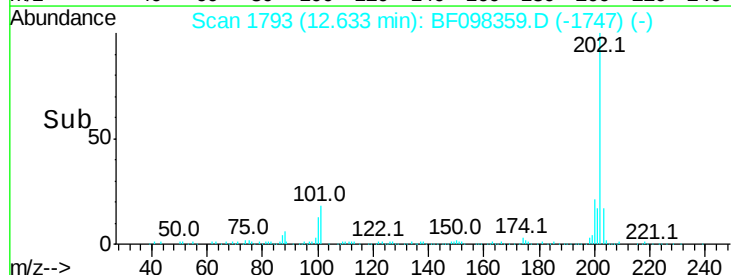
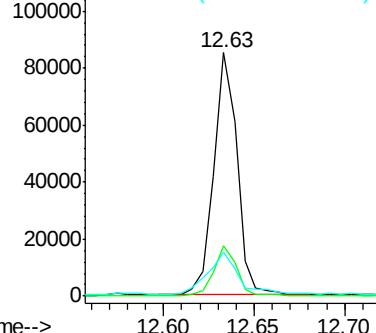
202 100

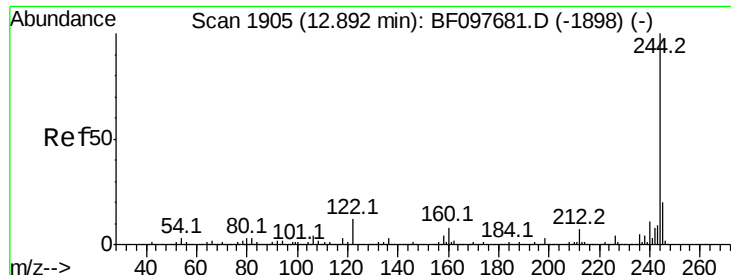
200 20.5 17.6 26.4

203 17.9 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





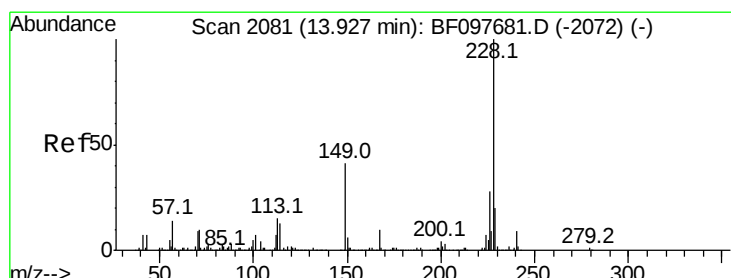
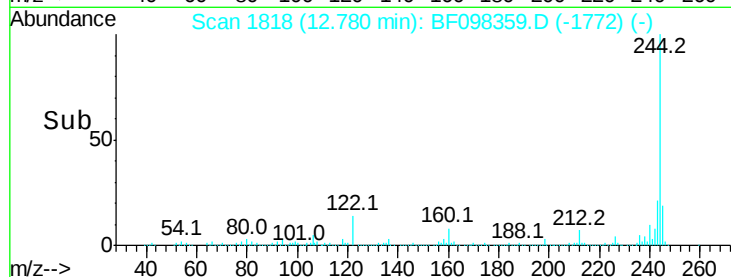
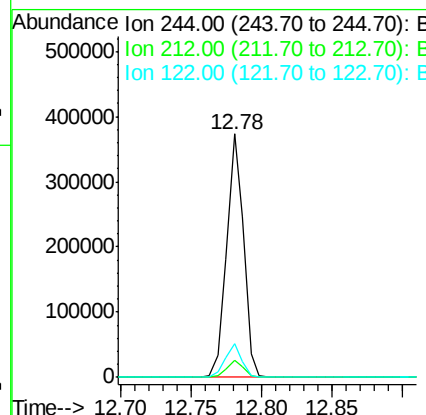
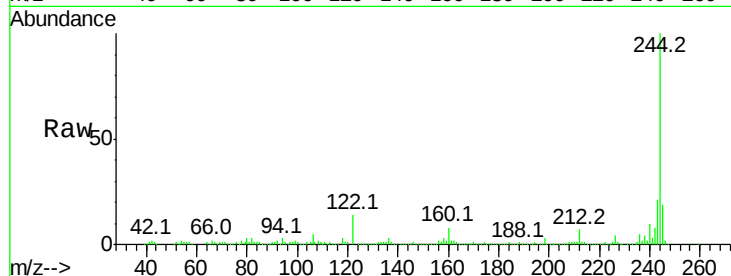
#78
 Terphenyl-d14
 Concen: 30.096 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.03 min
 Lab File: BF098359.D
 Acq: 8 Sep 2017 19:15

Instrument :
 BNA_F
 ClientSampled :
 G58A-0-2.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.7	10.3	15.5

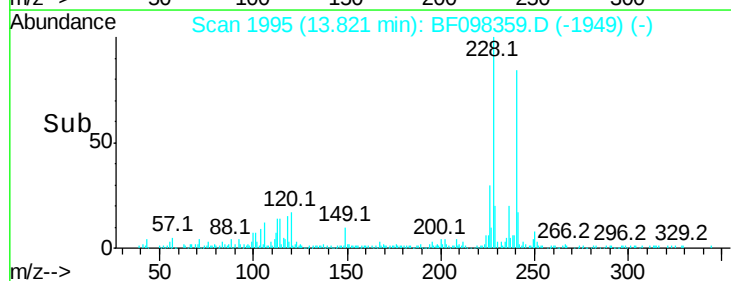
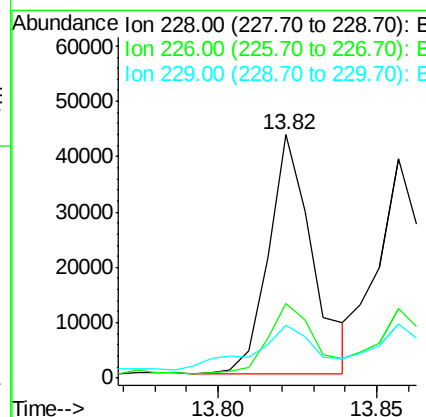
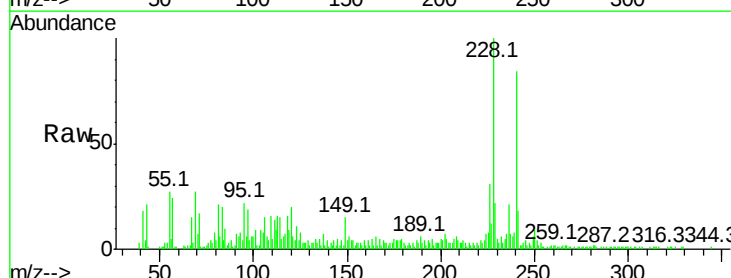
Manual Integrations
 APPROVED

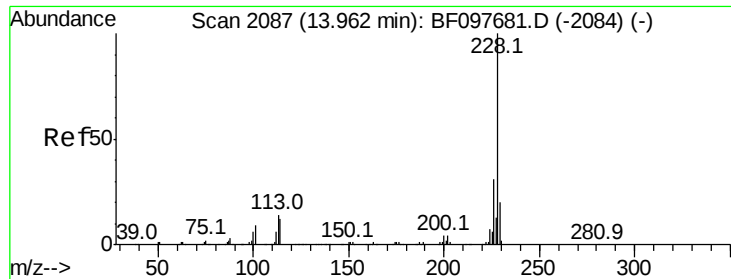
Sohil
 9/11/2017 4:47:41 PM



#80
 Benzo(a)anthracene
 Concen: 3.236 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.03 min
 Lab File: BF098359.D
 Acq: 8 Sep 2017 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	21.8	16.3	24.5





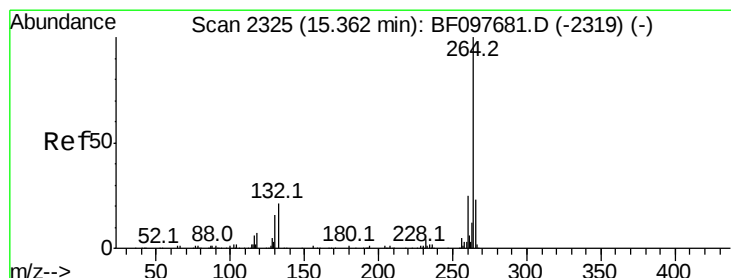
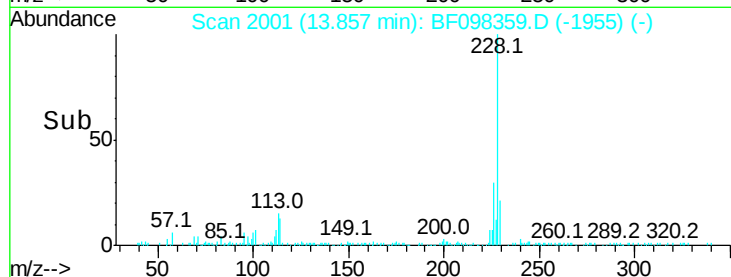
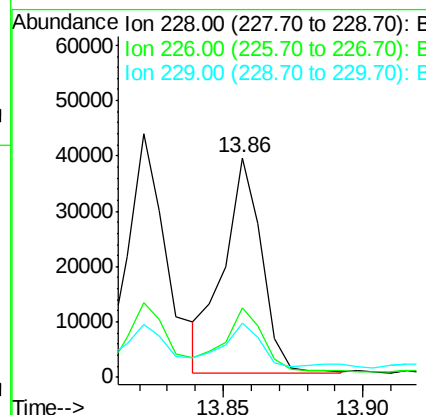
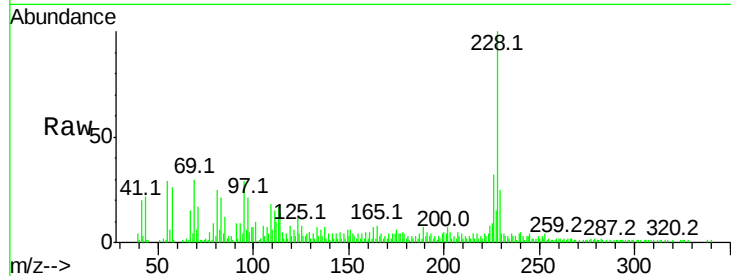
#82
Chrysene
Concen: 2.922 ng/ml
RT: 13.86 min Scan# 2001
Delta R.T. -0.03 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	24.7	15.8	23.6

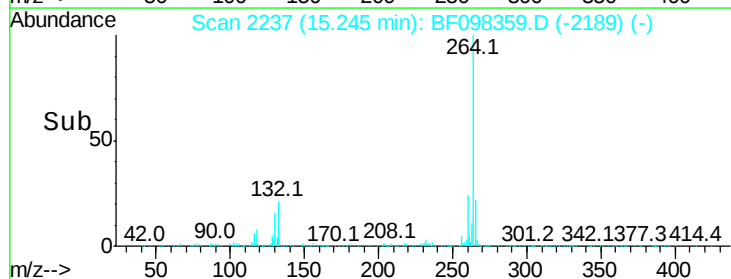
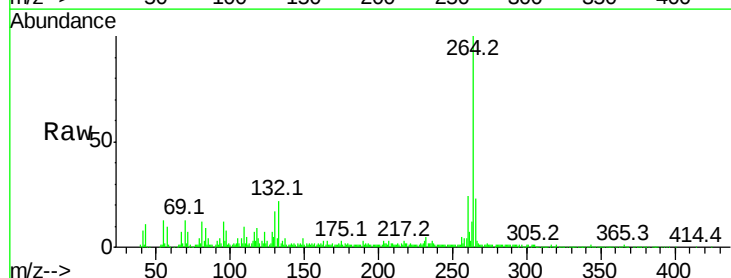
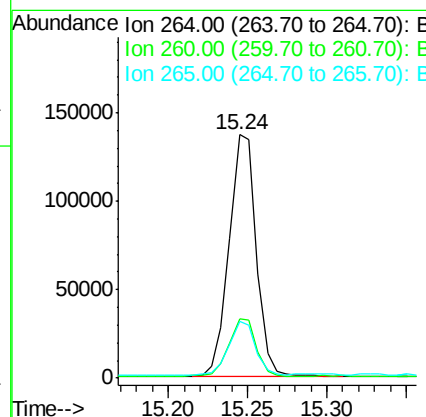
Manual Integrations
APPROVED

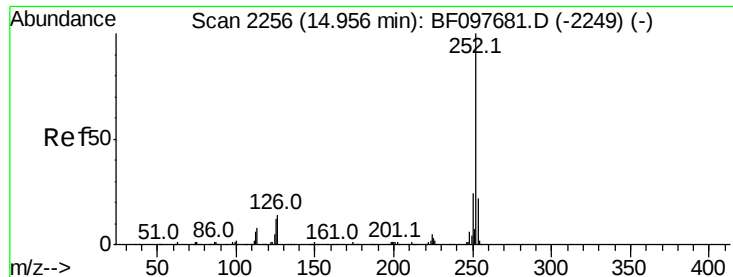
Sohil
9/11/2017 4:47:41 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	23.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.987 ng/mL

RT: 14.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

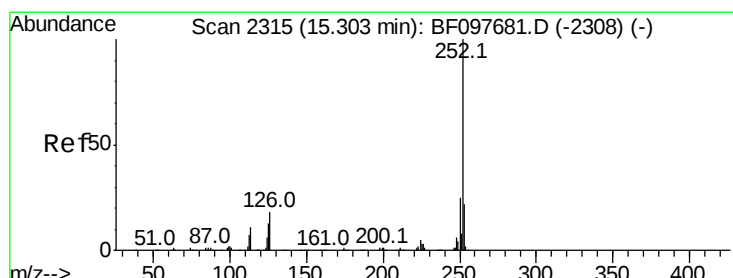
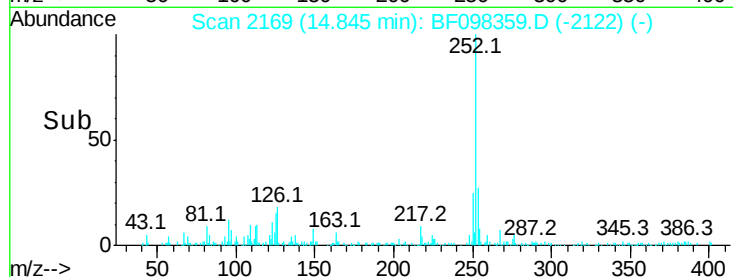
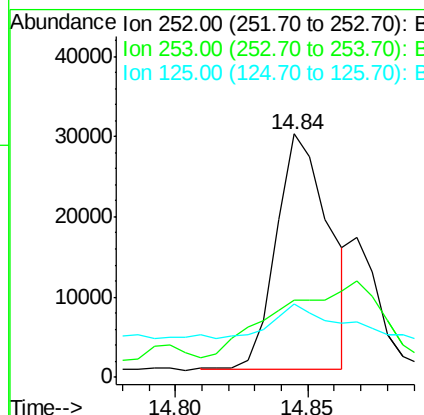
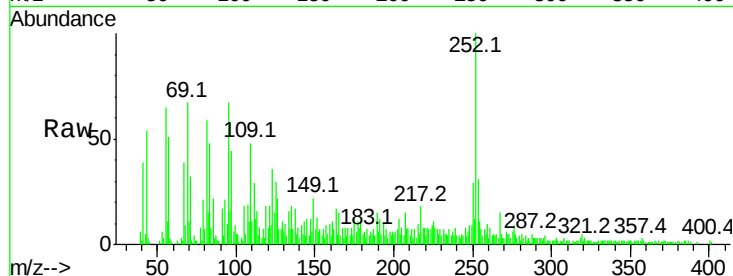
ClientSampled :

G58A-0-2.5

Tot Ion:	252	Resp:	41045
Ion Ratio	Lower	Upper	
252	100		
253	31.5	18.1	27.1#
125	30.1	9.8	14.8#

Manual Integrations
APPROVED

Sohil
9/11/2017 4:47:41 PM



#89

Benzo(a)pyrene

Concen: 2.864 ng/mL

RT: 15.19 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Tgt Ion:	252	Resp:	26095
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.5	26.3#
125	32.5	11.0	16.4#

