

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\
 Data File : BF100554.D
 Acq On : 14 Nov 2017 20:30
 Operator : SJ/JU
 Sample : I6441-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11A-11B

Manual Integrations
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Quant Time: Nov 15 02:48:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 14:17:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	109082	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	378769	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	137191	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	252948	20.00	ng	0.00
75) Chrysene-d12	14.04	240	260067	20.00	ng	0.00
86) Perylene-d12	15.52	264	184153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	142103	20.88	ng	0.00
7) Phenol-d6	6.50	99	167233	19.93	ng	-0.01
23) Nitrobenzene-d5	7.44	82	92674	16.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	25766	18.43	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	140898	15.64	ng	0.00
78) Terphenyl-d14	12.99	244	117350	10.37	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	52650	3.953	ng	98
74) Fluoranthene	12.62	202	119381	8.458	ng	100
77) Pyrene	12.85	202	121487	6.553	ng	97
80) Benzo(a)anthracene	14.03	228	67144	4.287	ng	94
82) Chrysene	14.07	228	55268	3.644	ng	98
87) Benzo(b)fluoranthene	15.09	252	58490m	5.361	ng	
89) Benzo(a)pyrene	15.46	252	40514	4.189	ng	# 90
91) Benzo(g,h,i)perylene	17.45	276	24911	3.217	ng	# 92

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

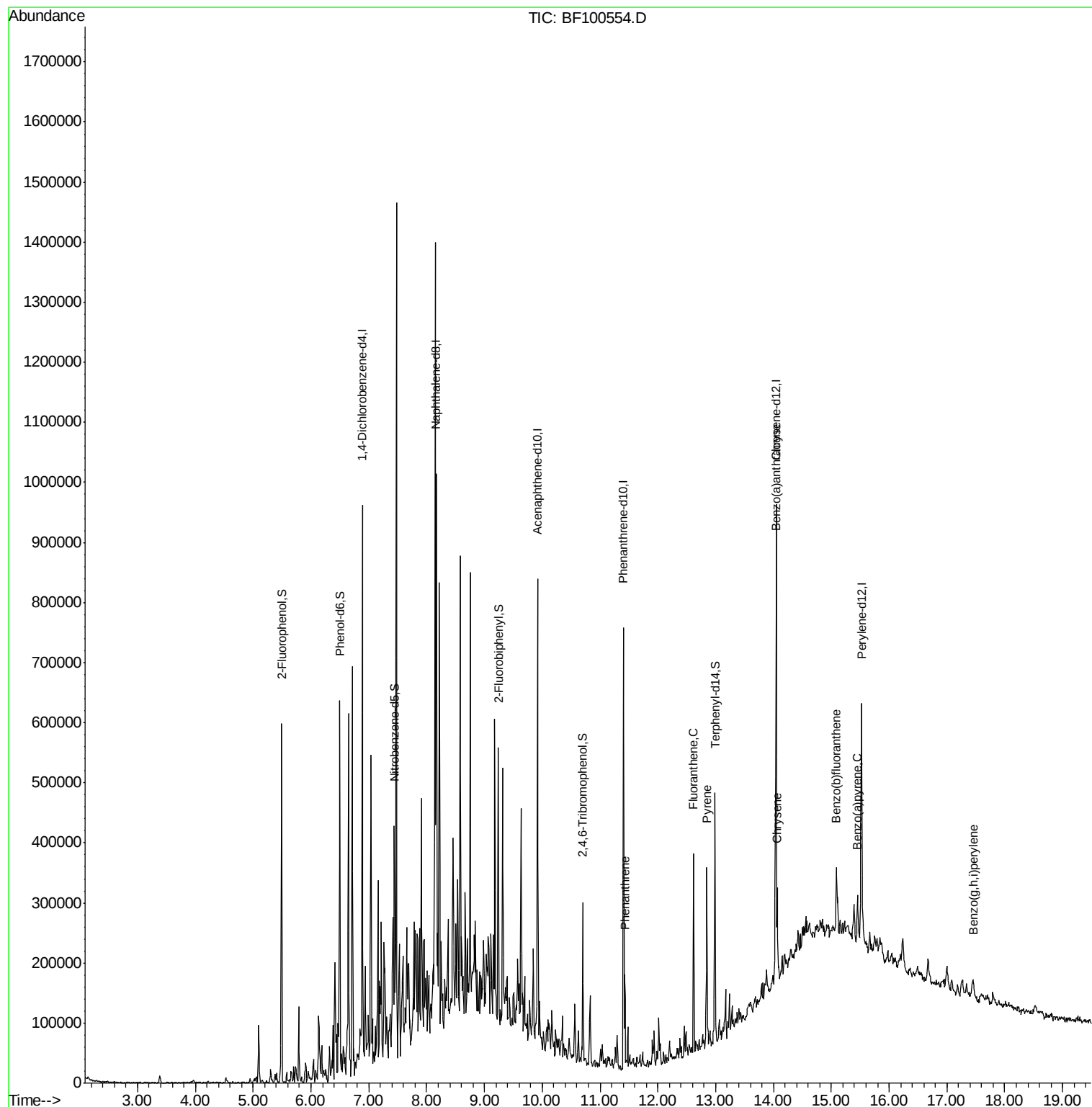
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100554.D
Acq On : 14 Nov 2017 20:30
Operator : SJ/JU
Sample : I6441-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

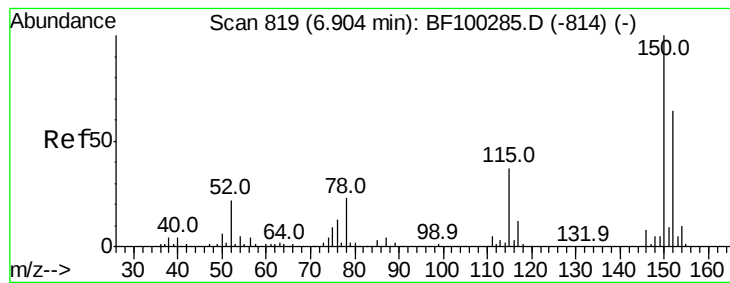
Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

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Quant Time: Nov 15 02:48:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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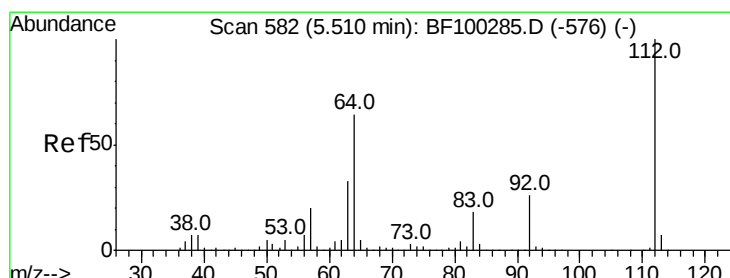
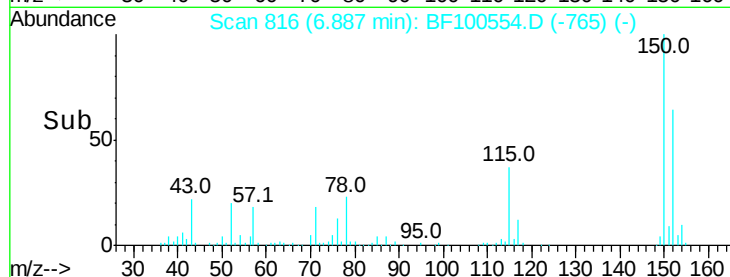
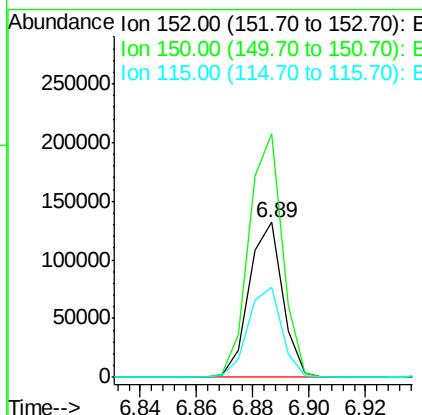
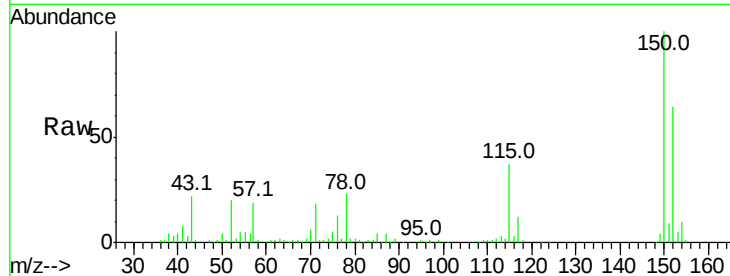
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF100554.D
 Acq: 14 Nov 2017 20:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-11A-11B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	57.9	50.1	75.1

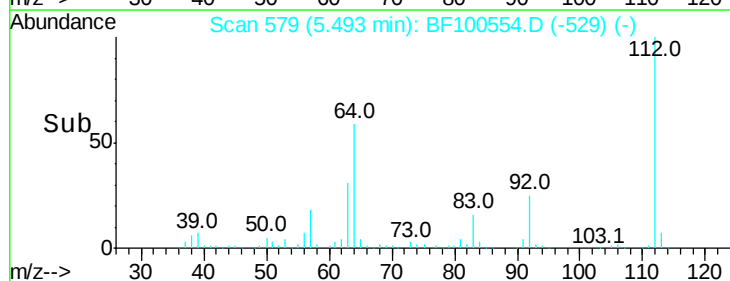
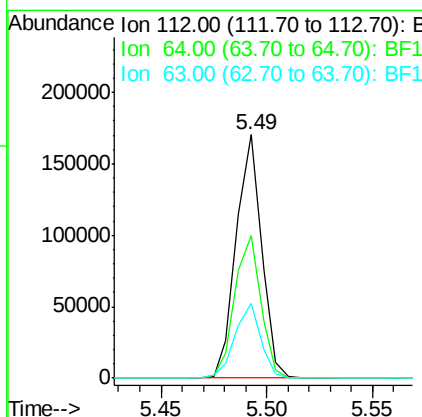
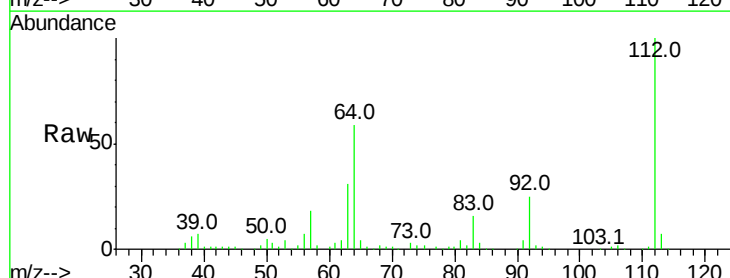
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#5
 2-Fluorophenol
 Concen: 20.882 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF100554.D
 Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 19.929 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100554.D

Acq: 14 Nov 2017 20:30

Instrument :

BNA_F

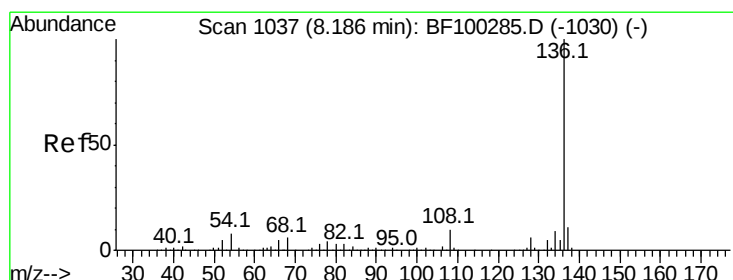
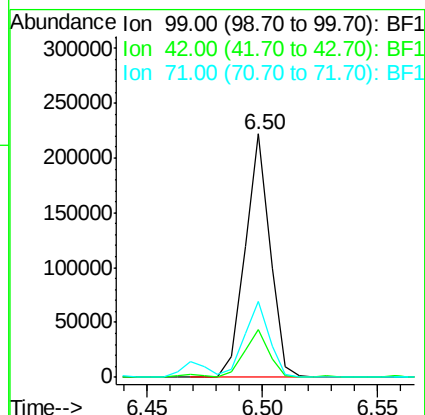
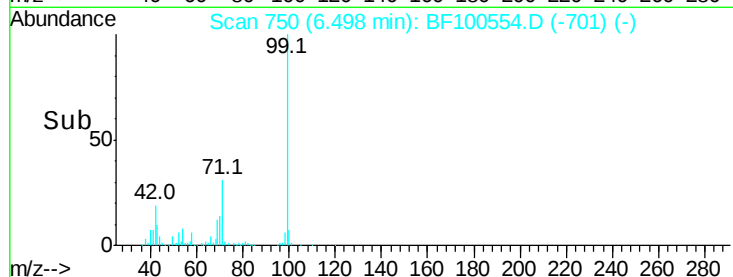
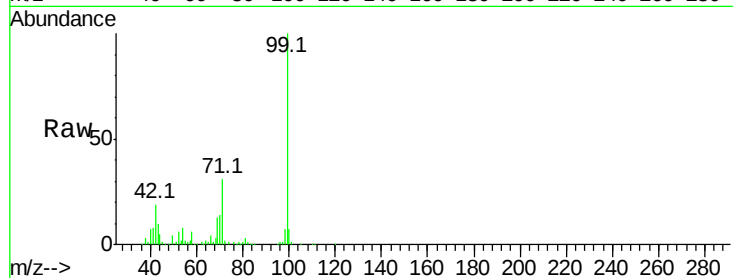
ClientSampleId :

TP-11A-11B

Tot Ion:	99	Resp:	167233
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	31.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

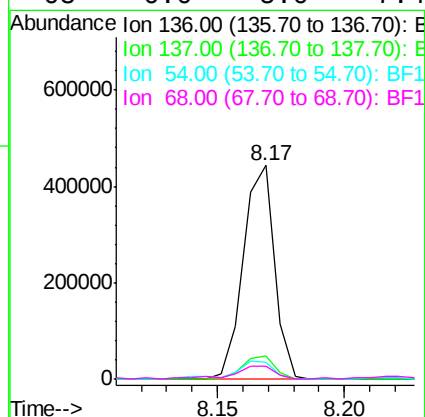
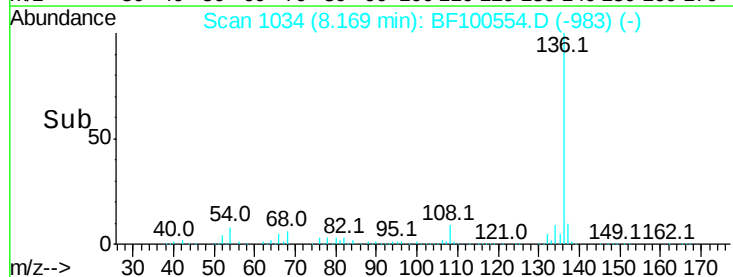
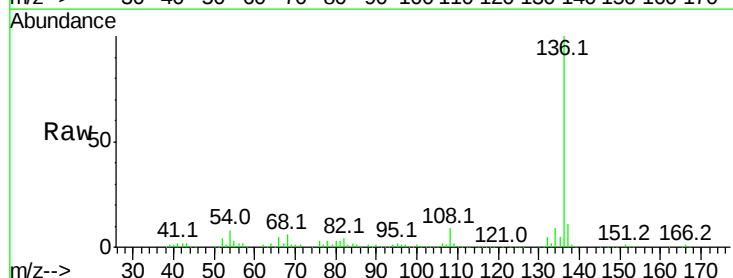
RT: 8.17 min Scan# 1034

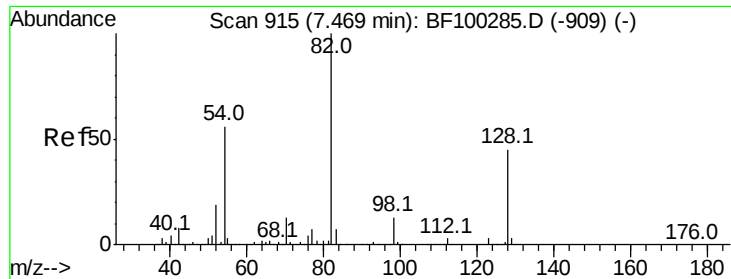
Delta R.T. 0.00 min

Lab File: BF100554.D

Acq: 14 Nov 2017 20:30

Tgt Ion:	136	Resp:	378769
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	8.1	6.6	9.8
68	6.0	5.0	7.4





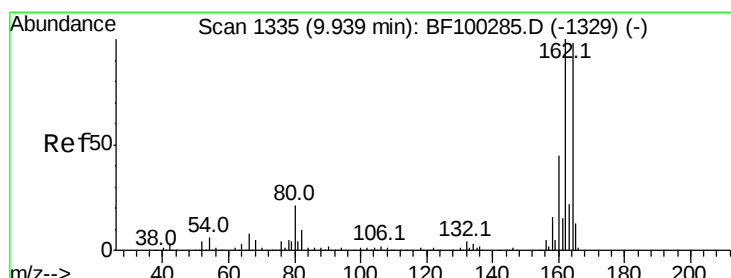
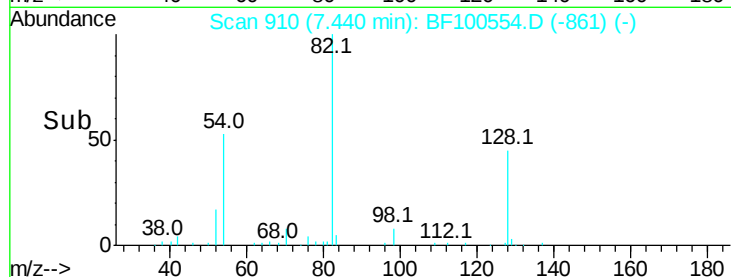
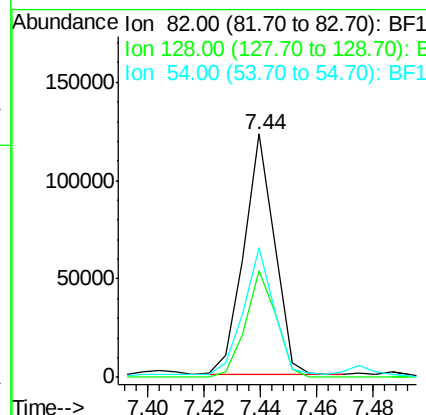
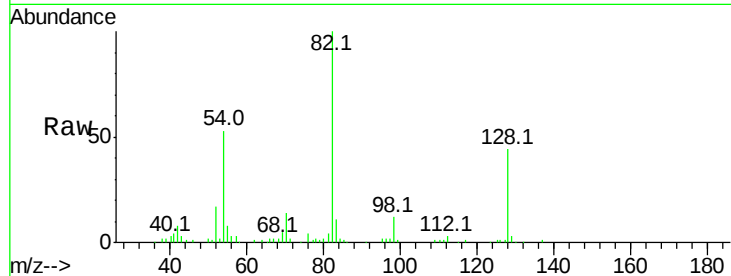
#23
Nitrobenzene-d5
Concen: 16.176 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	53.5	41.4	62.2

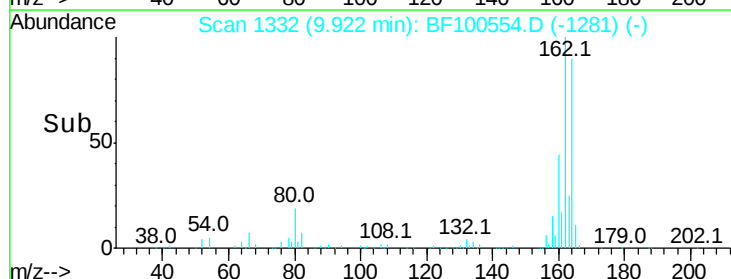
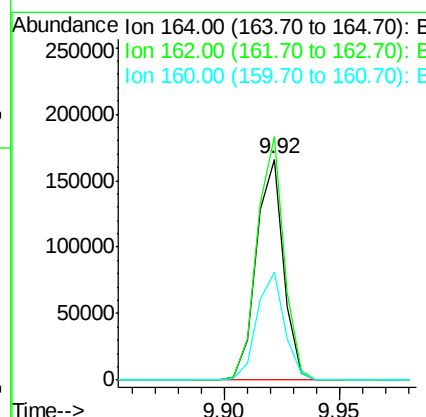
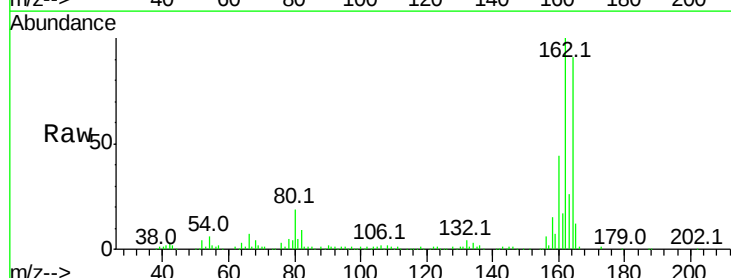
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.3	86.1	129.1
160	49.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 18.431 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF100554.D

Acq: 14 Nov 2017 20:30

Instrument :

BNA_F

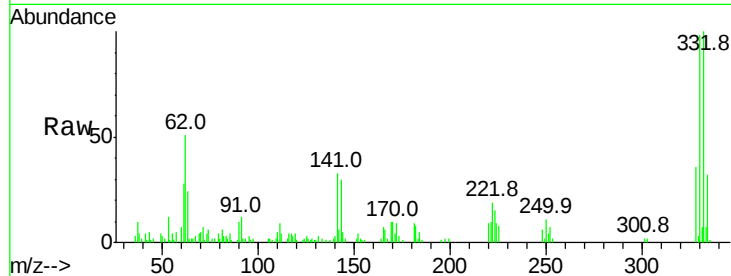
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TP-11A-11B

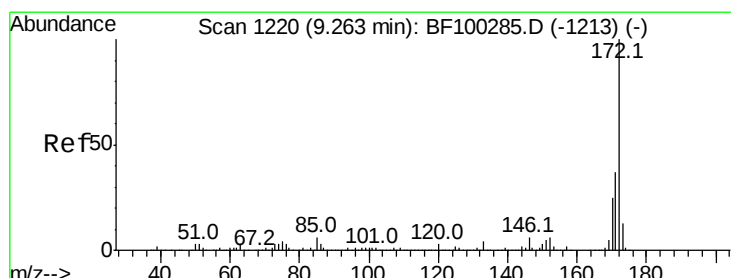
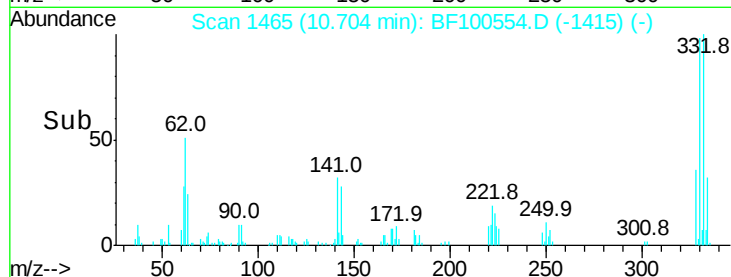
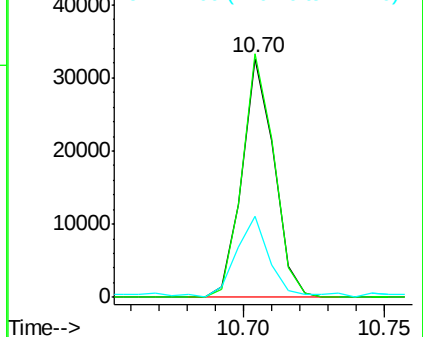
Tot Ion:	330	Resp:	25766
Ion Ratio	Lower	Upper	
330	100		
332	100.8	77.0	115.6
141	36.6	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 15.639 ng

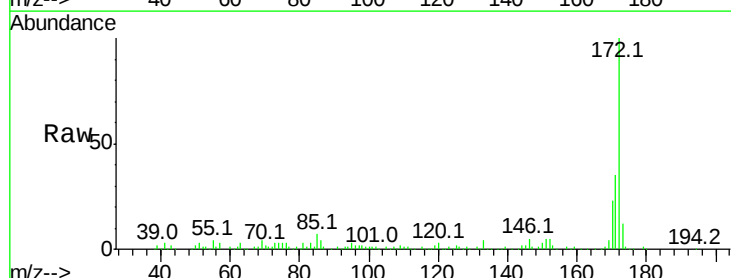
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

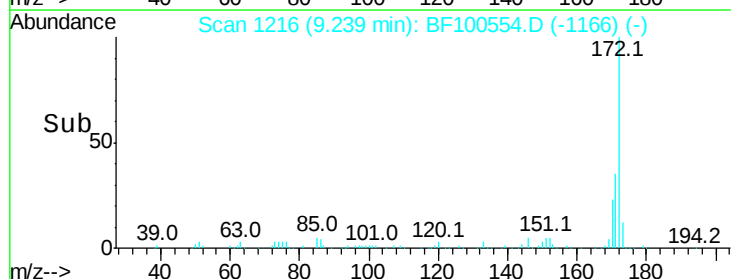
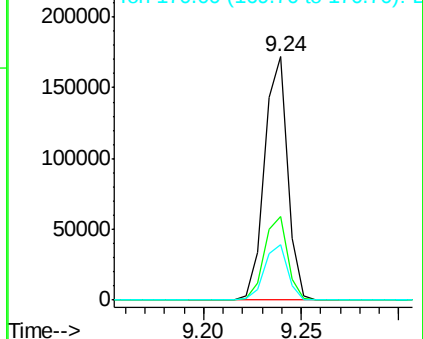
Lab File: BF100554.D

Acq: 14 Nov 2017 20:30

Tgt Ion:	172	Resp:	140898
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	22.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





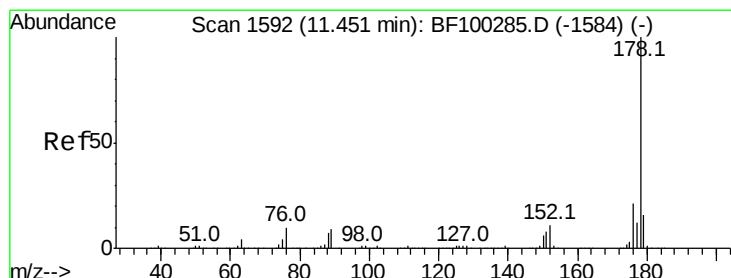
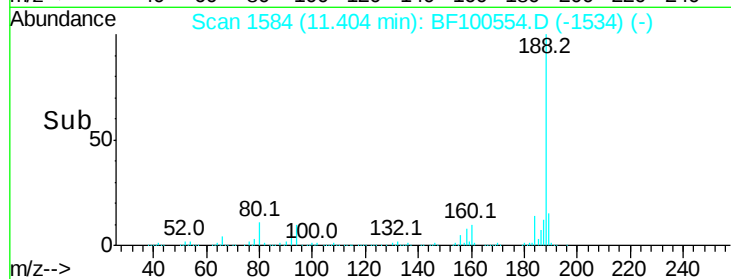
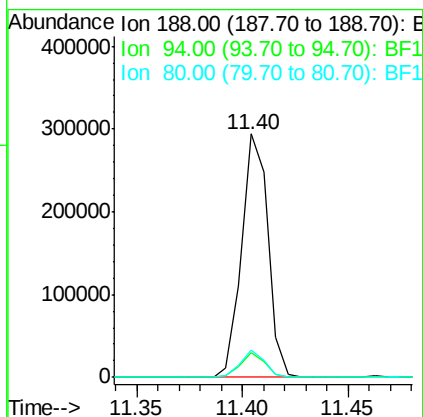
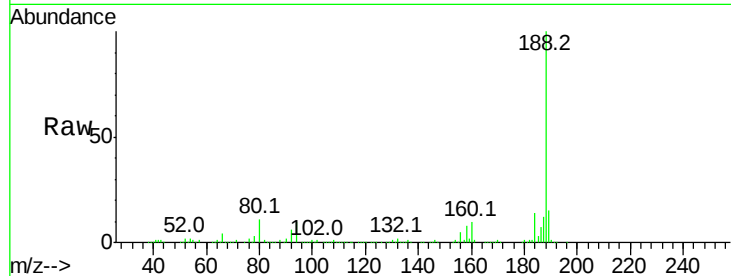
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8

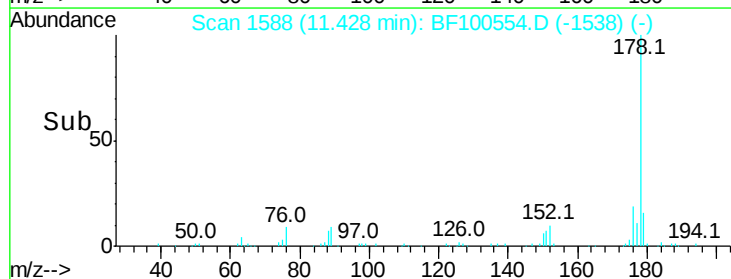
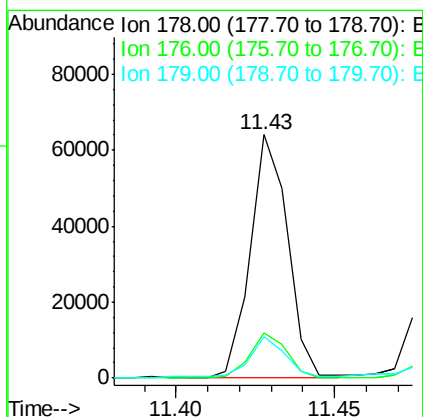
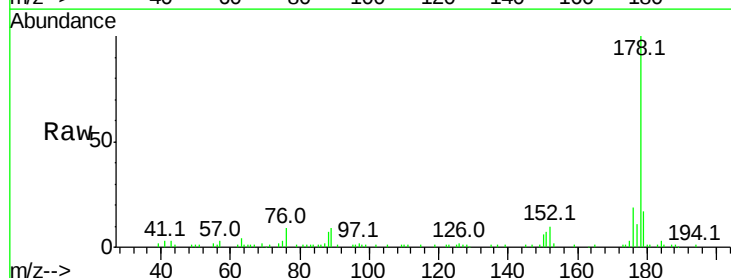
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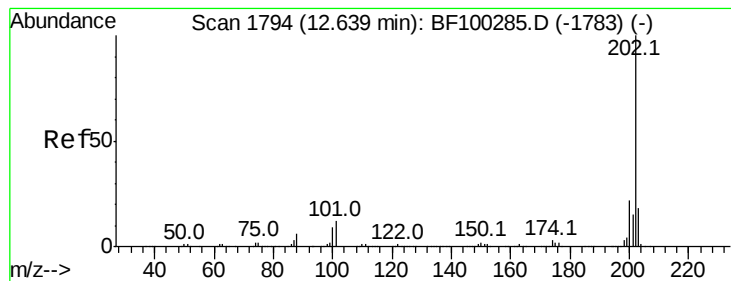
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#70
Phenanthrene
Concen: 3.953 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.9	13.0	19.6





#74

Fluoranthene

Concen: 8.458 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100554.D

Acq: 14 Nov 2017 20:30

Instrument :

BNA_F

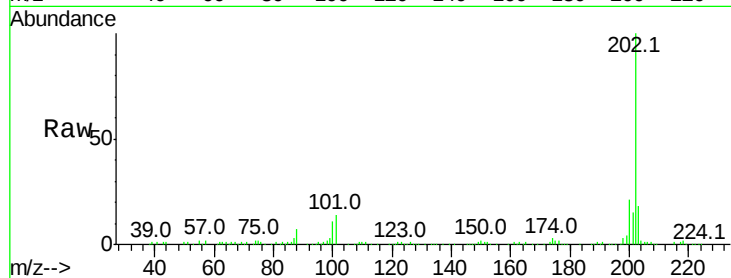
ClientSampled :

TP-11A-11B

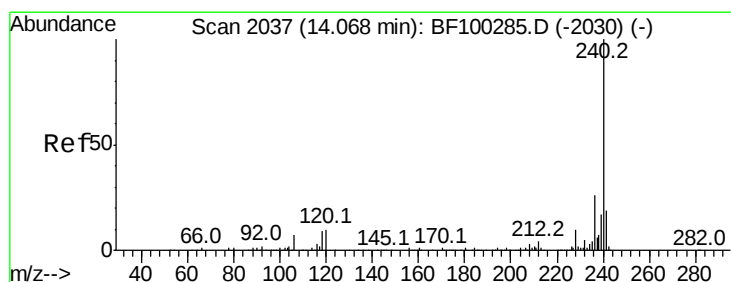
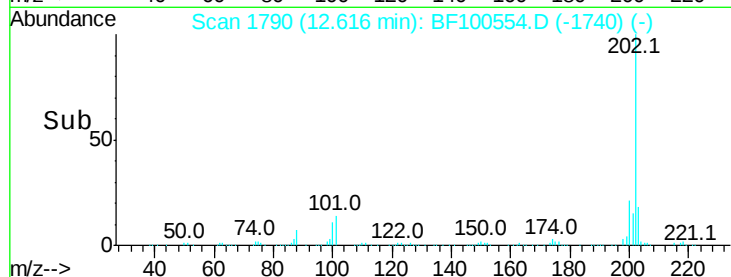
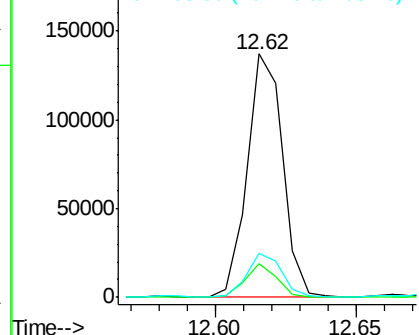
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.9	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

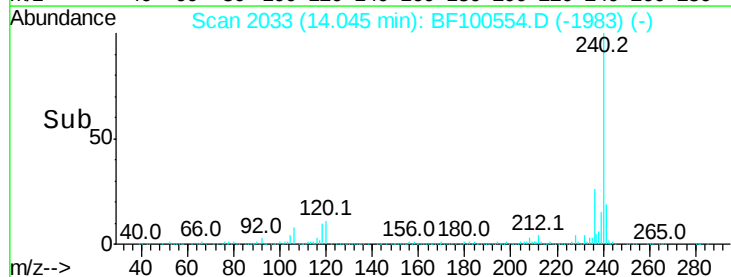
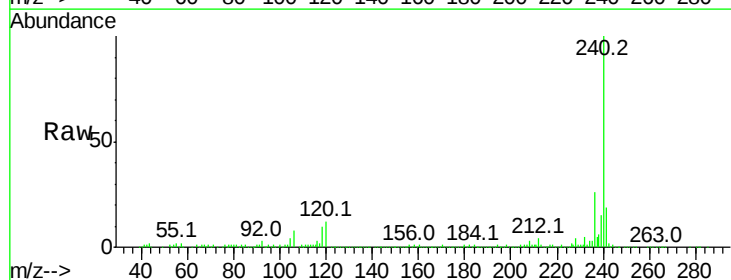
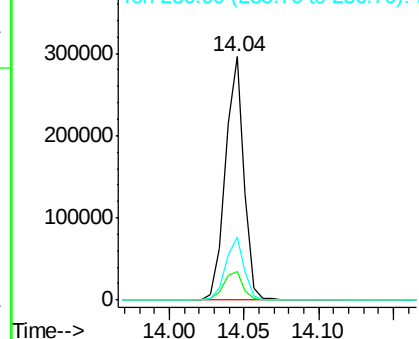
Delta R.T. -0.01 min

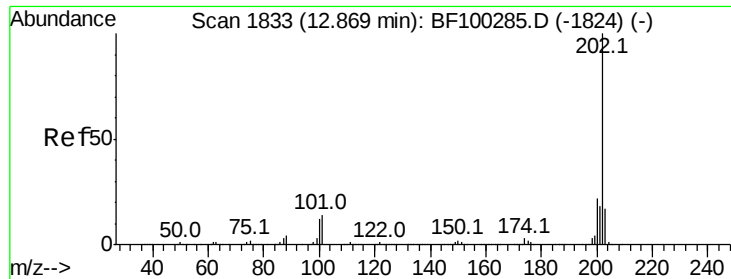
Lab File: BF100554.D

Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.1	20.7	31.1

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





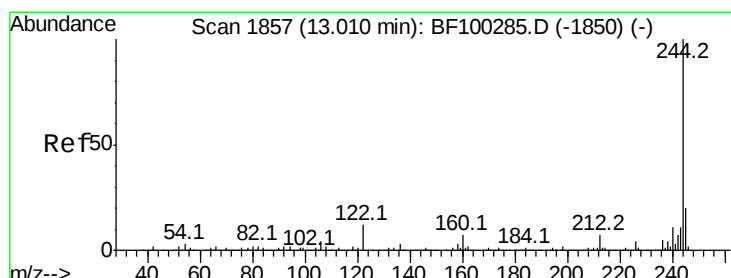
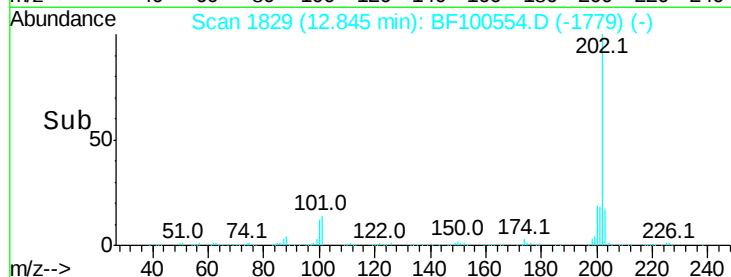
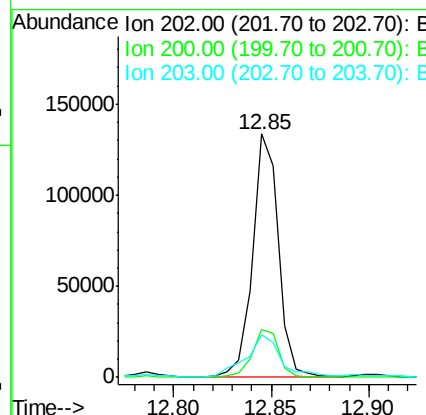
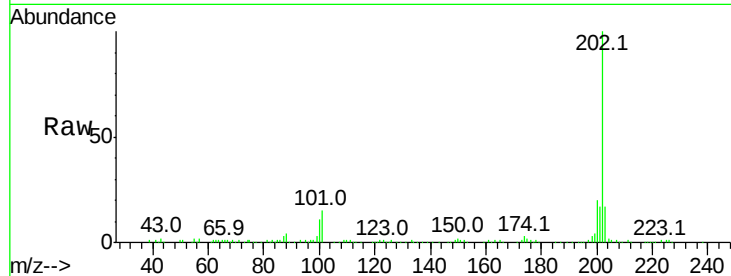
#77
Pvrene
Concen: 6.553 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	17.3	14.3	21.5

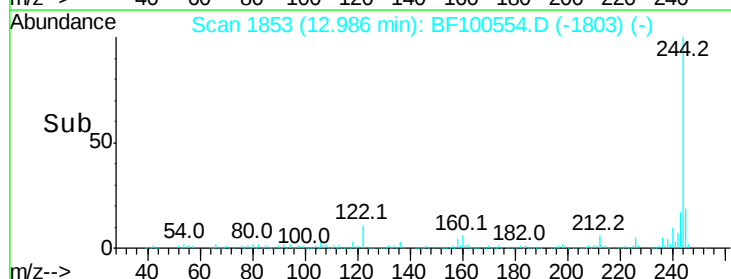
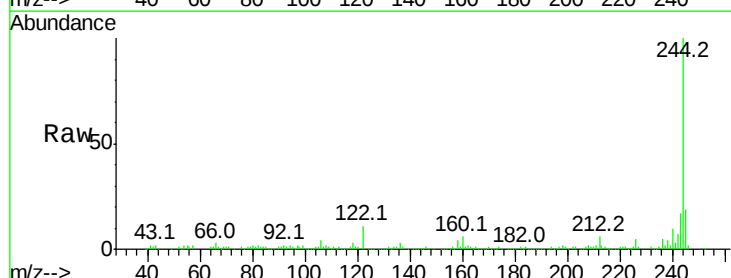
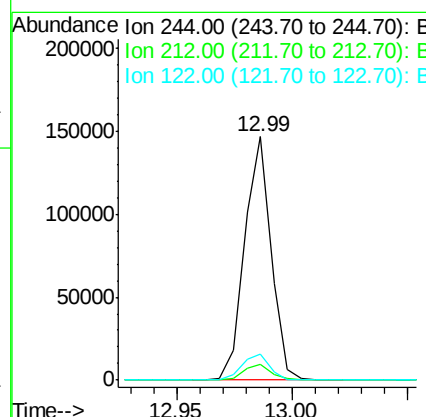
Manual Integrations
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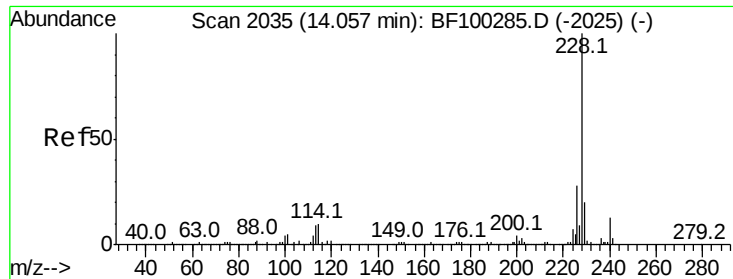
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#78
Terphenyl-d14
Concen: 10.368 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.5	11.0	16.4#





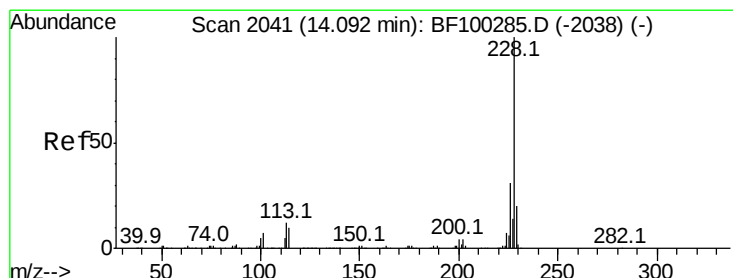
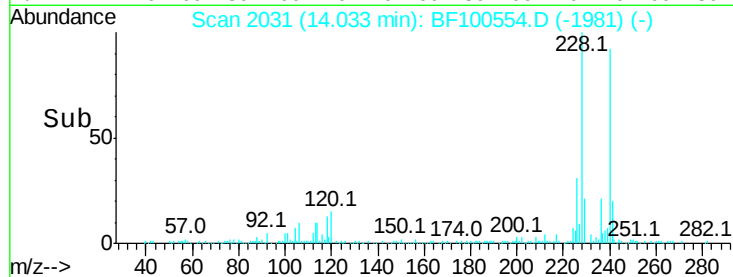
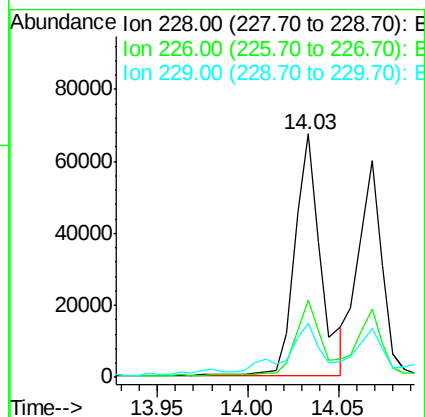
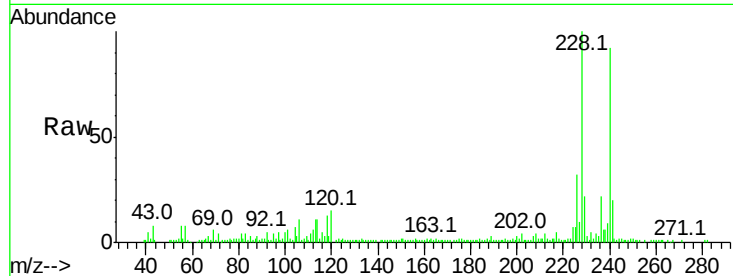
#80
Benzo(a)anthracene
Concen: 4.287 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	22.1	15.8	23.6

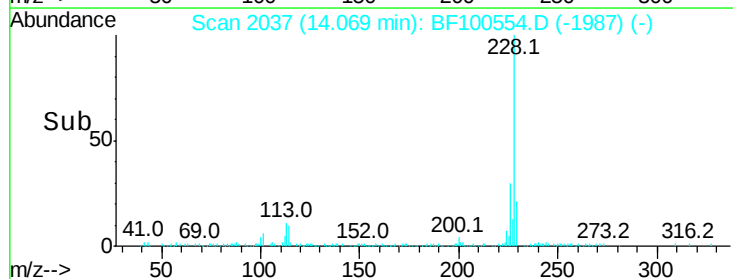
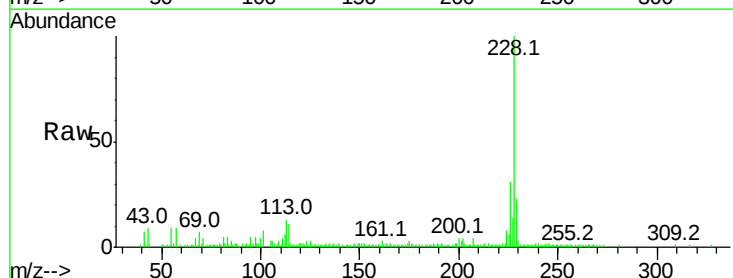
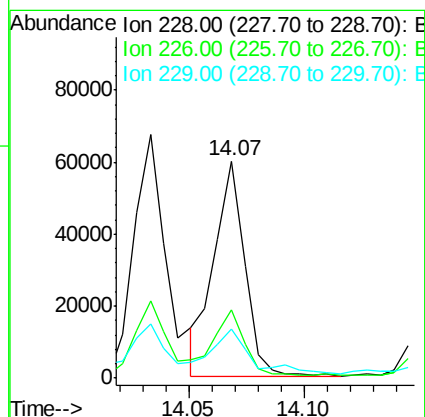
Manual Integrations
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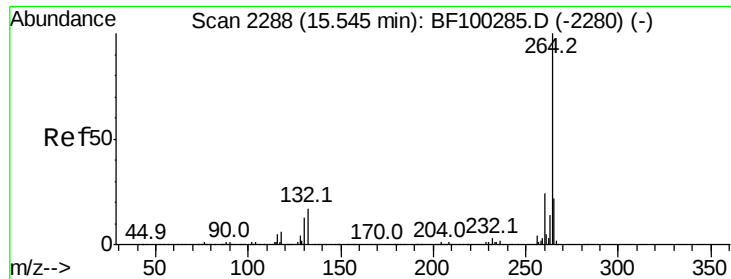
SOHIL
11/15/2017 12:30:11 PM



#82
Chrysene
Concen: 3.644 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.9	16.2	24.4





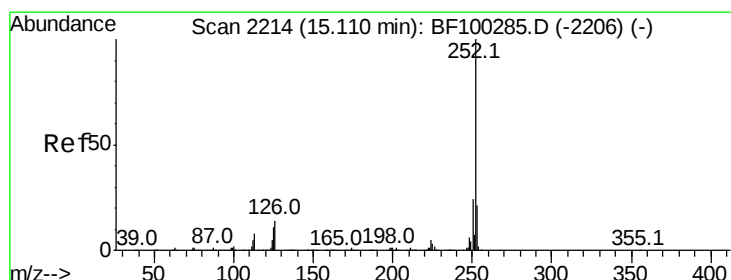
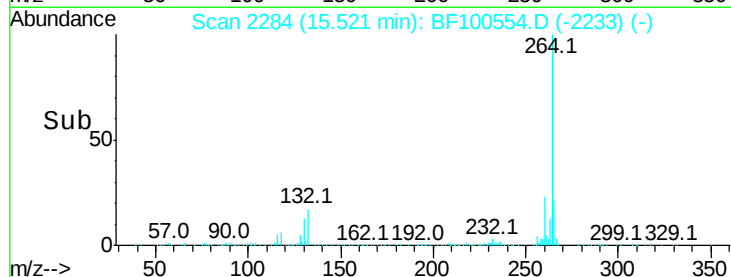
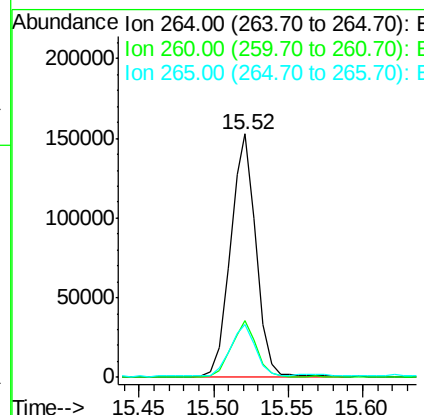
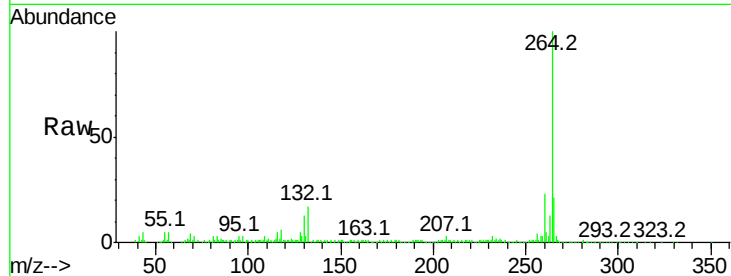
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.3	19.2	28.8	
265	21.5	17.5	26.3	

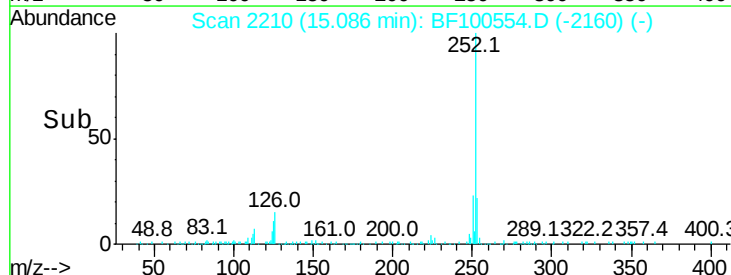
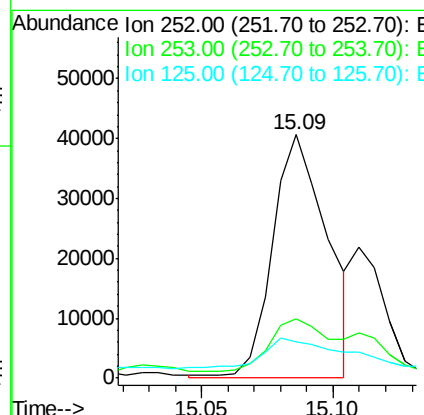
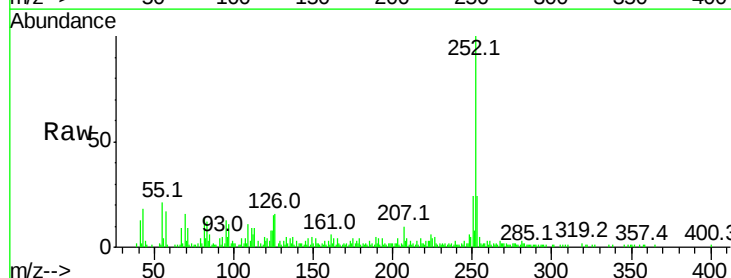
Manual Integrations
APPROVED

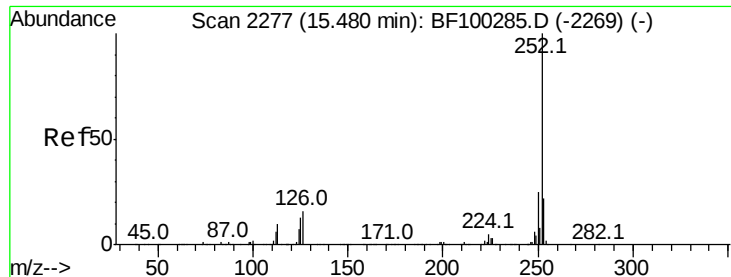
SOHIL
11/15/2017 12:30:11 PM



#87
Benzo(b)fluoranthene
Concen: 5.361 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	17.0	25.6	
125	14.9	9.0	13.6	





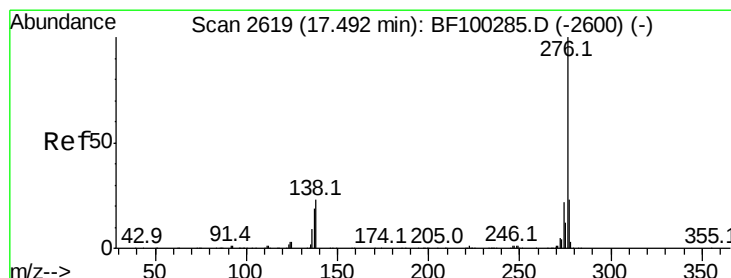
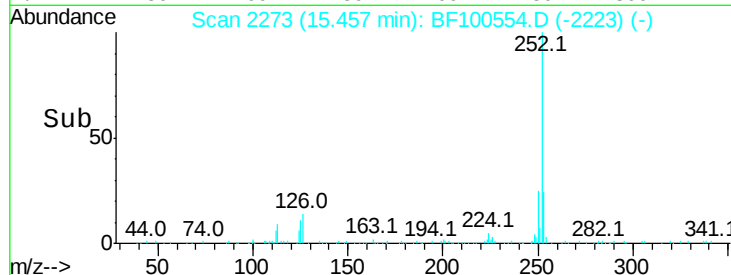
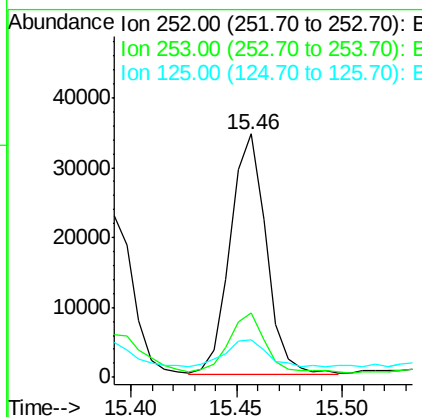
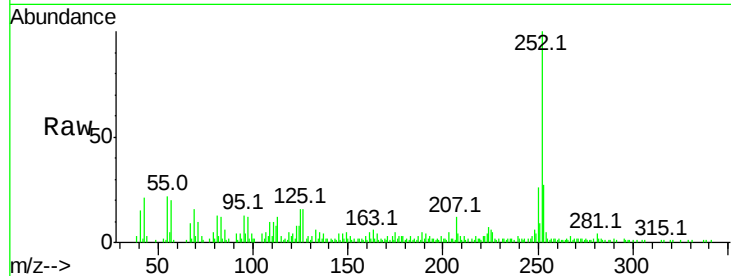
#89
Benzo(a)pyrene
Concen: 4.189 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.1	25.7#
125	15.6	9.8	14.6#

Manual Integrations
APPROVED

SOHIL
11/15/2017 12:30:11 PM



#91
Benzo(g,h,i)perylene
Concen: 3.217 ng
RT: 17.45 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF100554.D
Acq: 14 Nov 2017 20:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	24.6	21.8	32.8

