

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116411.D
 Acq On : 20 Aug 2019 1:59
 Operator : HP/JU
 Sample : K4223-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Manual Integrations
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mohammad
 8/22/2019 12:45:53 PM

Quant Time: Aug 20 04:04:46 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	105558	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	422637	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	234039	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	411503	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	255760	20.00	ng	-0.02
87) Perylene-d12	15.42	264	295975	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	546878	86.73	ng	0.00
7) Phenol-d6	6.45	99	735153	92.41	ng	-0.01
23) Nitrobenzene-d5	7.37	82	448585	61.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	203165	89.54	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	716800	57.37	ng	-0.01
79) Terphenyl-d14	12.90	244	731409	60.26	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.55	163	177254	11.123	ng	99
71) Phenanthrene	11.34	178	149270	7.096	ng	98
75) Fluoranthene	12.54	202	235619	10.698	ng	99
78) Pyrene	12.77	202	203601	10.560	ng	98
81) Benzo(a)anthracene	13.96	228	94720	5.794	ng	99
83) Chrysene	13.99	228	80874	5.096	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	46593	3.495	ng	96
88) Benzo(b)fluoranthene	15.00	252	114800m	6.708	ng	
89) Benzo(k)fluoranthene	15.03	252	40739m	2.444	ng	
90) Benzo(a)pyrene	15.37	252	83437	5.454	ng	# 94
92) Benzo(a,h,i)perylene	17.34	276	42118	3.239	ng	# 92

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

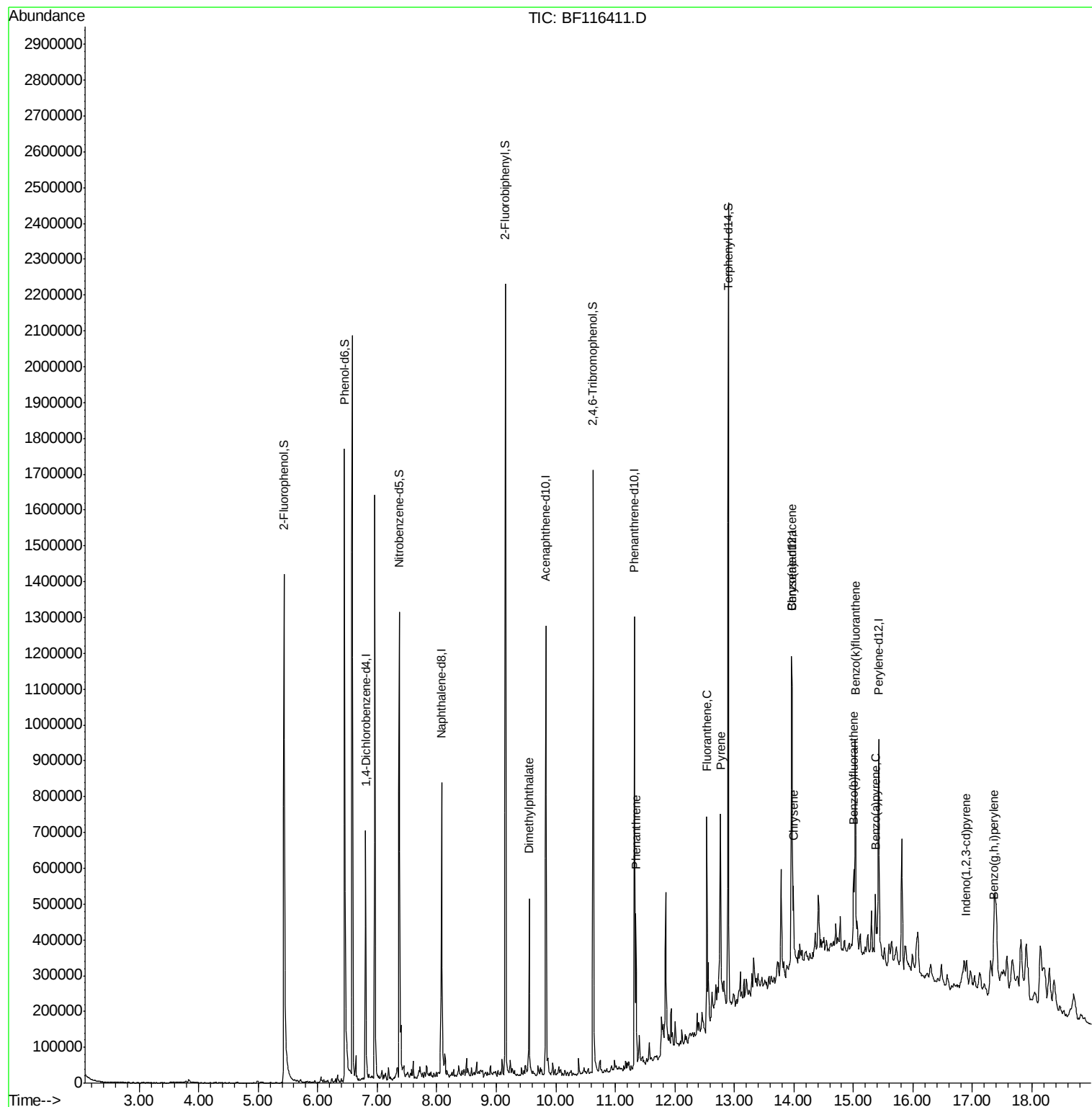
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

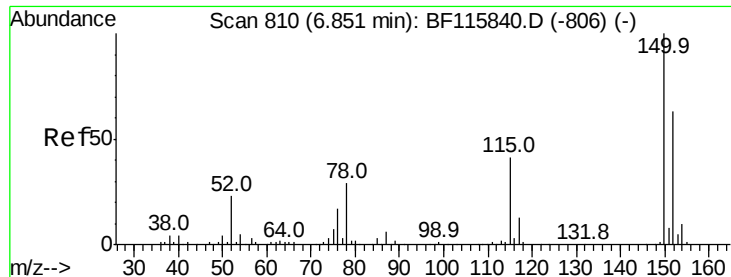
Instrument :
BNA_F
ClientSampleId :
SP-9

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Quant Time: Aug 20 04:04:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

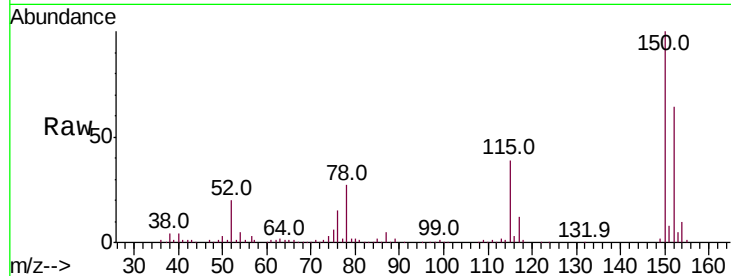
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampled :
SP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	61.1	49.9	74.9

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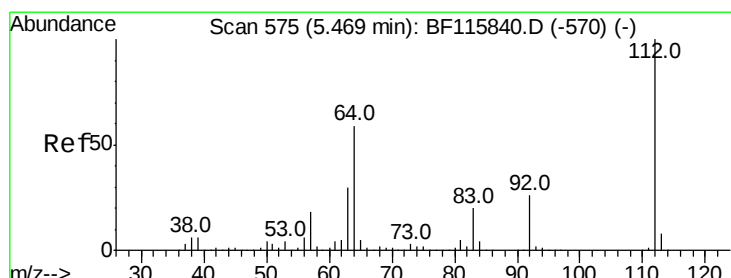
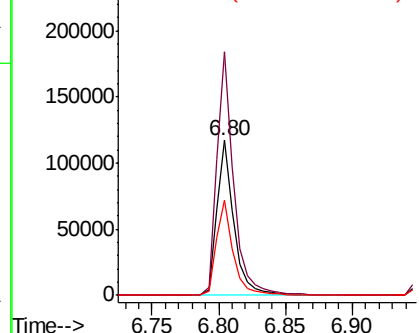
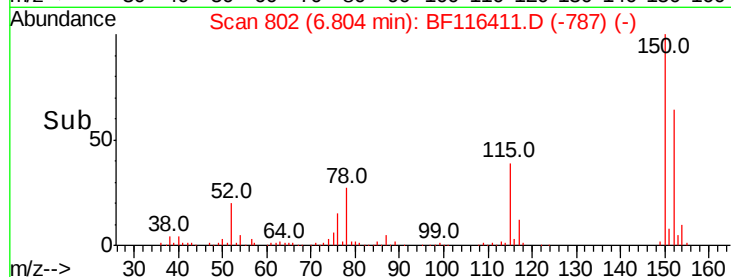


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

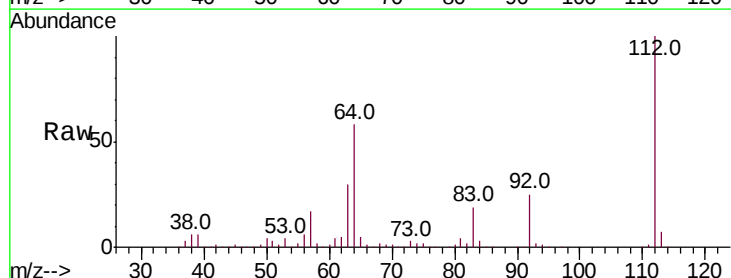
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.730 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.4	68.2
63	29.8	23.7	35.5

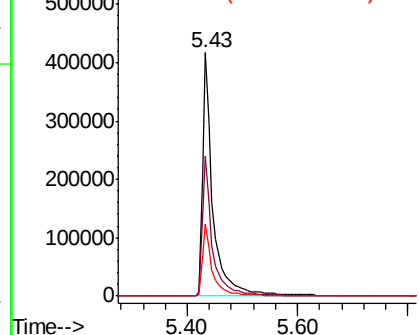
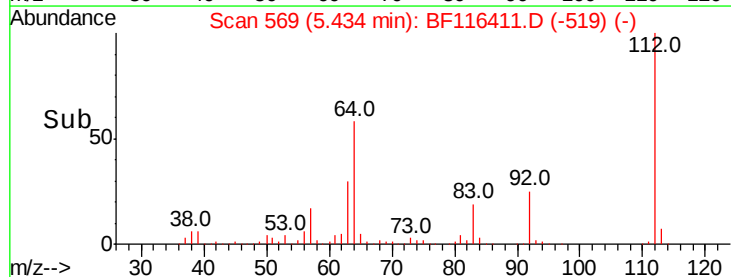


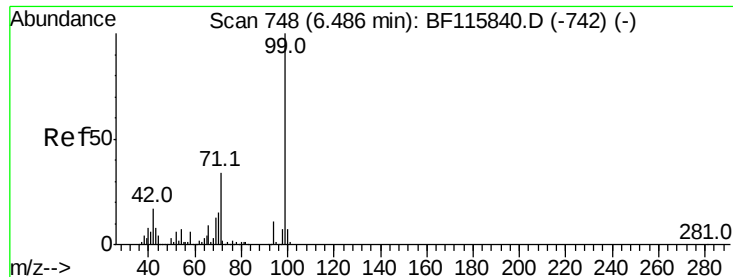
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.408 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

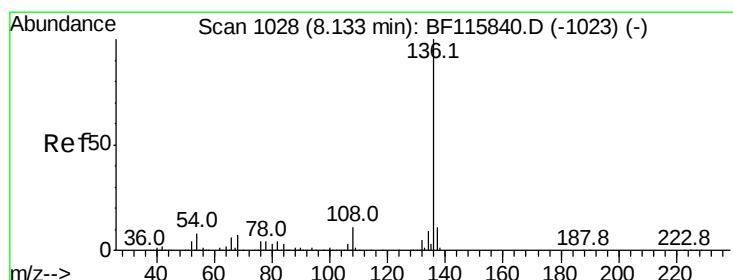
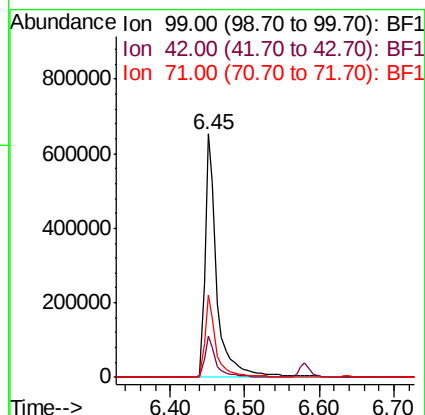
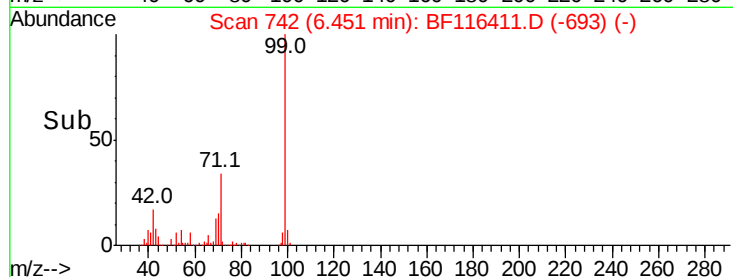
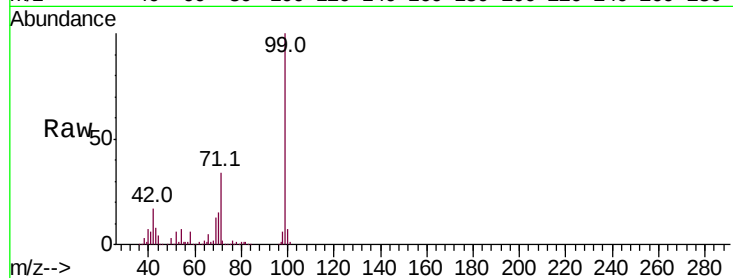
ClientSampled :

SP-9

Tot Ion:	99	Resp:	735153
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.8	20.8
71	33.7	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

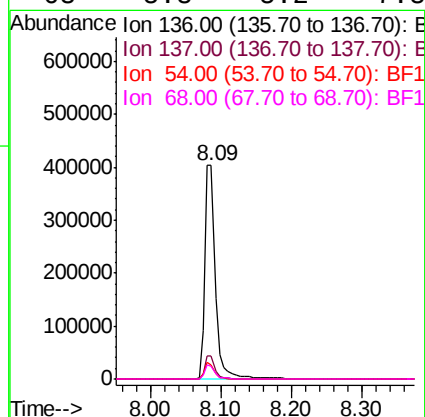
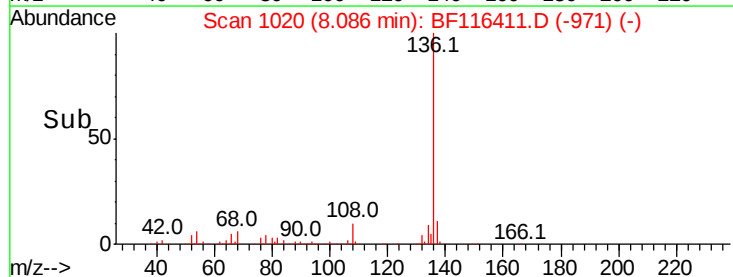
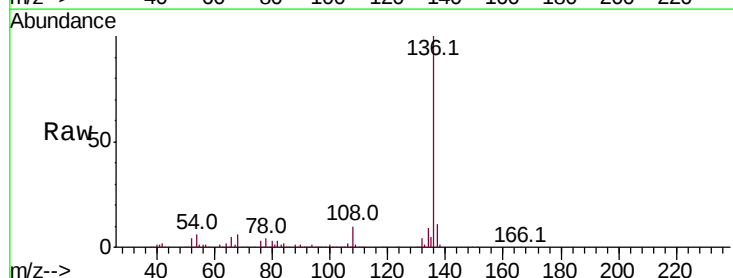
RT: 8.09 min Scan# 1020

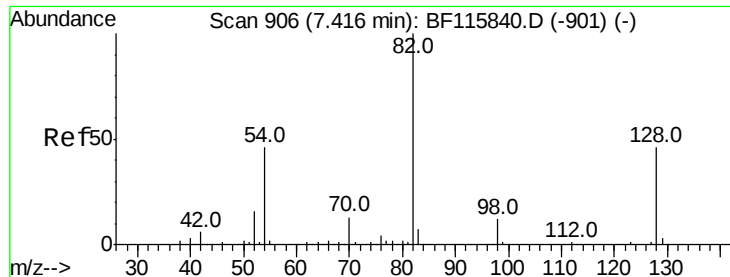
Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Tgt Ion:	136	Resp:	422637
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	6.4	5.8	8.6
68	5.8	5.2	7.8





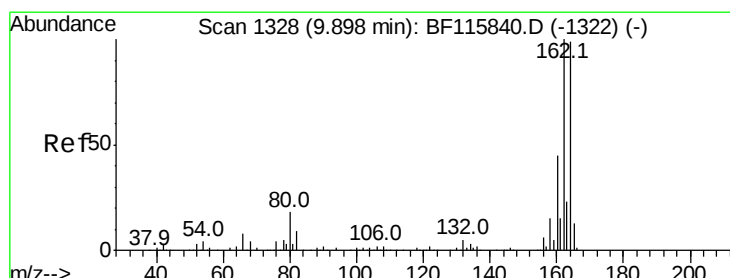
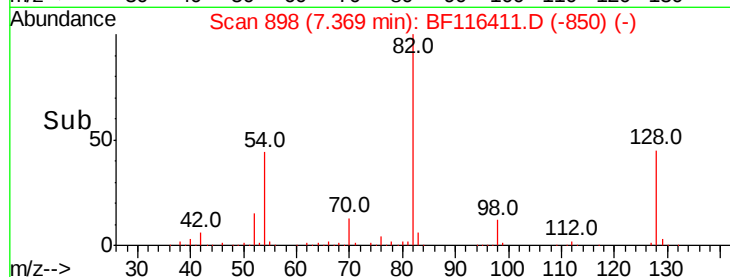
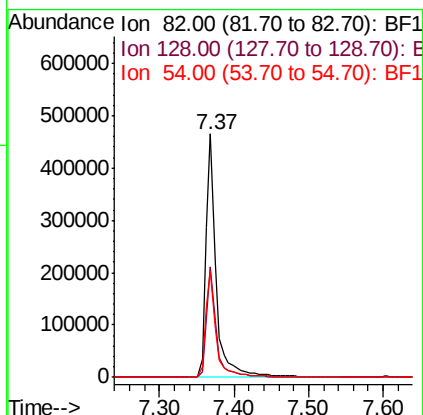
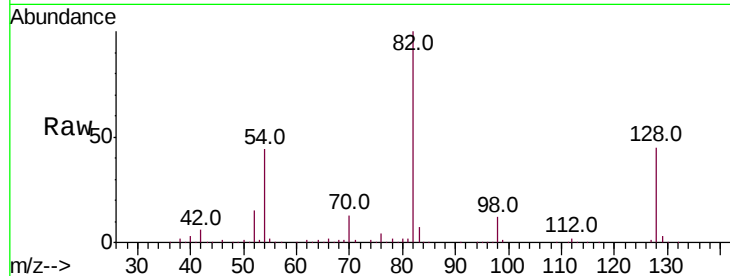
#23
Nitrobenzene-d5
Concen: 61.267 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.5	54.7
54	44.0	36.0	54.0

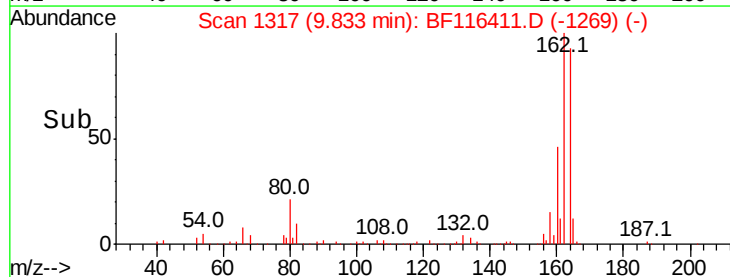
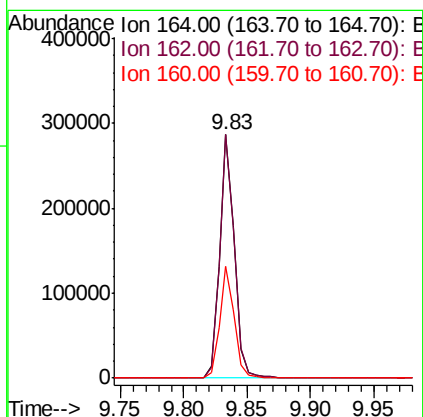
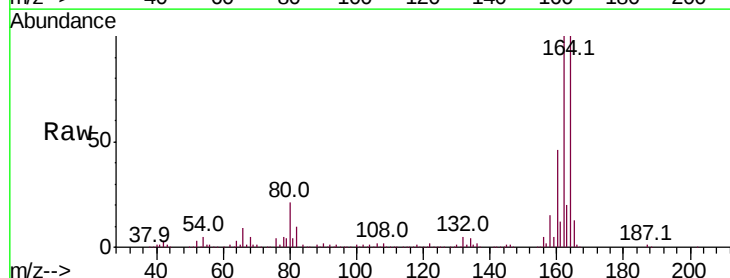
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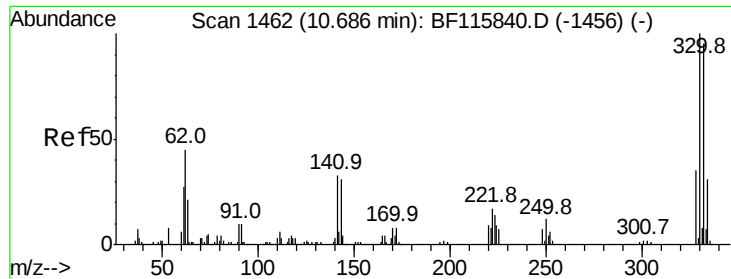
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.6	124.0
160	45.7	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 89.537 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

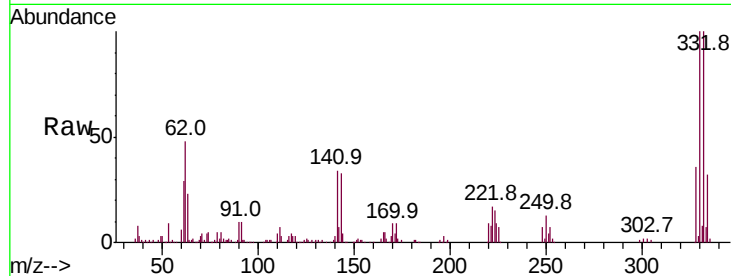
ClientSampled :

SP-9

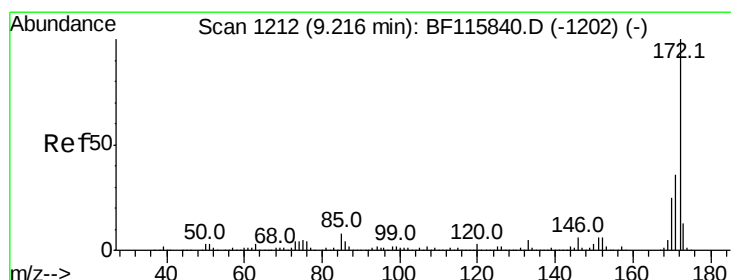
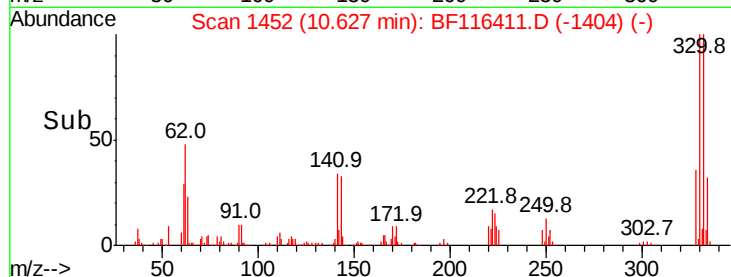
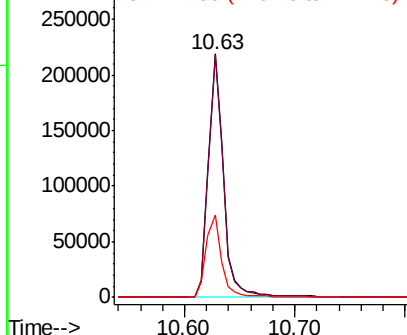
Tot Ion:	330	Resp:	203165
Ion Ratio	Lower	Upper	
330	100		
332	98.6	76.8	115.2
141	35.1	26.3	39.5

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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: 57.367 ng

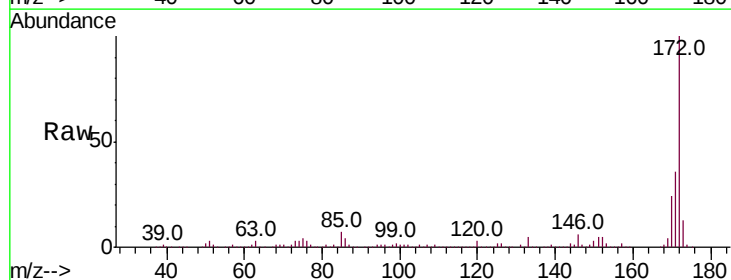
RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

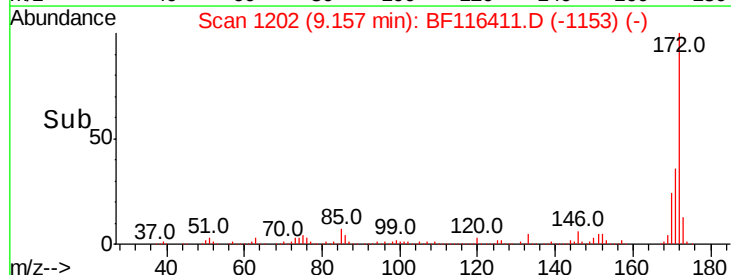
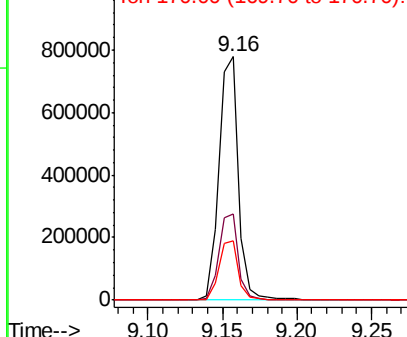
Lab File: BF116411.D

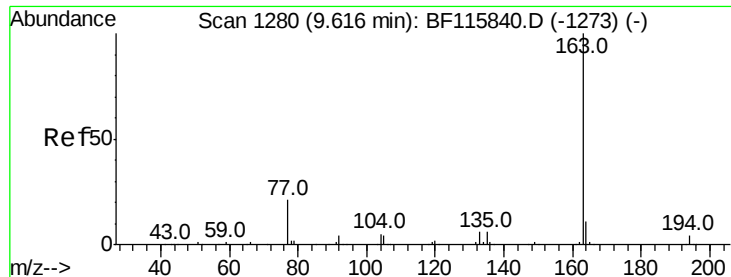
Acq: 20 Aug 2019 1:59

Tgt Ion:	172	Resp:	716800
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.6	44.4
170	24.5	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: 11.123 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

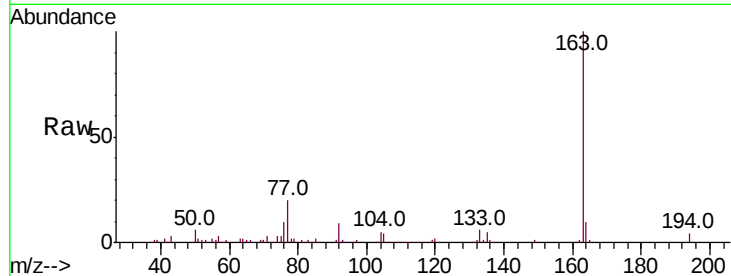
ClientSampled :

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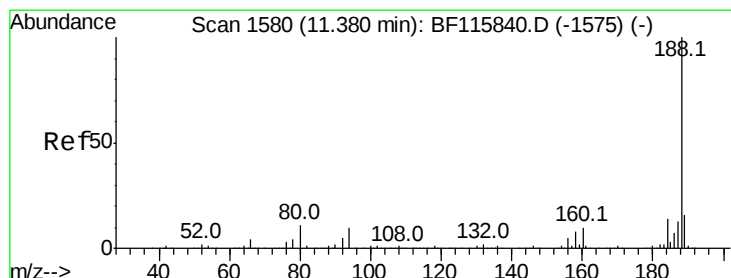
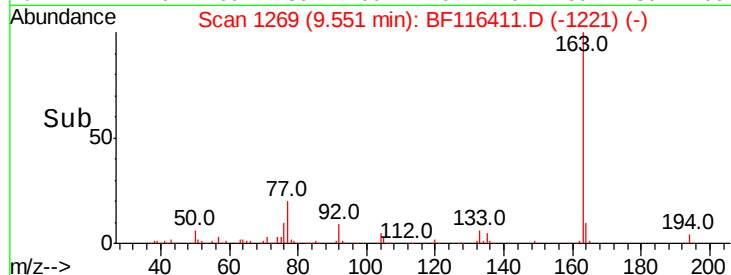
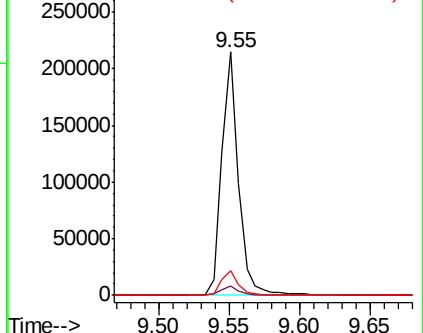
Tot Ion:	163	Resp:	177254
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.9	8.4	12.6

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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

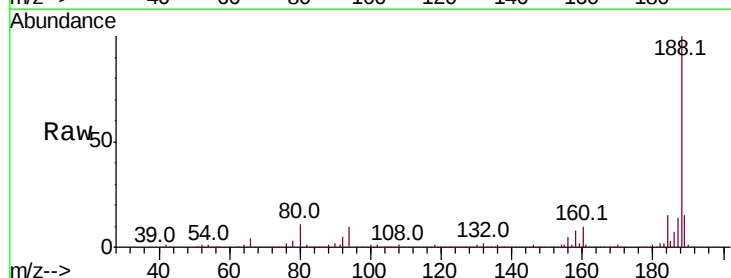
RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

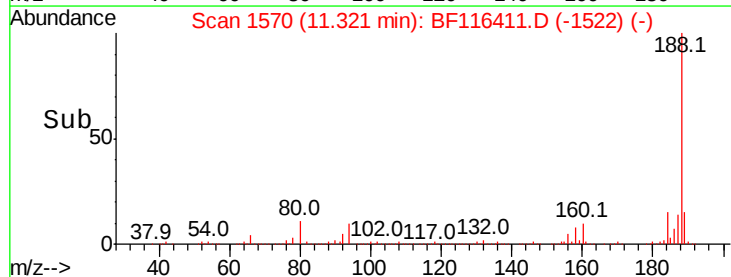
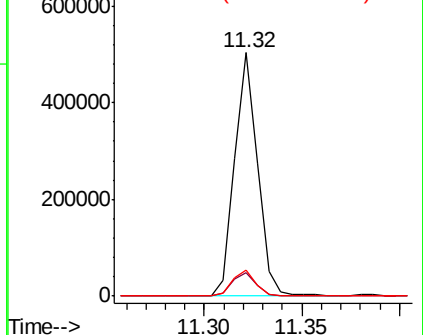
Lab File: BF116411.D

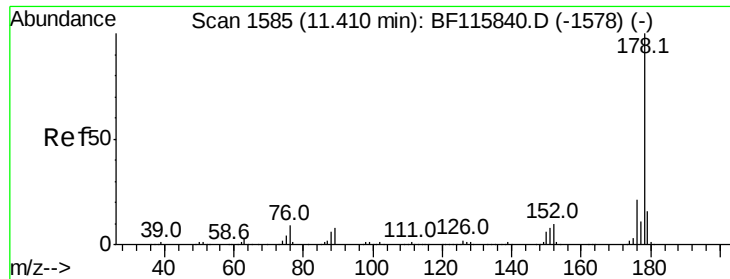
Acq: 20 Aug 2019 1:59

Tgt Ion:	188	Resp:	411503
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.1	12.1
80	10.6	8.7	13.1



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





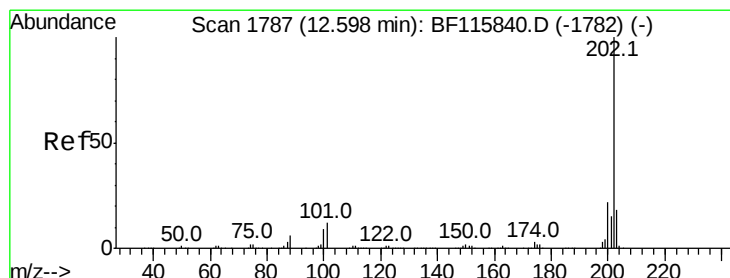
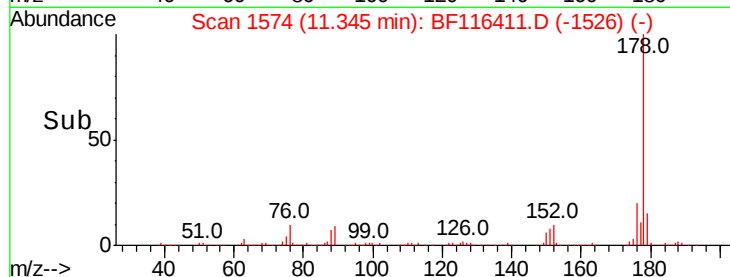
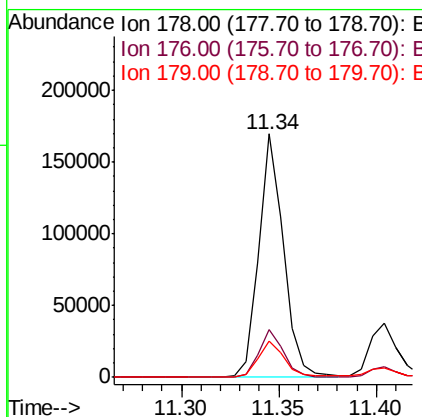
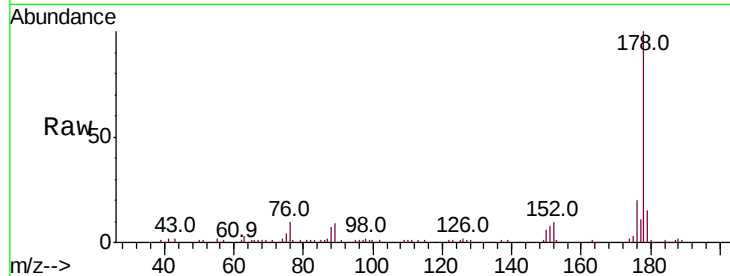
#71
Phenanthrene
Concen: 7.096 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
178	100	149270		
176	19.5	16.6	24.8	
179	15.1	12.5	18.7	

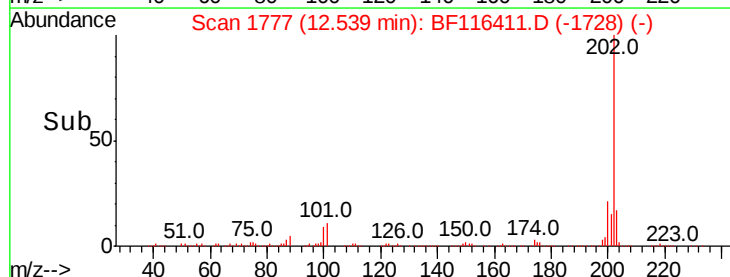
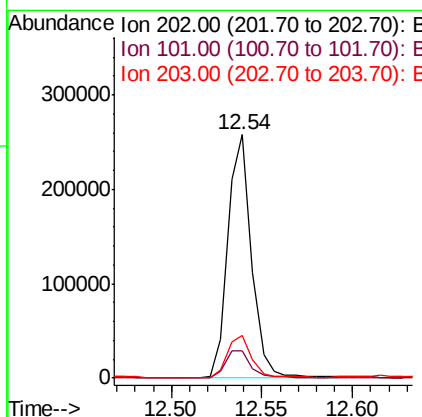
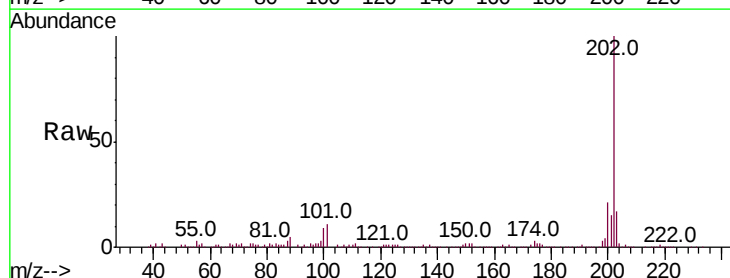
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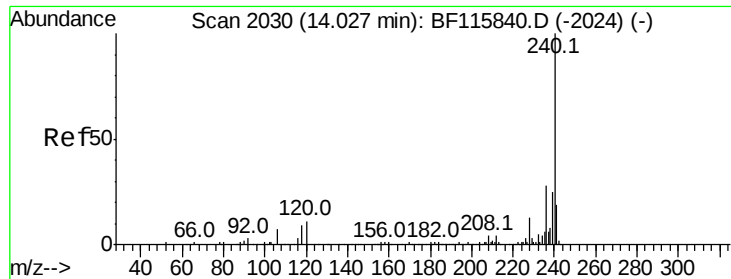
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#75
Fluoranthene
Concen: 10.698 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	235619		
101	11.4	0.0	31.2	
203	17.3	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: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

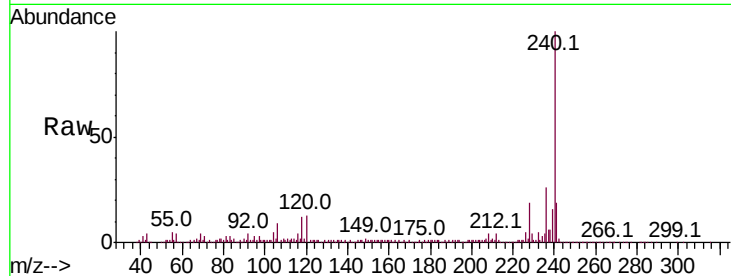
ClientSampleId :

SP-9

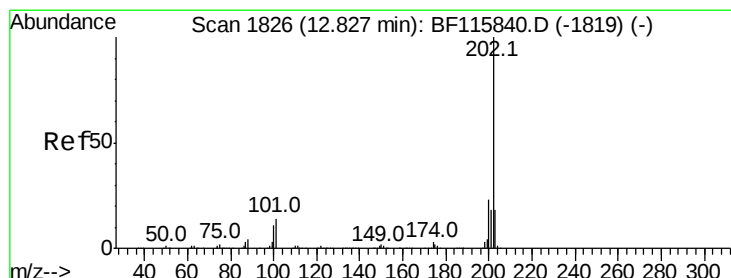
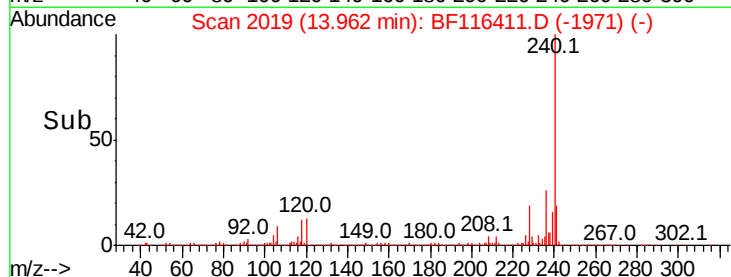
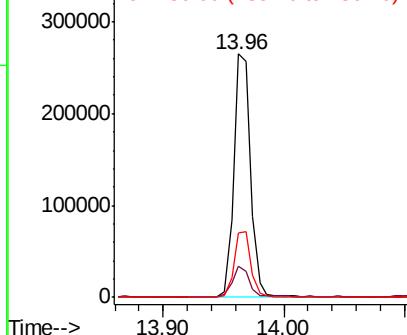
Tot Ion:	240	Resp:	255760
Ion Ratio	Lower	Upper	
240	100		
120	13.0	10.7	16.1
236	26.5	22.2	33.2

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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: 10.560 ng

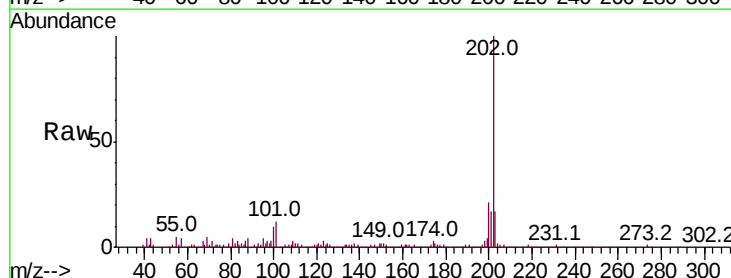
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

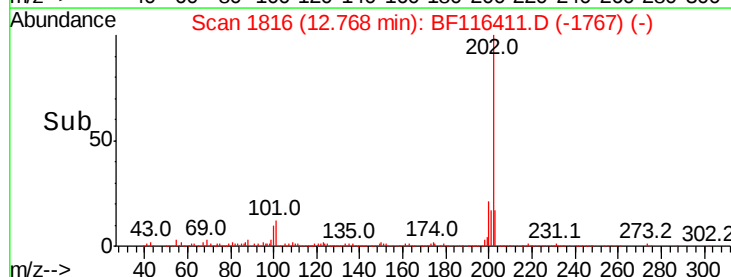
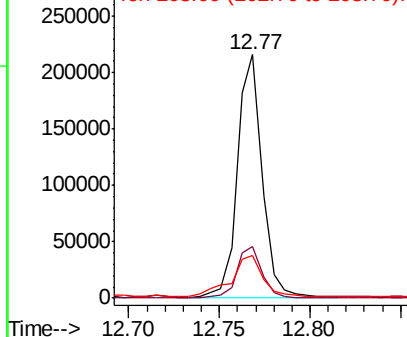
Lab File: BF116411.D

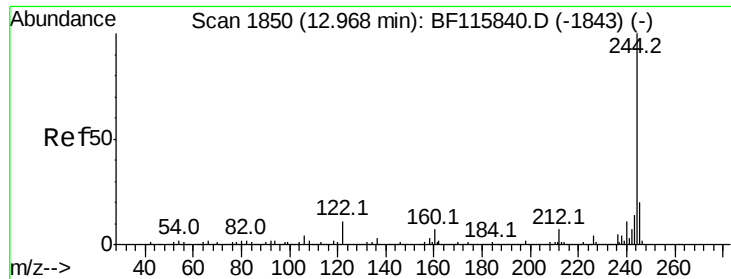
Acq: 20 Aug 2019 1:59

Tgt Ion:	202	Resp:	203601
Ion Ratio	Lower	Upper	
202	100		
200	21.1	18.0	27.0
203	17.3	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





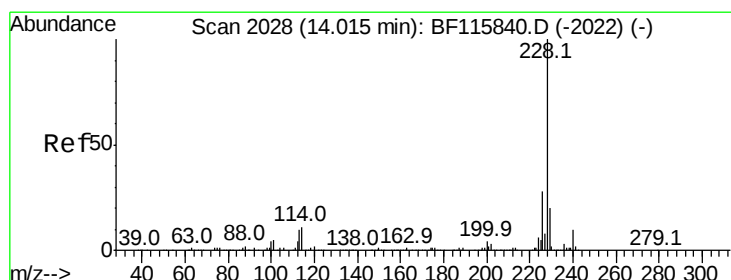
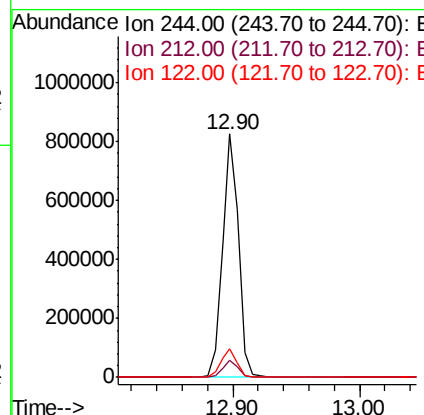
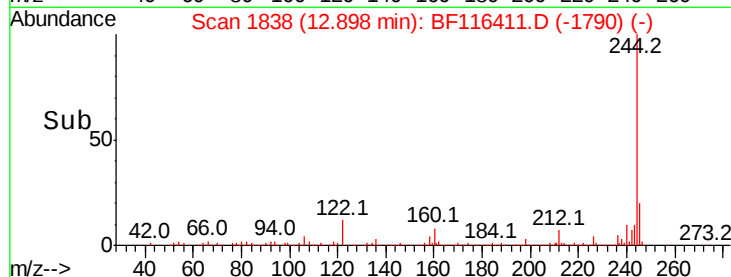
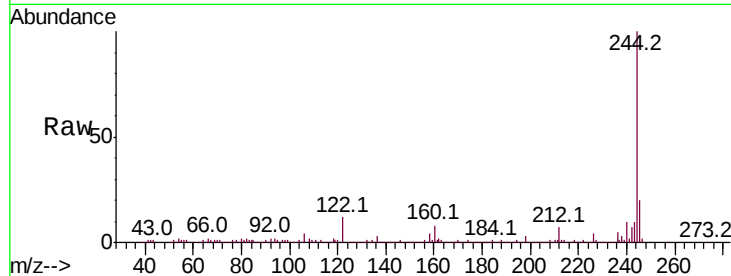
#79
 Terphenyl-d14
 Concen: 60.260 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
 BNA_F
 ClientSampled :
 SP-9

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.0	9.0	13.4

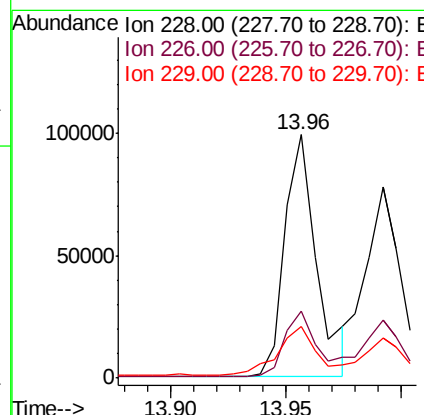
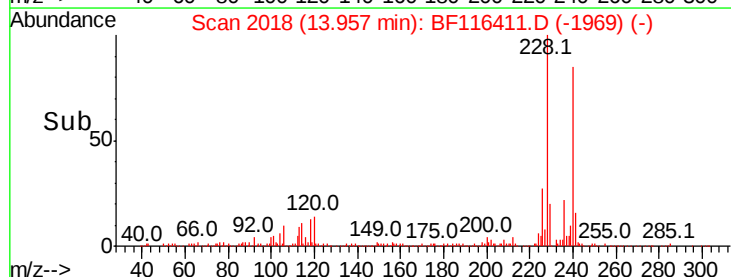
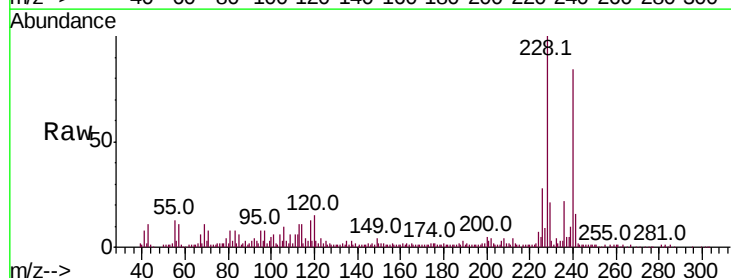
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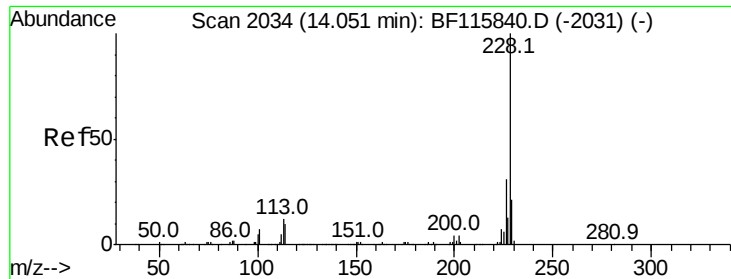
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#81
 Benzo(a)anthracene
 Concen: 5.794 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.7	34.1
229	21.0	16.2	24.4





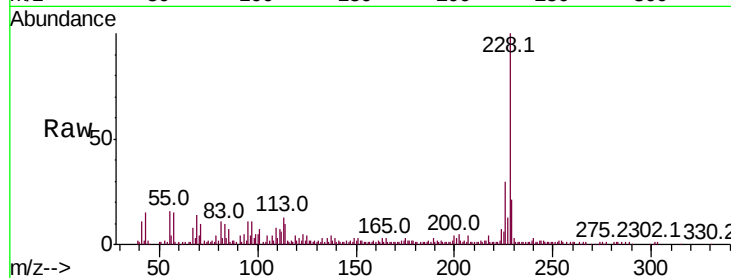
#83
Chrysene
Concen: 5.096 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampleId :
SP-9

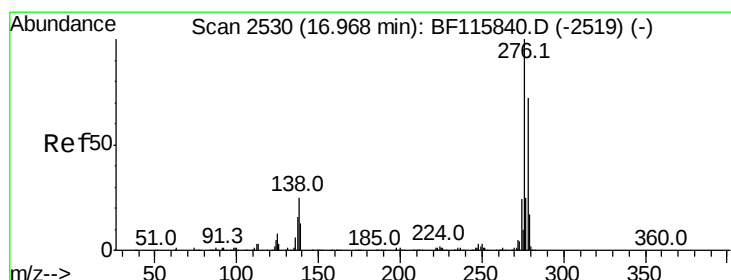
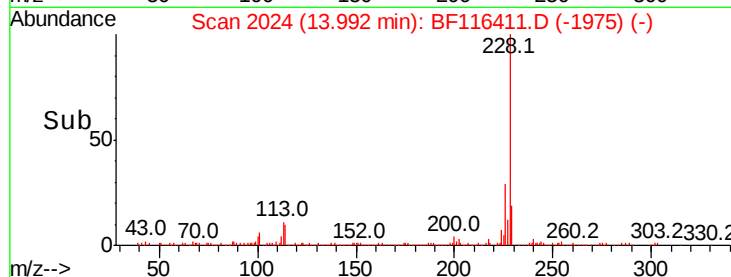
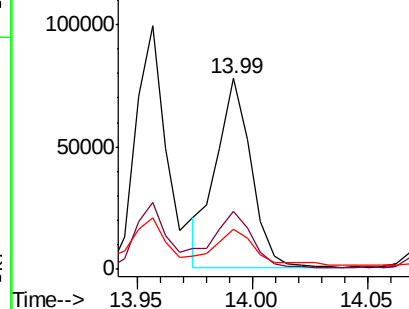
Tot Ion:	228	Resp:	80874
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.5	38.3
229	21.2	16.6	24.8

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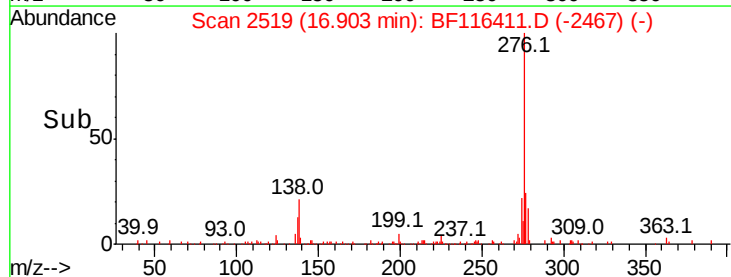
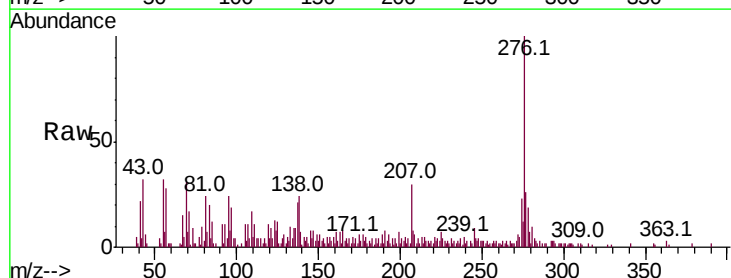
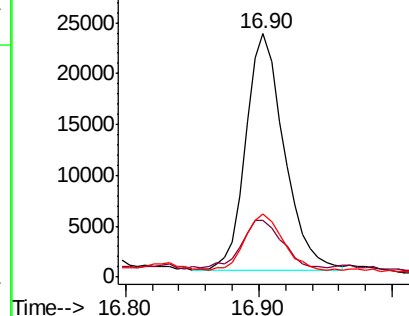
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

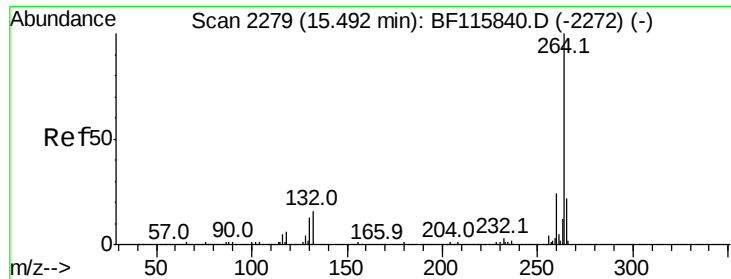


#86
Indeno(1,2,3-cd)pyrene
Concen: 3.495 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion:	276	Resp:	46593
Ion Ratio	Lower	Upper	
276	100		
138	22.9	20.4	30.6
277	23.1	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





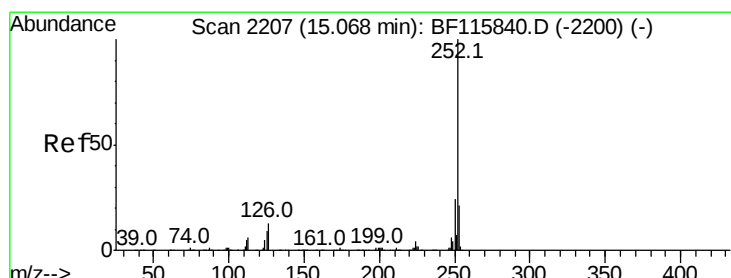
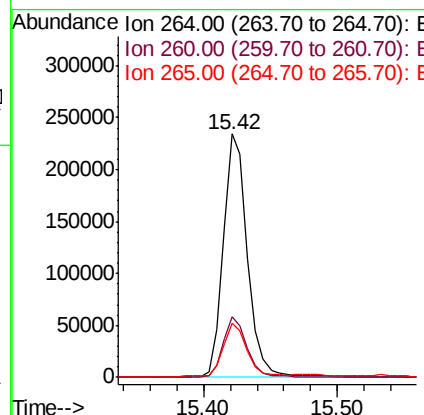
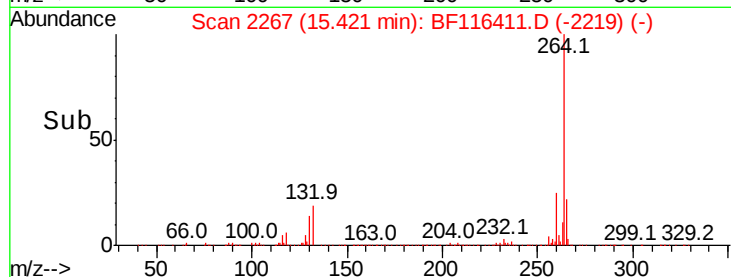
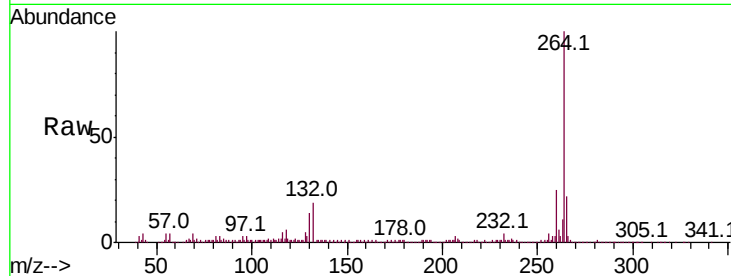
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.4	17.4	26.0

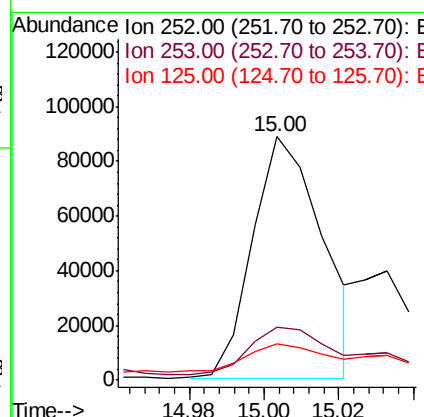
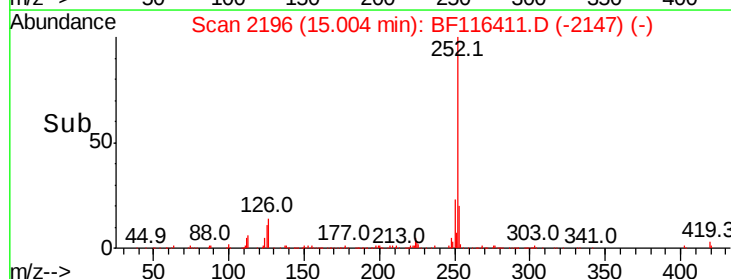
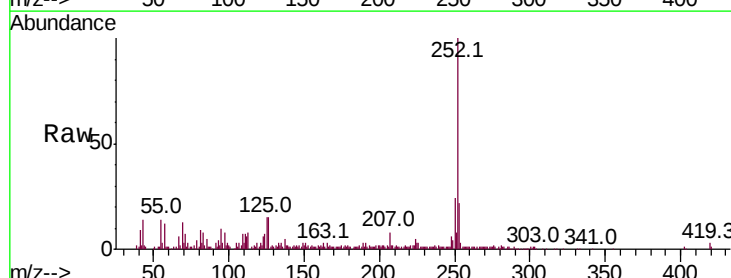
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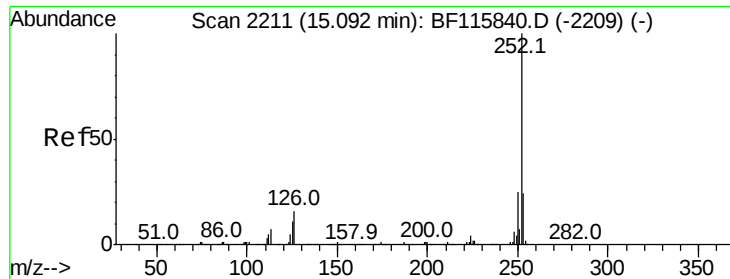
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#88
Benzo(b)fluoranthene
Concen: 6.708 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	14.9	8.4	12.6





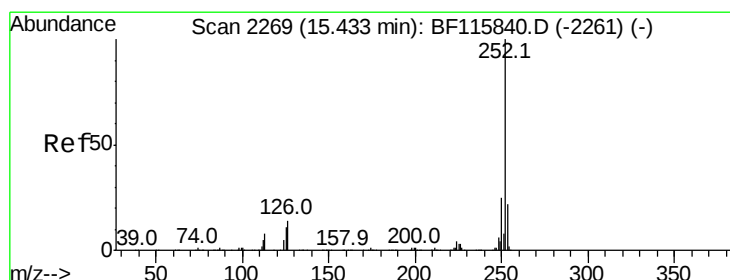
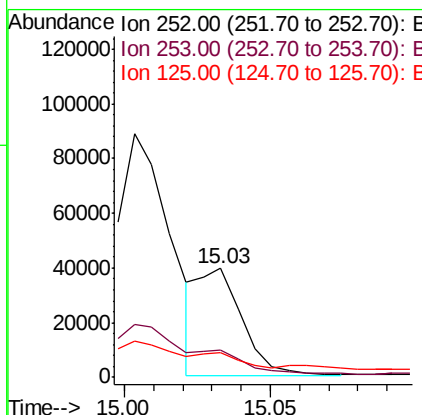
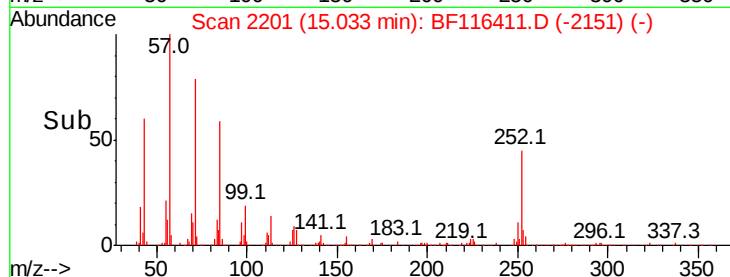
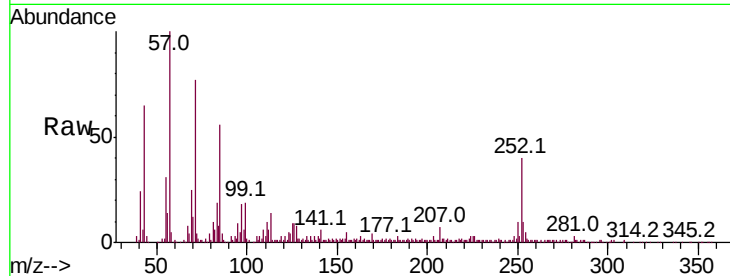
#89
Benzo(k)fluoranthene
Concen: 2.444 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampled :
SP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	22.8	7.7	11.5

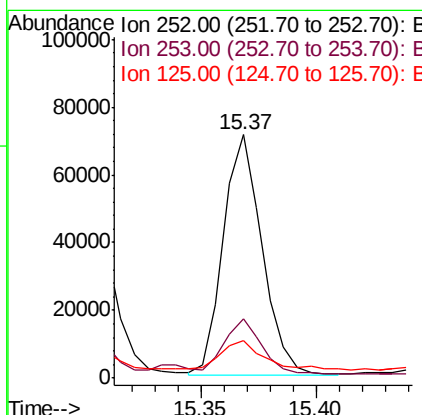
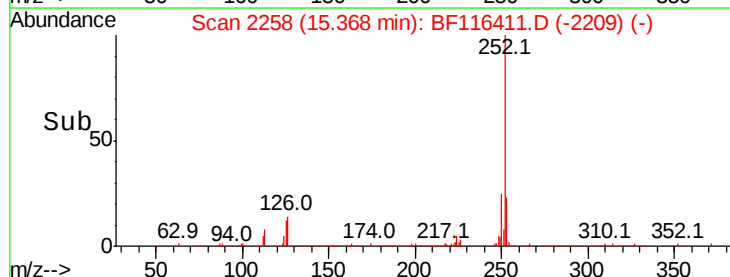
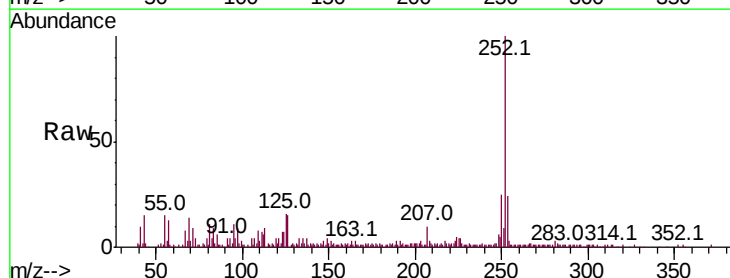
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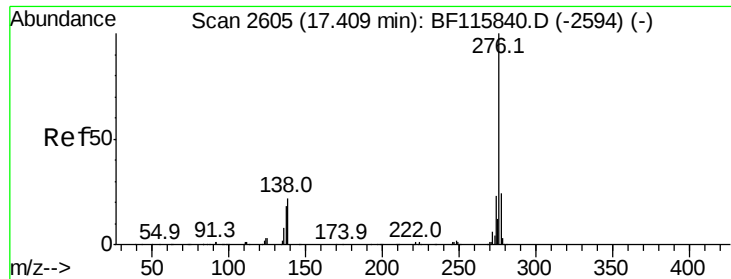
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#90
Benzo(a)pyrene
Concen: 5.454 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	15.5	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 3.239 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. 0.01 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	27.4	17.0	25.6

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