

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116683.D
 Acq On : 31 Aug 2019 6:28
 Operator : HP/JU
 Sample : K4527-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Manual Integrations
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 8/31/2019 2:45:45 PM

Quant Time: Aug 31 11:34:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	102431	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	418806	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	208725	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	313950	20.00	ng	0.00
76) Chrysene-d12	13.99	240	234257	20.00	ng	0.00
87) Perylene-d12	15.44	264	259302	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	112229	17.75	ng	-0.01
7) Phenol-d6	6.46	99	153350	18.47	ng	-0.02
23) Nitrobenzene-d5	7.40	82	89560	12.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	22711	16.28	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	164241	13.27	ng	-0.01
79) Terphenyl-d14	12.94	244	128184	10.12	ng	-0.01
Target Compounds						
71) Phenanthrene	11.39	178	43580	2.494	ng	98
75) Fluoranthene	12.57	202	75775	4.412	ng	99
78) Pyrene	12.80	202	65100	3.126	ng	97
81) Benzo(a)anthracene	13.98	228	32156	2.169	ng	95
83) Chrysene	14.02	228	33495m	2.193	ng	
88) Benzo(b)fluoranthene	15.02	252	48244m	3.077	ng	
90) Benzo(a)pyrene	15.38	252	29604	2.171	ng	# 94

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

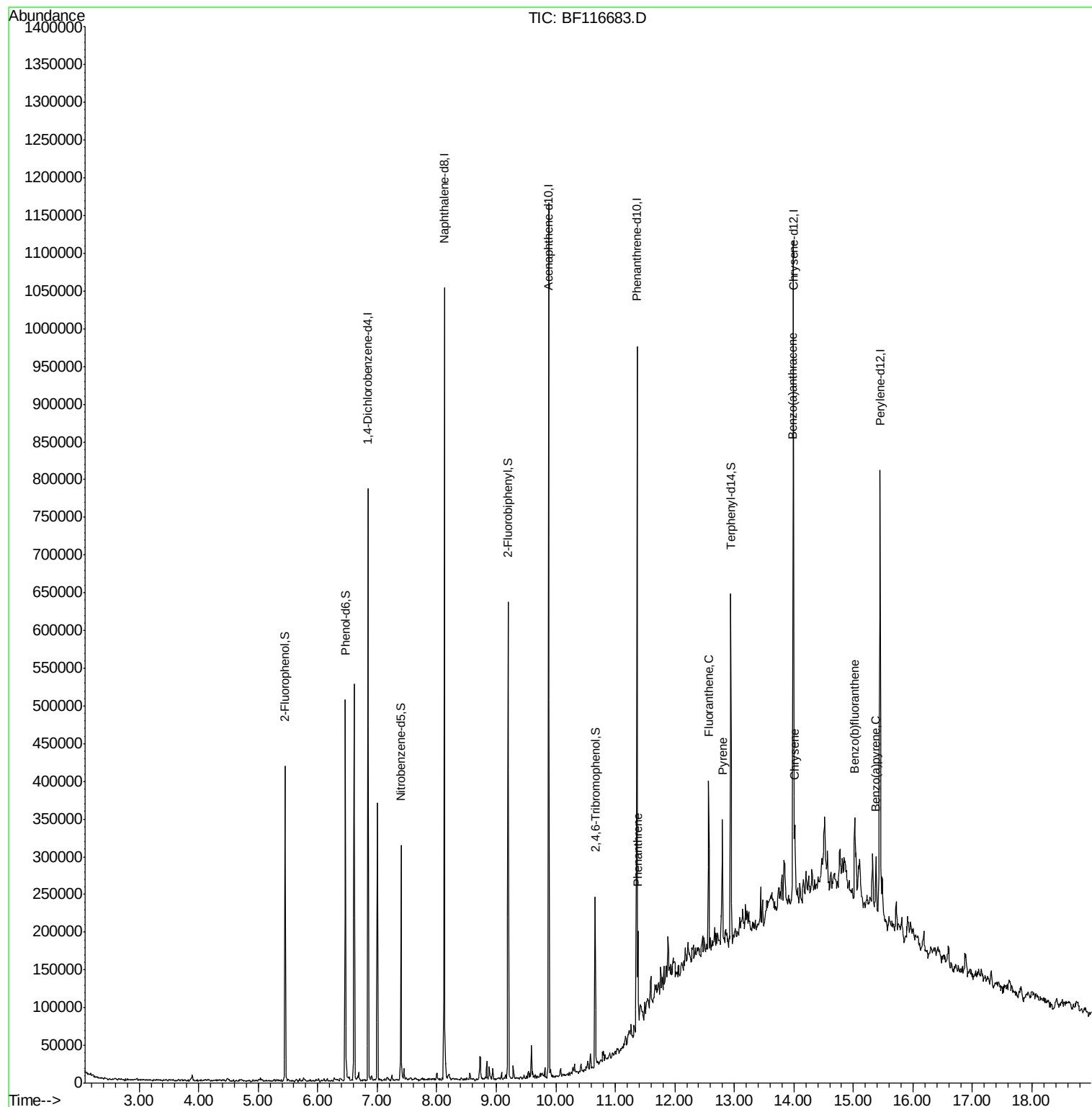
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116683.D
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ALS Vial : 22 Sample Multiplier: 1

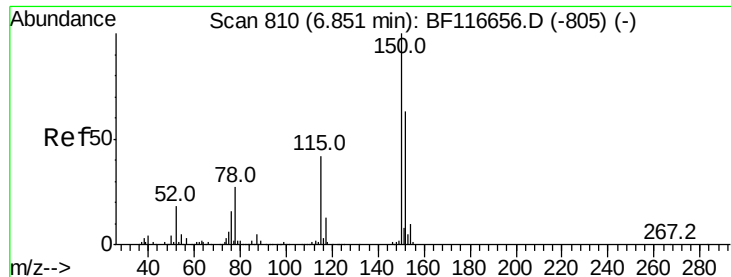
Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

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#1

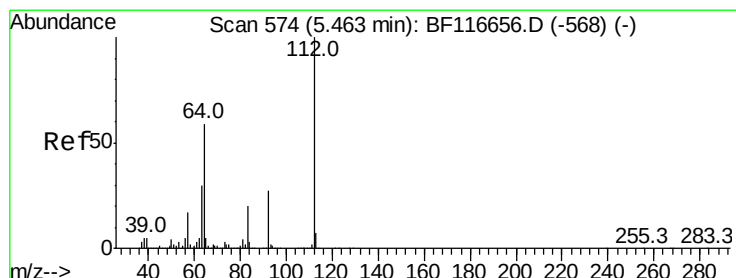
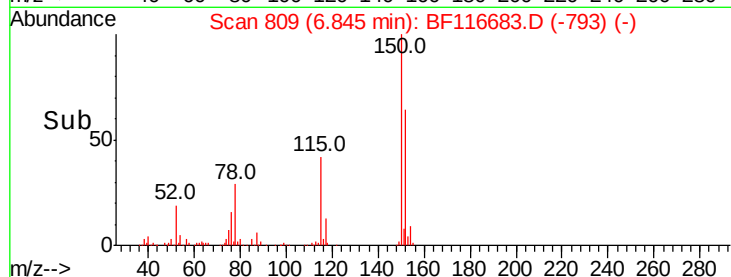
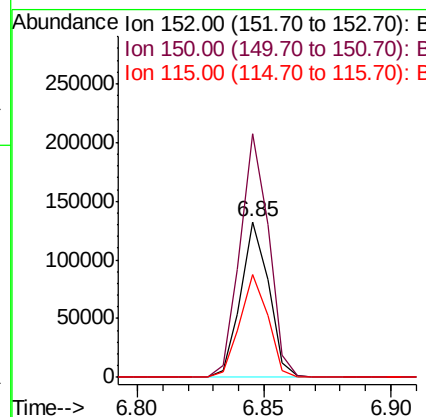
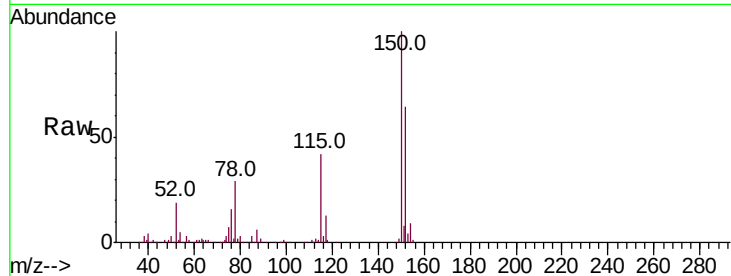
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.4	186.6
115	66.1	49.9	74.9

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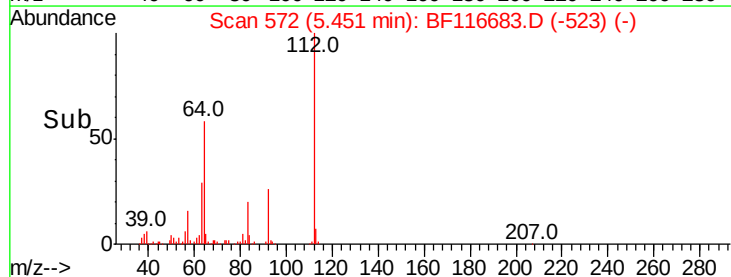
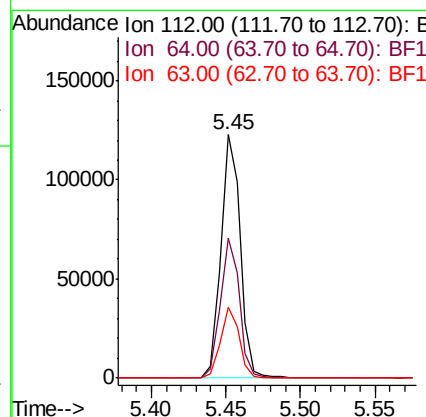
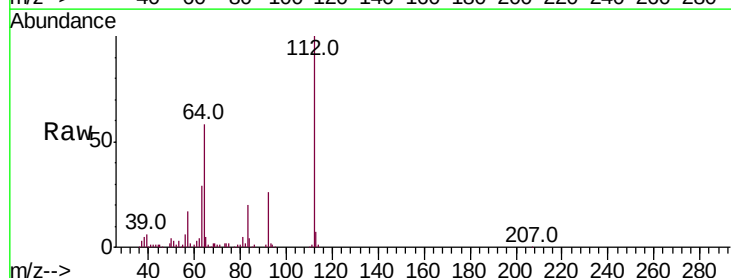
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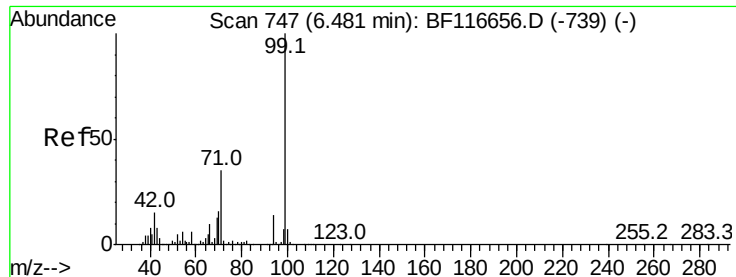


#5

2-Fluorophenol
Concen: 17.750 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.1	70.7
63	28.9	24.9	37.3





#7

Phenol-d6

Concen: 18.471 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

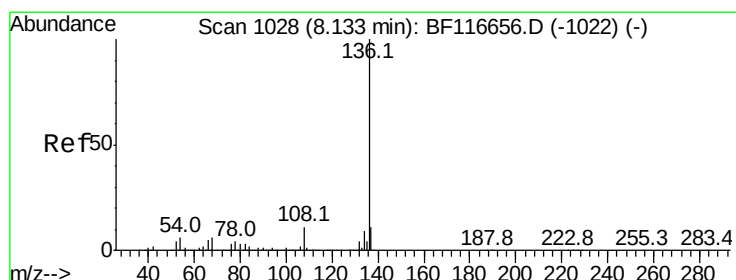
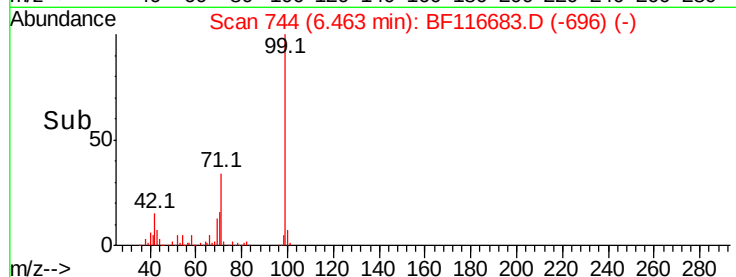
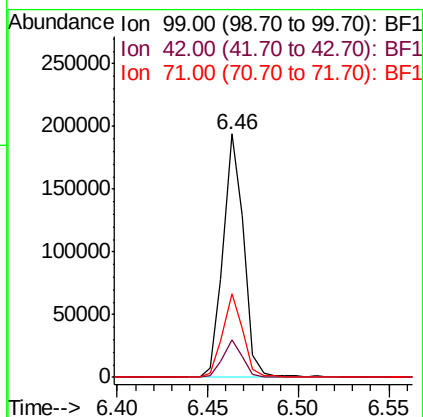
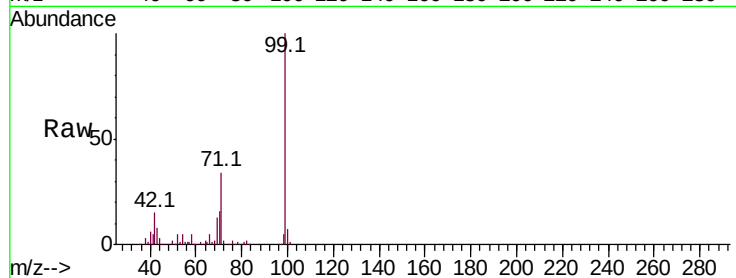
ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		153350		
42	15.3	13.7	20.5		
71	34.4	30.8	46.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

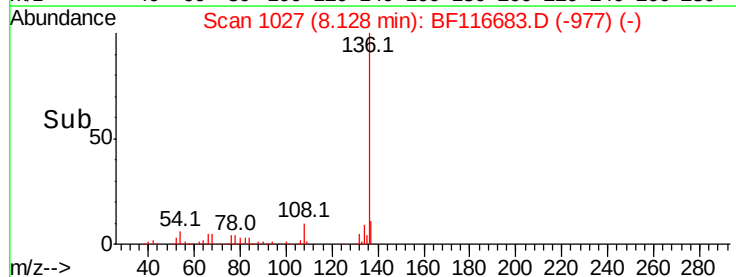
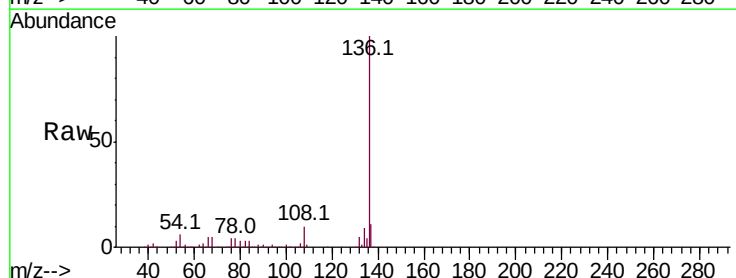
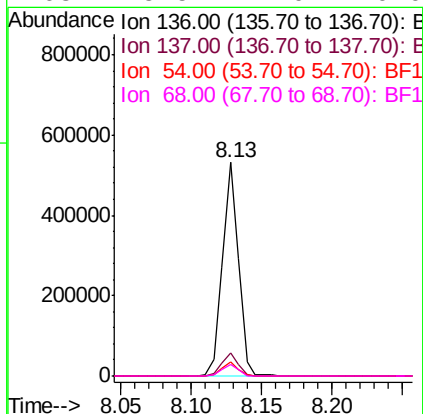
RT: 8.13 min Scan# 1027

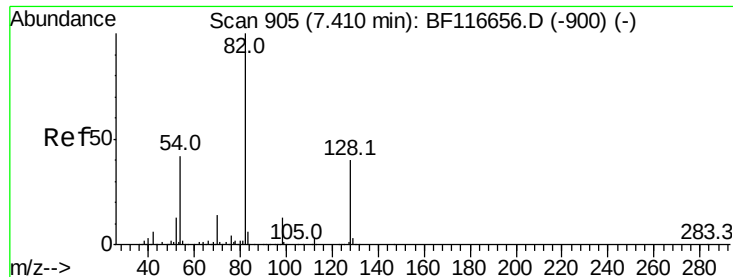
Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		418806		
137	11.0	8.9	13.3		
54	6.4	4.8	7.2		
68	5.5	4.0	6.0		





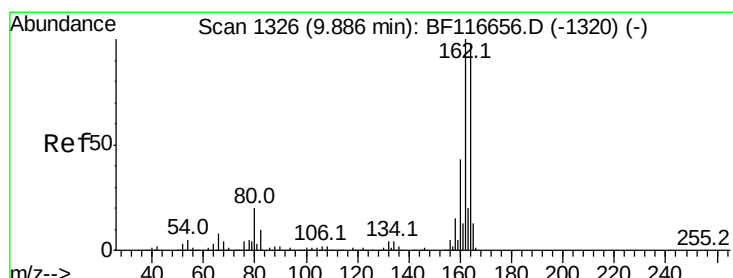
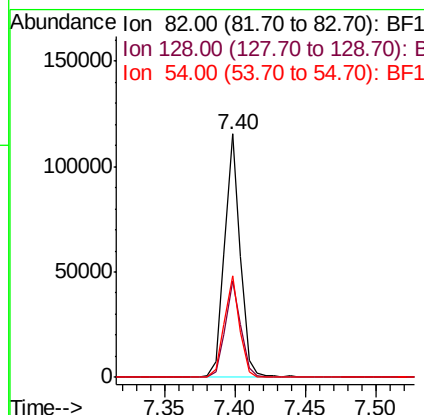
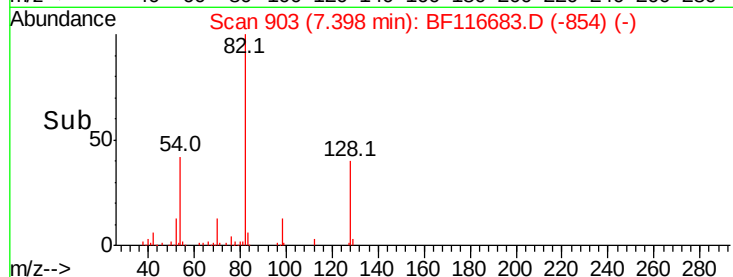
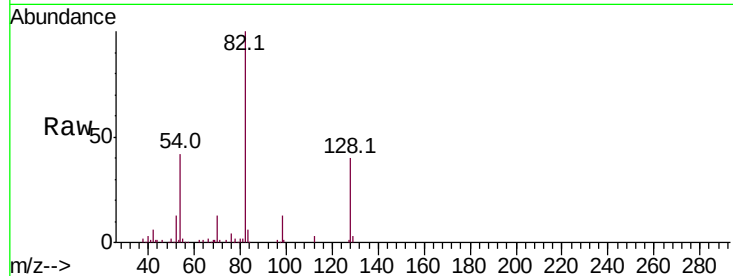
#23
Nitrobenzene-d5
Concen: 12.208 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	82	Resp	89560
Ion Ratio	Lower	Upper	
82	100		
128	39.8	32.8	49.2
54	41.9	36.9	55.3

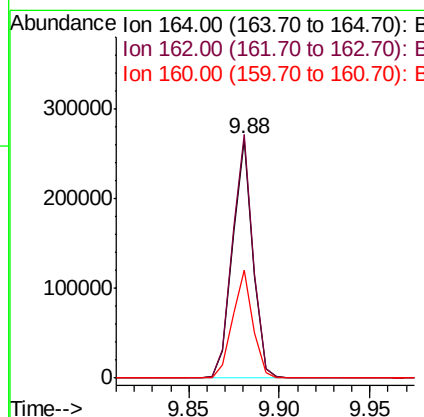
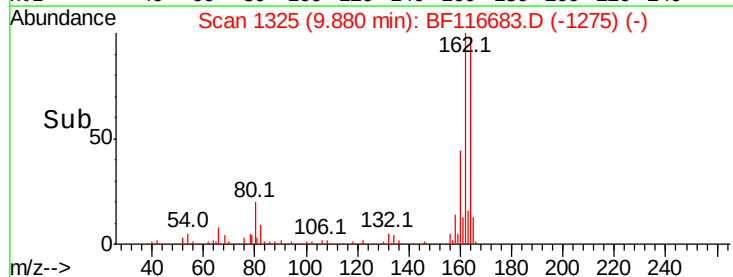
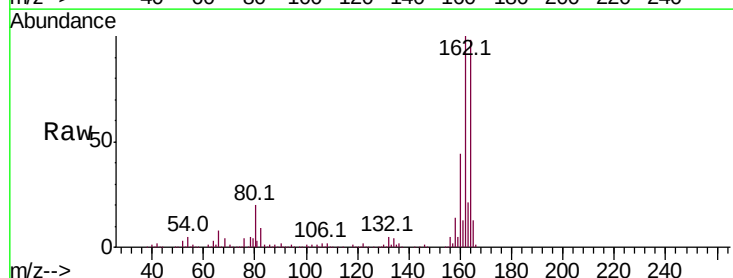
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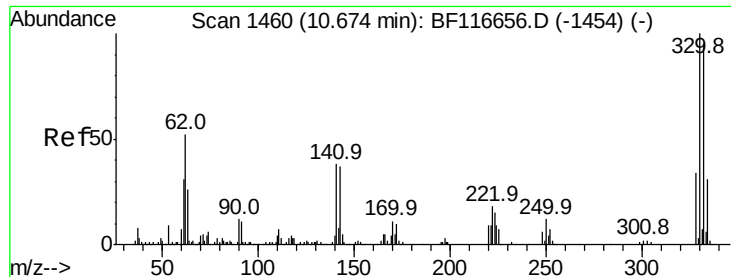
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion	164	Resp	208725
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.4	122.0
160	45.2	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 16.276 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

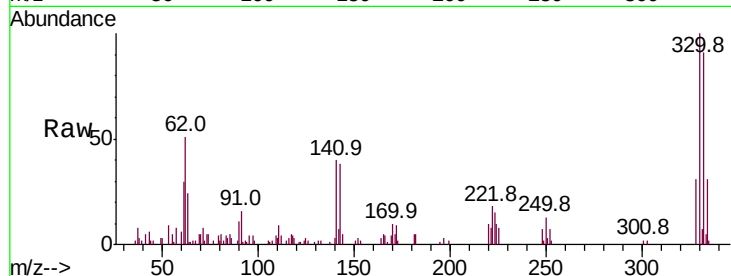
ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

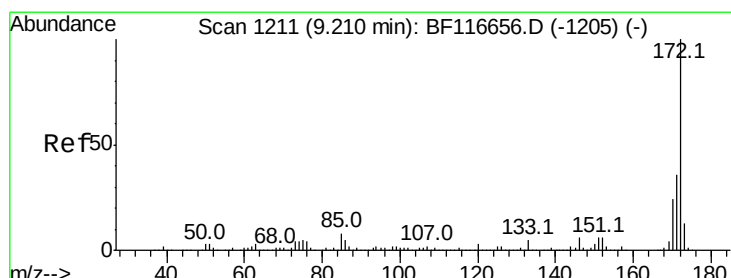
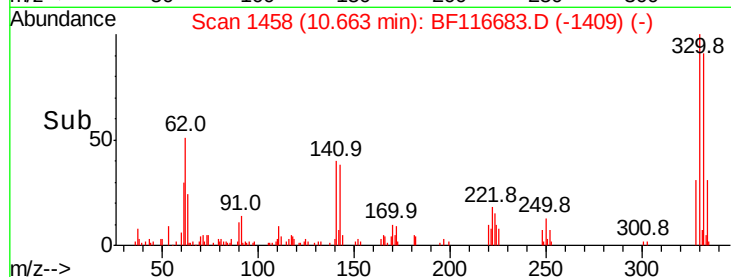
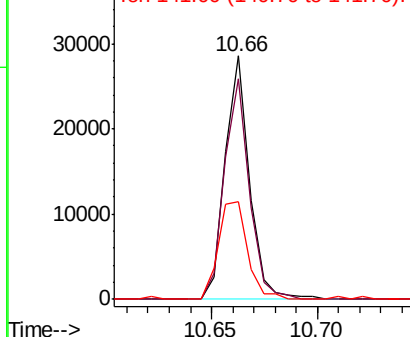
Tot Ion:	330	Resp:	22711
Ion Ratio	Lower	Upper	
330	100		
332	92.7	76.9	115.3
141	48.1	31.4	47.2#

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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



#45

2-Fluorobiphenyl

Concen: 13.274 ng

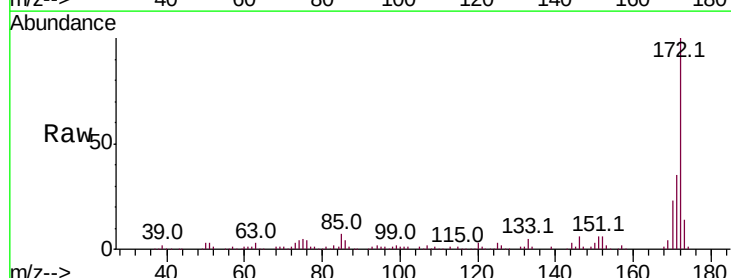
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

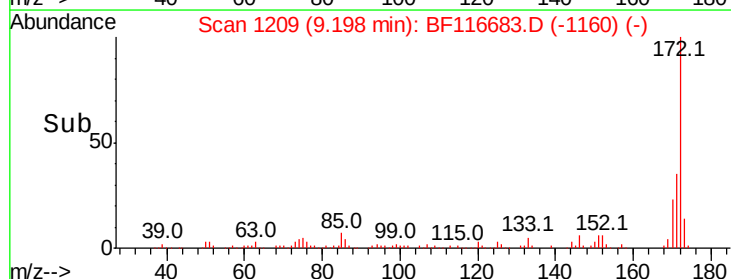
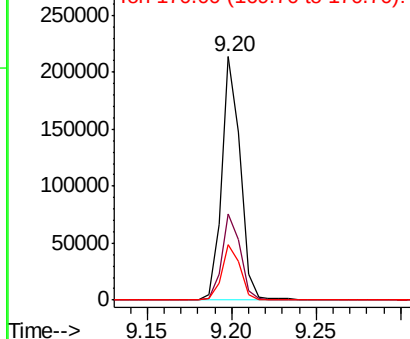
Lab File: BF116683.D

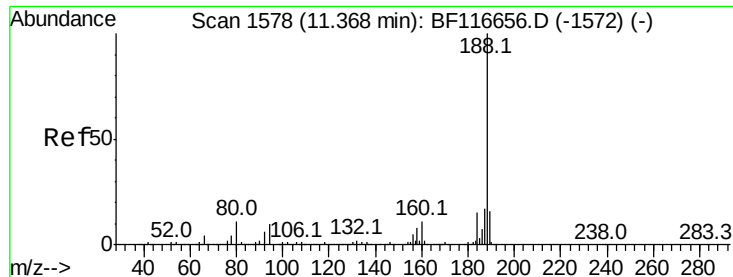
Acq: 31 Aug 2019 6:28

Tgt Ion:	172	Resp:	164241
Ion Ratio	Lower	Upper	
172	100		
171	35.4	27.8	41.6
170	22.6	18.9	28.3



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

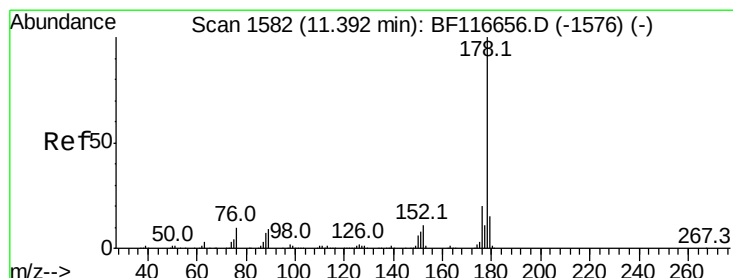
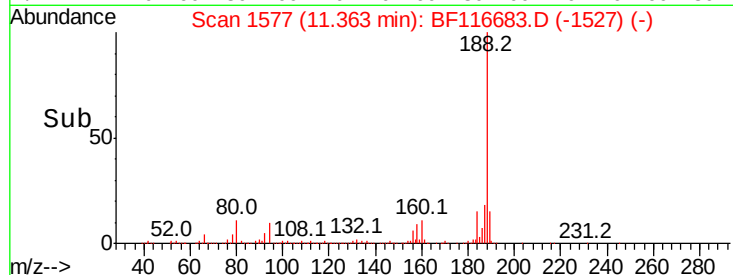
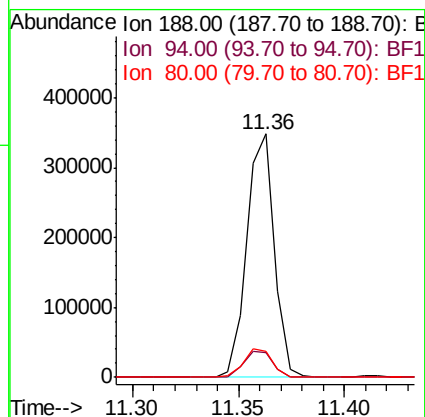
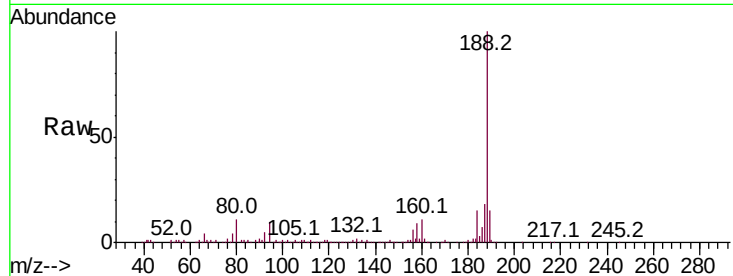
ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion:	188	Resp:	313950
Ion Ratio	Lower	Upper	
188	100		
94	10.3	7.3	10.9
80	10.7	8.4	12.6

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#71

Phenanthrene

Concen: 2.494 ng

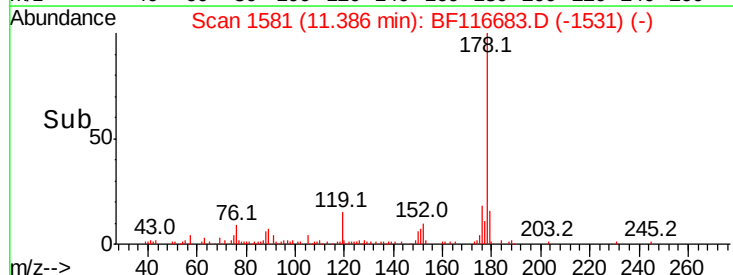
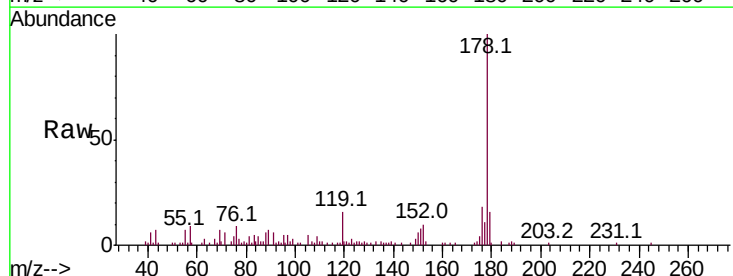
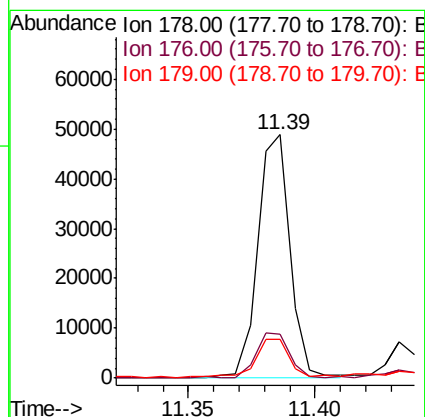
RT: 11.39 min Scan# 1581

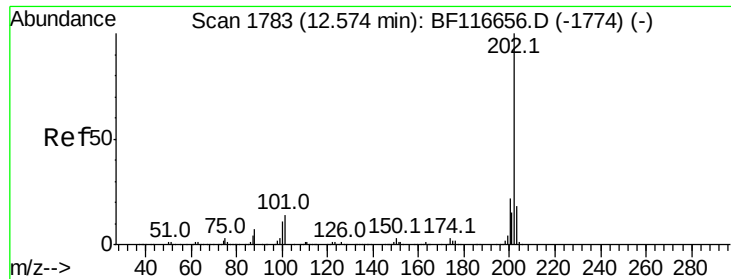
Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Tgt Ion:	178	Resp:	43580
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	16.1	12.2	18.2





#75

Fluoranthene

Concen: 4.412 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

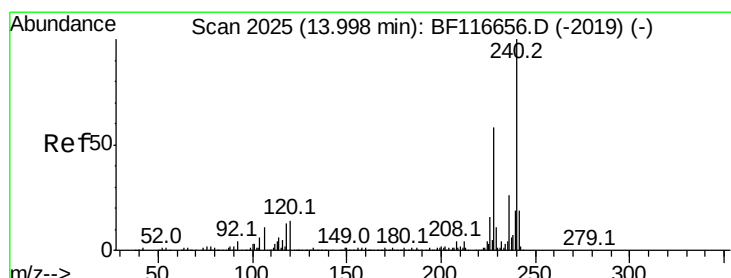
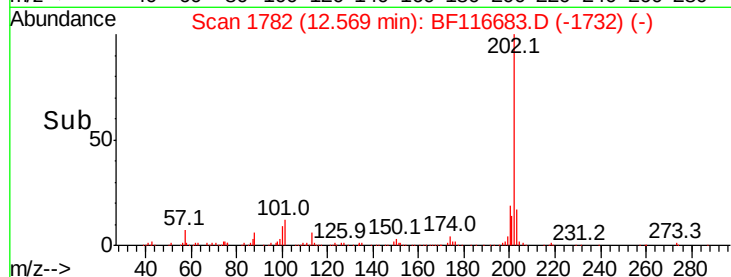
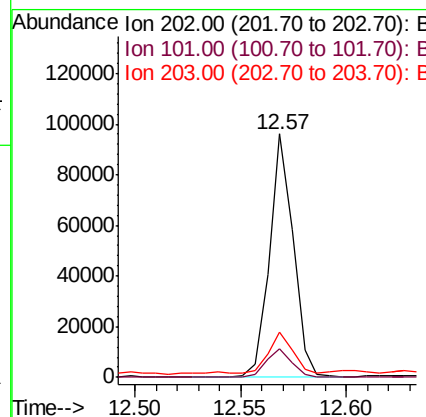
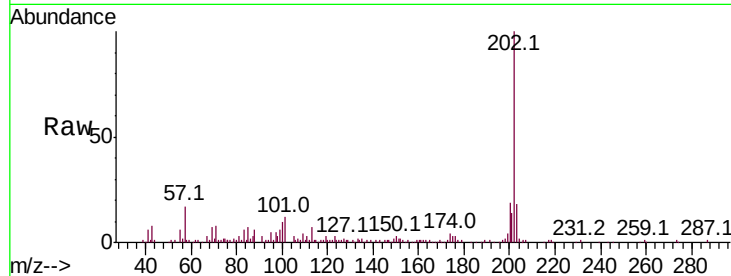
ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	31.3
203	18.4	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

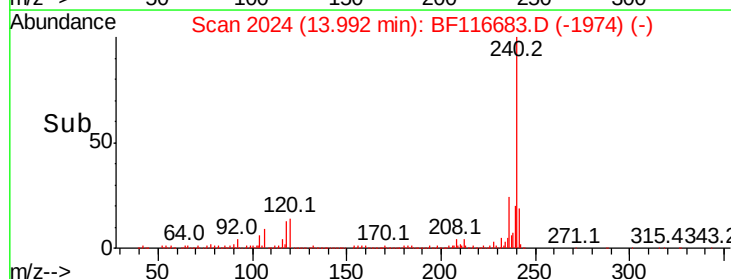
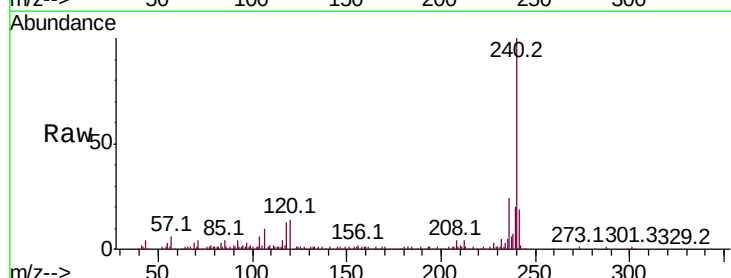
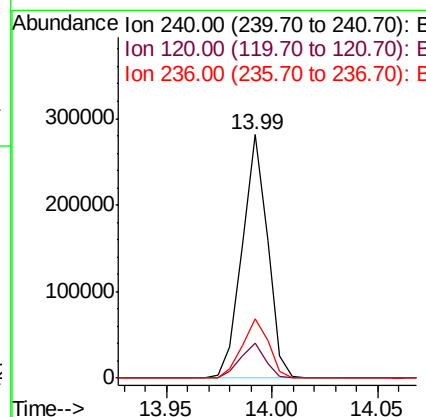
RT: 13.99 min Scan# 2024

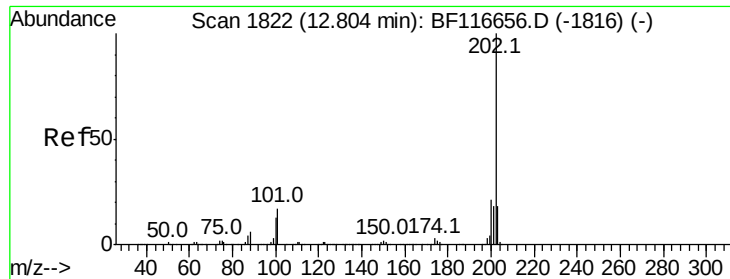
Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.4	9.1	13.7#
236	24.5	21.1	31.7





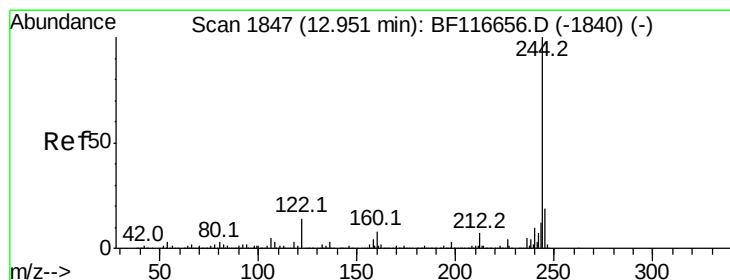
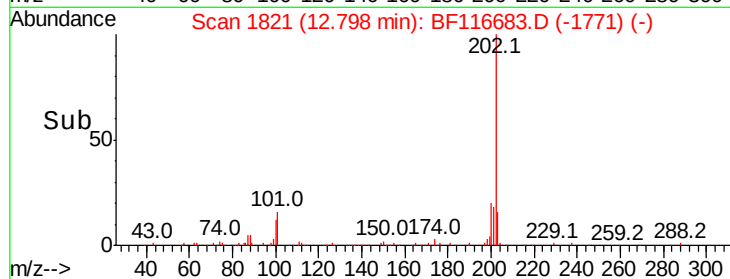
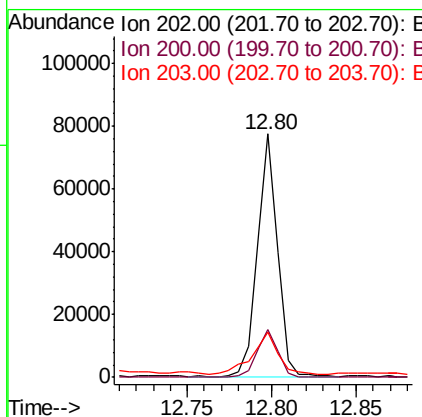
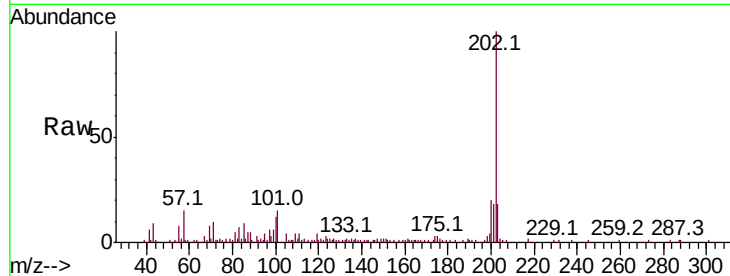
#78
Pvrene
Concen: 3.126 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		65100		
200	19.6	16.5	24.7		
203	18.4	13.7	20.5		

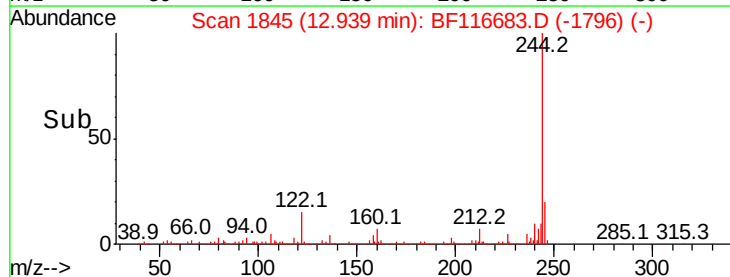
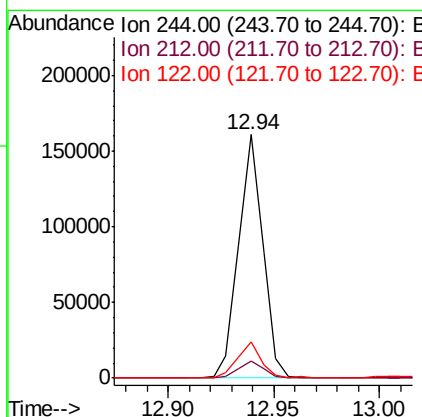
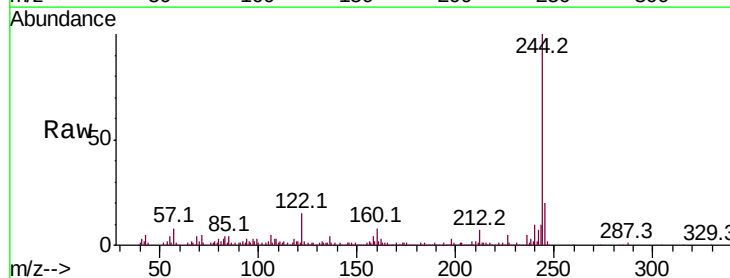
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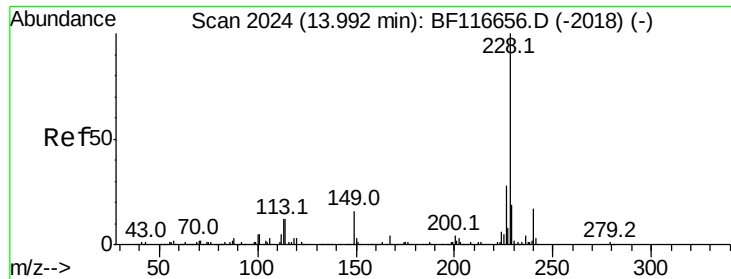
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#79
Terphenyl-d14
Concen: 10.123 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		128184		
212	7.1	6.1	9.1		
122	14.9	10.2	15.4		





#81

Benzo(a)anthracene

Concen: 2.169 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

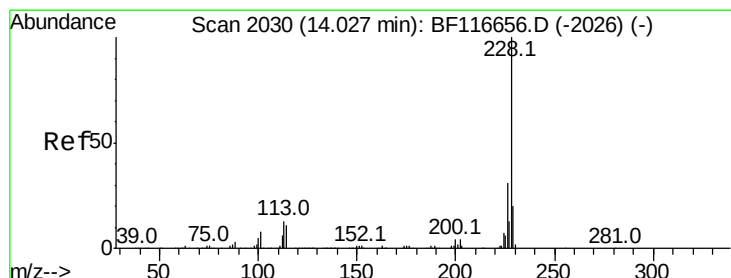
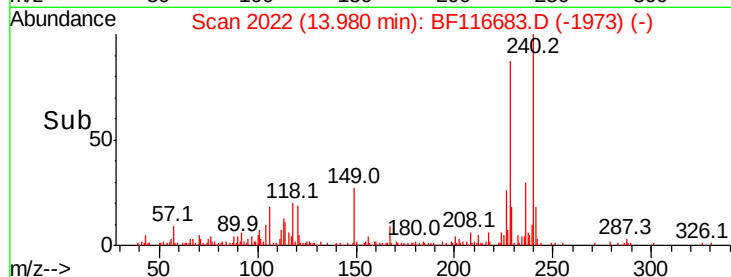
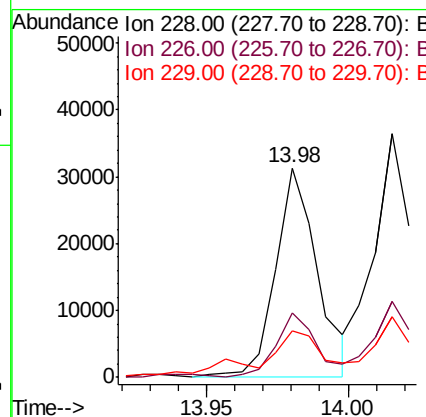
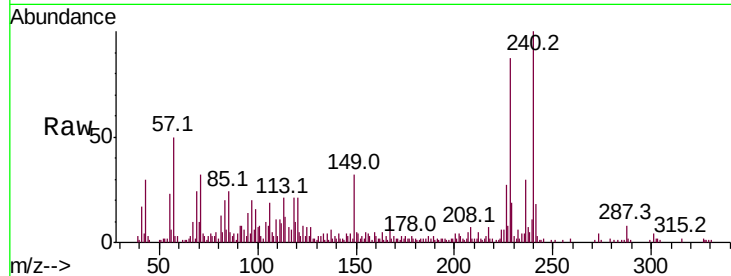
ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion:228	Resp:	32156
Ion Ratio	Lower	Upper
228 100		
226 30.6	22.0	33.0
229 22.0	16.4	24.6

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#83

Chrysene

Concen: 2.193 ng m

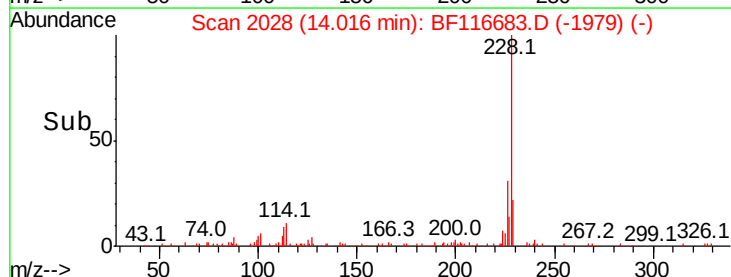
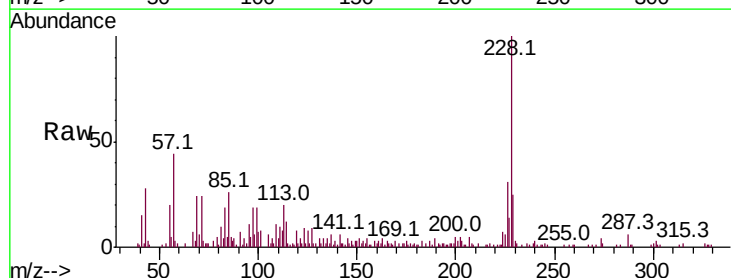
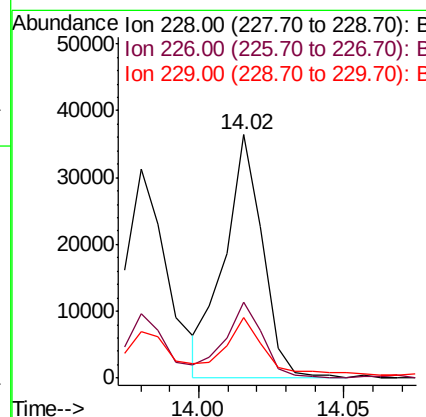
RT: 14.02 min Scan# 2028

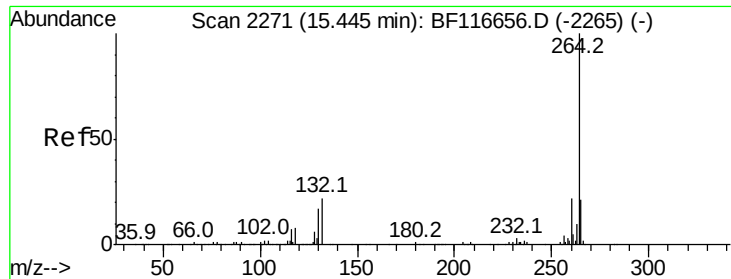
Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Tgt Ion:228	Resp:	33495
Ion Ratio	Lower	Upper
228 100		
226 31.4	24.0	36.0
229 24.8	15.4	23.0#





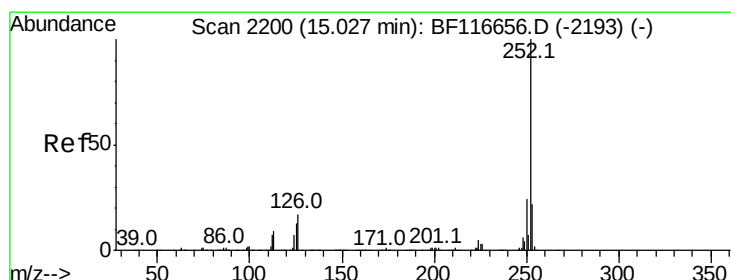
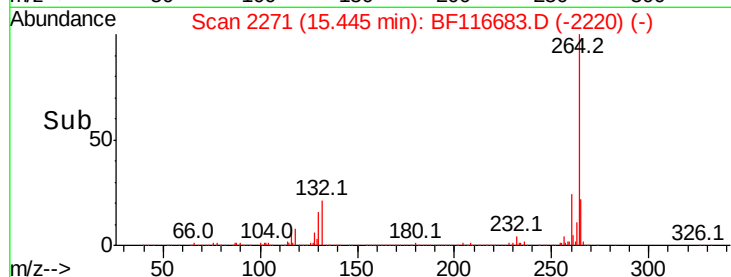
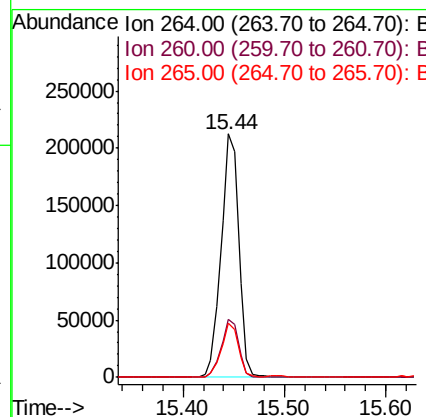
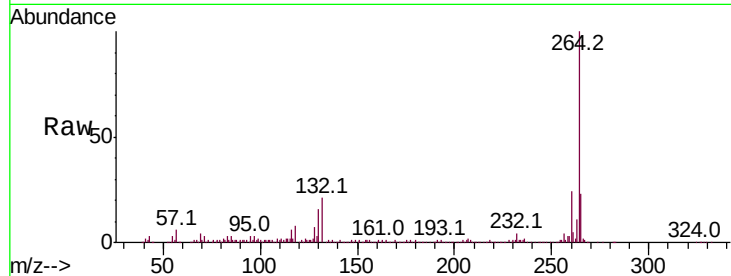
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	22.5	16.5	24.7

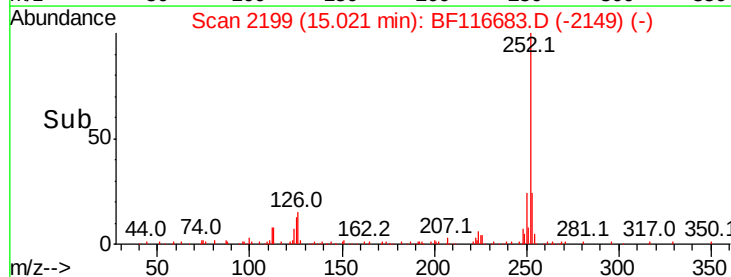
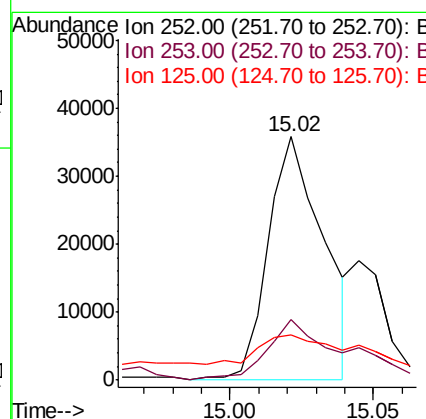
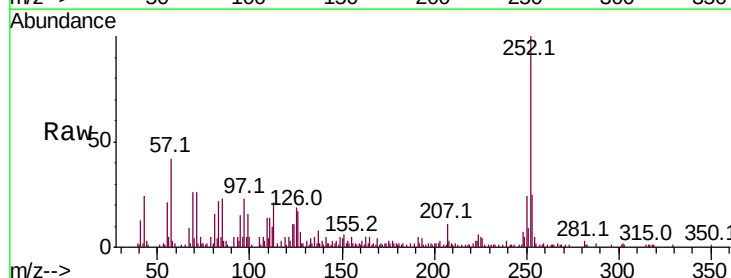
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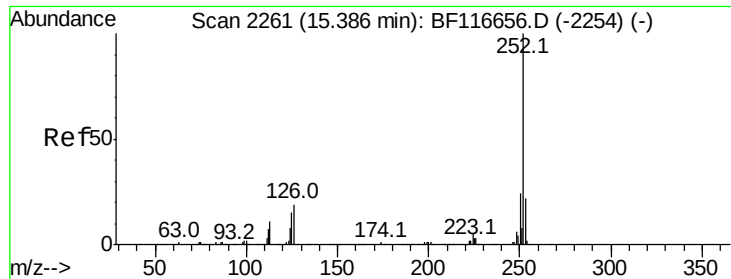
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#88
Benzo(b)fluoranthene
Concen: 3.077 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.7	26.5
125	18.7	8.2	12.2#





#90
 Benzo(a)pyrene
 Concen: 2.171 ng
 RT: 15.38 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BF116683.D
 Acq: 31 Aug 2019 6:28

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	18.1	27.1
125	19.0	9.8	14.8

Manual Integrations
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