

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116456.D
 Acq On : 21 Aug 2019 3:08
 Operator : HP/JU
 Sample : K4354-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PX-03-081319

Manual Integrations
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 8/21/2019 3:51:27 PM

Quant Time: Aug 21 07:16:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	96331	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	392913	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	226313	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	440387	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	315547	20.00	ng	-0.02
87) Perylene-d12	15.42	264	338137	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	244060	42.41	ng	0.00
7) Phenol-d6	6.45	99	351752	48.45	ng	-0.01
23) Nitrobenzene-d5	7.37	82	212308	31.19	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	99636	45.41	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	379748	31.43	ng	-0.02
79) Terphenyl-d14	12.90	244	485155	32.40	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.55	163	82775	5.372	ng	99
71) Phenanthrene	11.35	178	415747	18.467	ng	98
72) Anthracene	11.40	178	98200	4.310	ng	96
73) Carbazole	11.56	167	42637	2.063	ng	99
75) Fluoranthene	12.54	202	611627	25.950	ng	100
78) Pyrene	12.76	202	550520	23.144	ng	98
81) Benzo(a)anthracene	13.96	228	285592	14.160	ng	98
83) Chrysene	13.99	228	265254	13.547	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	129739	7.889	ng	96
88) Benzo(b)fluoranthene	15.00	252	312953m	16.007	ng	
89) Benzo(k)fluoranthene	15.03	252	100523m	5.279	ng	
90) Benzo(a)pyrene	15.36	252	226487	12.959	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	42095m	2.782	ng	
92) Benzo(g,h,i)perylene	17.33	276	116363	7.832	ng	94

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

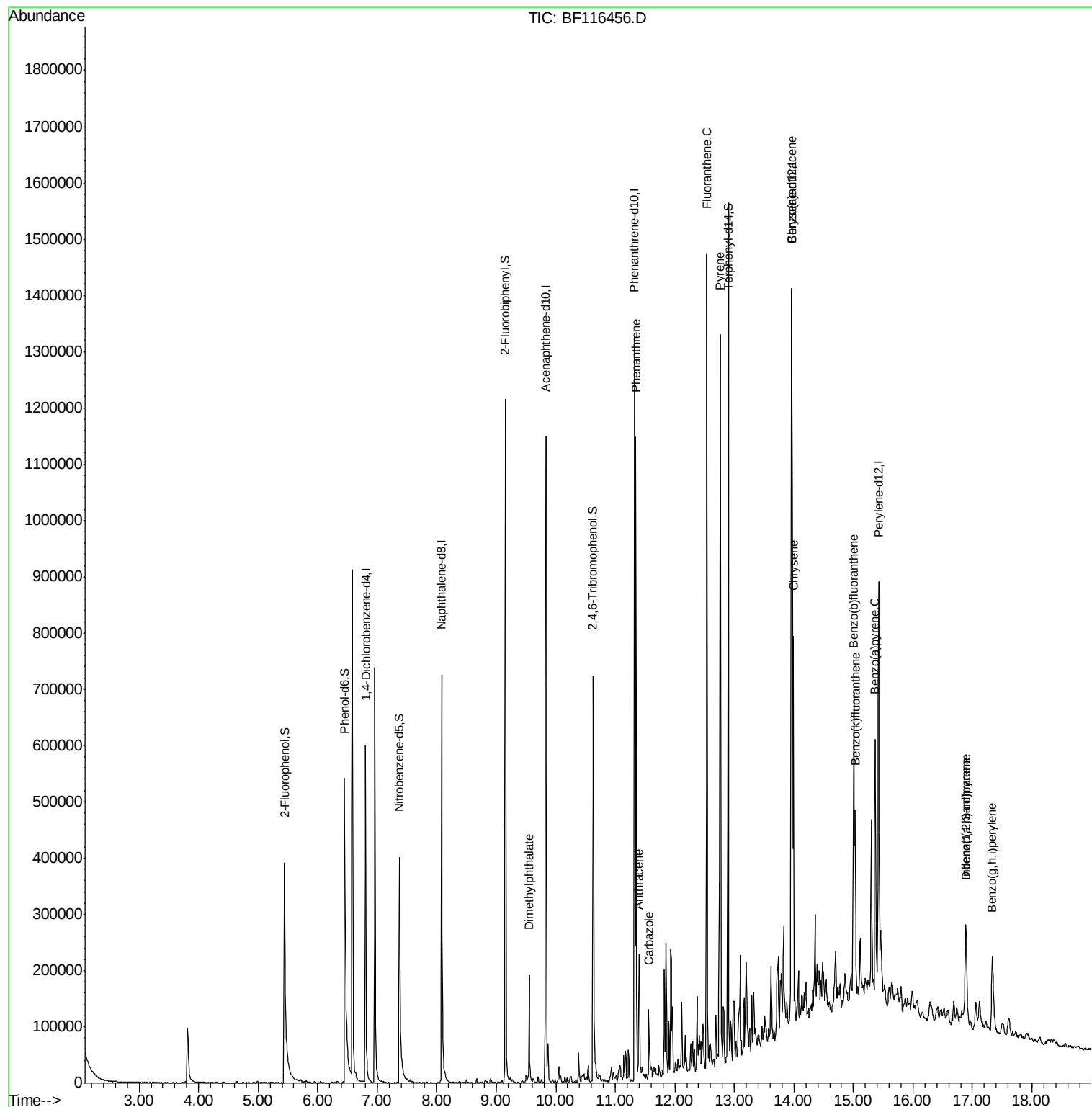
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
Data File : BF116456.D
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ALS Vial : 21 Sample Multiplier: 1

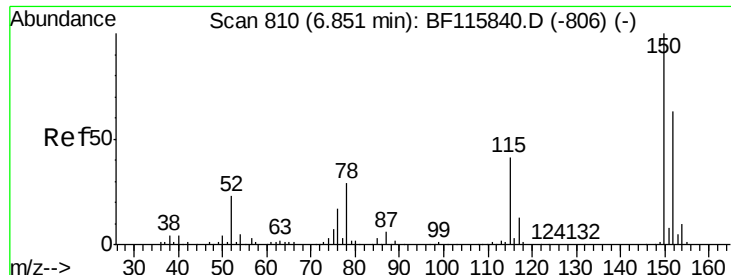
Instrument :
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#1

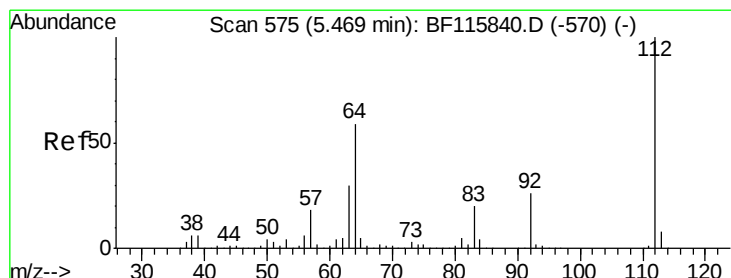
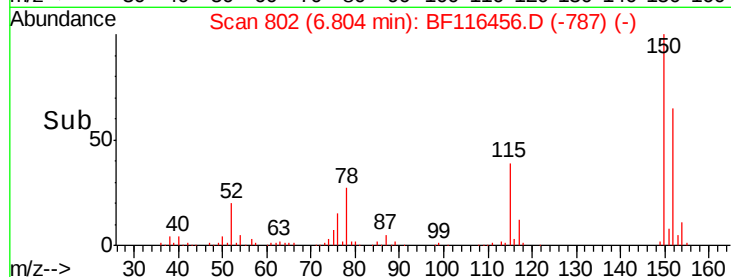
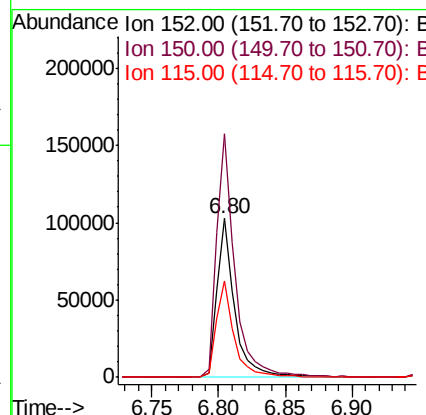
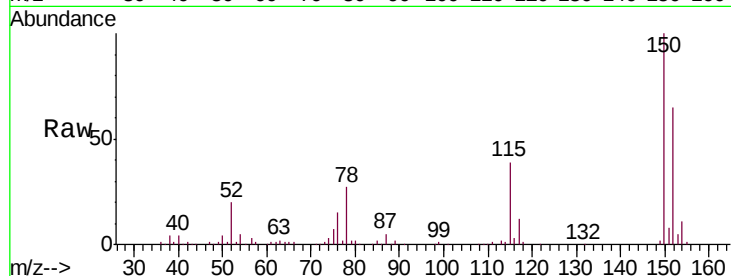
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Instrument :
BNA_F
ClientSampleId :
PX-03-081319

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.2	189.2
115	60.4	49.9	74.9

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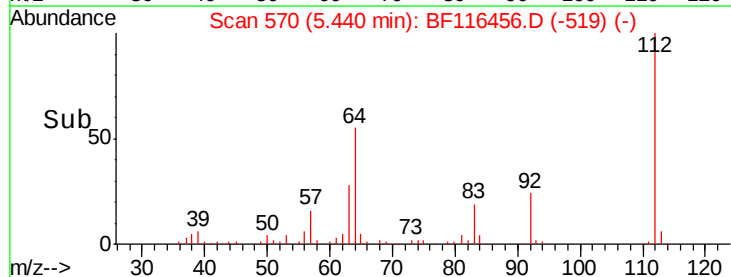
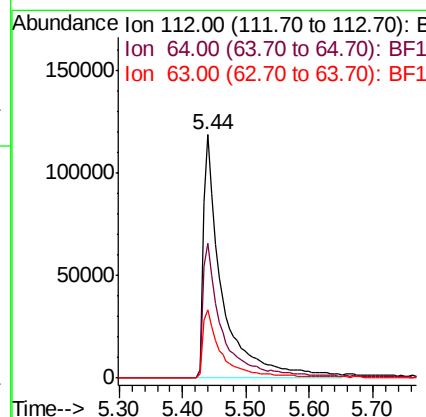
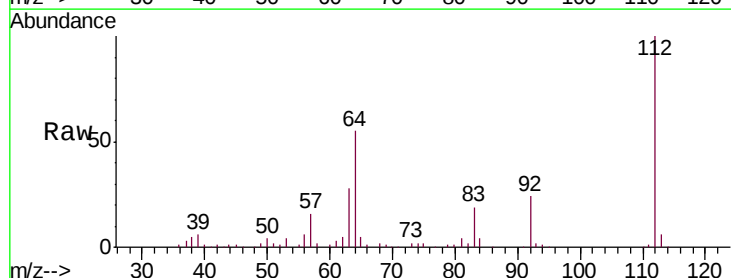
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#5

2-Fluorophenol
Concen: 42.413 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.2
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 48.450 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Instrument :

BNA_F

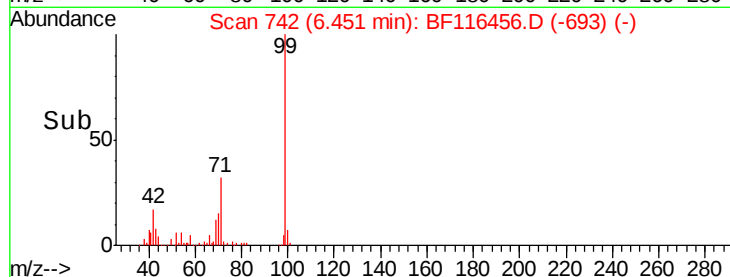
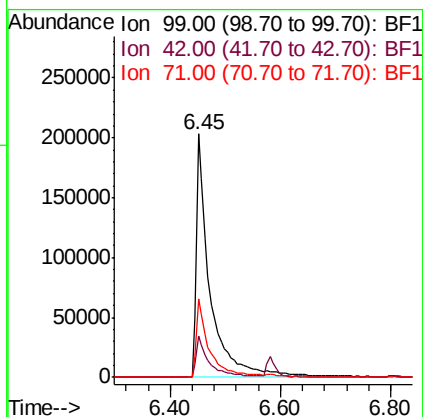
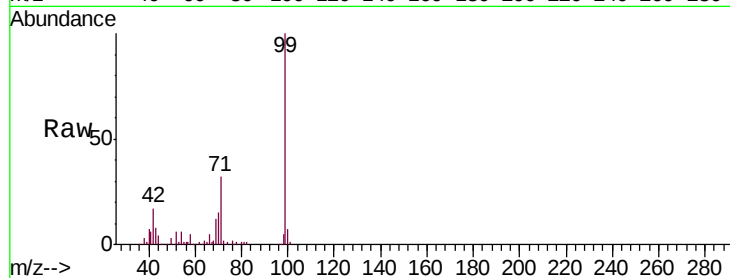
ClientSampled :

PX-03-081319

Tot Ion:	99	Resp:	351752
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.8	20.8
71	32.3	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

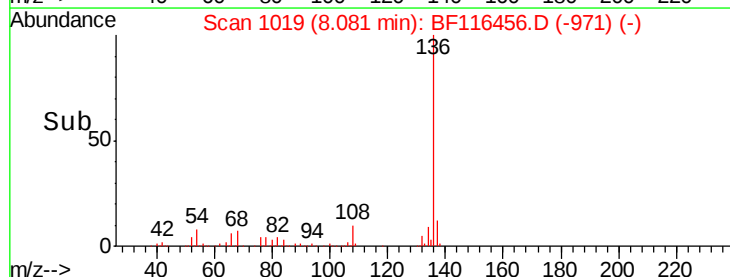
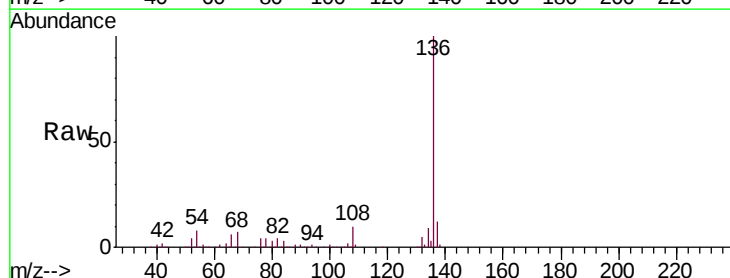
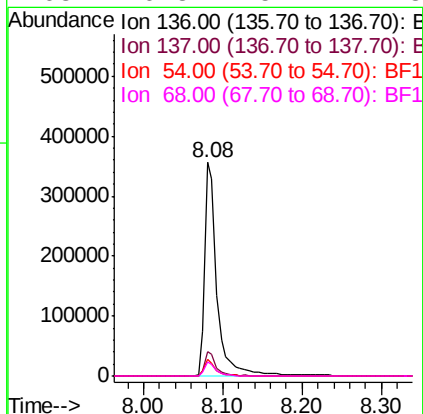
RT: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Tgt Ion:	136	Resp:	392913
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	7.6	5.8	8.6
68	6.8	5.2	7.8





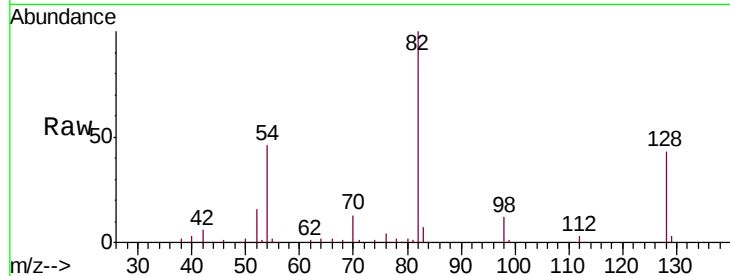
#23
 Nitrobenzene-d5
 Concen: 31.190 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 PX-03-081319

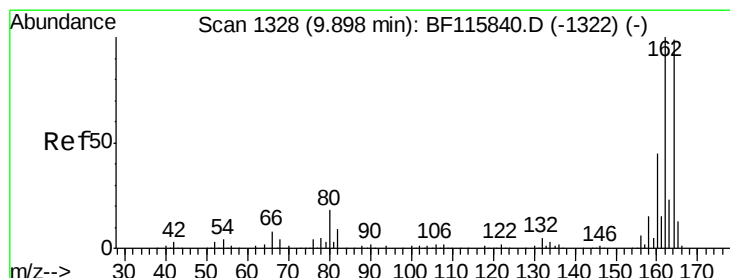
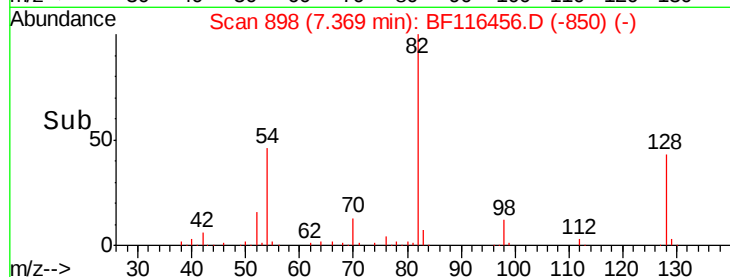
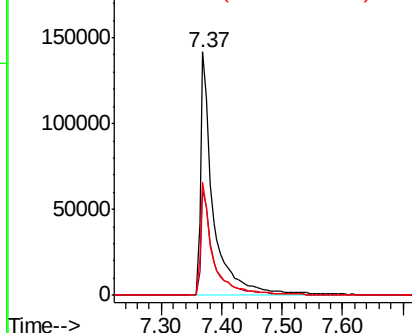
Tot Ion:	82	Resp:	212308
Ion Ratio	Lower	Upper	
82	100		
128	43.2	36.5	54.7
54	46.3	36.0	54.0

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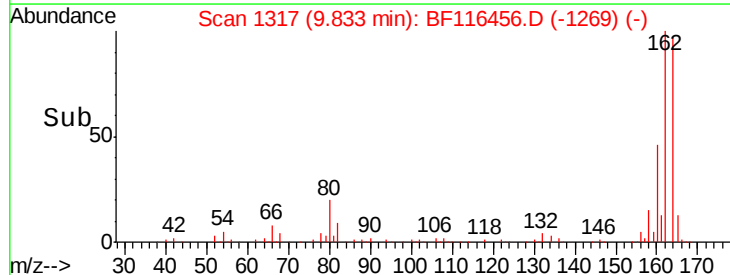
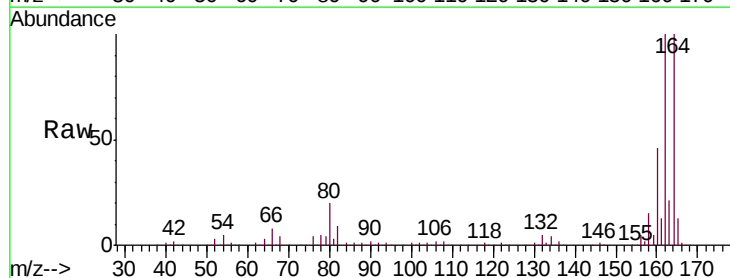
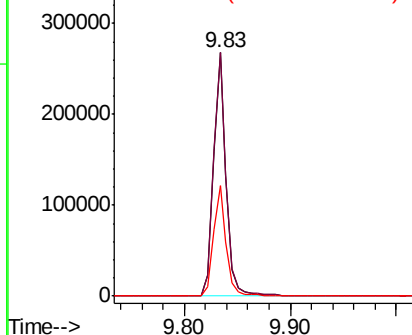
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Tgt Ion:	164	Resp:	226313
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.6	124.0
160	45.6	37.6	56.4

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 45.409 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Instrument :

BNA_F

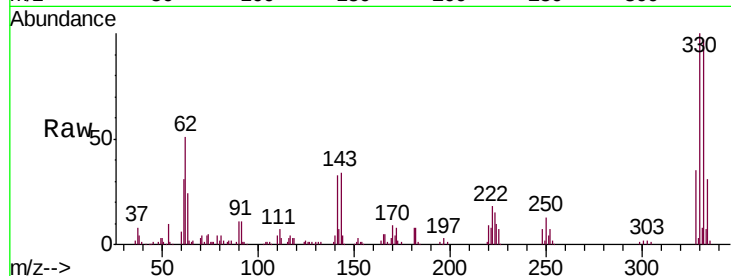
ClientSampleId :

PX-03-081319

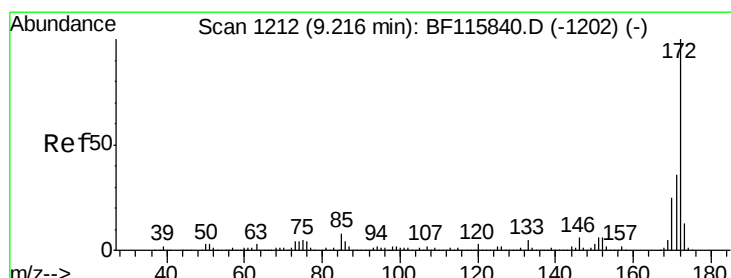
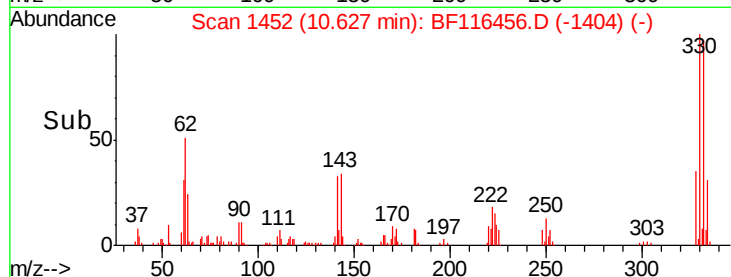
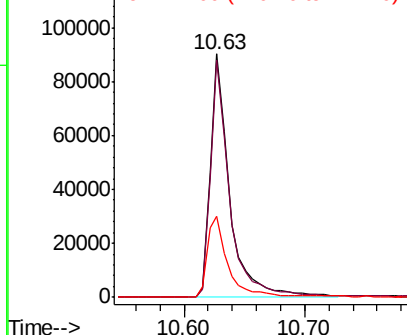
Tot Ion:	330	Resp:	99636
Ion Ratio	Lower	Upper	
330	100		
332	99.2	76.8	115.2
141	36.7	26.3	39.5

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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: 31.430 ng

RT: 9.15 min Scan# 1201

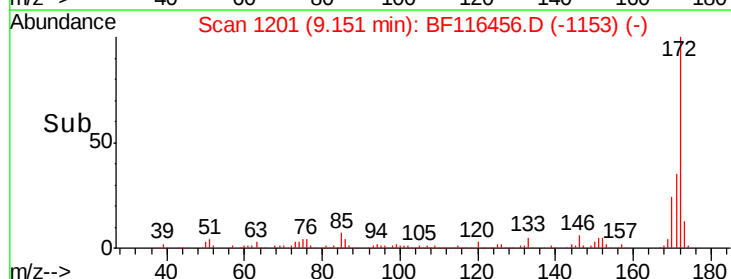
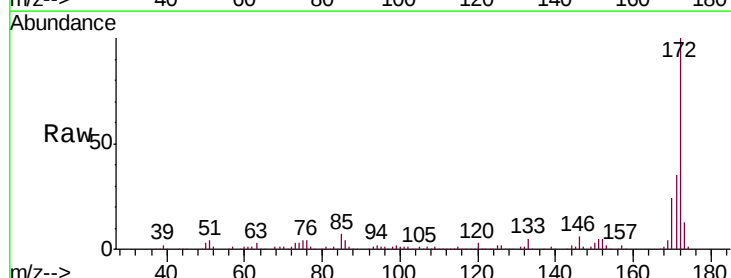
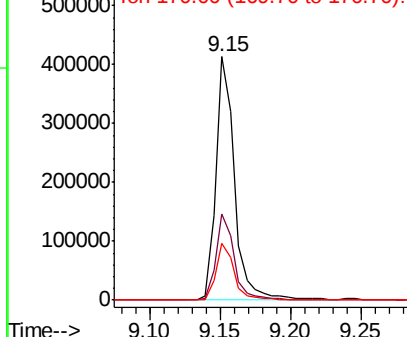
Delta R.T. -0.02 min

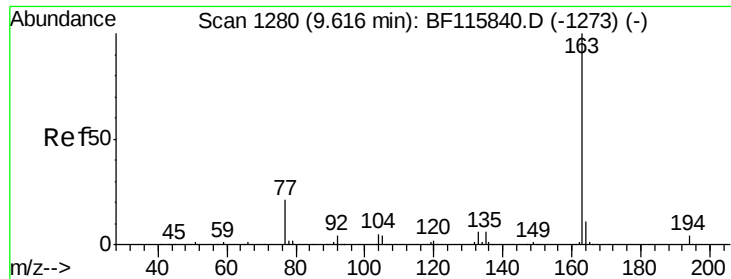
Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Tgt Ion:	172	Resp:	379748
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	23.5	20.1	30.1

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





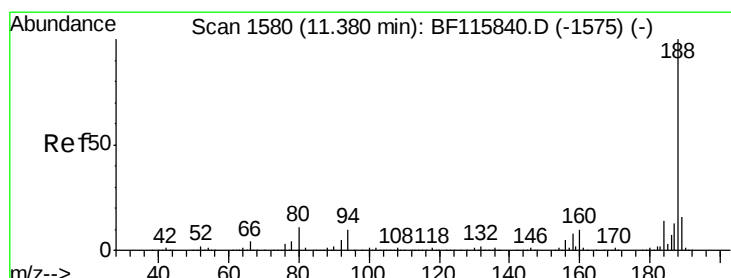
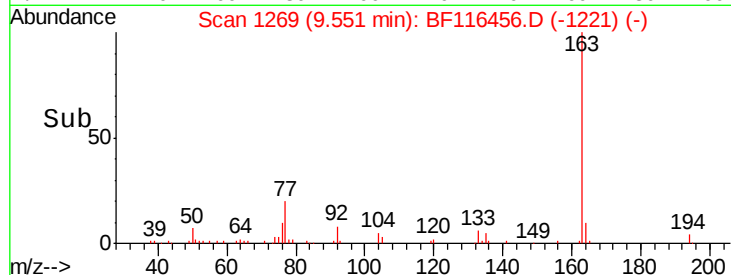
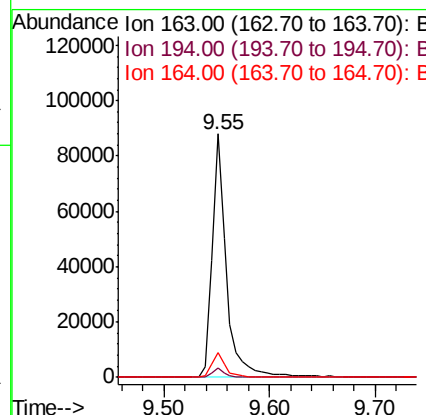
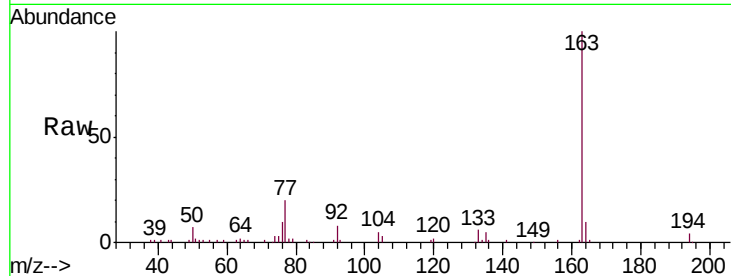
#50
Dimethylphthalate
Concen: 5.372 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Instrument :
BNA_F
ClientSampleId :
PX-03-081319

Tot Ion:	163	Resp:	82775
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.0	8.4	12.6

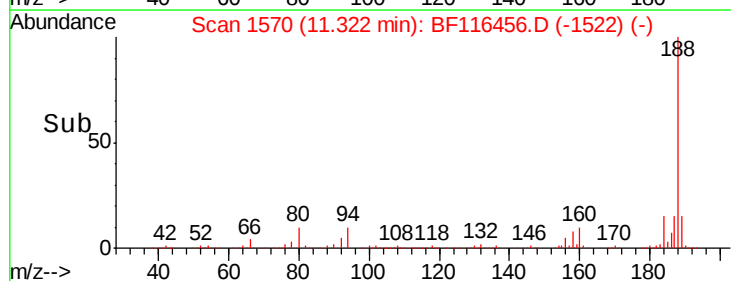
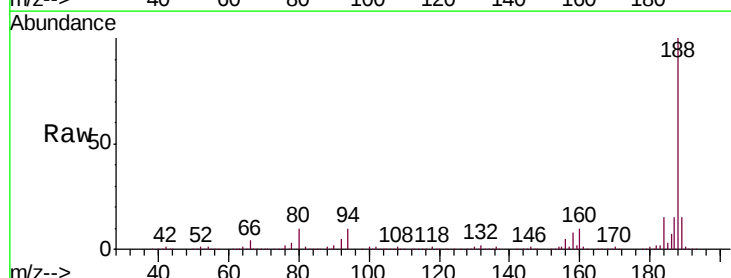
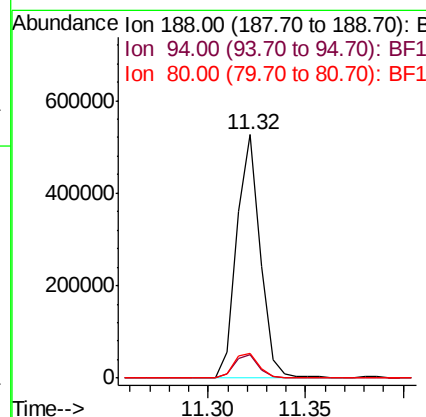
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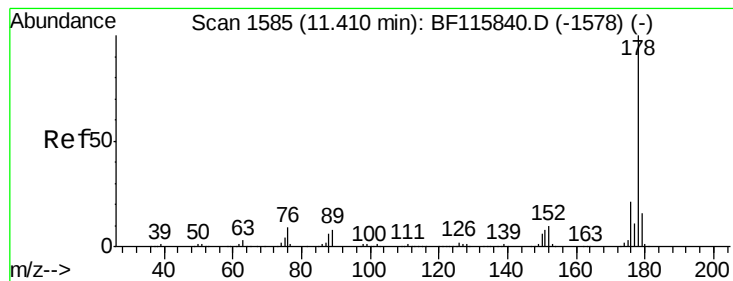
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Tgt Ion:	188	Resp:	440387
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.1	12.1
80	10.4	8.7	13.1





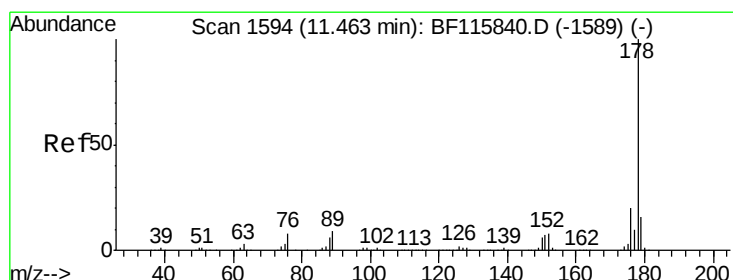
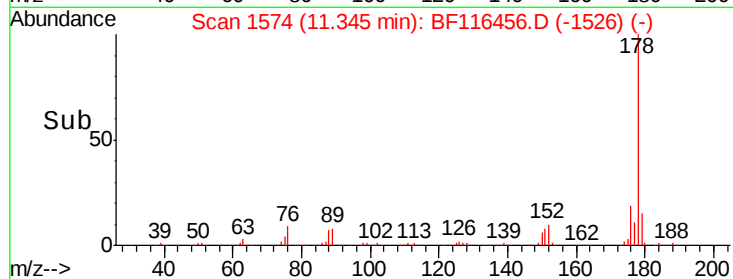
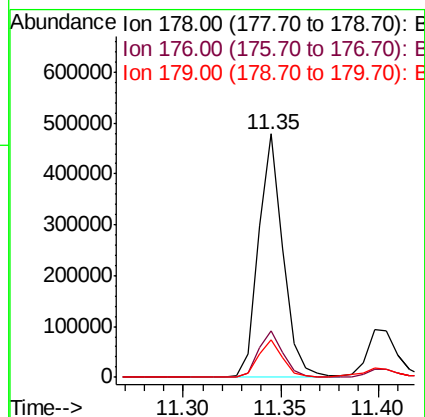
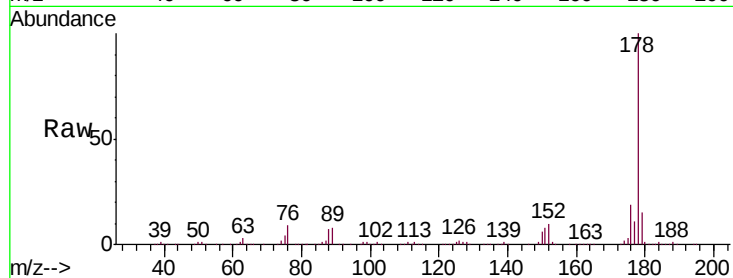
#71
 Phenanthrene
 Concen: 18.467 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 PX-03-081319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.6	24.8
179	15.5	12.5	18.7

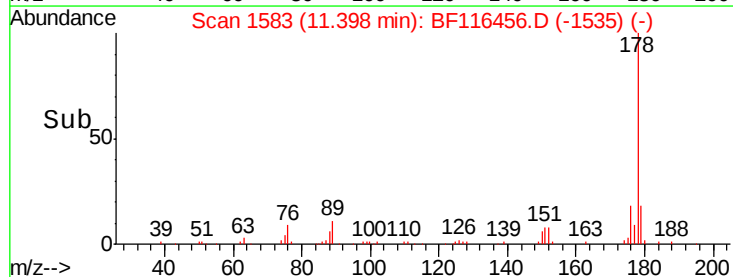
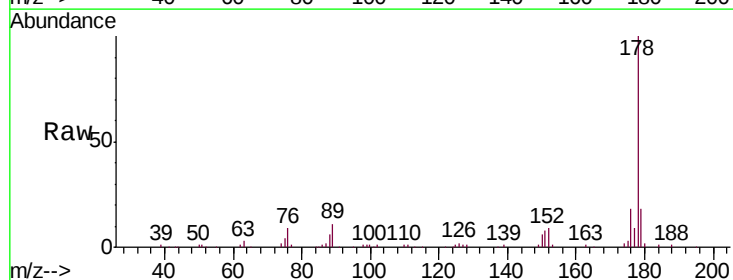
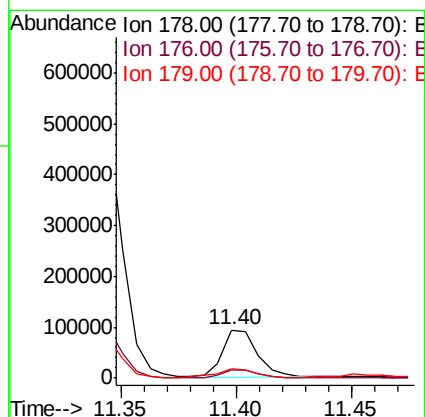
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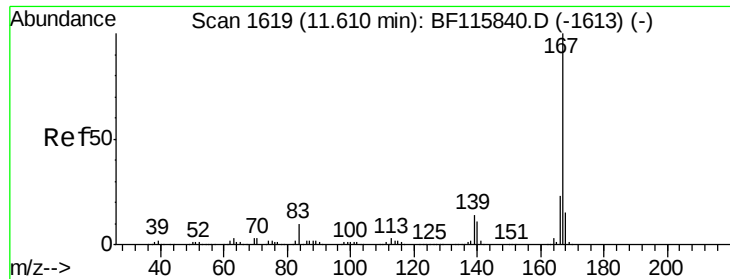
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#72
 Anthracene
 Concen: 4.310 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	18.2	13.0	19.6





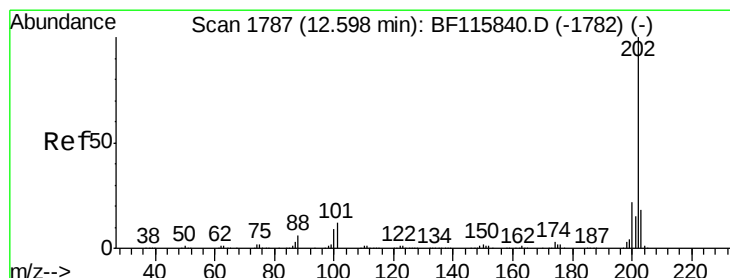
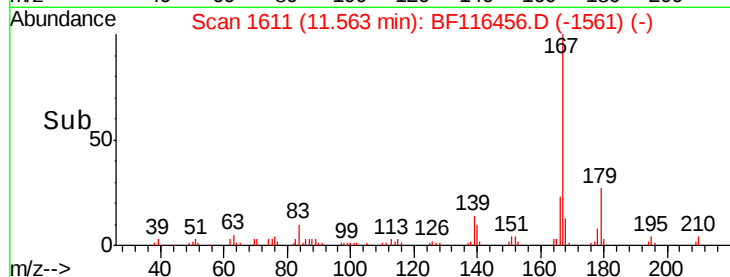
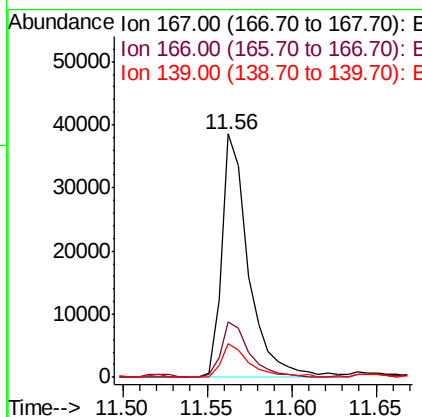
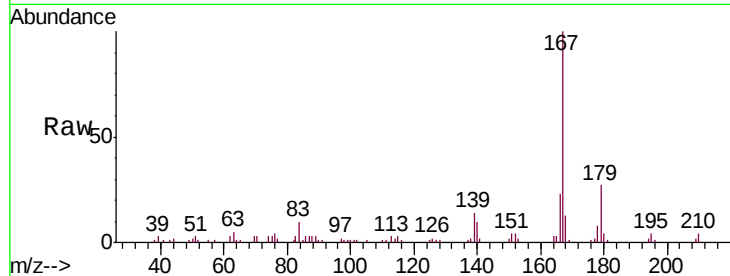
#73
 Carbazole
 Concen: 2.063 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 PX-03-081319

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.8	26.6
139	14.0	11.4	17.0

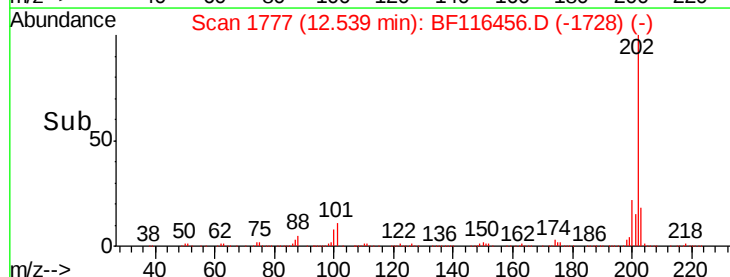
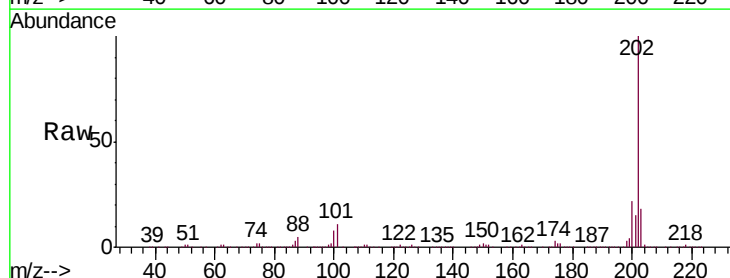
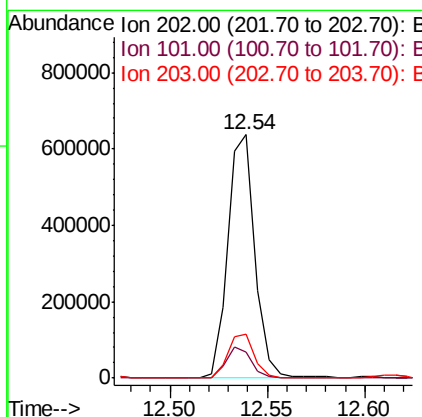
Manual Integrations
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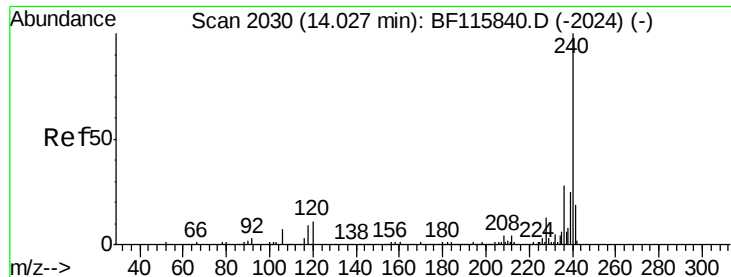
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#75
 Fluoranthene
 Concen: 25.950 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.2
203	17.9	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Instrument :

BNA_F

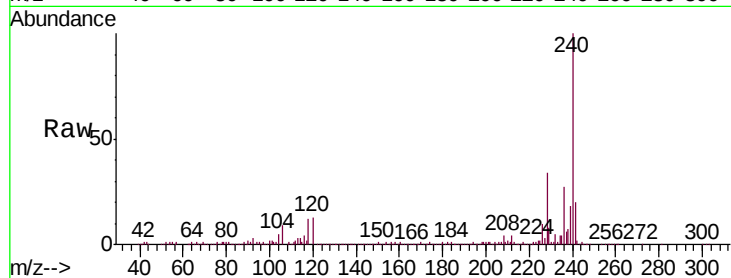
ClientSampleId :

PX-03-081319

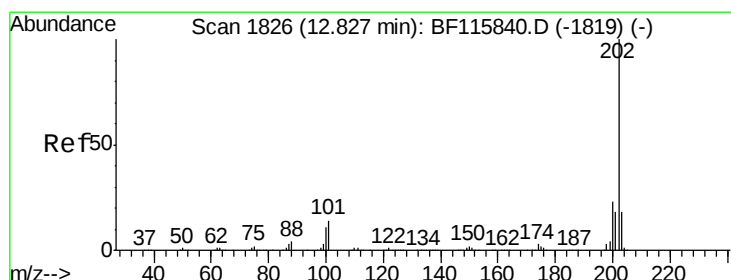
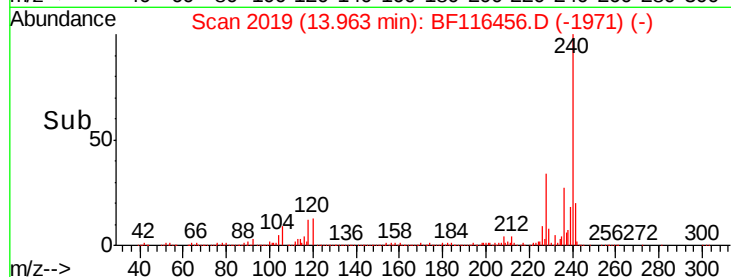
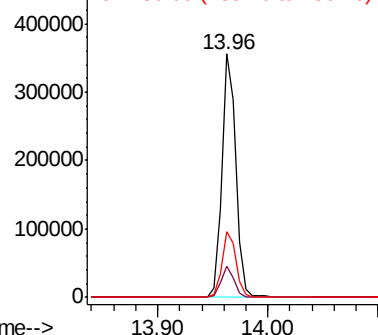
Tot Ion:	240	Resp:	315547
Ion Ratio	Lower	Upper	
240	100		
120	12.9	10.7	16.1
236	27.0	22.2	33.2

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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



#78

Pyrene

Concen: 23.144 ng

RT: 12.76 min Scan# 1815

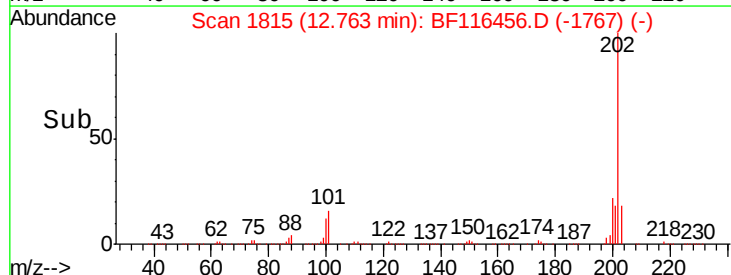
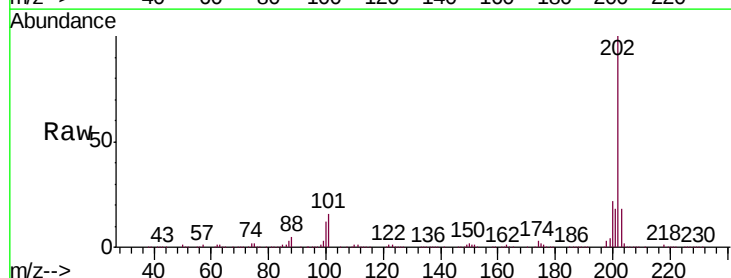
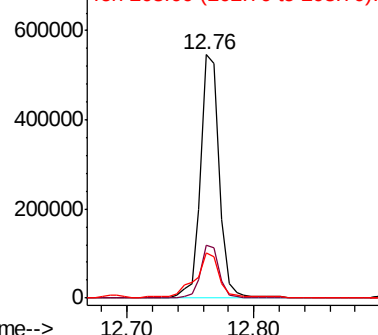
Delta R.T. -0.02 min

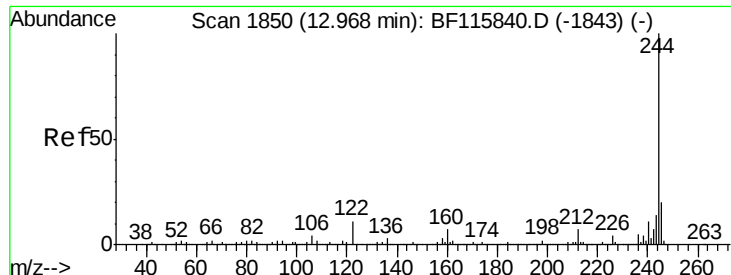
Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Tgt Ion:	202	Resp:	550520
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.0	27.0
203	18.4	14.1	21.1

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





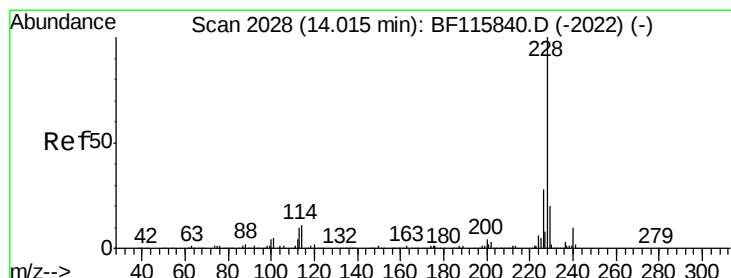
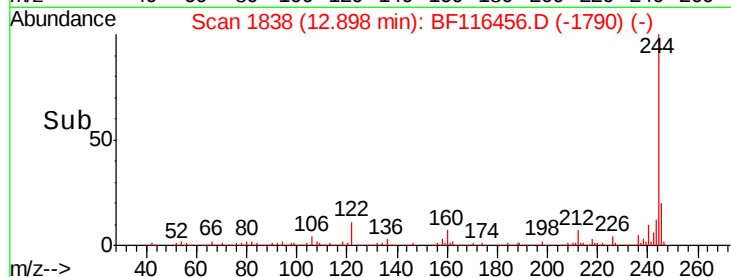
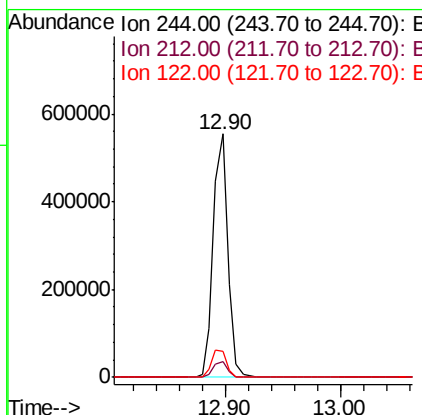
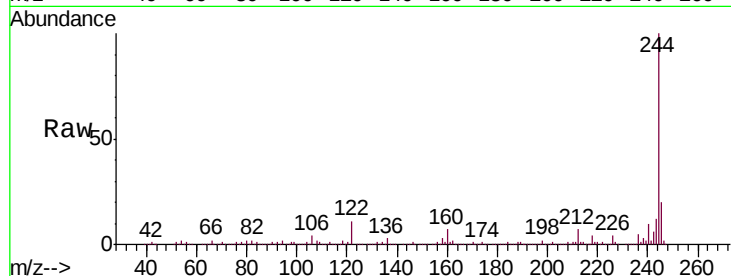
#79
 Terphenyl-d14
 Concen: 32.398 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 PX-03-081319

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	5.8	8.8	
122	10.7	9.0	13.4	

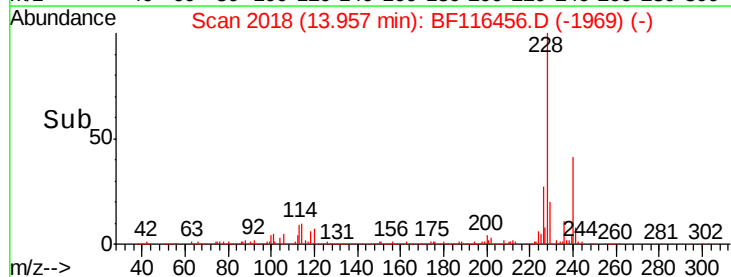
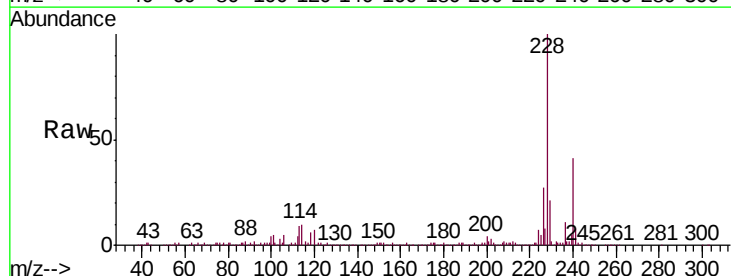
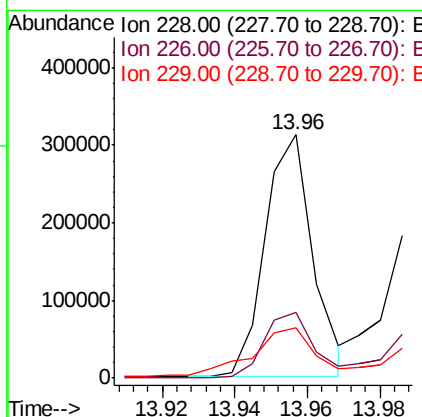
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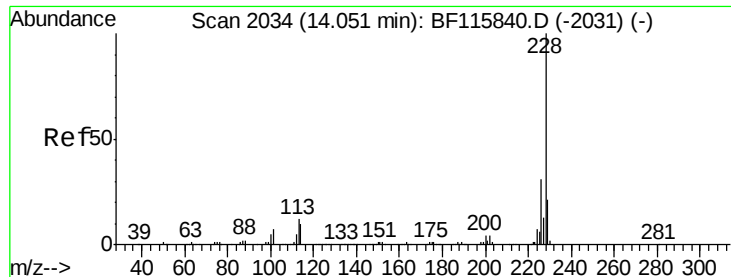
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#81
 Benzo(a)anthracene
 Concen: 14.160 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF116456.D
 Acq: 21 Aug 2019 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.2	22.7	34.1	
229	20.5	16.2	24.4	





#83

Chrysene

Concen: 13.547 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Instrument :

BNA_F

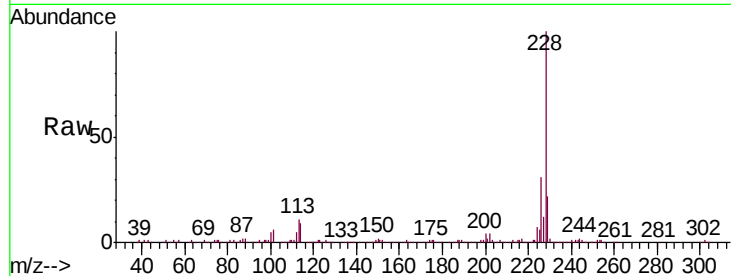
ClientSampleId :

PX-03-081319

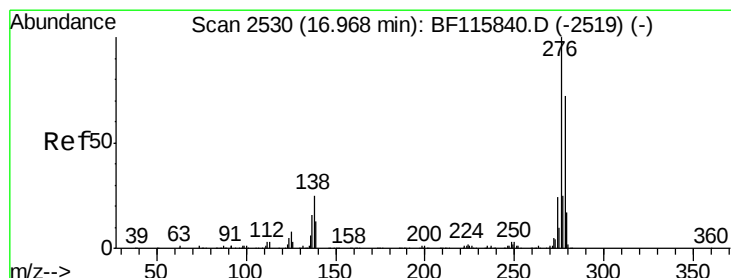
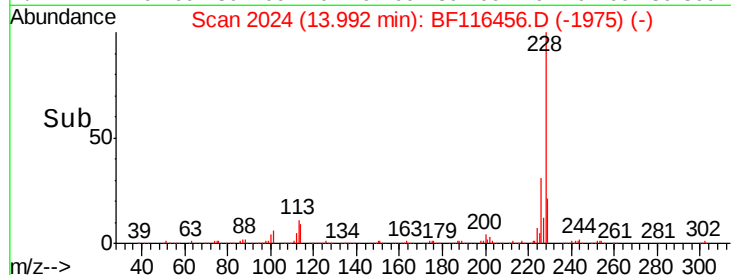
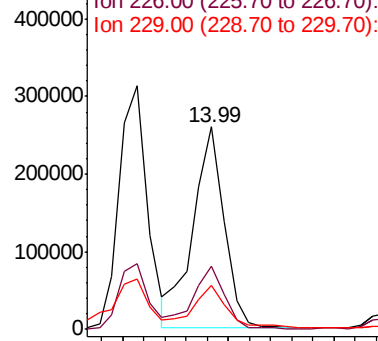
Tot Ion:	228	Resp:	265254
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.5	38.3
229	21.7	16.6	24.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.889 ng

RT: 16.89 min Scan# 2517

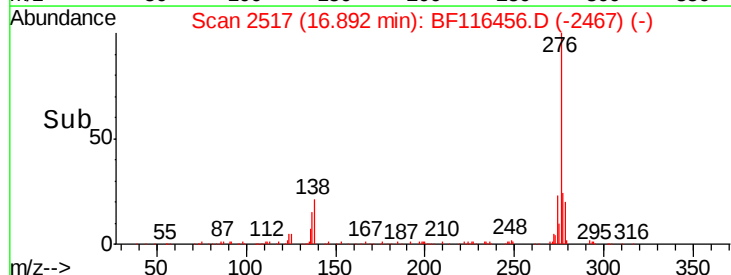
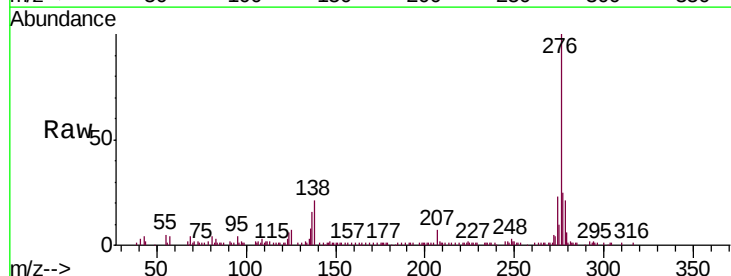
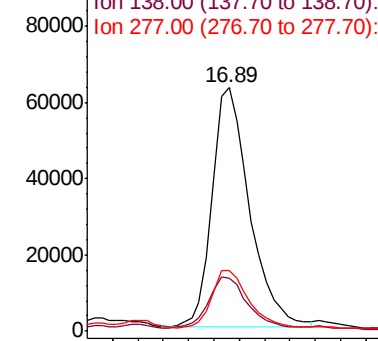
Delta R.T. -0.01 min

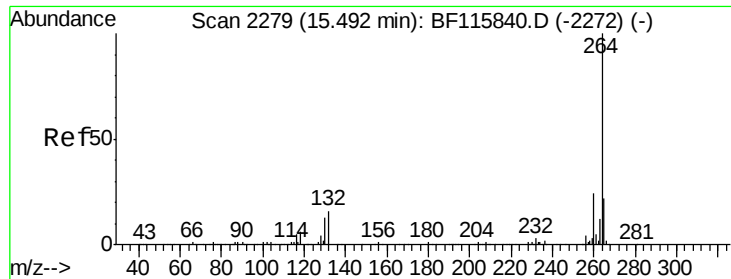
Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Tgt Ion:	276	Resp:	129739
Ion Ratio	Lower	Upper	
276	100		
138	22.8	20.4	30.6
277	23.2	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Instrument :

BNA_F

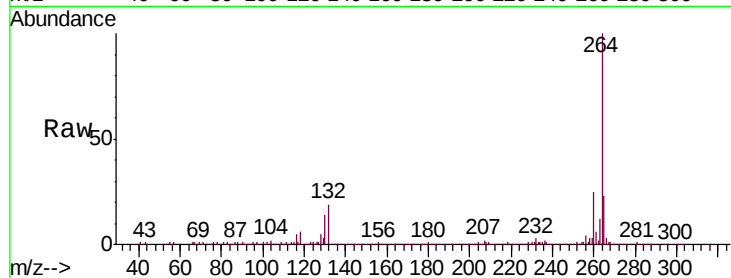
ClientSampleId :

PX-03-081319

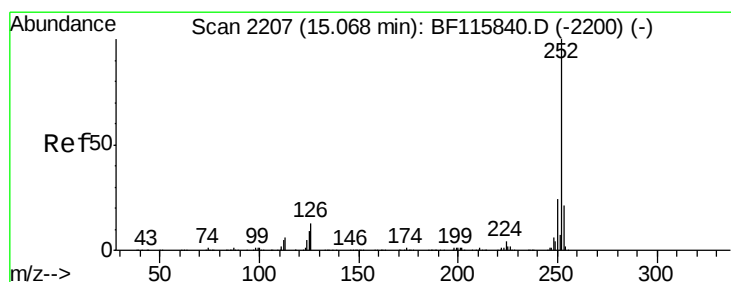
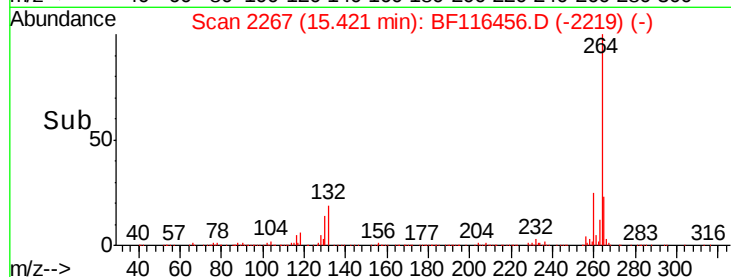
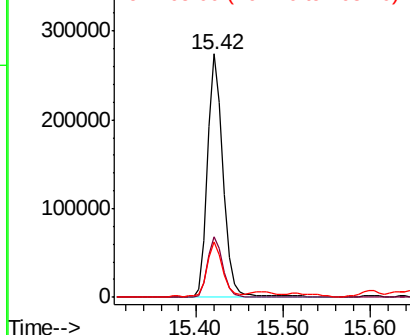
Tot Ion:	264	Resp:	338137
Ion Ratio		Lower	Upper
264	100		
260	25.0	19.7	29.5
265	22.7	17.4	26.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 16.007 ng m

RT: 15.00 min Scan# 2196

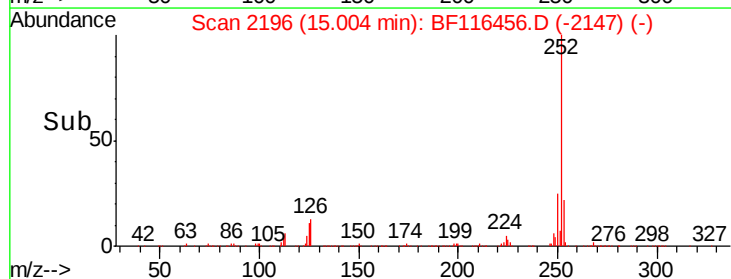
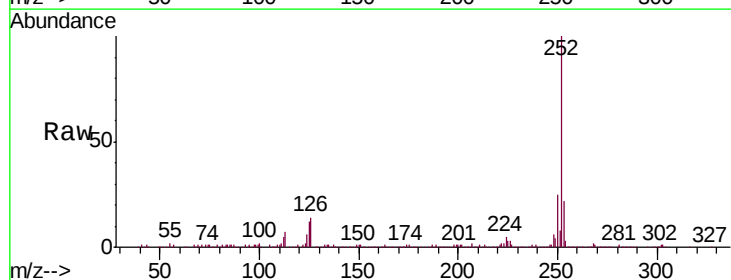
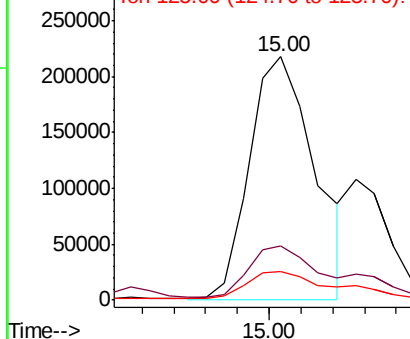
Delta R.T. -0.01 min

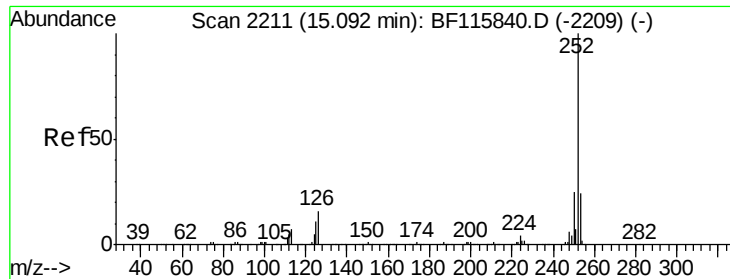
Lab File: BF116456.D

Acq: 21 Aug 2019 3:08

Tgt Ion:	252	Resp:	312953
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.9	8.4	12.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





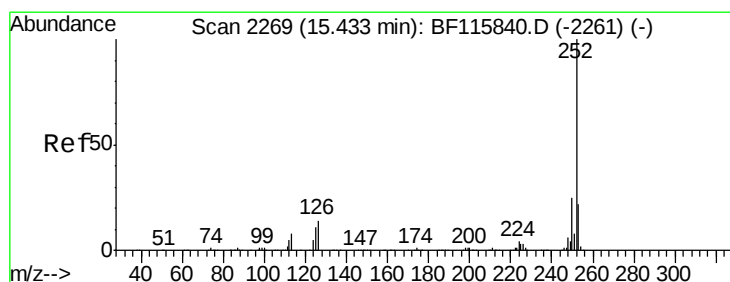
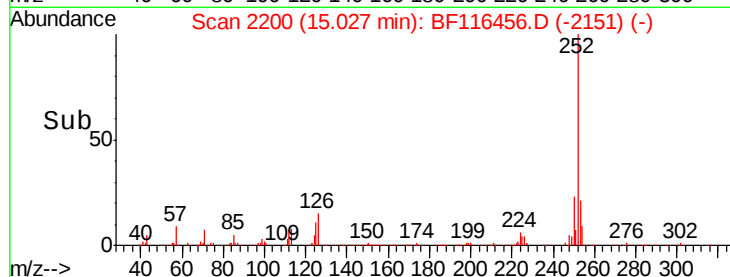
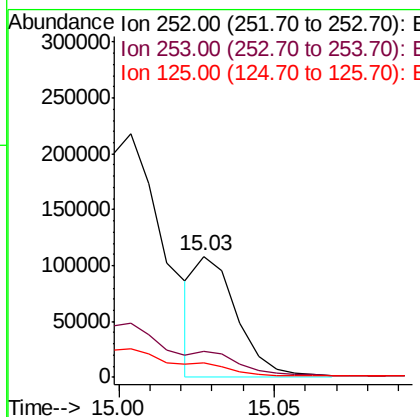
#89
Benzo(k)fluoranthene
Concen: 5.279 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Instrument :
BNA_F
ClientSampleId :
PX-03-081319

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	11.7	7.7	11.5

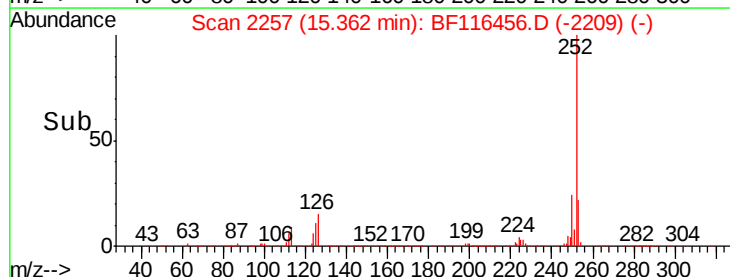
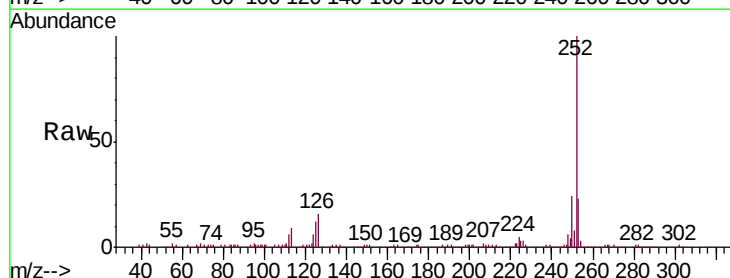
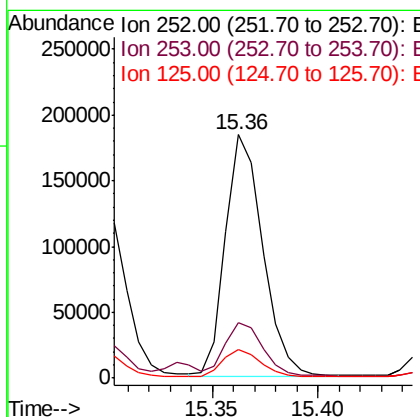
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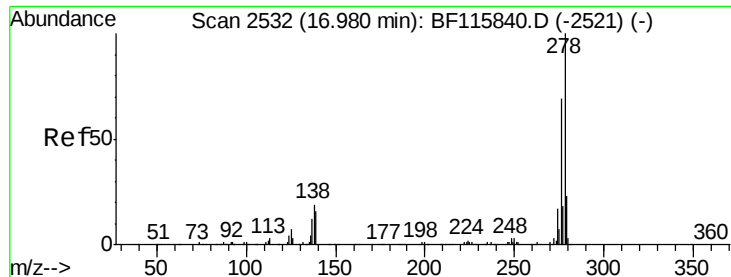
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#90
Benzo(a)pyrene
Concen: 12.959 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	12.0	8.9	13.3





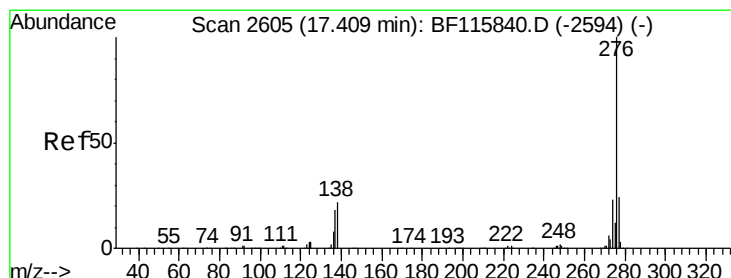
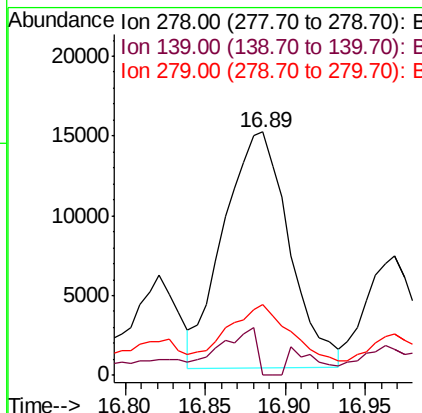
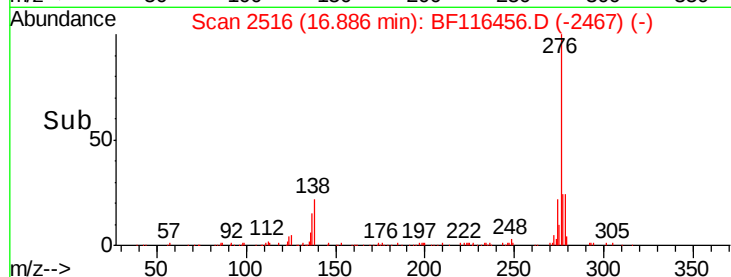
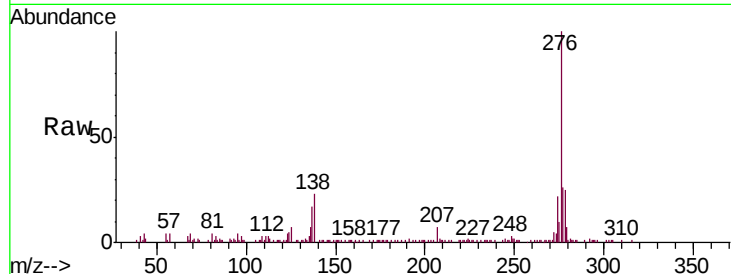
#91
Dibenzo(a,h)anthracene
Concen: 2.782 ng/mL
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Instrument :
BNA_F
ClientSampleId :
PX-03-081319

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	29.1	18.8	28.2#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.832 ng/mL
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF116456.D
Acq: 21 Aug 2019 3:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.4	27.6
138	23.9	17.0	25.6

