

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116743.D
 Acq On : 1 Sep 2019 15:32
 Operator : HP/JU
 Sample : K4527-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:23 AM

Quant Time: Sep 02 05:46:10 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	99692	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	427810	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	233547	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	345907	20.00	ng	0.00
76) Chrysene-d12	14.02	240	164099	20.00	ng	0.02
87) Perylene-d12	15.54	264	156835	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	528032	85.81	ng	-0.01
7) Phenol-d6	6.47	99	730758	90.44	ng	-0.01
23) Nitrobenzene-d5	7.40	82	452730	60.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	154699	99.08	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	816227	58.96	ng	-0.01
79) Terphenyl-d14	12.96	244	556998	62.79	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	74579	4.625	ng	# 97
71) Phenanthrene	11.39	178	178754	9.283	ng	# 97
74) Di-n-butylphthalate	11.92	149	48903	2.066	ng	# 57
75) Fluoranthene	12.58	202	240064	12.686	ng	# 86
78) Pyrene	12.81	202	207591	14.231	ng	# 90
81) Benzo(a)anthracene	14.01	228	84619	8.148	ng	# 82
83) Chrysene	14.05	228	86886	8.120	ng	# 85
84) Bis(2-ethylhexyl)phthalate	14.00	149	162457	18.552	ng	# 98
88) Benzo(b)fluoranthene	15.09	252	90843m	9.581	ng	
89) Benzo(k)fluoranthene	15.11	252	30933m	3.578	ng	
90) Benzo(a)pyrene	15.47	252	57653	6.989	ng	# 1
92) Benzo(a,h,i)perylene	17.45	276	37624	5.109	ng	# 58

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

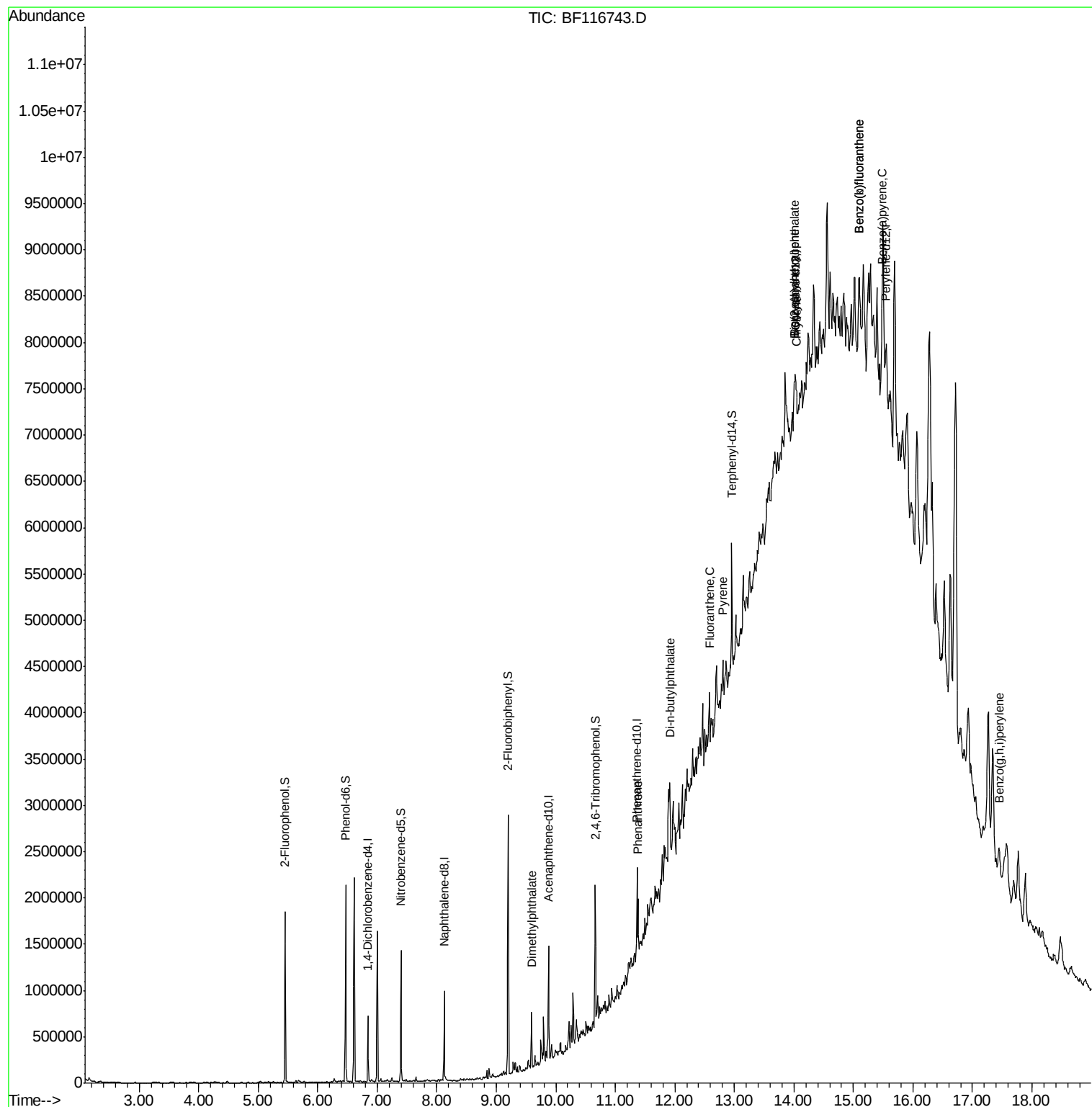
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116743.D
Acq On : 1 Sep 2019 15:32
Operator : HP/JU
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#1

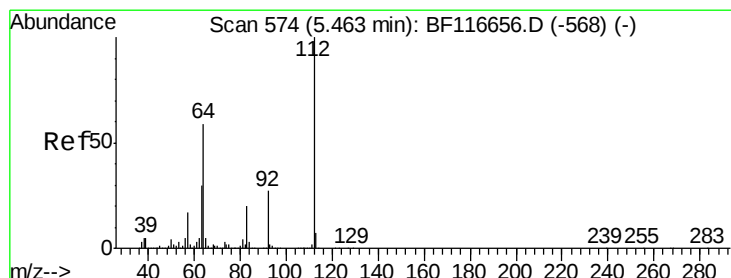
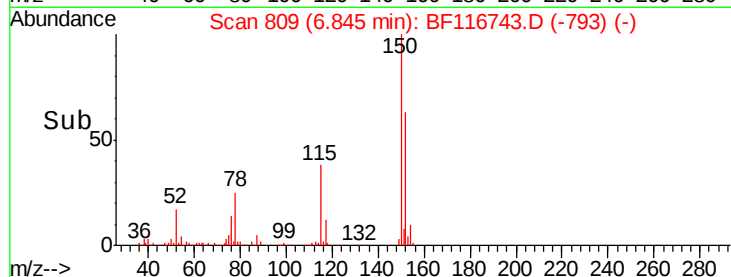
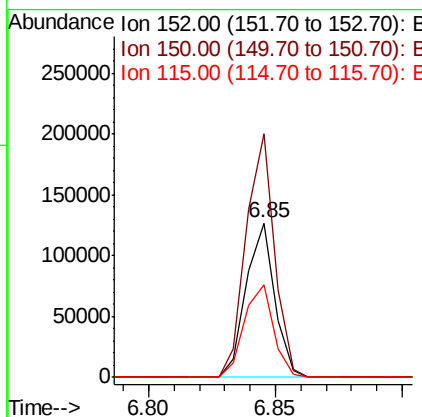
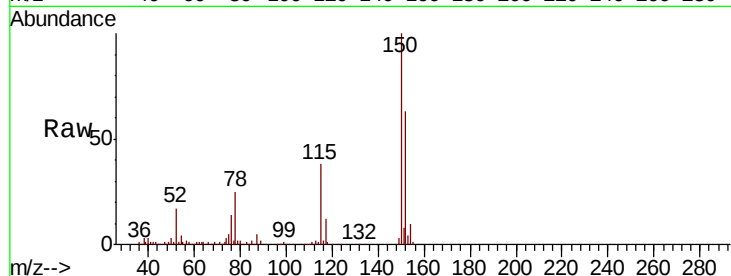
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.4	186.6
115	60.2	49.9	74.9

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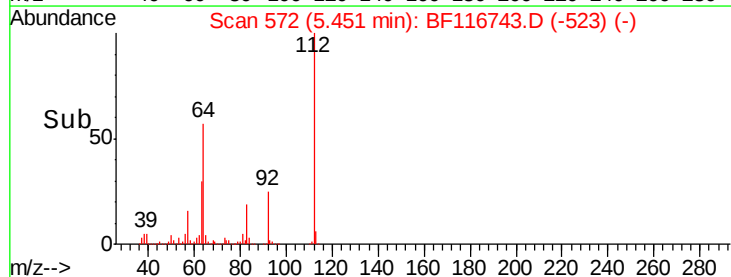
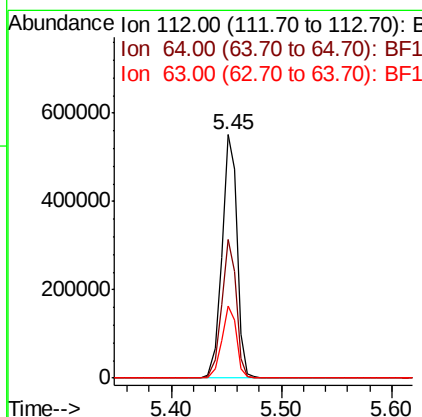
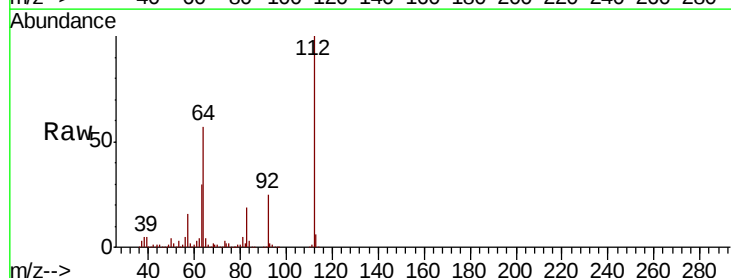
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#5

2-Fluorophenol
Concen: 85.808 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.1	70.7
63	29.8	24.9	37.3





#7

Phenol-d6

Concen: 90.436 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

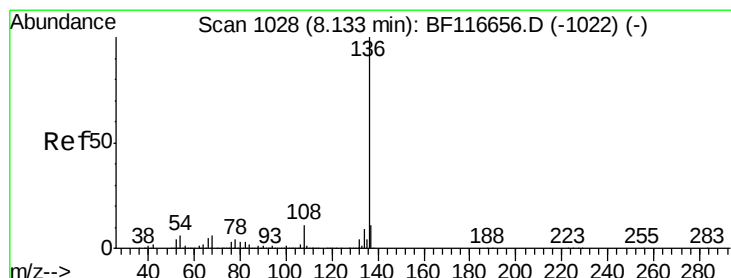
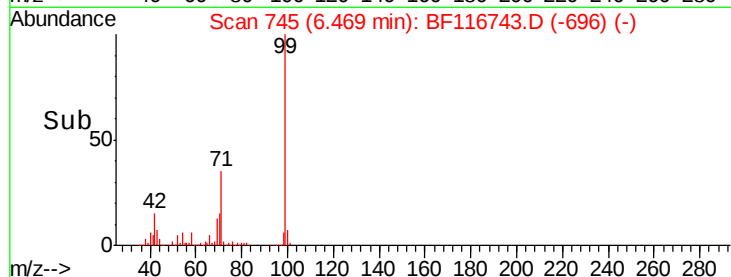
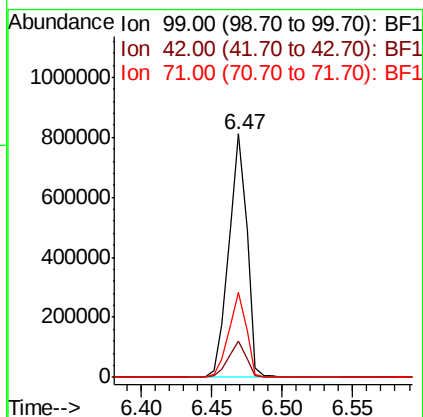
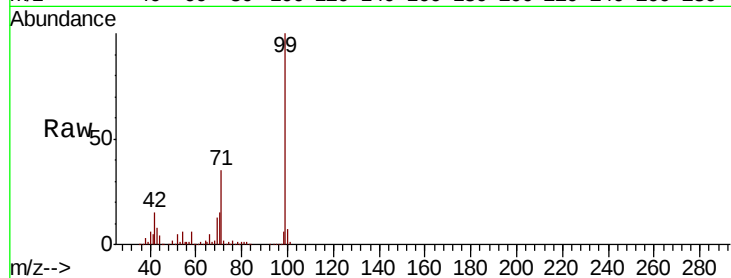
ClientSampleId :

T9-12-13-O-(0-1.9)

Tot Ion:	99	Resp:	730758
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.7	20.5
71	34.7	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

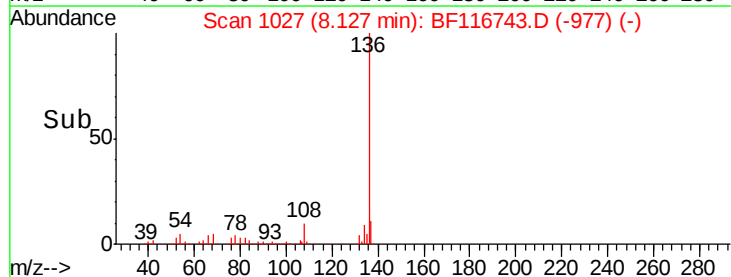
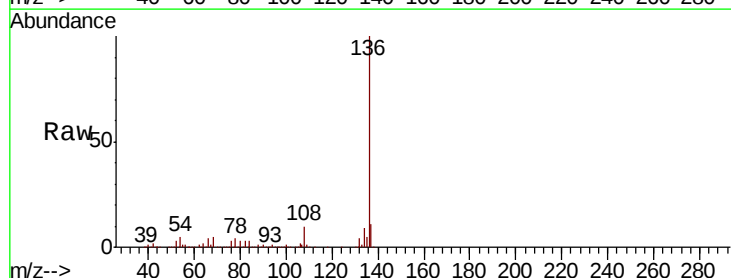
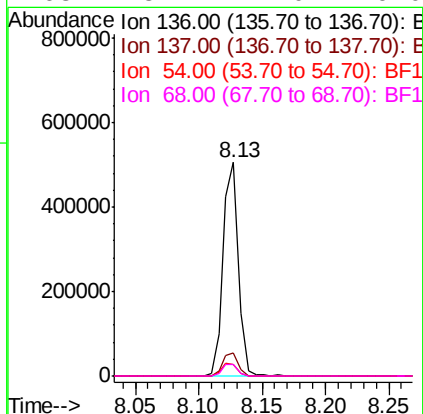
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Tgt Ion:	136	Resp:	427810
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	5.4	4.8	7.2
68	5.2	4.0	6.0





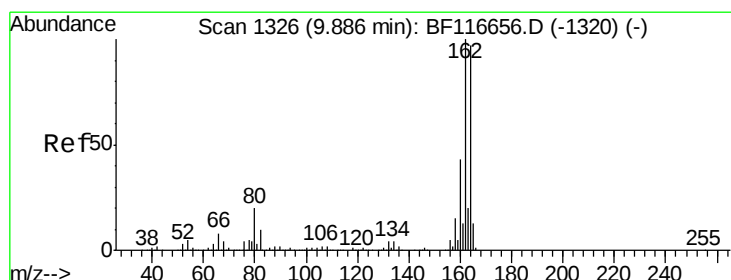
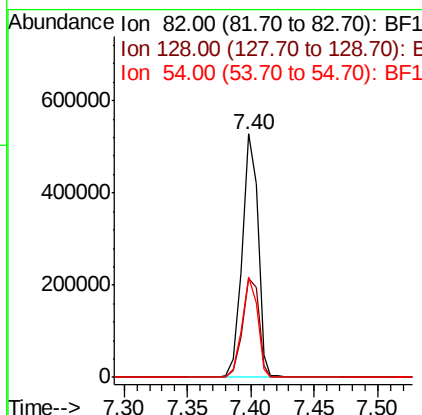
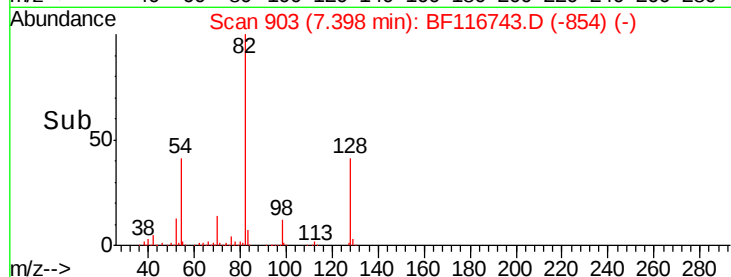
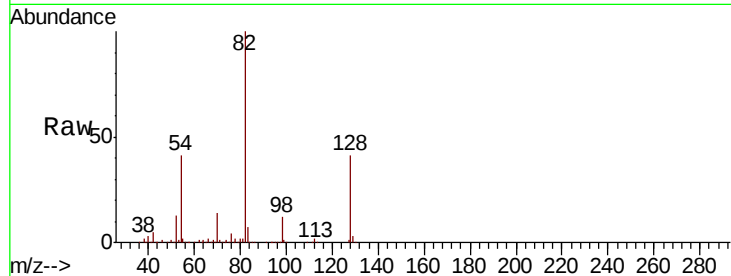
#23
 Nitrobenzene-d5
 Concen: 60.413 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF116743.D
 Acq: 1 Sep 2019 15:32

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.7	32.8	49.2		
54	41.4	36.9	55.3		

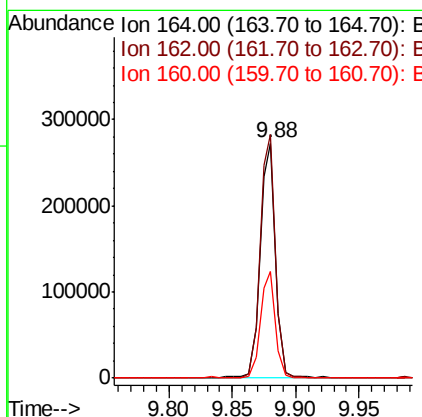
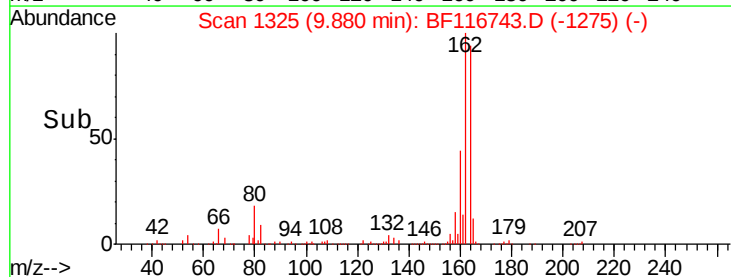
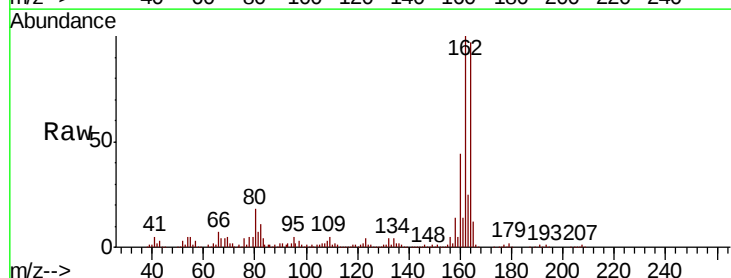
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116743.D
 Acq: 1 Sep 2019 15:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	103.6	81.4	122.0		
160	45.2	35.4	53.2		





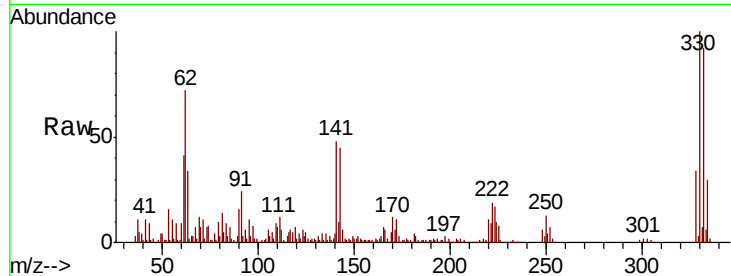
#42
 2,4,6-Tribromophenol
 Concen: 99.083 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116743.D
 Acq: 1 Sep 2019 15:32

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

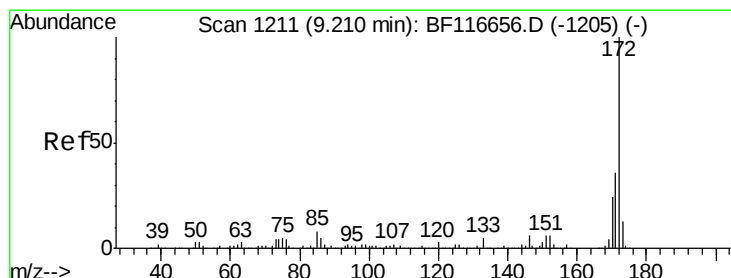
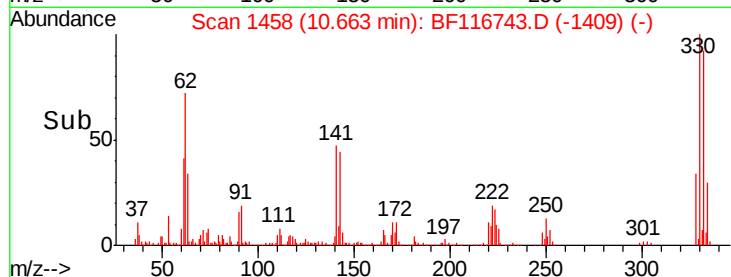
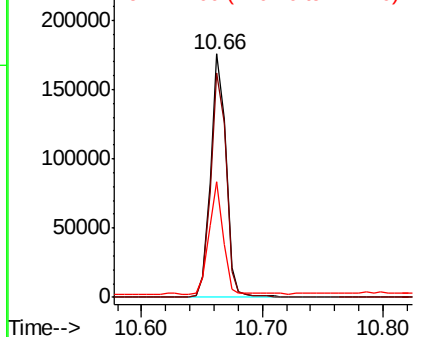
Tot Ion	Ratio	Resp	Lower	Upper
330	100	154699		
332	93.5	76.9	115.3	
141	42.8	31.4	47.2	

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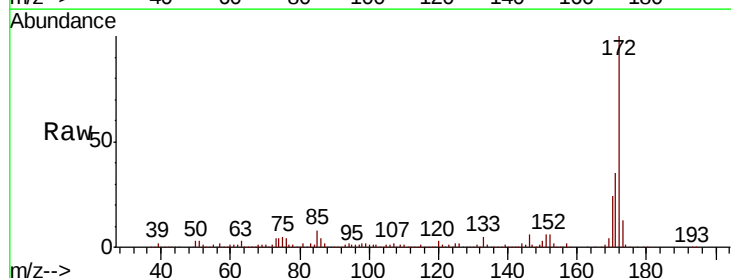


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

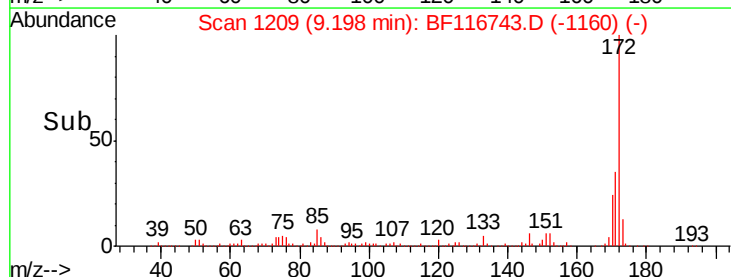
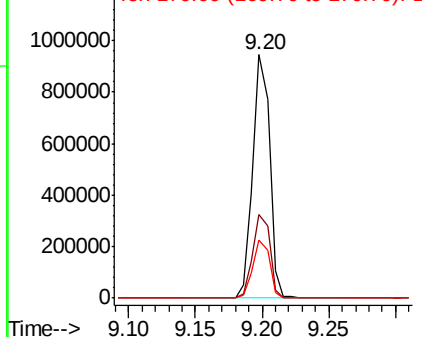


#45
 2-Fluorobiphenyl
 Concen: 58.956 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116743.D
 Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	816227		
171	34.6	27.8	41.6	
170	23.8	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





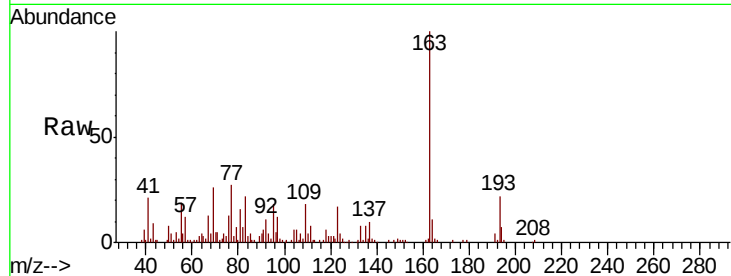
#50
Dimethylphthalate
Concen: 4.625 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	74579		
194	6.7		2.8	4.2#
164	10.6		8.6	12.8

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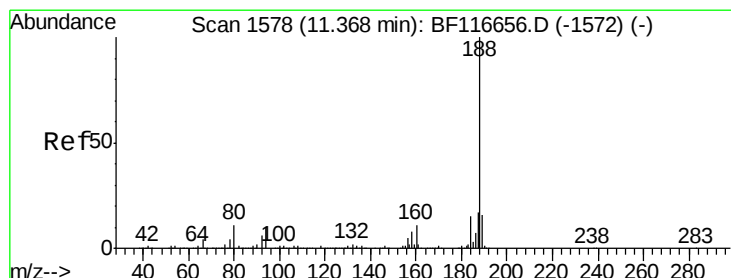
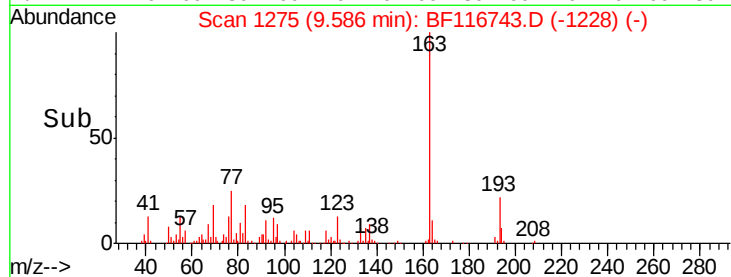
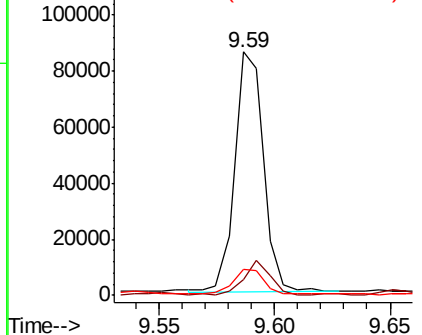


Abundance

Ion 163.00 (162.70 to 163.70): E

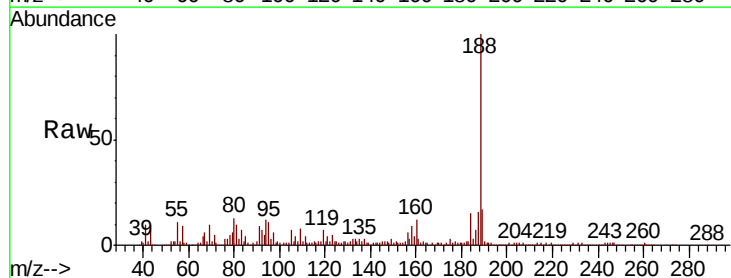
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	345907		
94	12.1		7.3	10.9#
80	12.8		8.4	12.6#

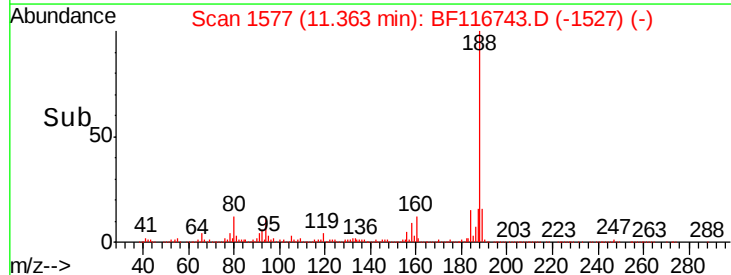
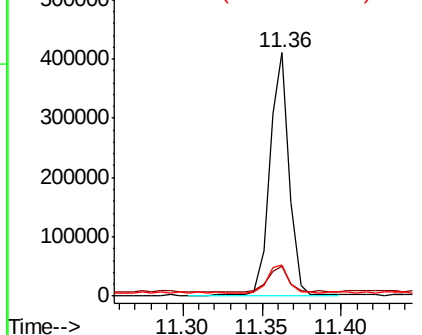


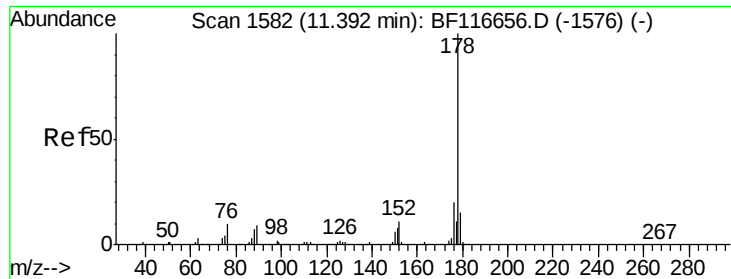
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





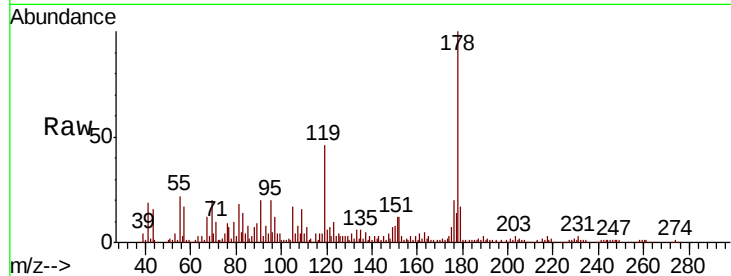
#71
Phenanthrene
Concen: 9.283 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	17.1	12.2	18.2

Manual Integrations
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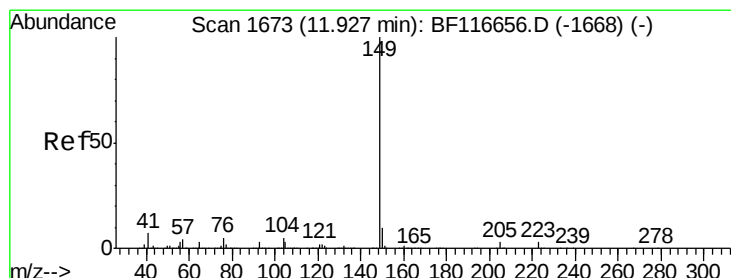
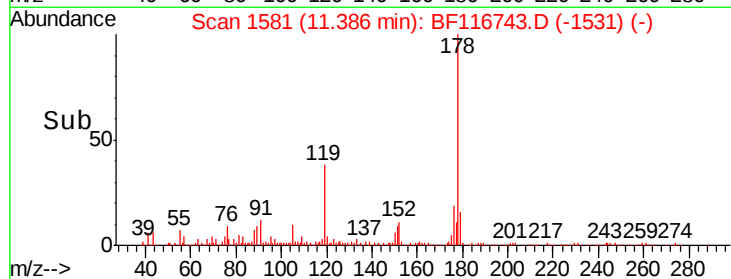
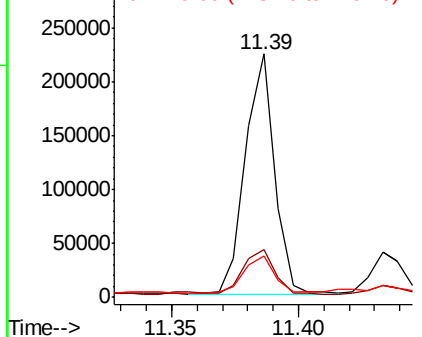


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Di-n-butylphthalate
Concen: 2.066 ng
RT: 11.92 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

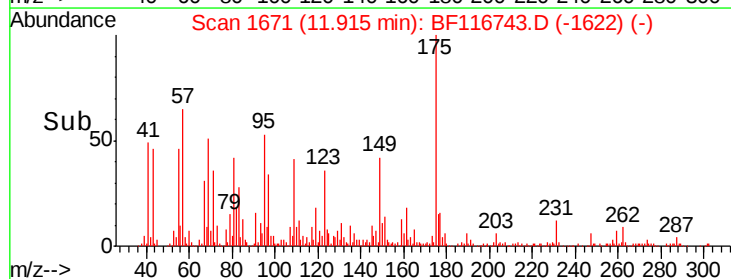
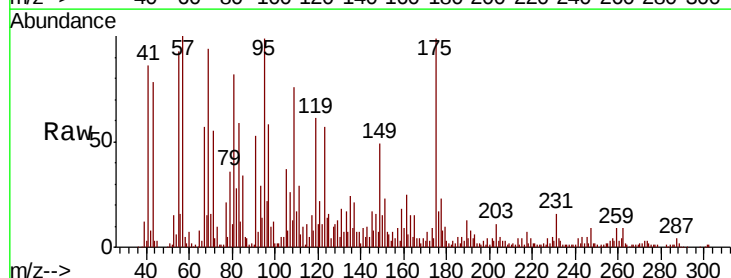
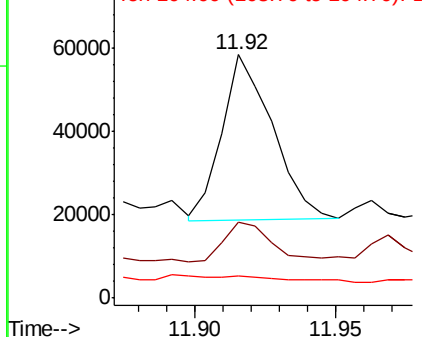
Tgt Ion	Ratio	Lower	Upper
149	100		
150	31.2	7.2	10.8#
104	9.3	4.2	6.2#

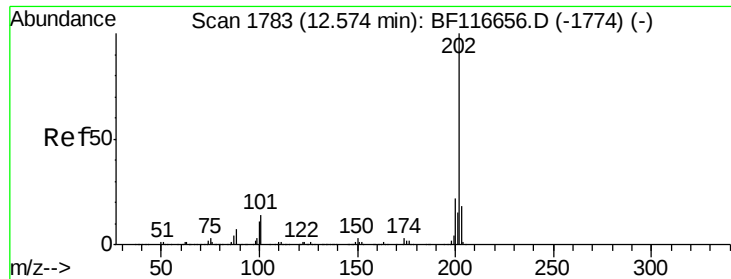
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 12.686 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

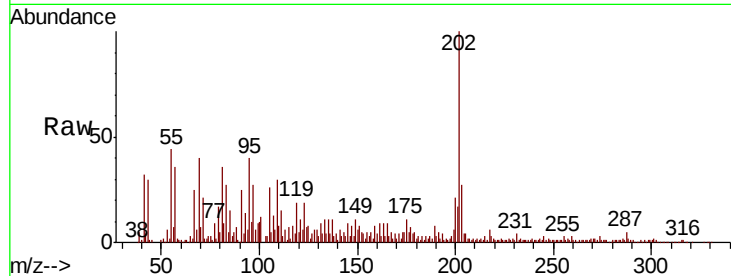
ClientSampleId :

T9-12-13-O-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	240064		
101	12.4	0.0	31.3	
203	26.6	0.0	37.6	

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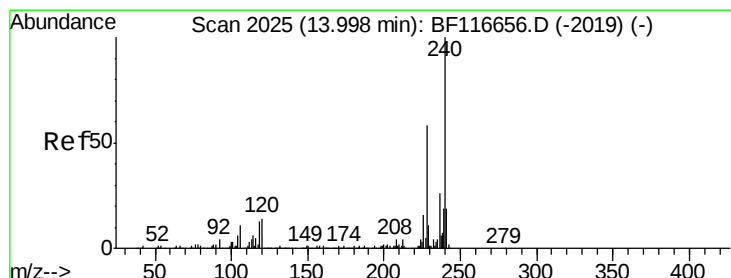
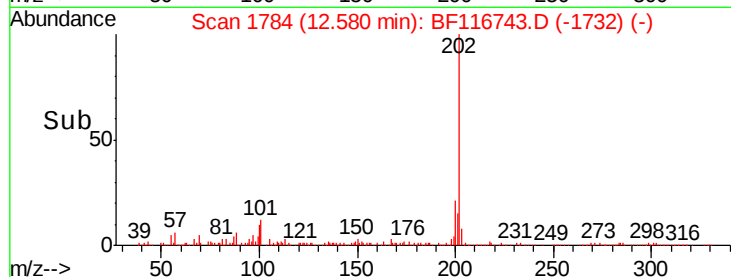
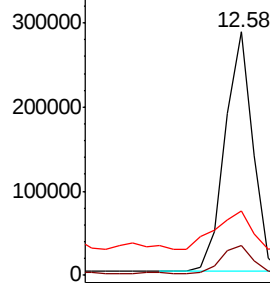


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

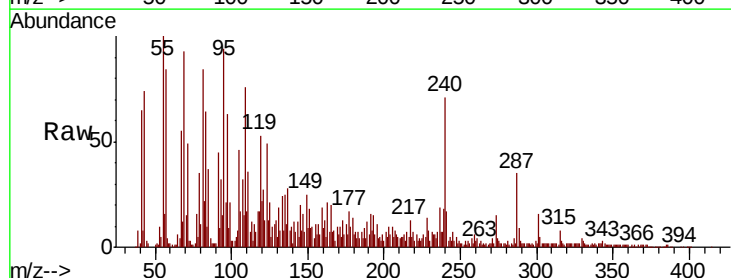
RT: 14.02 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	164099		
120	30.4	9.1	13.7#	
236	27.5	21.1	31.7	

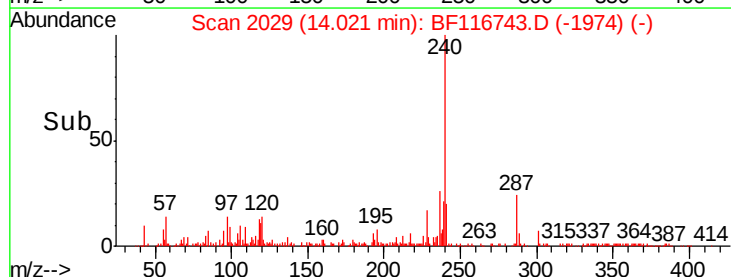
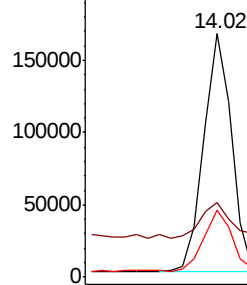


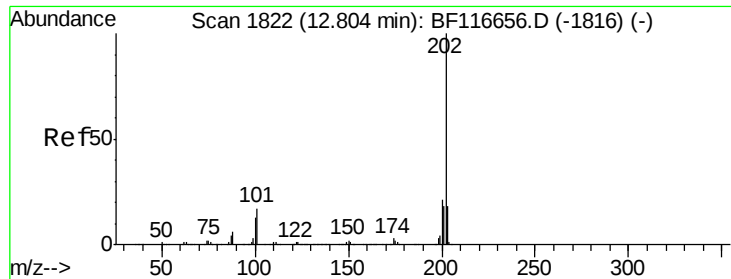
Abundance

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





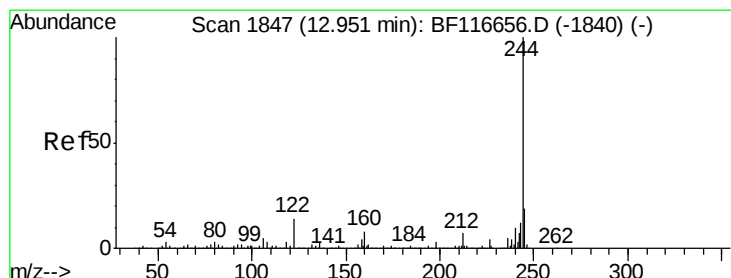
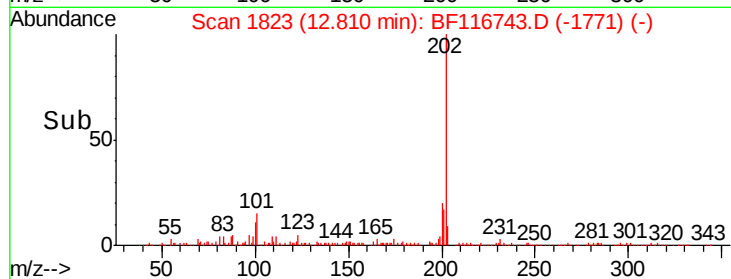
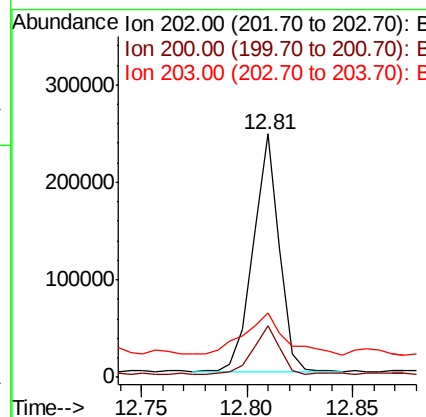
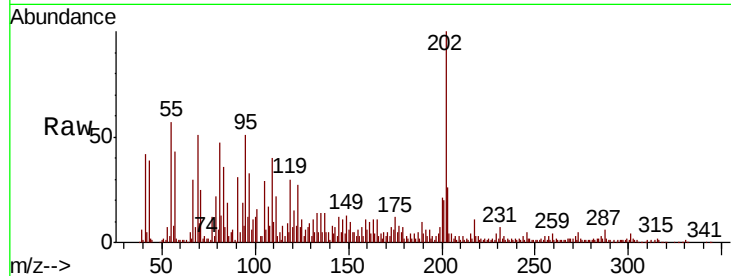
#78
Pvrene
Concen: 14.231 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	16.5	24.7
203	26.3	13.7	20.5

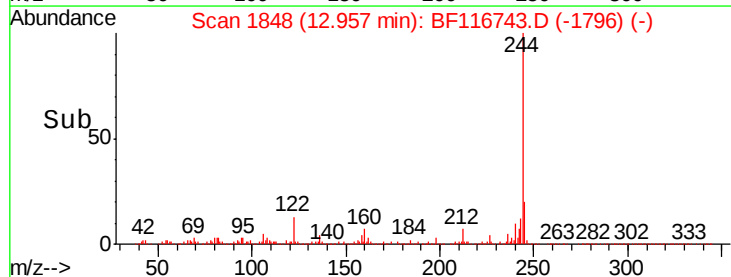
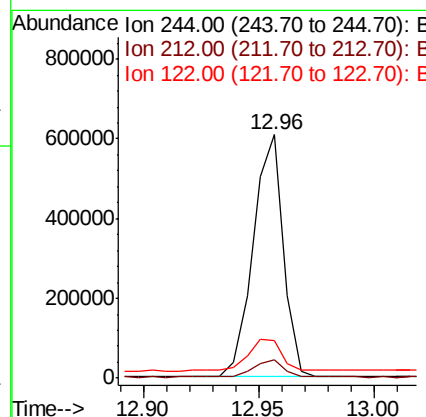
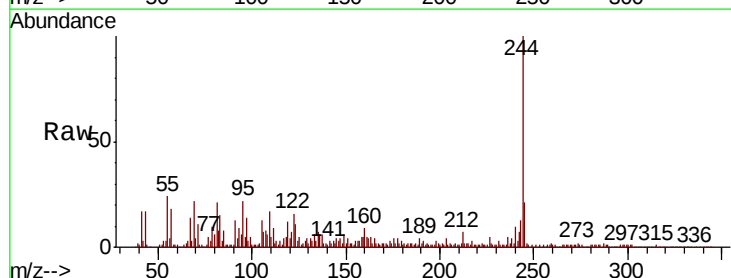
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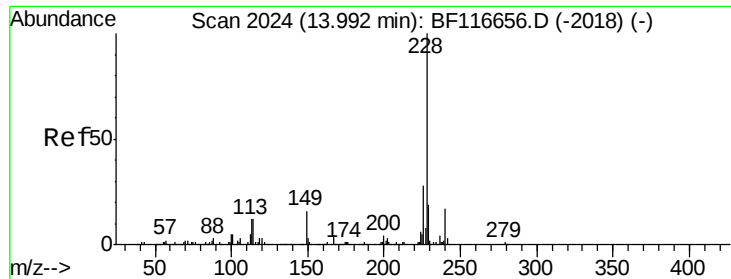
mohammad
9/5/2019 9:54:23 AM



#79
Terphenyl-d14
Concen: 62.792 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.1	9.1
122	15.7	10.2	15.4





#81

Benzo(a)anthracene

Concen: 8.148 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

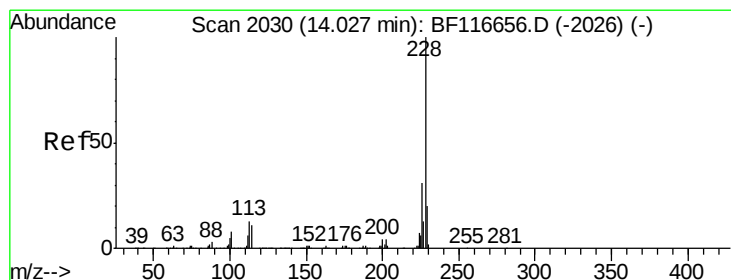
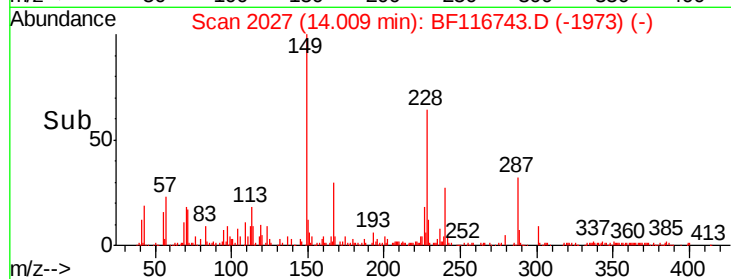
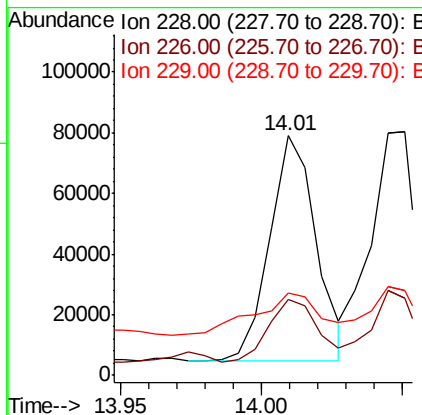
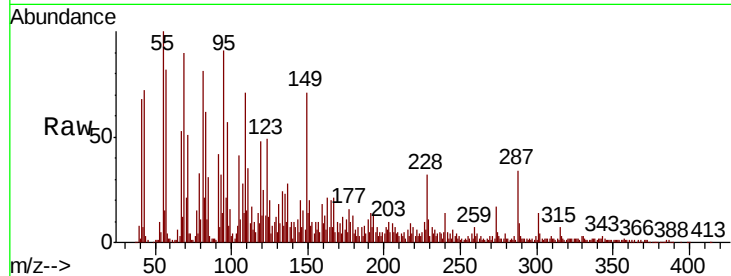
ClientSampleId :

T9-12-13-O-(0-1.9)

Tot Ion:	228	Resp:	84619
Ion Ratio	Lower	Upper	
228	100		
226	31.9	22.0	33.0
229	34.5	16.4	24.6

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#83

Chrysene

Concen: 8.120 ng

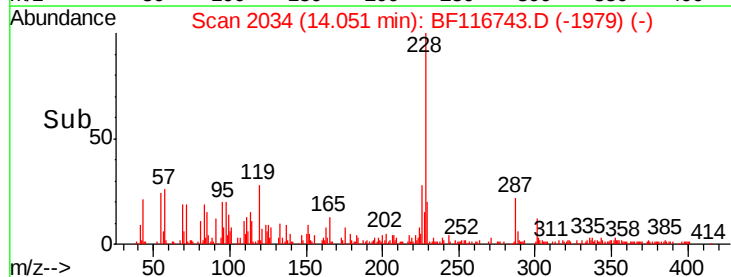
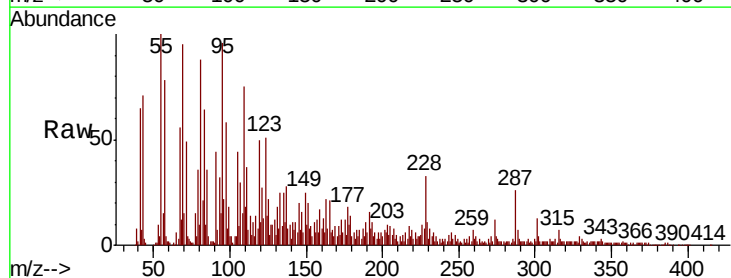
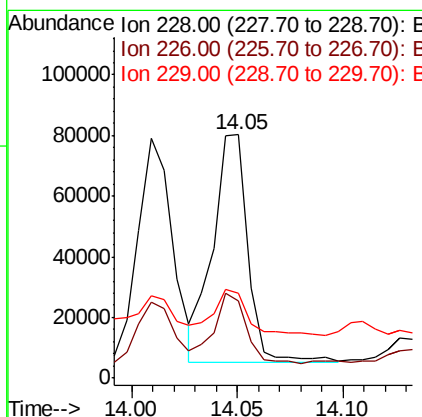
RT: 14.05 min Scan# 2034

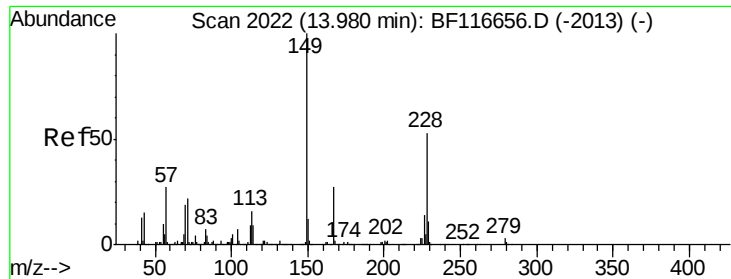
Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Tgt Ion:	228	Resp:	86886
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.0	36.0
229	35.0	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.552 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

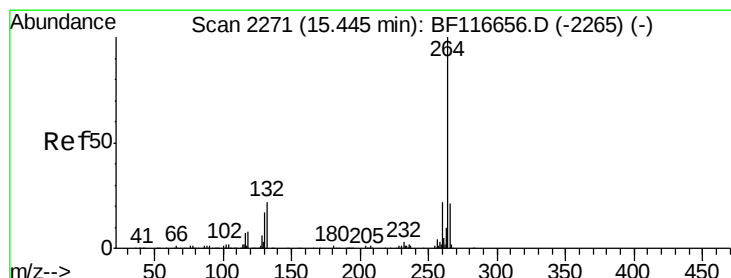
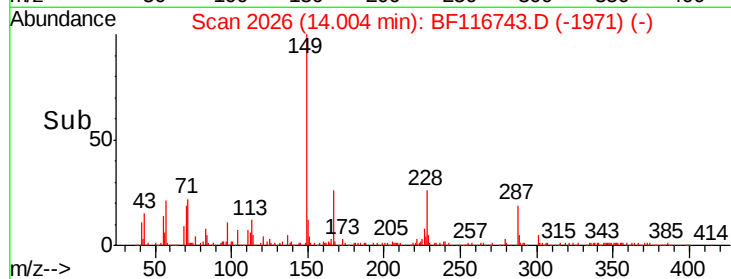
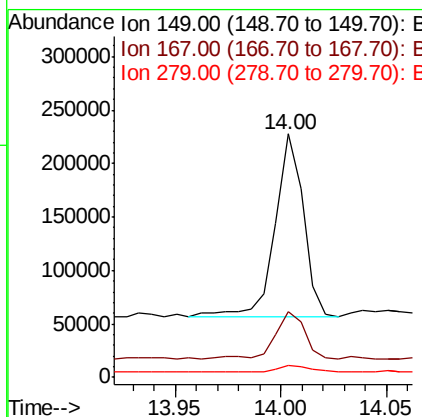
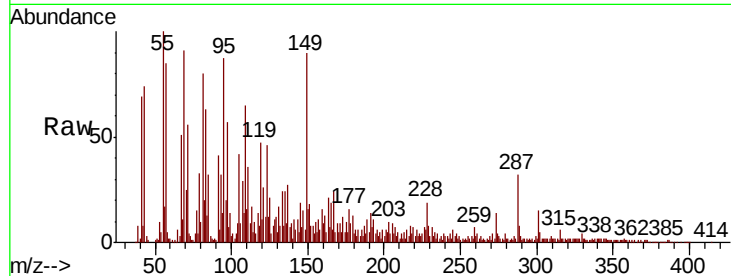
ClientSampleId :

T9-12-13-O-(0-1.9)

Tot Ion:	149	Resp:	162457
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.0	31.4
279	4.8	2.8	4.2#

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#87

Perylene-d12

Concen: 20.000 ng

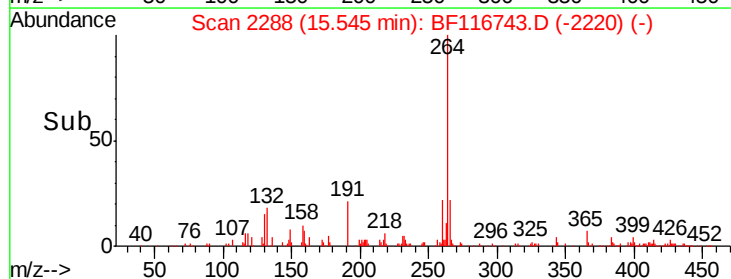
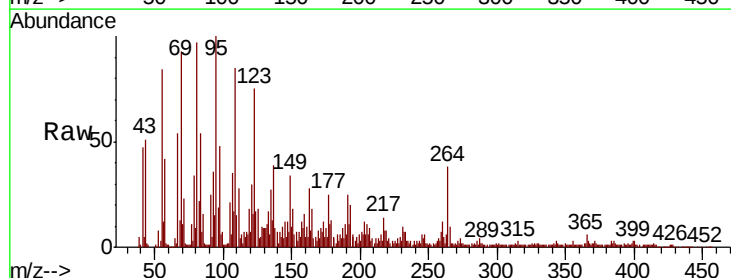
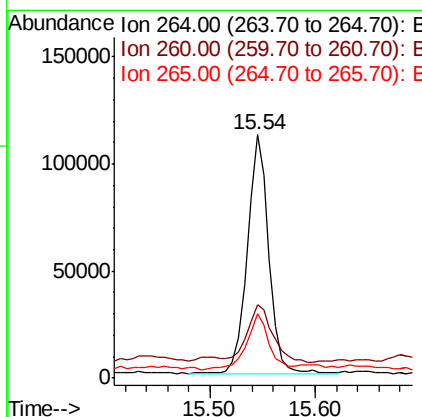
RT: 15.54 min Scan# 2288

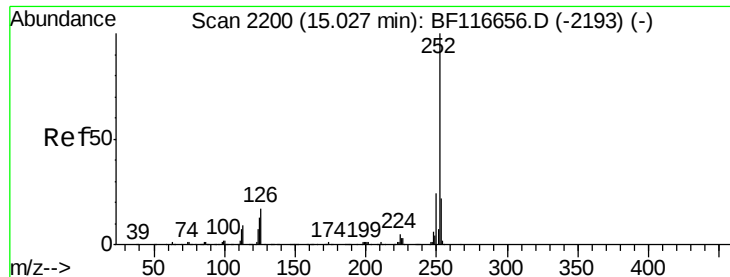
Delta R.T. 0.10 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Tgt Ion:	264	Resp:	156835
Ion Ratio	Lower	Upper	
264	100		
260	30.0	18.3	27.5#
265	26.3	16.5	24.7#





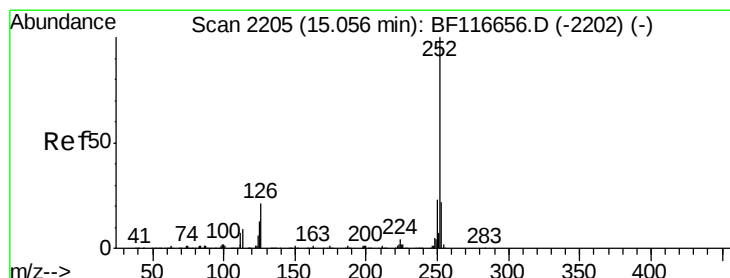
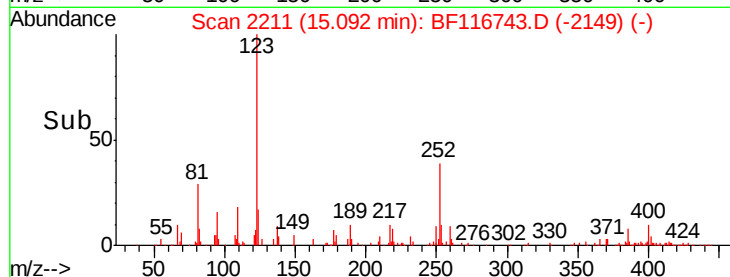
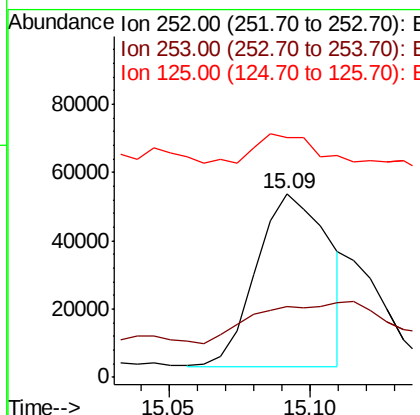
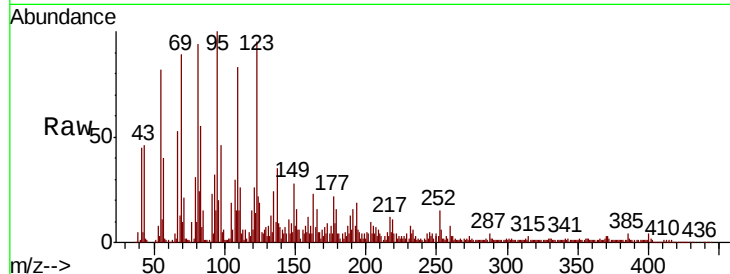
#88
Benzo(b)fluoranthene
Concen: 9.581 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.06 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.3	17.7	26.5#
125	130.8	8.2	12.2#

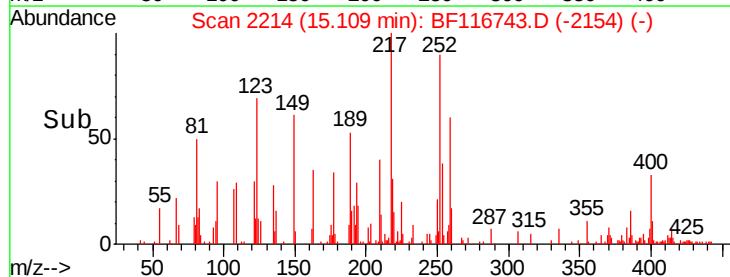
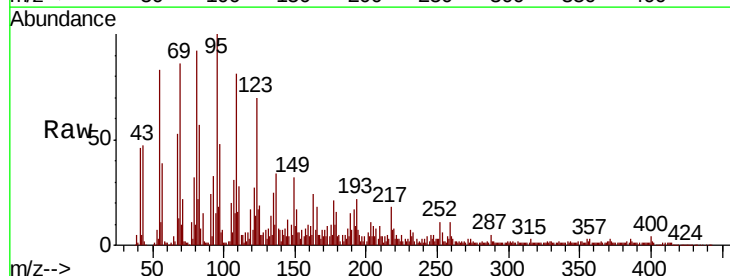
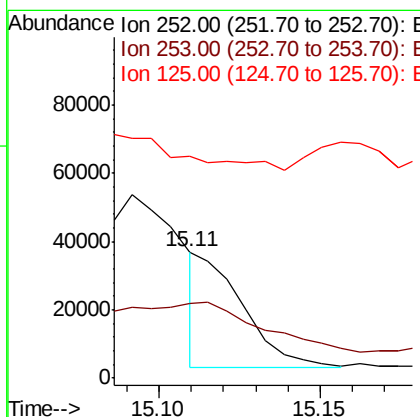
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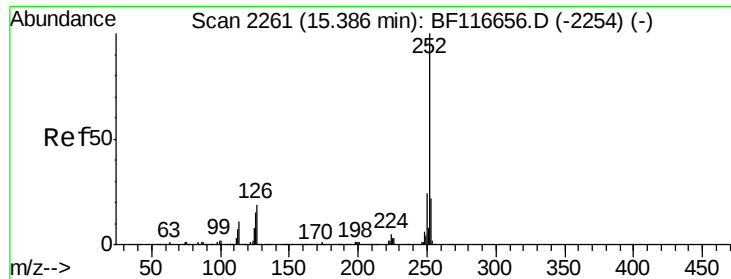
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#89
Benzo(k)fluoranthene
Concen: 3.578 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.05 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	59.5	17.7	26.5#
125	175.8	8.6	13.0#





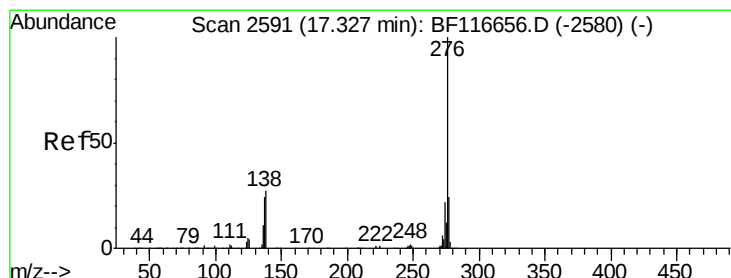
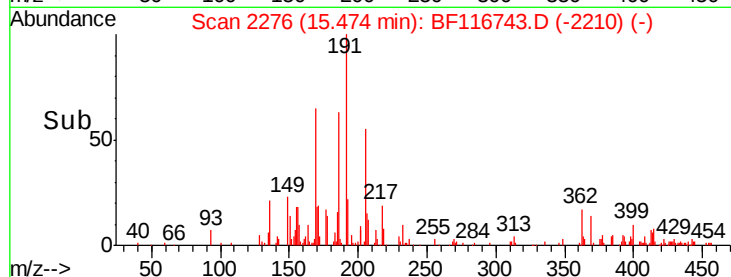
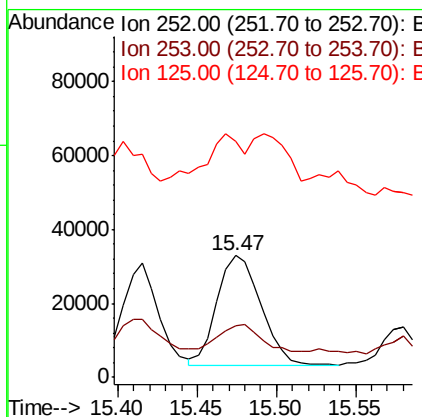
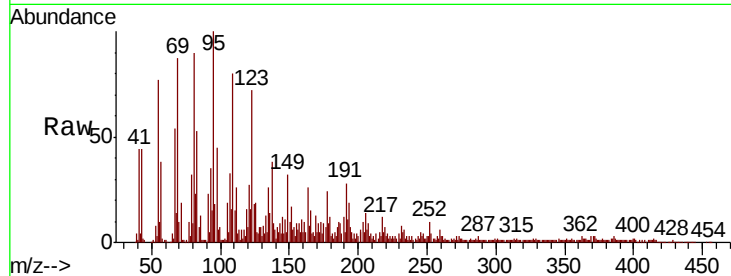
#90
Benzo(a)pyrene
Concen: 6.989 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.09 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	42.4	18.1	27.1#
125	193.7	9.8	14.8#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.109 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.12 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.0	18.5	27.7#
138	54.5	16.2	24.2#

