

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116407.D
 Acq On : 20 Aug 2019 00:11
 Operator : HP/JU
 Sample : K4238-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Manual Integrations
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mohammad
 8/22/2019 12:45:42 PM

Quant Time: Aug 20 03:39:13 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	102058	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	399647	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	216725	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	396103	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	265888	20.00	ng	-0.02
87) Perylene-d12	15.42	264	278291	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	846009	138.77	ng	0.00
7) Phenol-d6	6.45	99	1103259	143.43	ng	-0.01
23) Nitrobenzene-d5	7.37	82	704372	101.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	307830	146.50	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1141360	98.64	ng	-0.01
79) Terphenyl-d14	12.90	244	1326445	105.12	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	27768	3.066	ng	Qvalue # 73
50) Dimethylphthalate	9.55	163	195476	13.247	ng	99
71) Phenanthrene	11.35	178	219864	10.858	ng	99
72) Anthracene	11.40	178	43673	2.131	ng	98
75) Fluoranthene	12.53	202	411815	19.426	ng	98
78) Pyrene	12.76	202	363996	18.161	ng	99
81) Benzo(a)anthracene	13.95	228	151098	8.891	ng	98
83) Chrysene	13.99	228	132462	8.028	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	88889	6.414	ng	92
88) Benzo(b)fluoranthene	15.00	252	160172m	9.954	ng	
89) Benzo(k)fluoranthene	15.03	252	48246m	3.078	ng	
90) Benzo(a)pyrene	15.36	252	114617	7.968	ng	99
92) Benzo(a,h,i)perylene	17.33	276	80567	6.589	ng	98

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

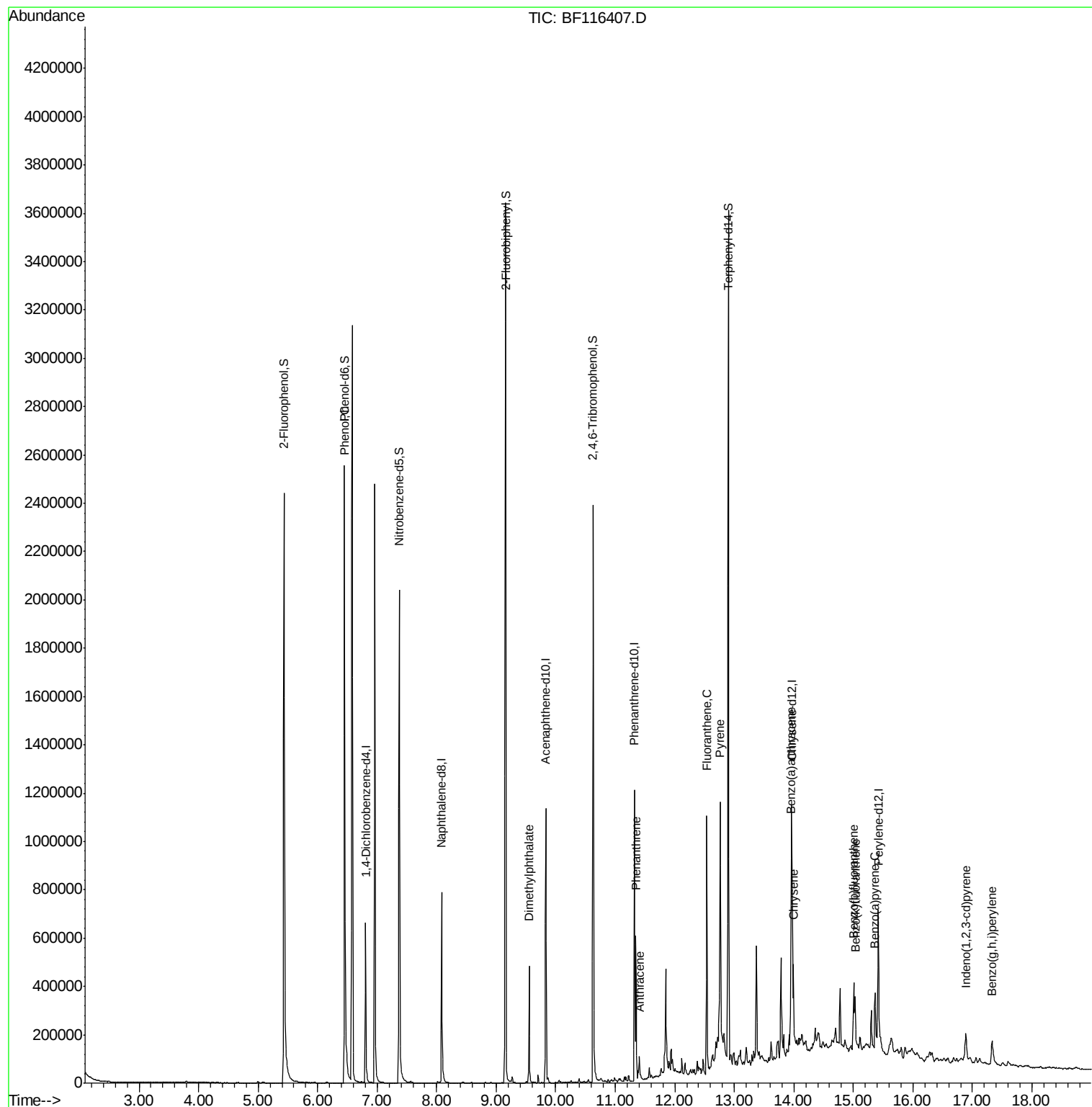
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116407.D
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ALS Vial : 16 Sample Multiplier: 1

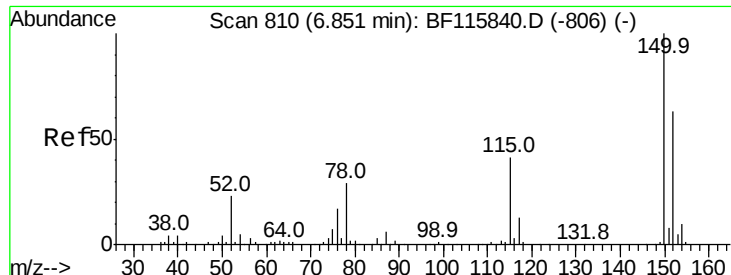
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#1

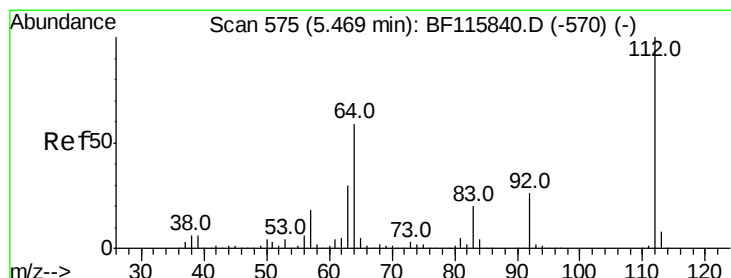
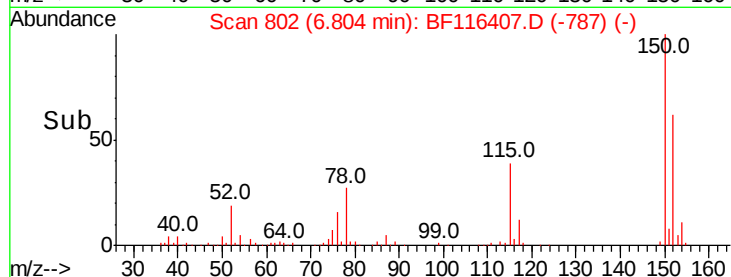
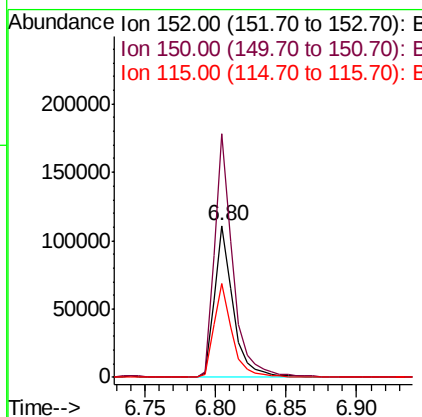
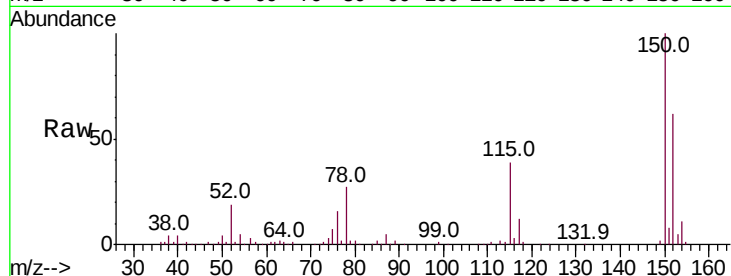
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :
TP-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	61.8	49.9	74.9

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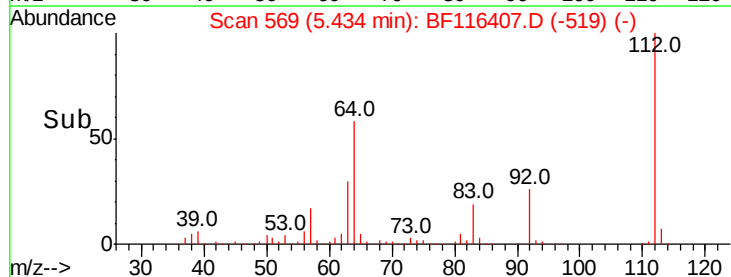
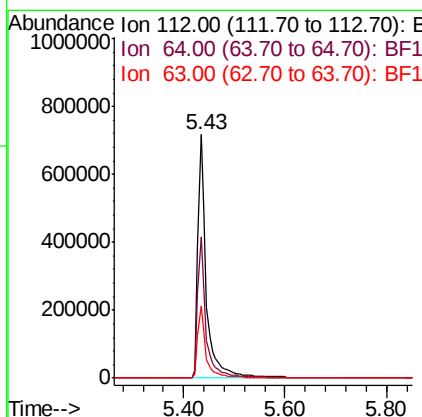
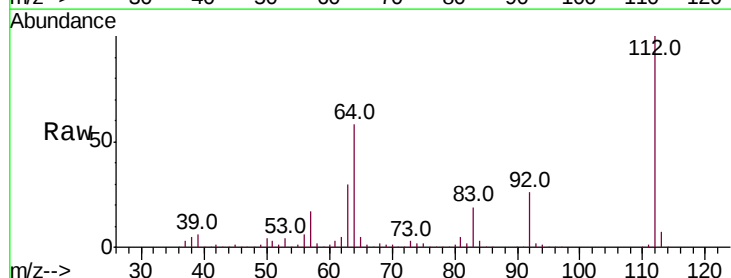
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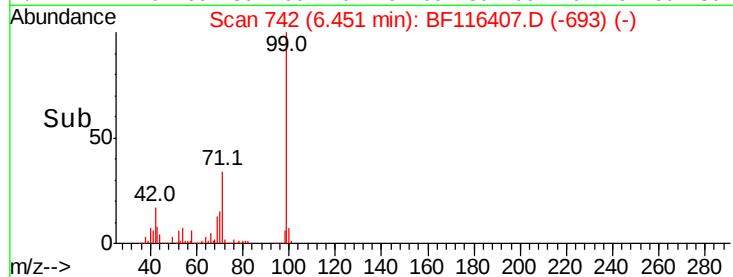
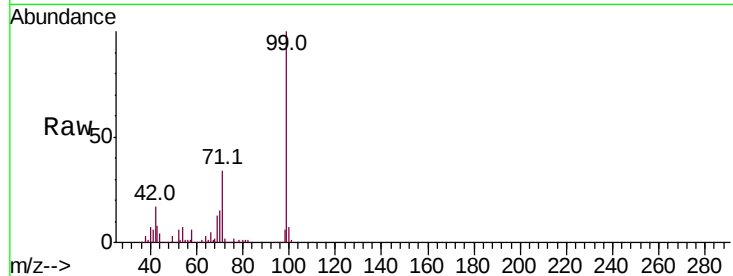
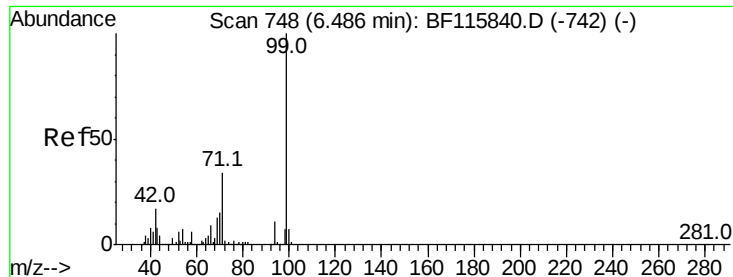


#5

2-Fluorophenol
Concen: 138.771 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.4	68.2
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 143.435 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Tot Ion:	99	Resp:	1103259
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	34.3	27.3	40.9

Instrument :

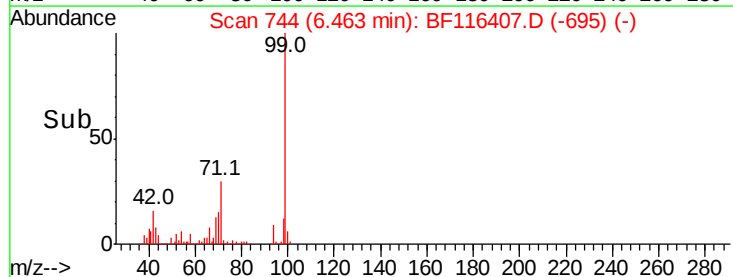
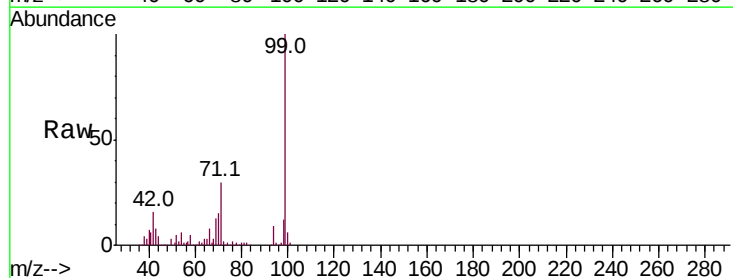
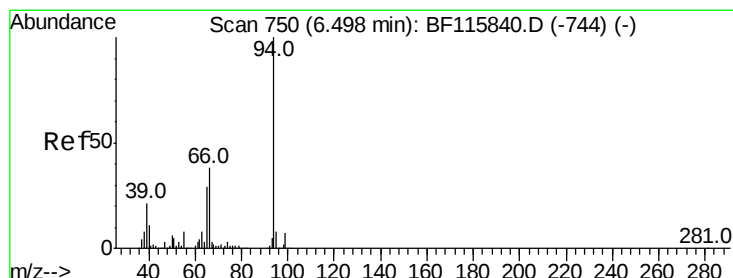
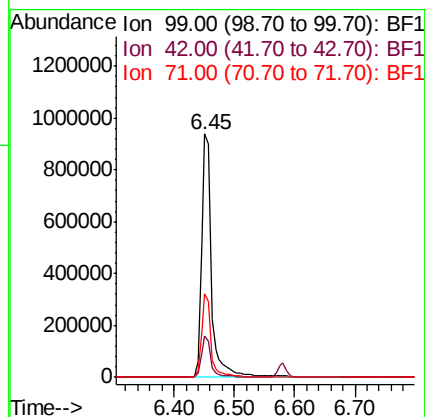
BNA_F

ClientSampleId :

TP-18

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#10

Phenol

Concen: 3.066 ng

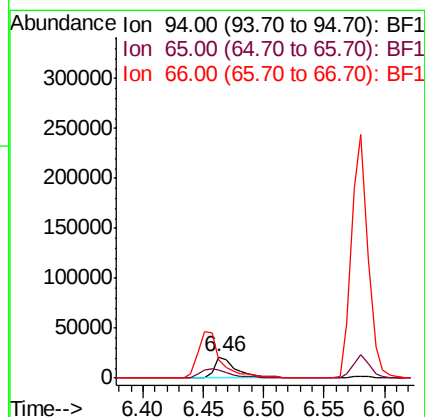
RT: 6.46 min Scan# 744

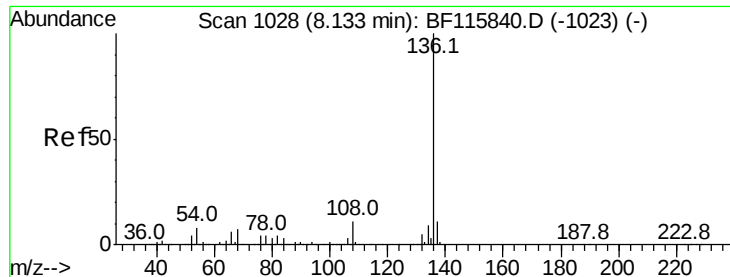
Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Tgt Ion:	94	Resp:	27768
Ion	Ratio	Lower	Upper
94	100		
65	36.9	16.8	56.8
66	86.3	34.2	74.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

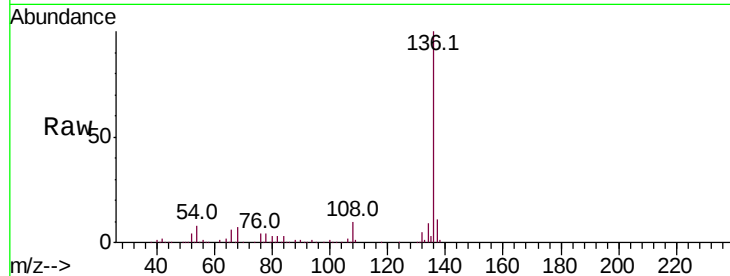
ClientSampleId :

TP-18

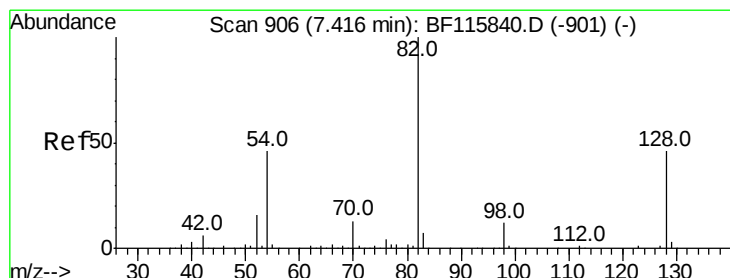
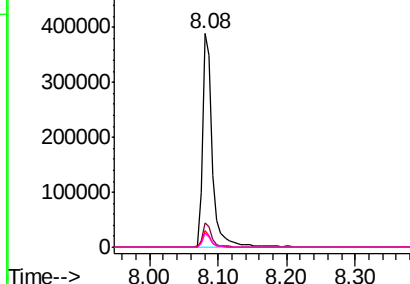
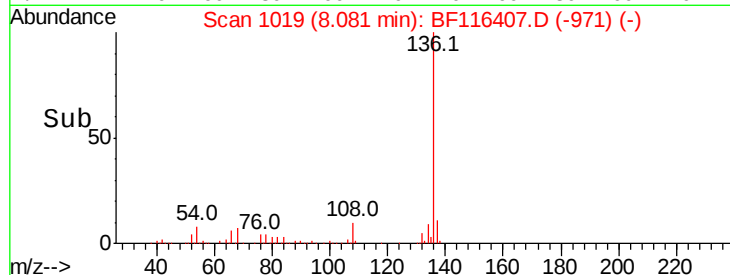
Tot Ion	Ratio	Resp	Lower	Upper
136	100	399647		
137	11.2		9.0	13.4
54	7.6		5.8	8.6
68	6.7		5.2	7.8

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Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 101.736 ng

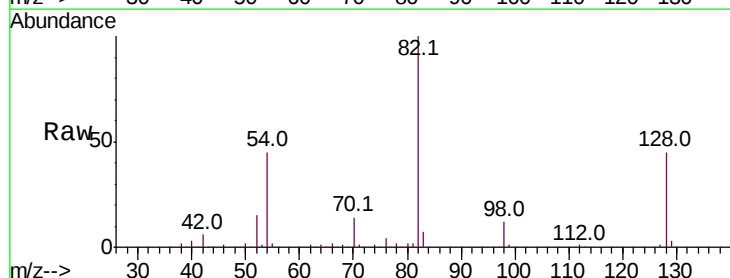
RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

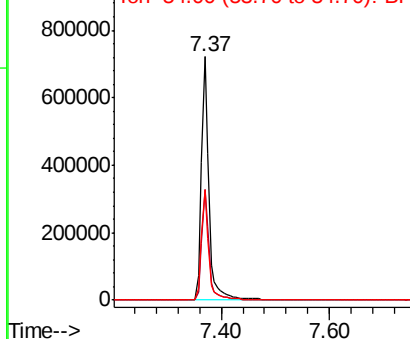
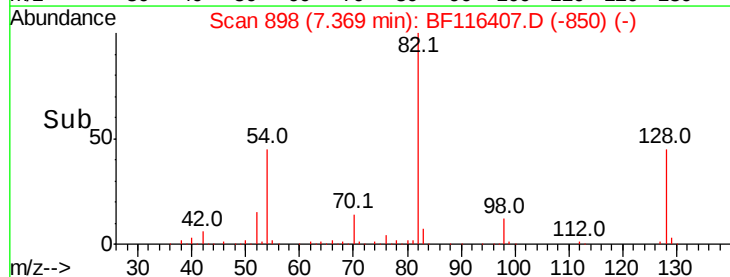
Lab File: BF116407.D

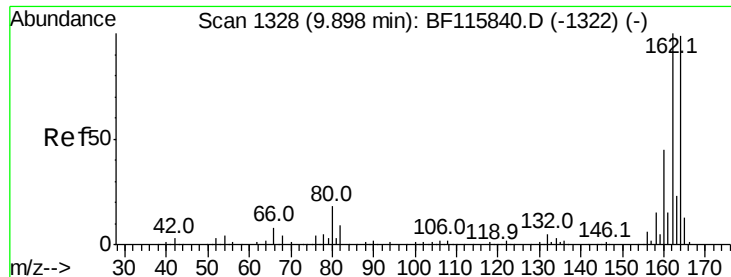
Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	704372		
128	45.4		36.5	54.7
54	45.3		36.0	54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





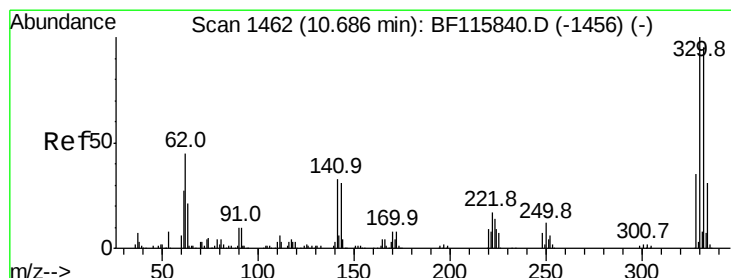
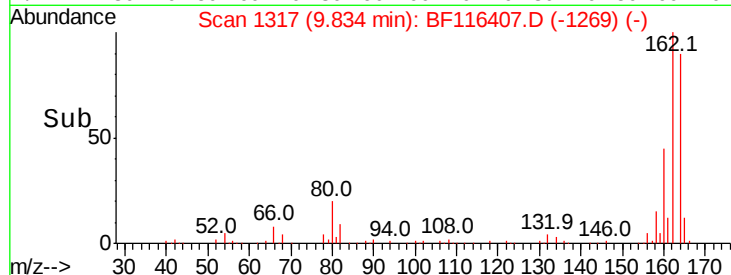
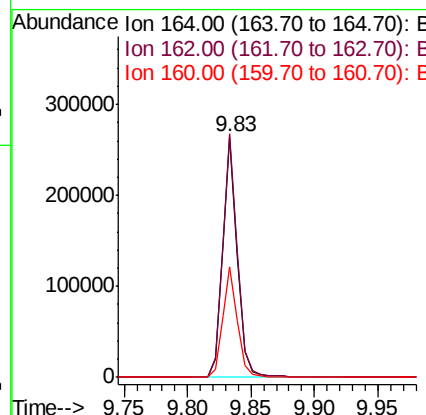
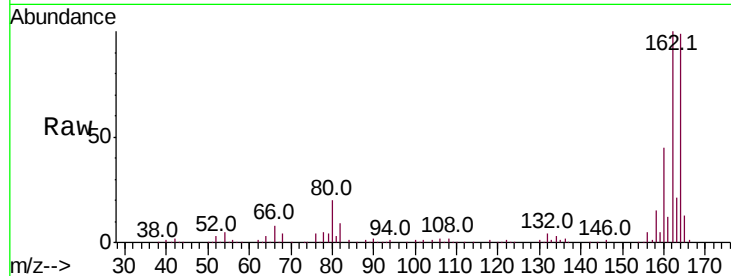
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :
TP-18

Tot Ion	Ratio	Resp	Lower	Upper
164	100	216725		
162	101.5	82.6	124.0	
160	45.9	37.6	56.4	

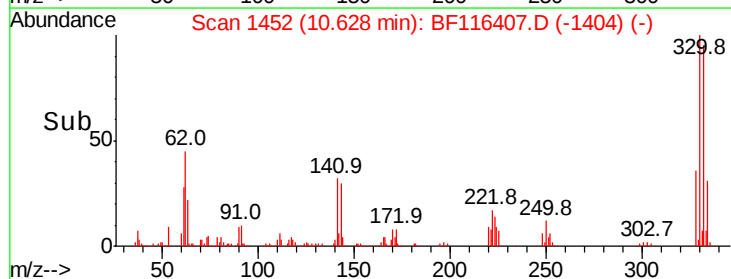
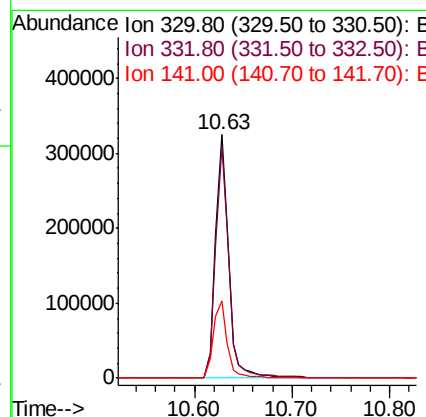
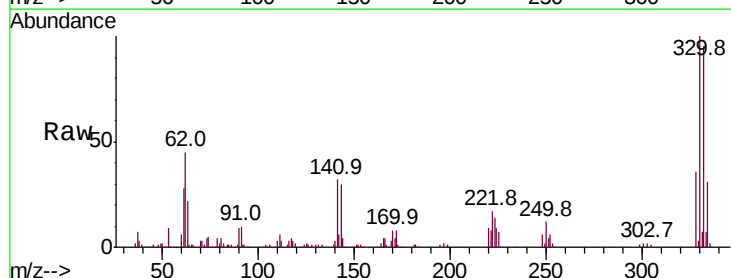
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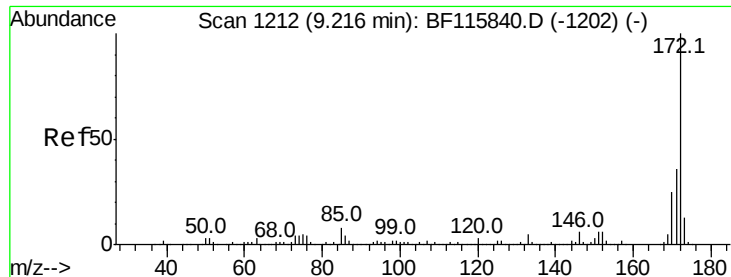
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#42
2,4,6-Tribromophenol
Concen: 146.501 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	307830		
332	96.5	76.8	115.2	
141	33.8	26.3	39.5	





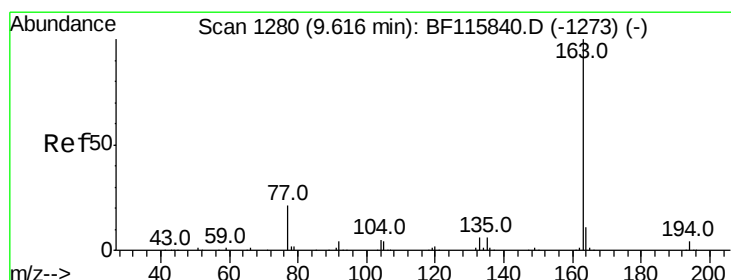
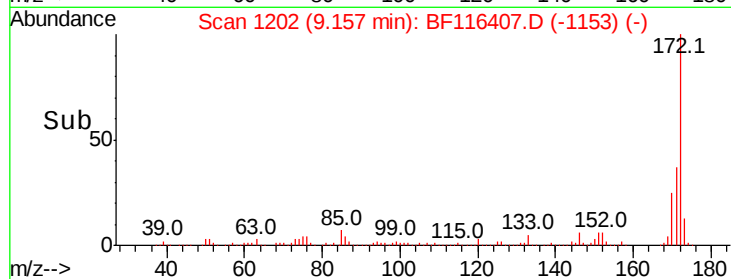
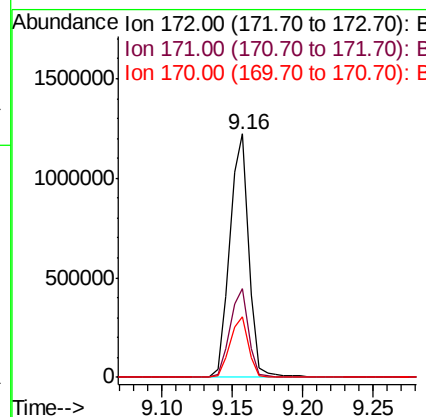
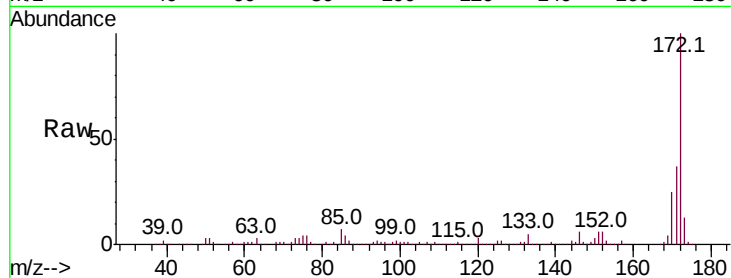
#45
 2-Fluorobiphenyl
 Concen: 98.644 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.8	20.1	30.1

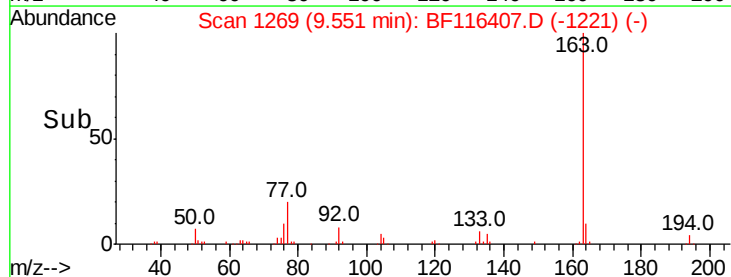
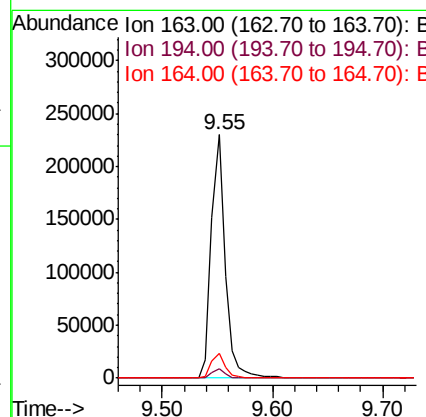
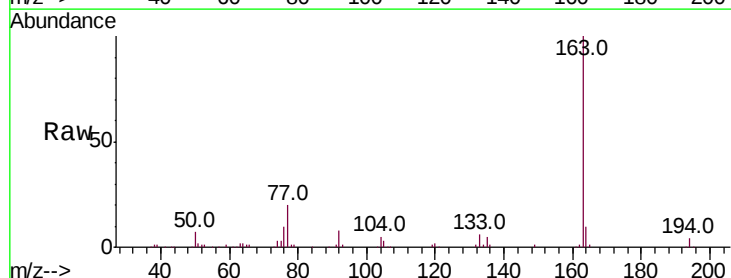
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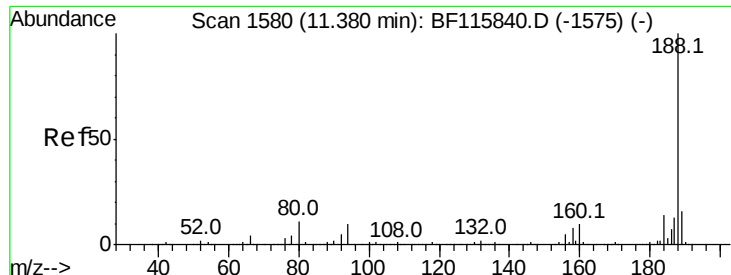
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#50
 Dimethylphthalate
 Concen: 13.247 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.9	8.4	12.6





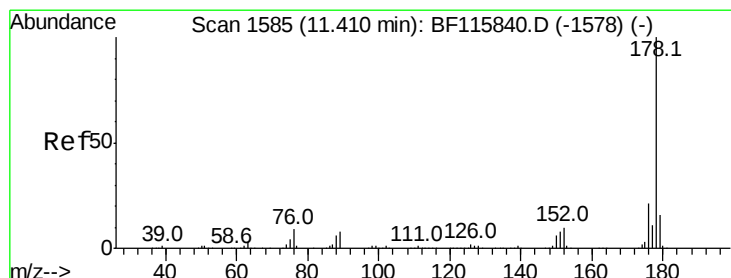
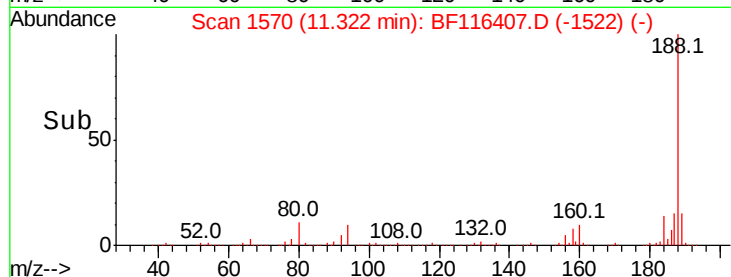
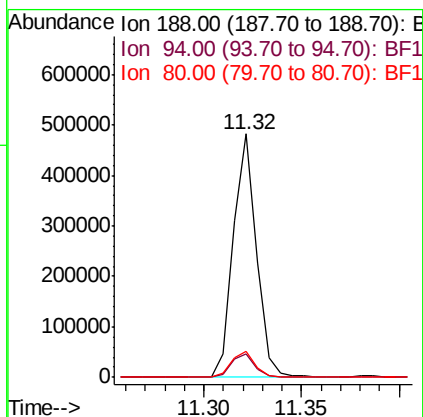
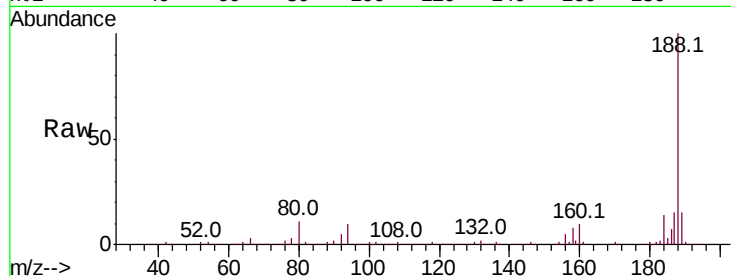
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :
TP-18

Tot Ion	Ratio	Resp	Lower	Upper
188	100	396103		
94	9.5		8.1	12.1
80	10.6		8.7	13.1

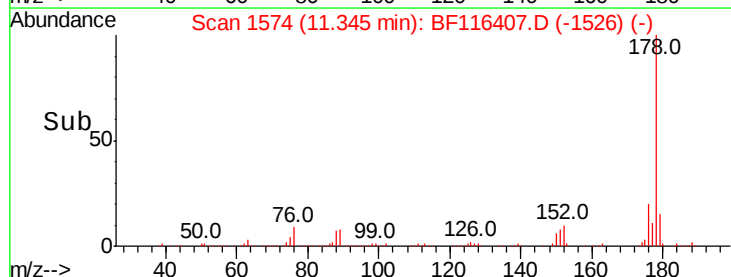
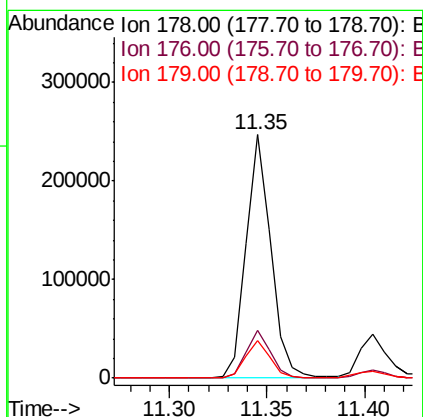
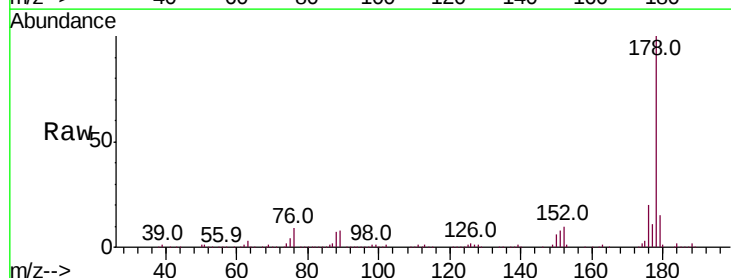
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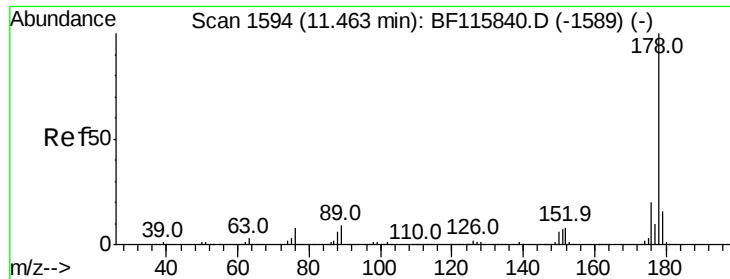
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#71
Phenanthrene
Concen: 10.858 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	219864		
176	19.8		16.6	24.8
179	15.3		12.5	18.7





#72

Anthracene

Concen: 2.131 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

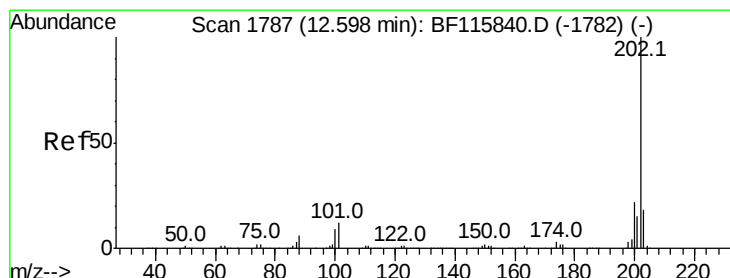
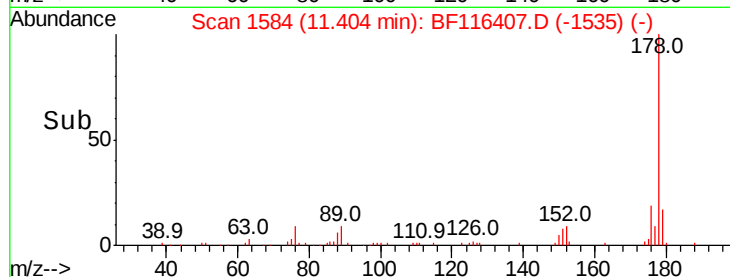
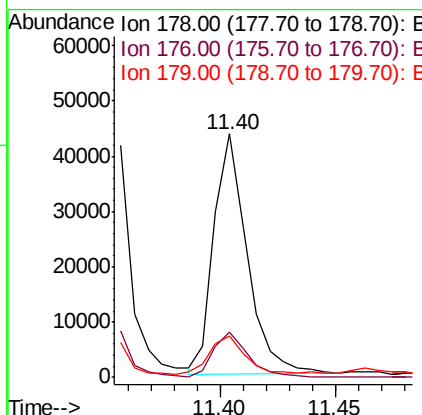
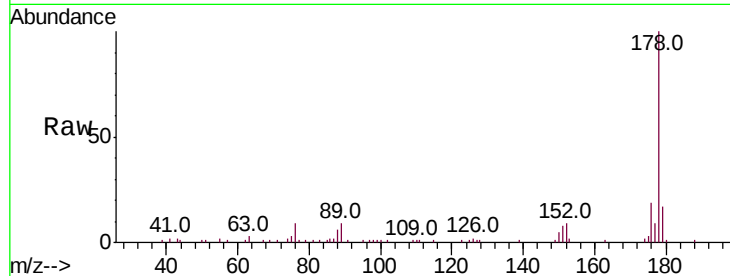
ClientSampleId :

TP-18

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	16.8	13.0	19.6

Manual Integrations
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#75

Fluoranthene

Concen: 19.426 ng

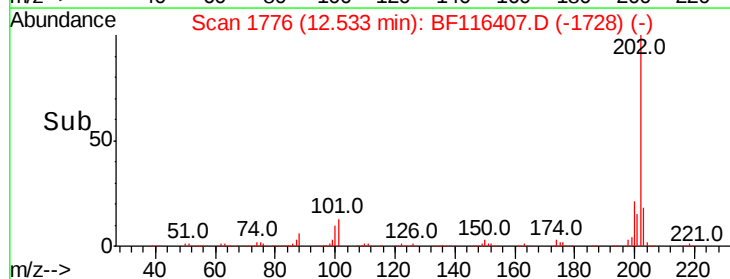
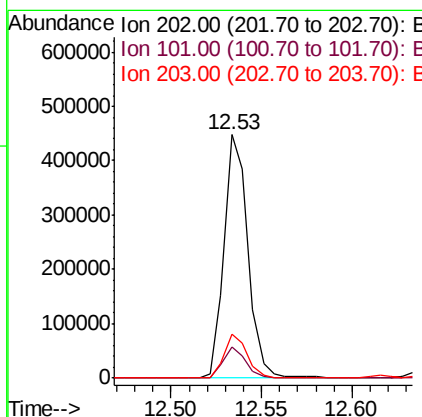
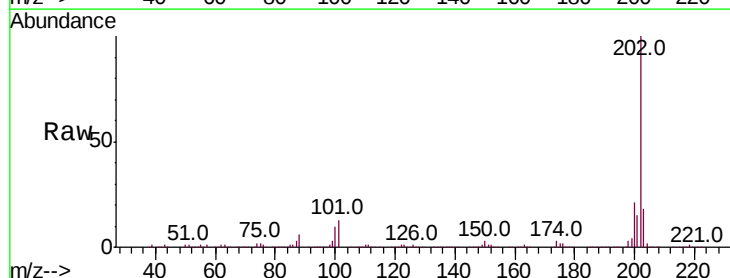
RT: 12.53 min Scan# 1776

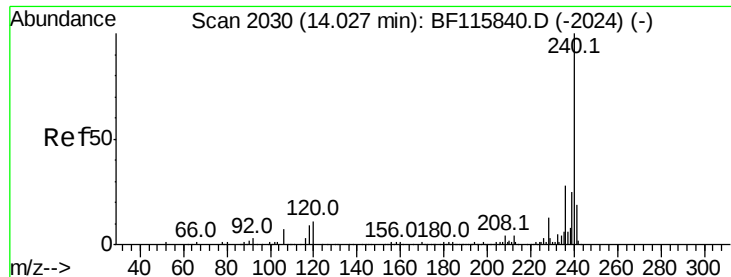
Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.2
203	18.1	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: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

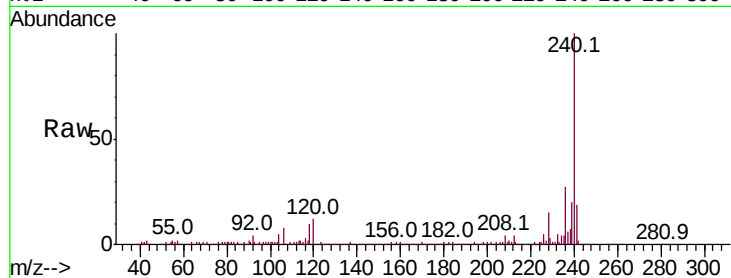
ClientSampleId :

TP-18

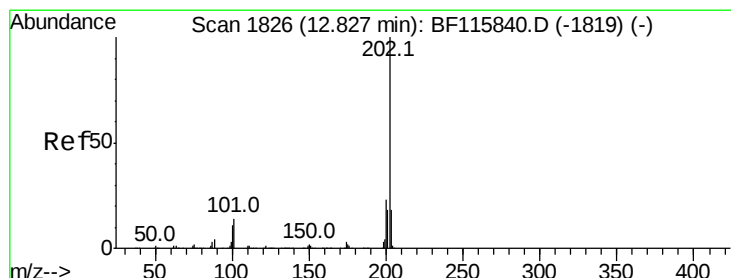
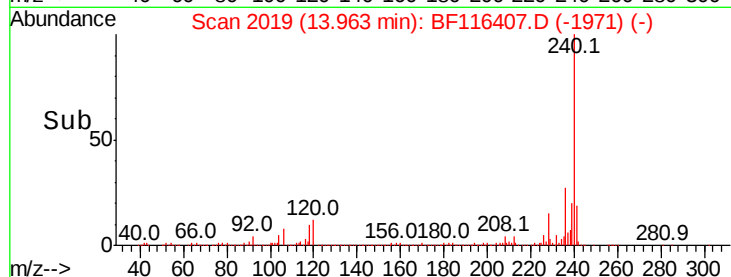
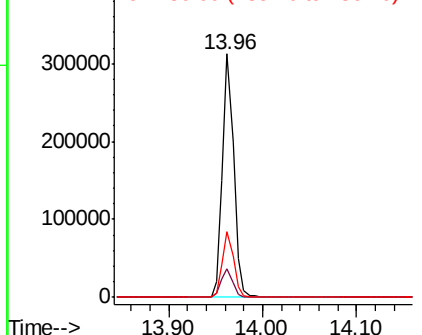
Tot Ion:	240	Resp:	265888
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.7	16.1
236	26.9	22.2	33.2

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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: 18.161 ng

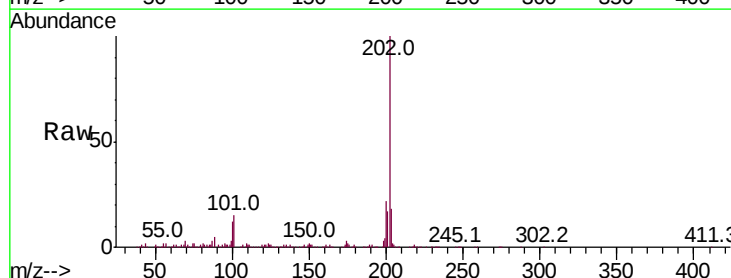
RT: 12.76 min Scan# 1815

Delta R.T. -0.02 min

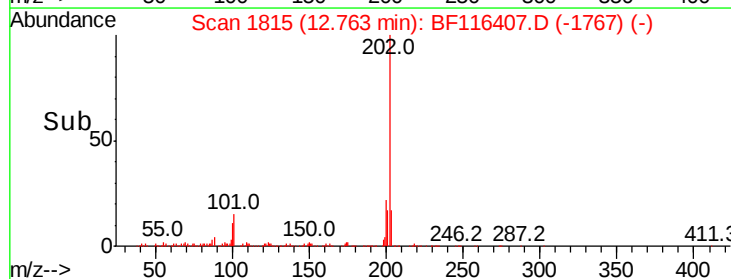
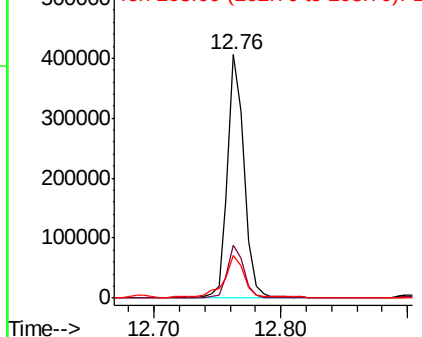
Lab File: BF116407.D

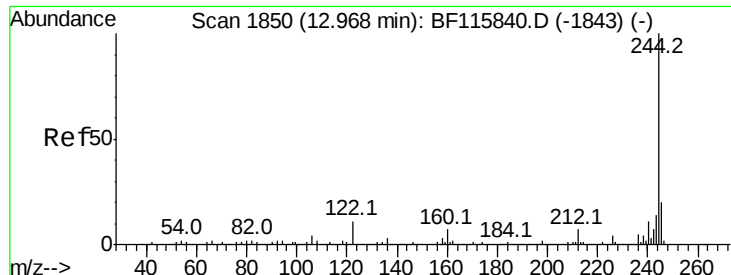
Acq: 20 Aug 2019 00:11

Tgt Ion:	202	Resp:	363996
Ion Ratio	Lower	Upper	
202	100		
200	21.7	18.0	27.0
203	17.7	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: 105.121 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

Tot Ion:244 Resp: 1326445

Ion Ratio Lower Upper

244 100

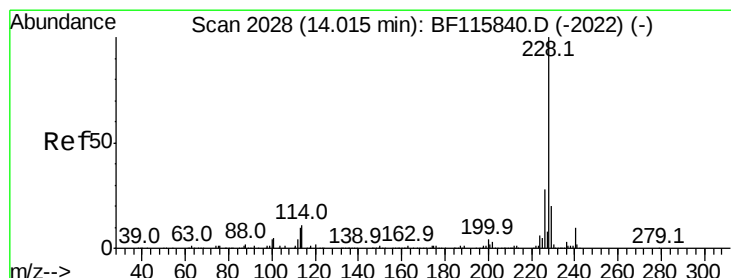
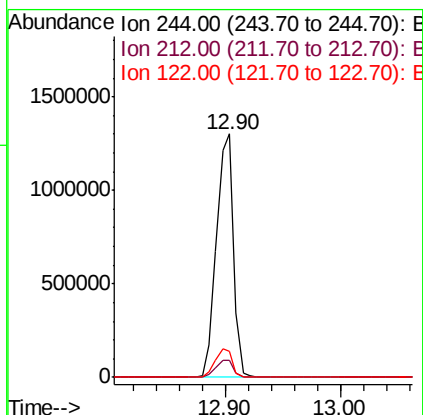
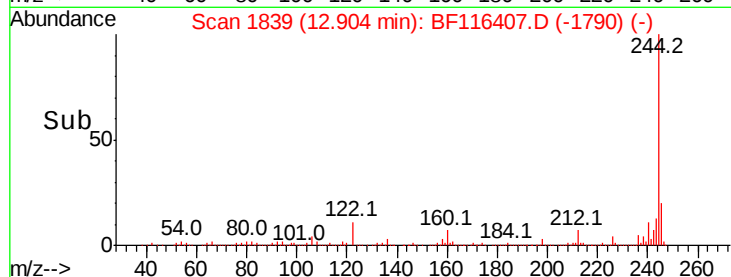
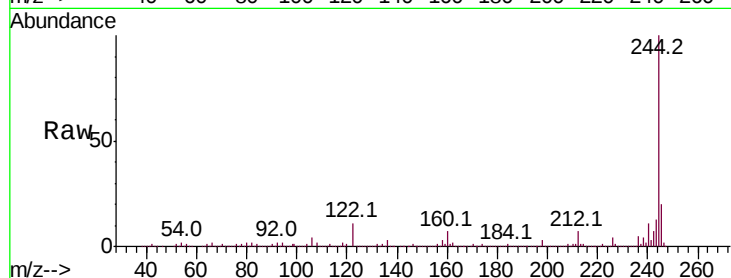
212 7.0 5.8 8.8

122 10.8 9.0 13.4

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#81

Benzo(a)anthracene

Concen: 8.891 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

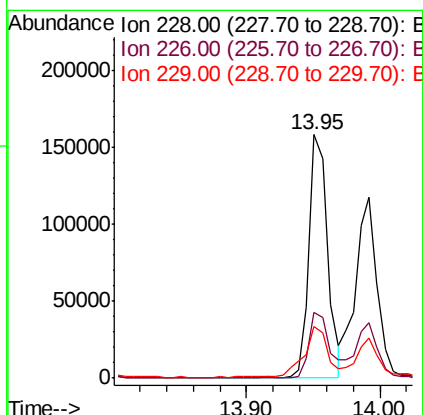
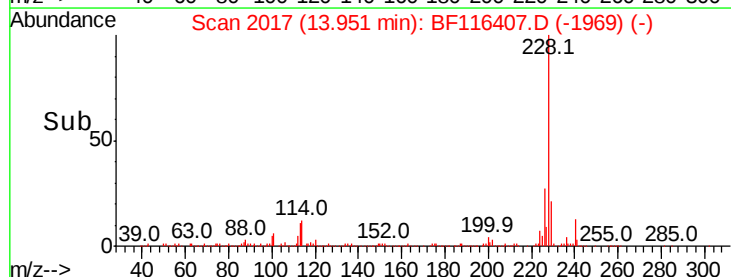
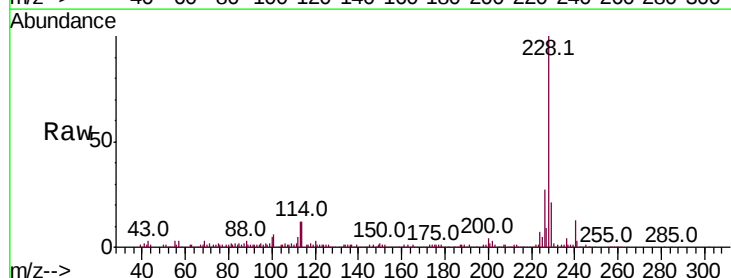
Tgt Ion:228 Resp: 151098

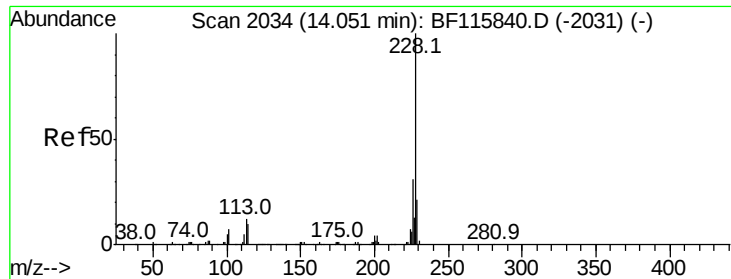
Ion Ratio Lower Upper

228 100

226 27.2 22.7 34.1

229 21.1 16.2 24.4





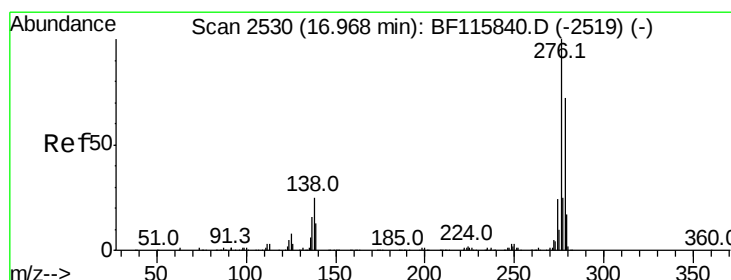
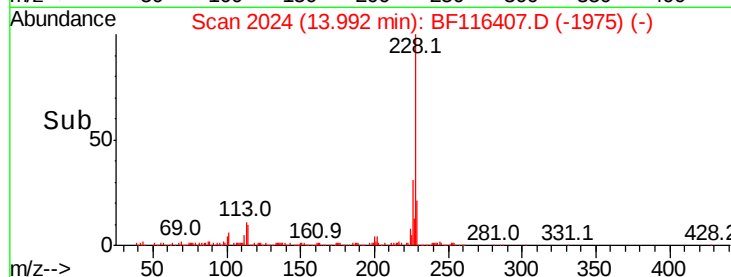
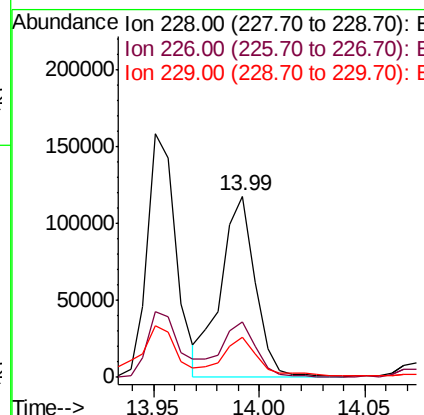
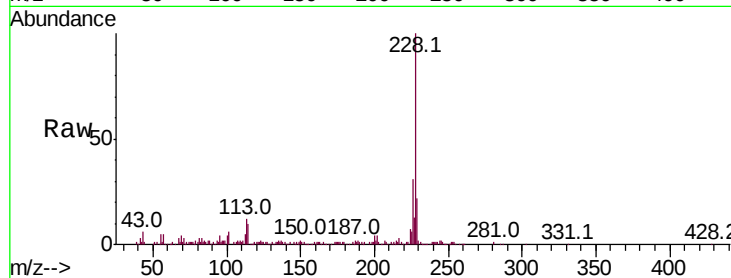
#83
Chrysene
Concen: 8.028 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :
TP-18

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	22.1	16.6	24.8

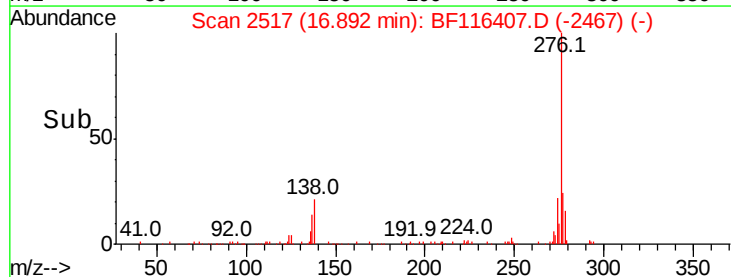
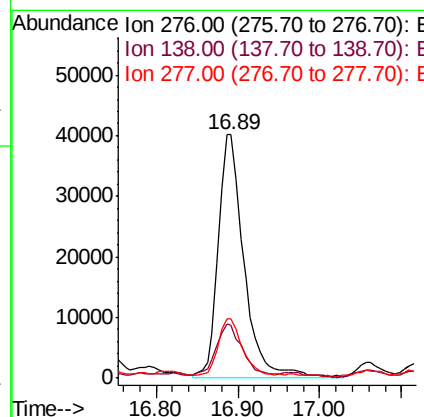
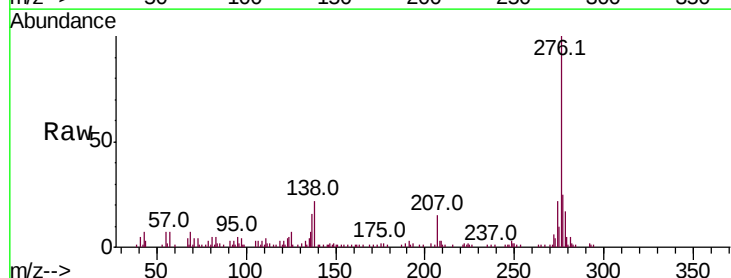
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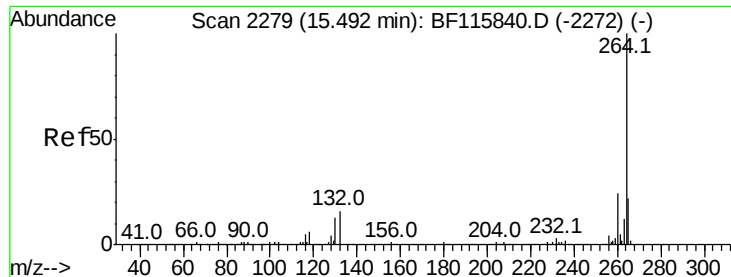
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.414 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.4	30.6
277	21.5	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

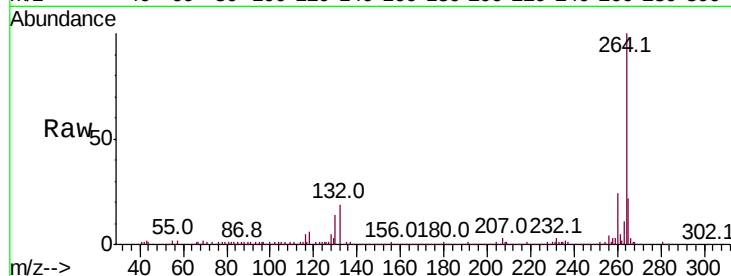
ClientSampled :

TP-18

Tot Ion:	264	Resp:	278291
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.7	29.5
265	22.2	17.4	26.0

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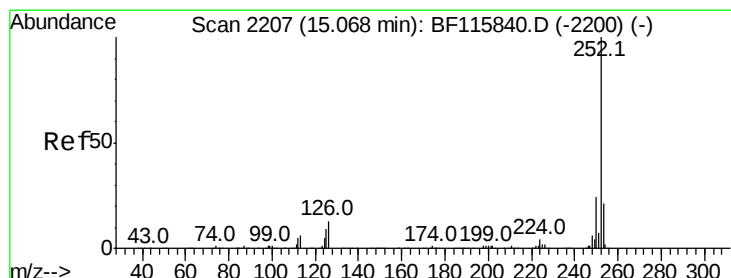
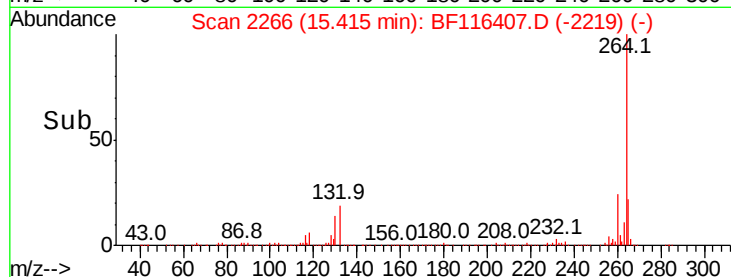
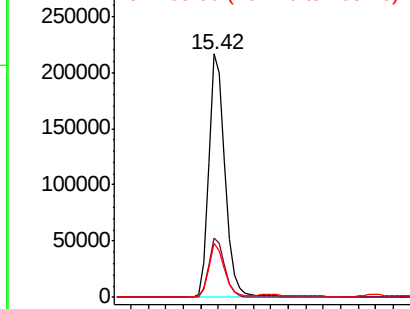


Abundance

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: 9.954 ng m

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

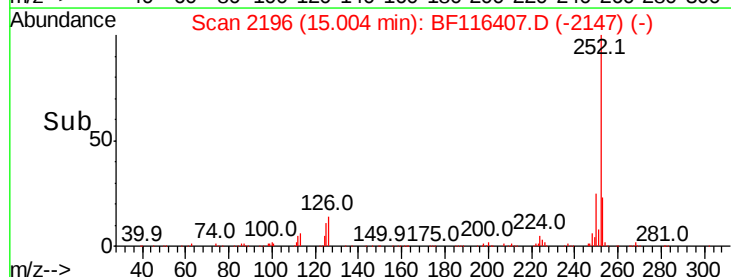
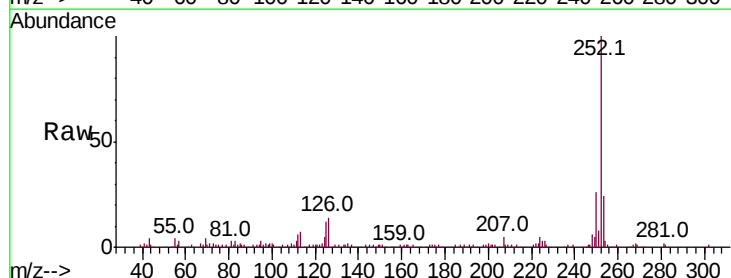
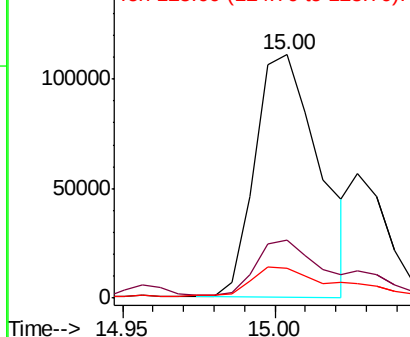
Tgt Ion:	252	Resp:	160172
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.8	26.8
125	12.4	8.4	12.6

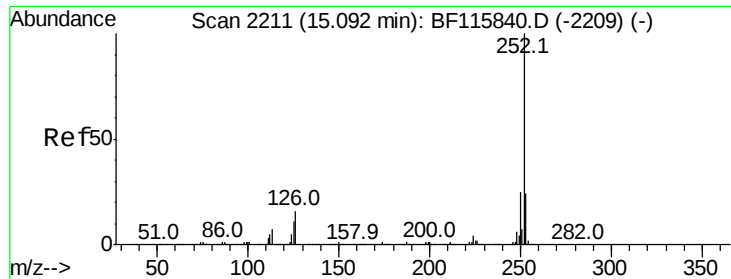
Abundance

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





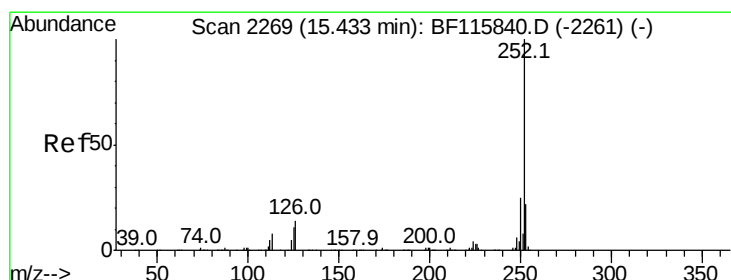
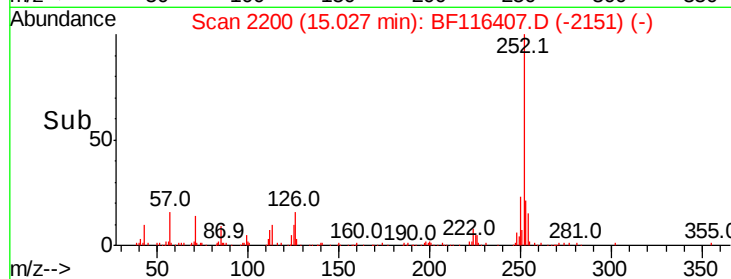
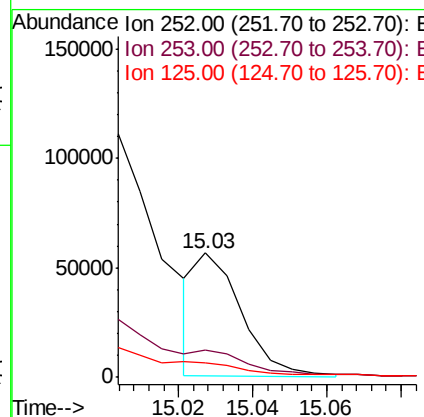
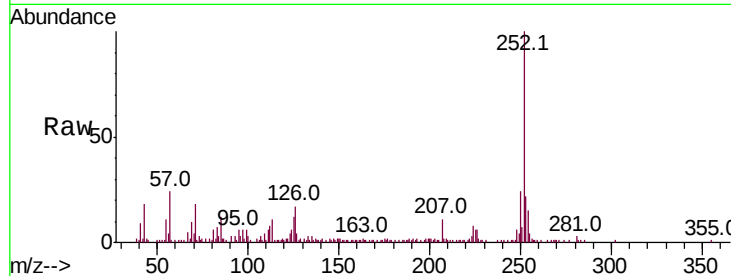
#89
Benzo(k)fluoranthene
Concen: 3.078 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.1	7.7	11.5

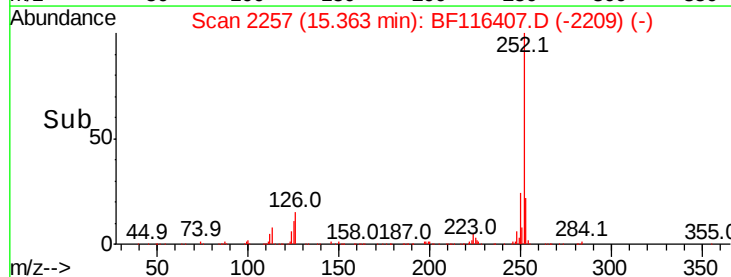
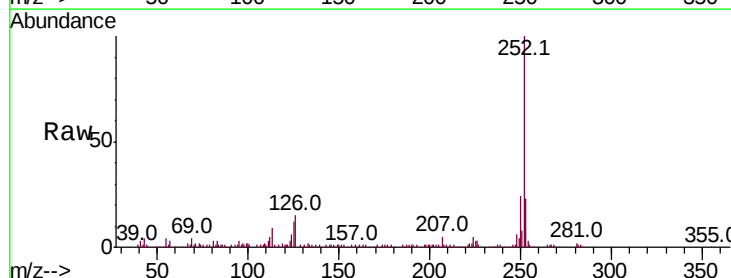
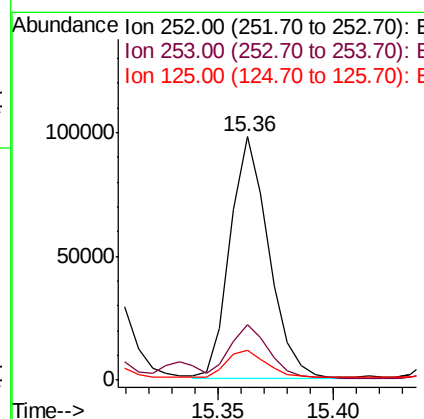
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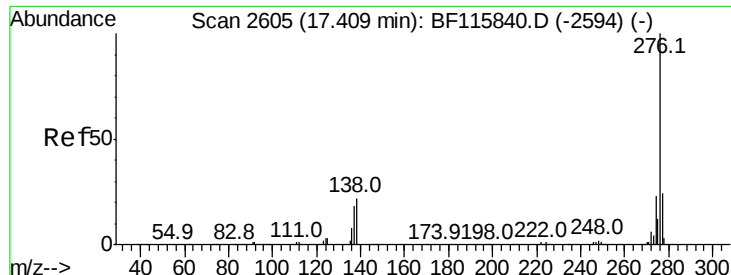
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#90
Benzo(a)pyrene
Concen: 7.968 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.1	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 6.589 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Tot Ion:	276	Resp:	80567
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.4	27.6
138	22.1	17.0	25.6

Manual Integrations
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