

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
 Data File : BF114507.D
 Acq On : 23 May 2019 2:06
 Operator : JU/SJ
 Sample : K2970-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Manual Integrations
 APPROVED

mohammad
 5/24/2019 8:49:30 AM

Quant Time: May 23 04:43:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	171604	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	673007	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	305648	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	526692	20.00	ng	0.00
76) Chrysene-d12	14.00	240	381302	20.00	ng	0.00
87) Perylene-d12	15.47	264	347224	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	495341	46.45	ng	-0.01
7) Phenol-d6	6.47	99	680165	53.93	ng	-0.02
23) Nitrobenzene-d5	7.39	82	388576	32.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	129050	40.84	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	692230	34.26	ng	0.00
79) Terphenyl-d14	12.93	244	504916	27.30	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.58	163	106726	4.757	ng	99
71) Phenanthrene	11.37	178	150455	5.872	ng	98
75) Fluoranthene	12.57	202	257318	9.325	ng	98
78) Pyrene	12.80	202	245791	8.013	ng	99
81) Benzo(a)anthracene	13.99	228	149209	6.050	ng	97
83) Chrysene	14.02	228	156521	6.474	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	61824	2.894	ng	95
88) Benzo(b)fluoranthene	15.04	252	224398m	10.087	ng	
89) Benzo(k)fluoranthene	15.07	252	49936m	2.444	ng	
90) Benzo(a)pyrene	15.41	252	115164	5.882	ng	# 96
92) Benzo(g,h,i)perylene	17.40	276	61611	3.779	ng	97

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

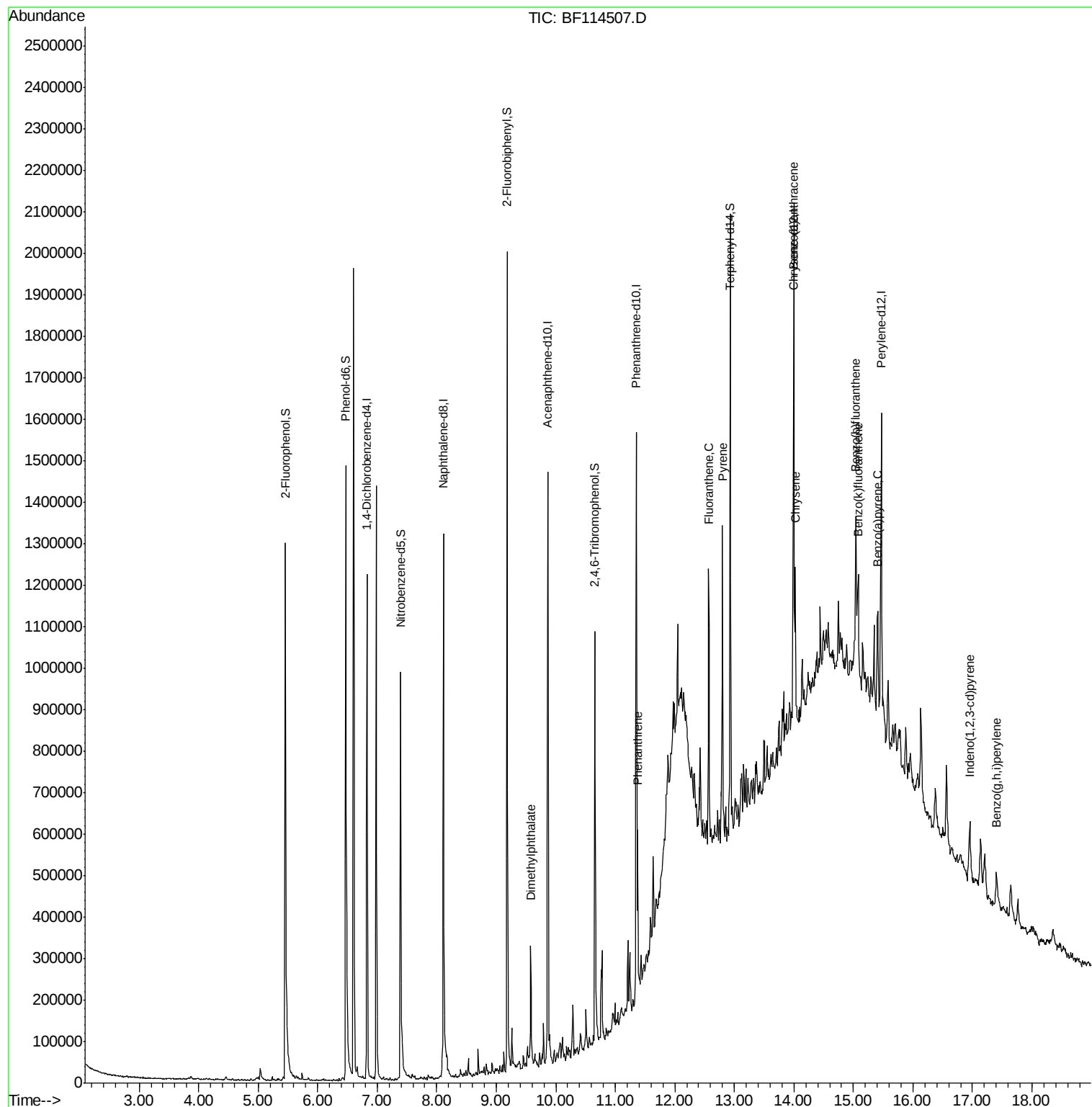
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114507.D
Acq On : 23 May 2019 2:06
Operator : JU/SJ
Sample : K2970-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

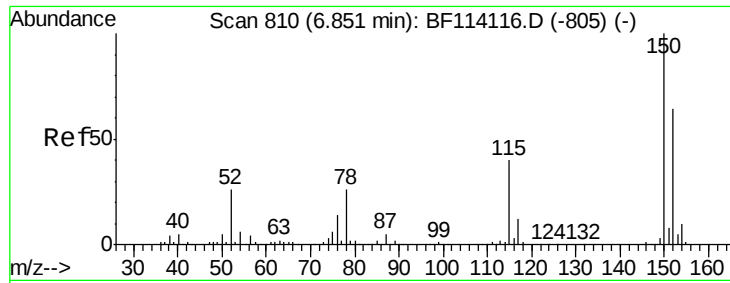
Instrument :
BNA_F
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

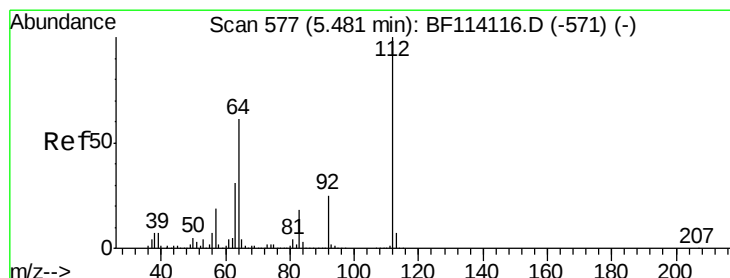
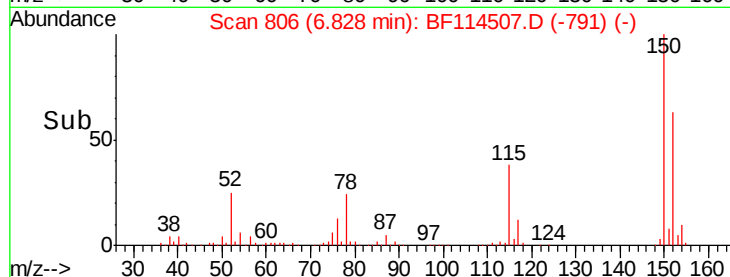
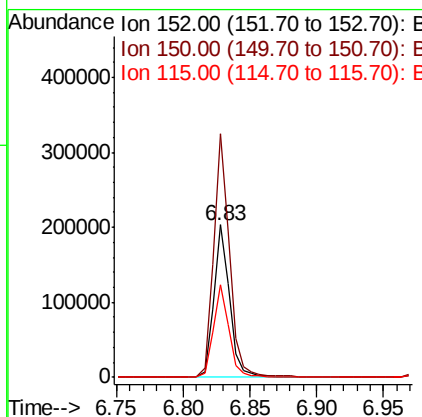
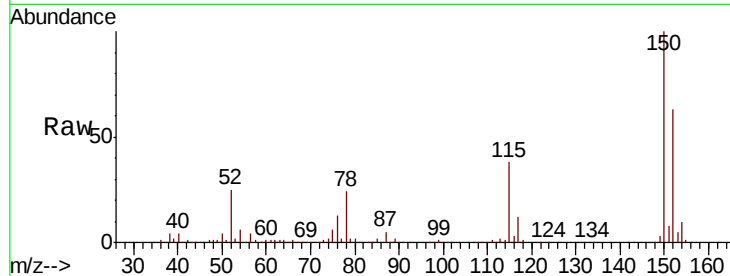
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.3	186.5
115	60.4	49.1	73.7

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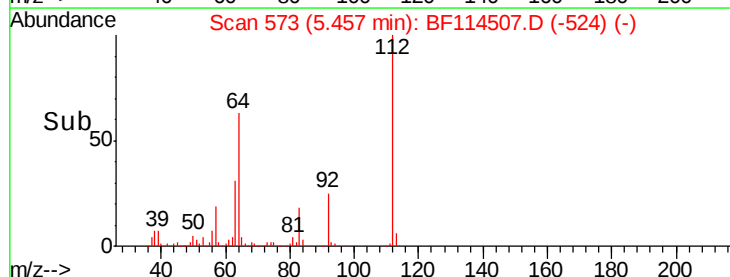
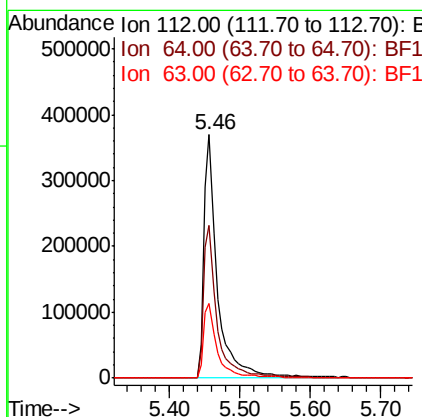
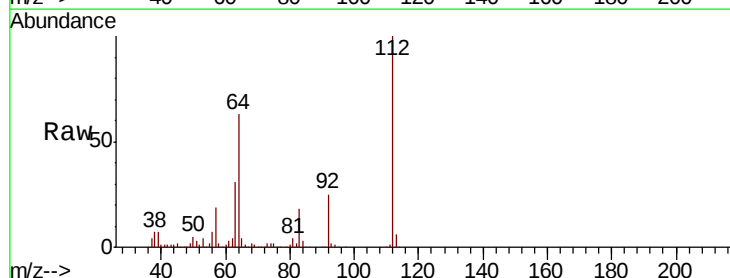
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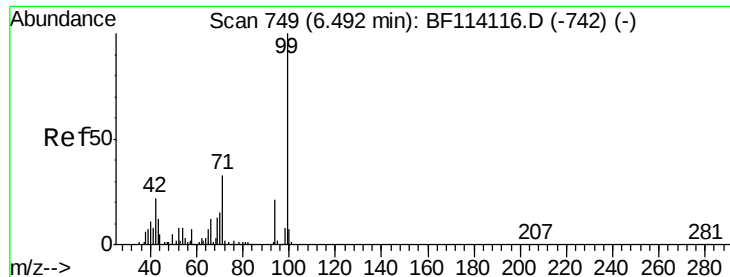


#5

2-Fluorophenol
Concen: 46.452 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.0	73.6
63	30.8	24.6	37.0





#7

Phenol-d6

Concen: 53.930 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114507.D

Acq: 23 May 2019 2:06

Instrument :

BNA_F

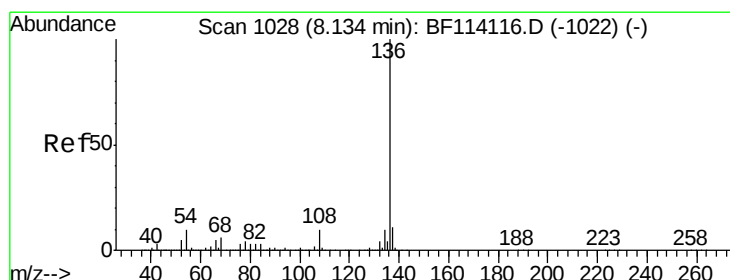
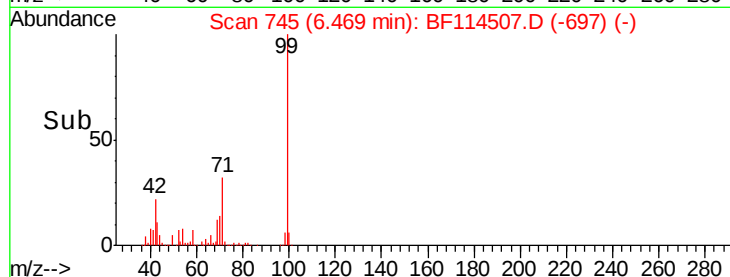
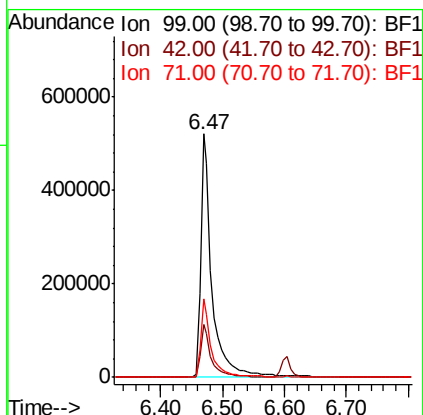
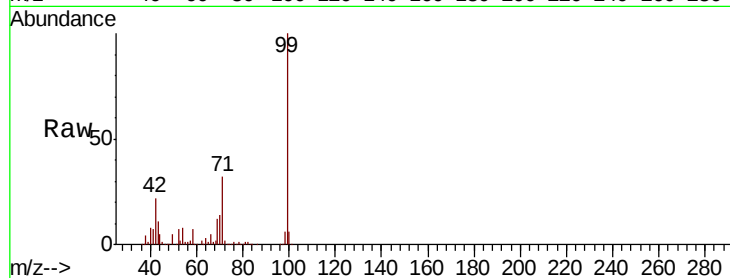
ClientSampled :

TP-9-S

Tot Ion:	99	Resp:	680165
Ion Ratio	Lower	Upper	
99	100		
42	21.6	17.9	26.9
71	32.2	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

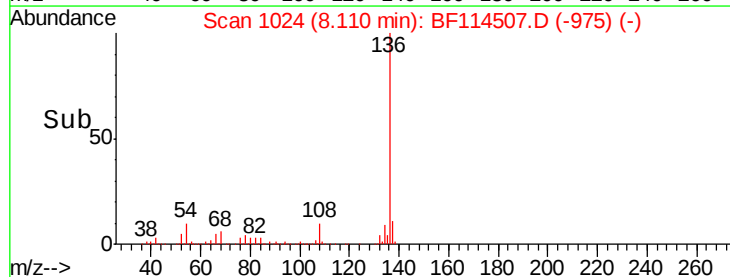
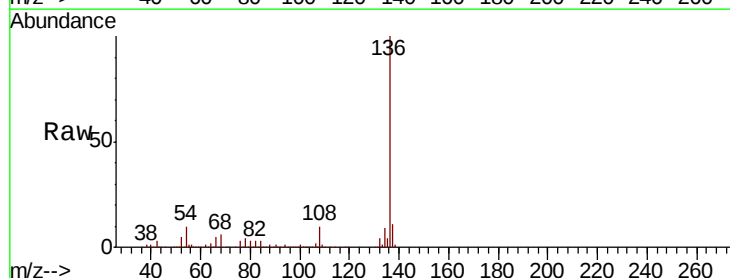
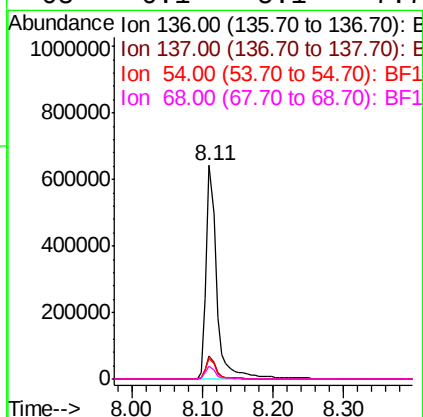
RT: 8.11 min Scan# 1024

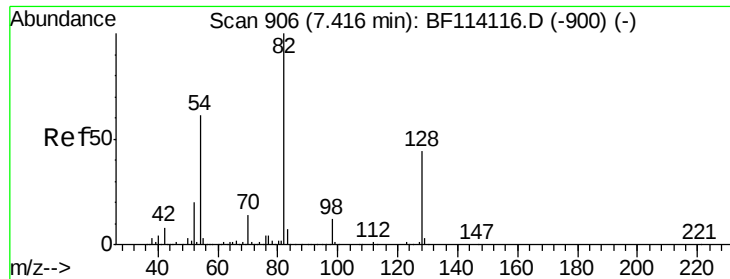
Delta R.T. -0.01 min

Lab File: BF114507.D

Acq: 23 May 2019 2:06

Tgt Ion:	136	Resp:	673007
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	9.8	7.8	11.8
68	6.1	5.1	7.7





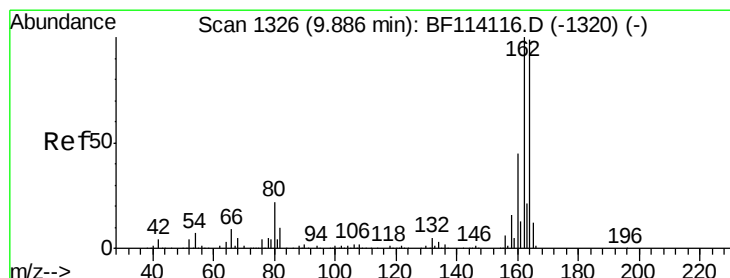
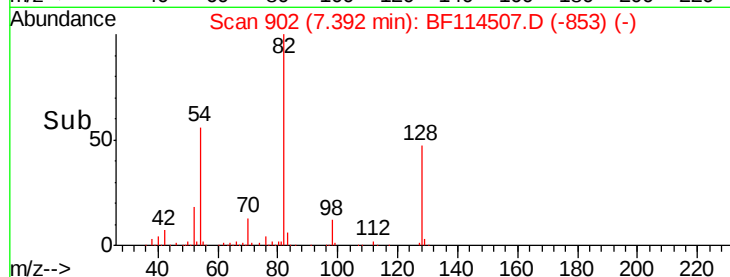
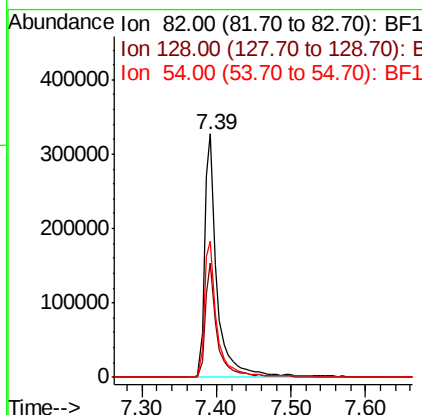
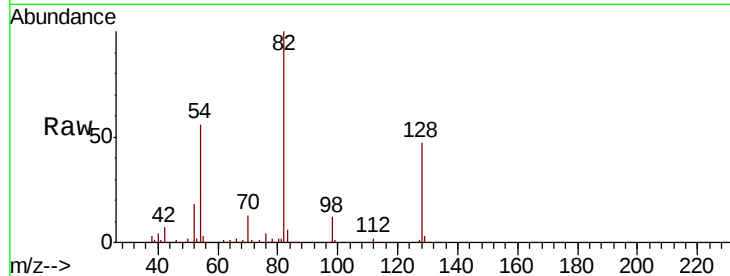
#23
Nitrobenzene-d5
Concen: 32.402 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.5	53.3
54	55.8	48.5	72.7

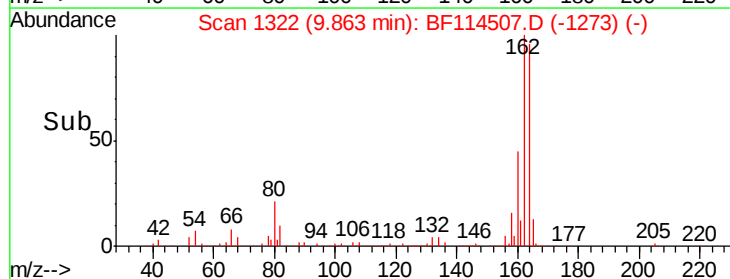
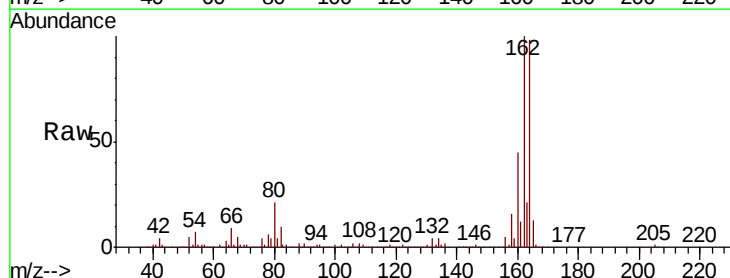
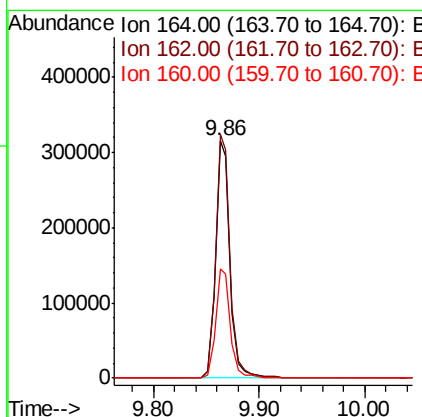
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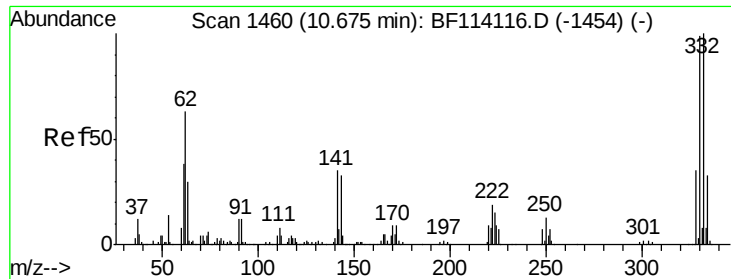
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	45.7	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 40.840 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114507.D

Acq: 23 May 2019 2:06

Instrument :

BNA_F

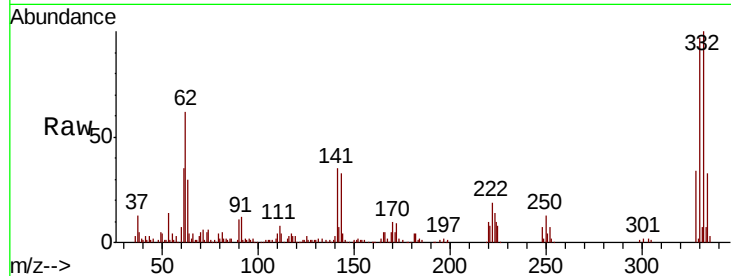
ClientSampled :

TP-9-S

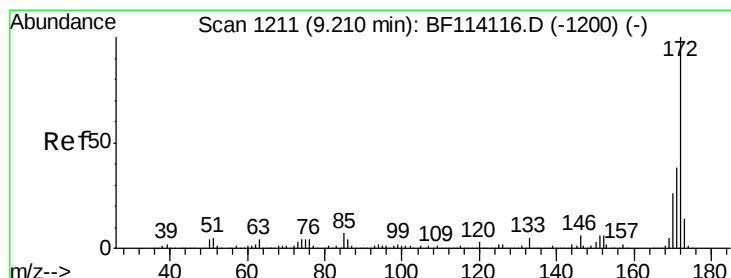
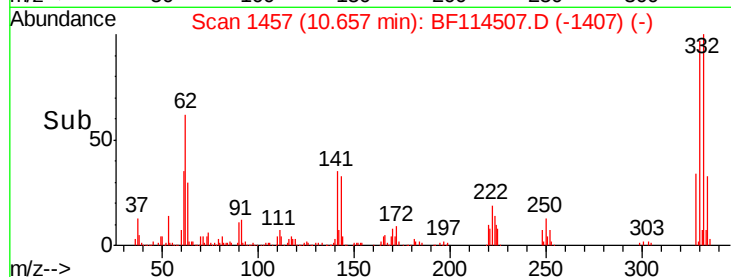
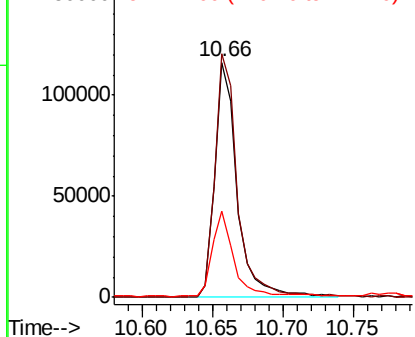
Tot Ion:	330	Resp:	129050
Ion Ratio	Lower	Upper	
330	100		
332	105.5	81.4	122.2
141	35.4	26.6	40.0

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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: 34.259 ng

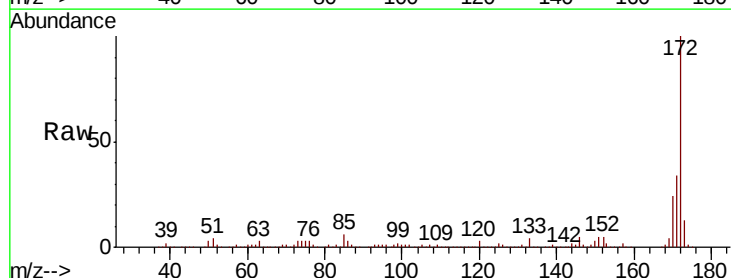
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

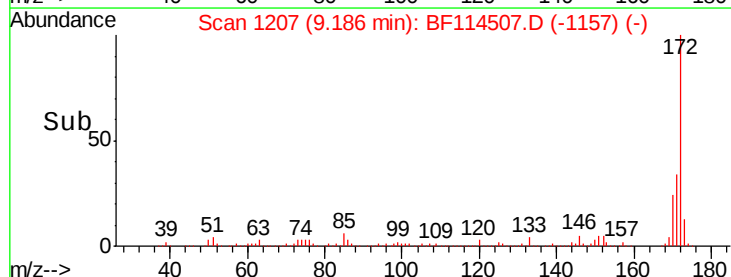
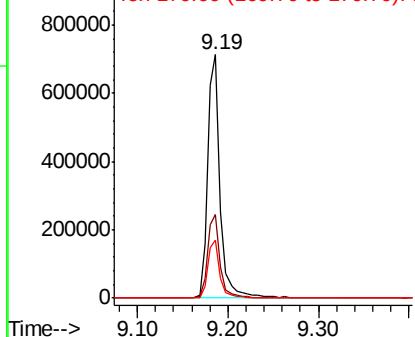
Lab File: BF114507.D

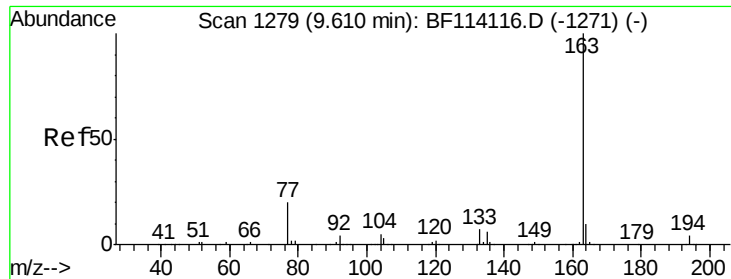
Acq: 23 May 2019 2:06

Tgt Ion:	172	Resp:	692230
Ion Ratio	Lower	Upper	
172	100		
171	34.4	30.7	46.1
170	23.6	20.5	30.7



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





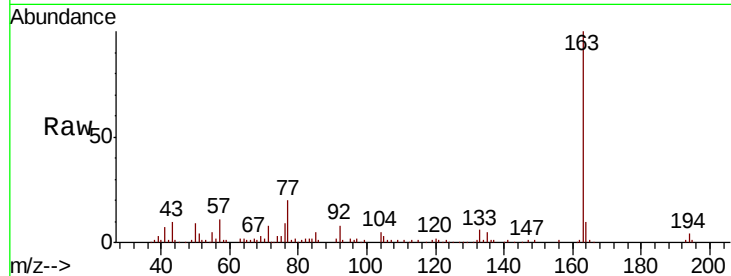
#50
Dimethylphthalate
Concen: 4.757 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampled :
TP-9-S

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.6	8.2	12.2

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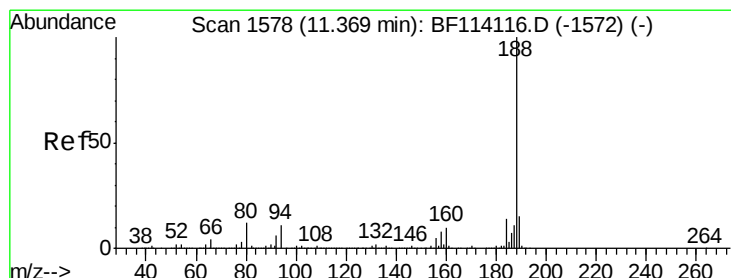
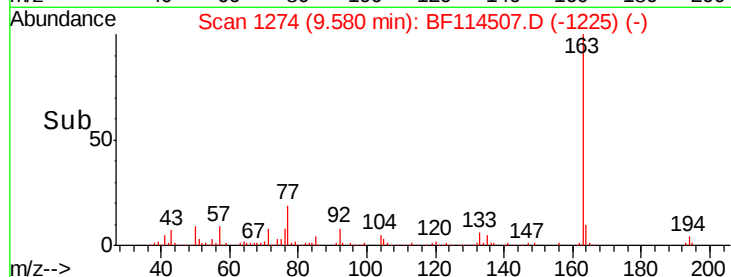
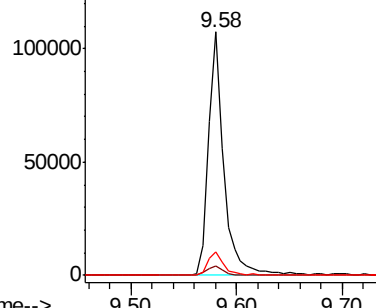


Abundance

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: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

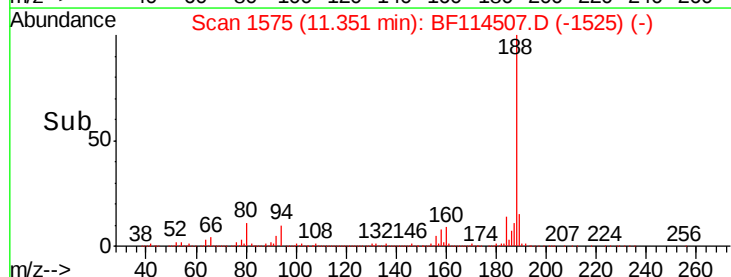
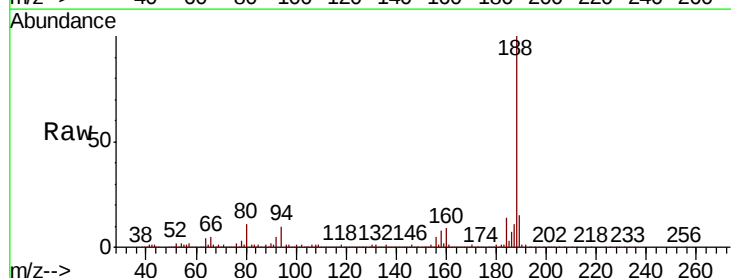
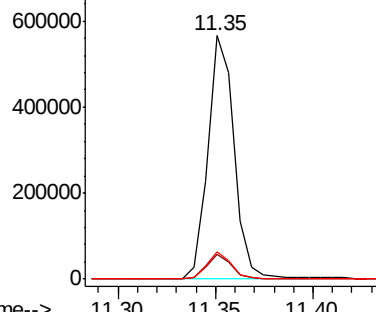
Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	8.4	12.6
80	11.3	9.2	13.8

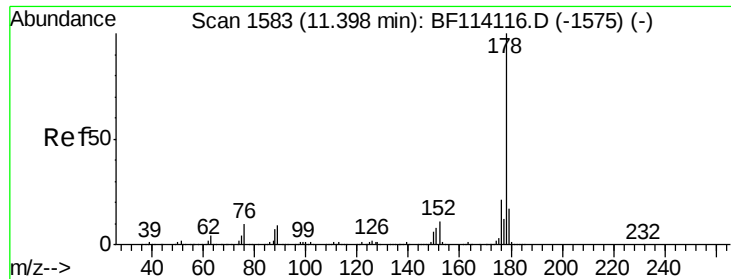
Abundance

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





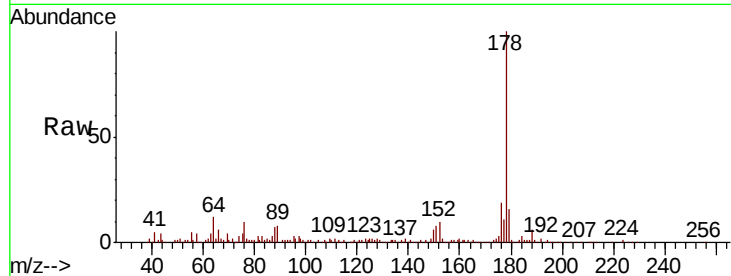
#71
Phenanthrene
Concen: 5.872 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.4	24.6
179	15.8	13.2	19.8

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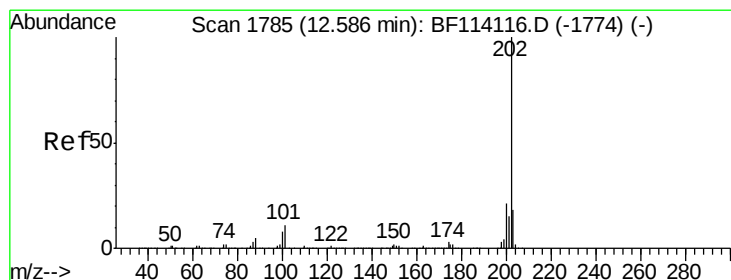
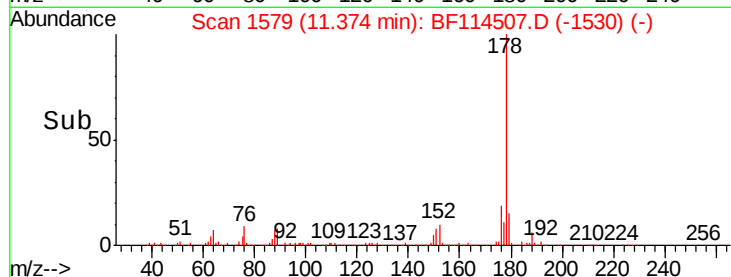
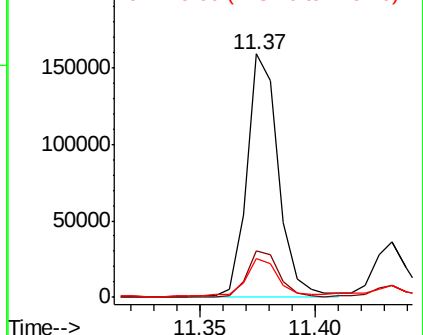


Abundance

Ion 178.00 (177.70 to 178.70): E

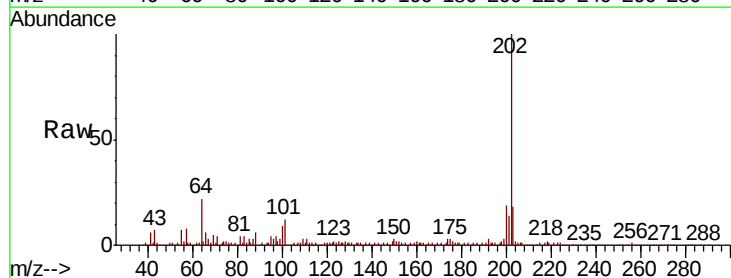
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 9.325 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.0
203	17.9	0.0	38.4

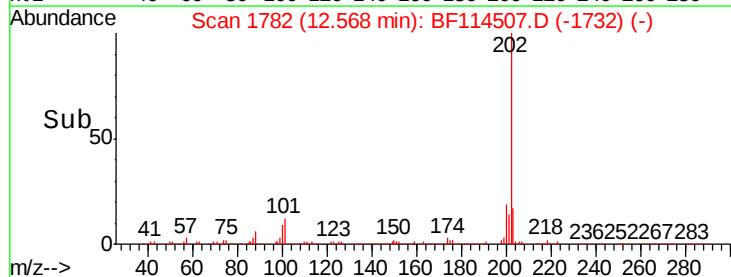
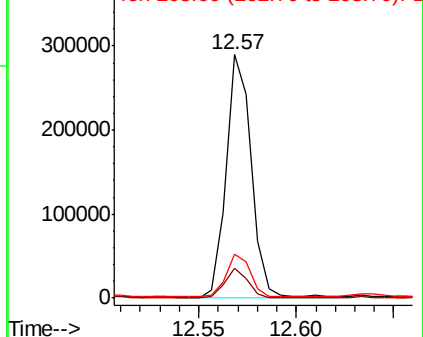


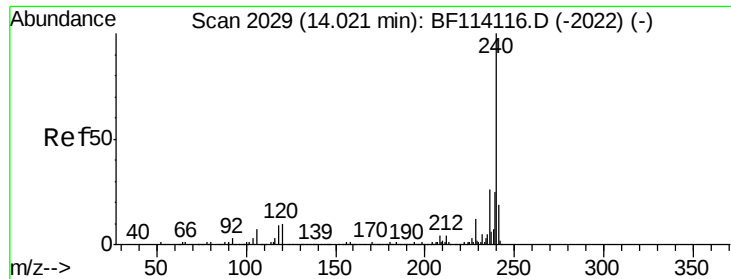
Abundance

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





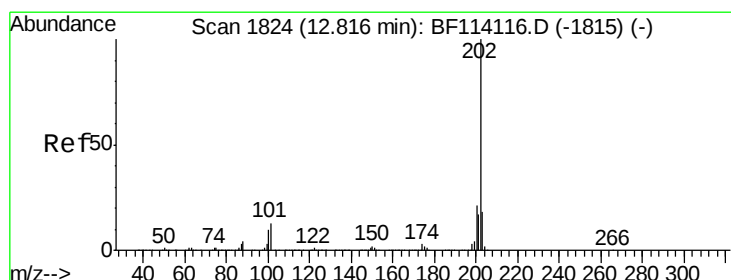
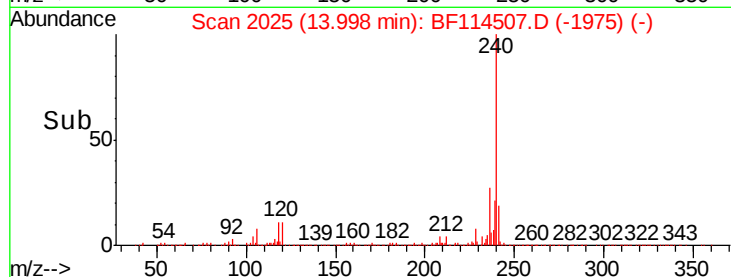
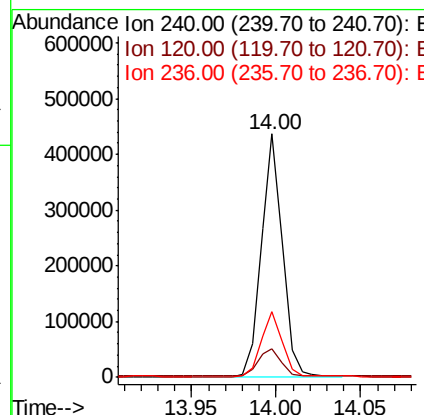
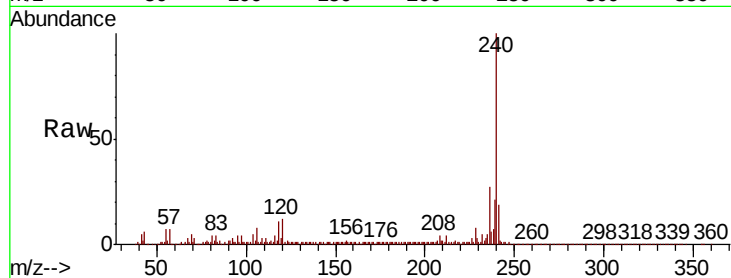
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	8.3	12.5
236	26.8	20.8	31.2

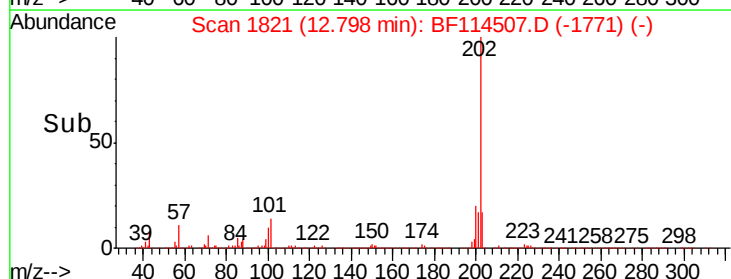
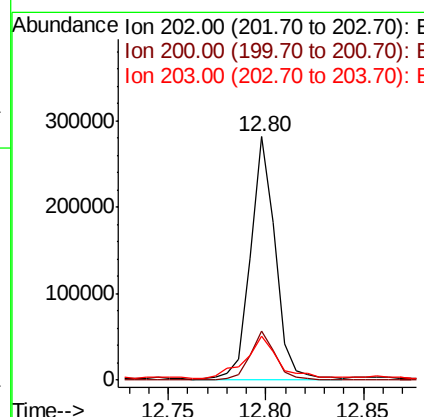
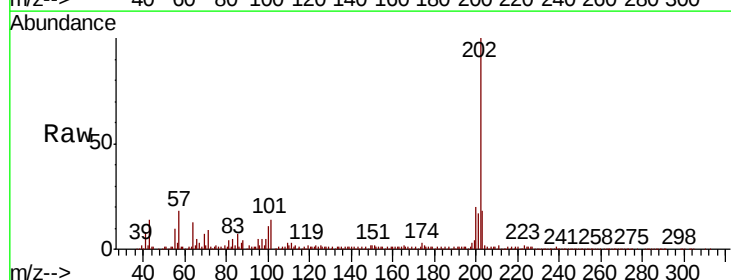
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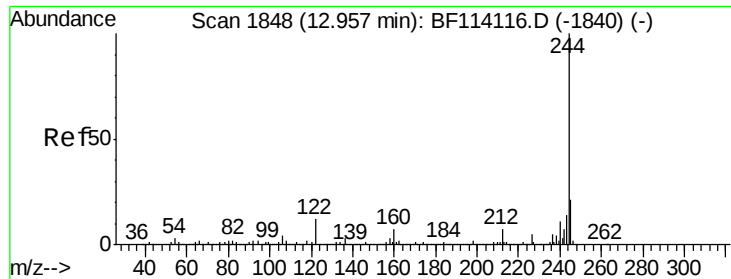
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#78
Pyrene
Concen: 8.013 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	16.9	25.3
203	18.1	14.5	21.7





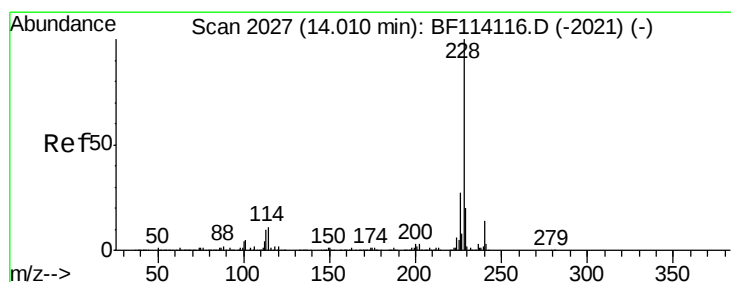
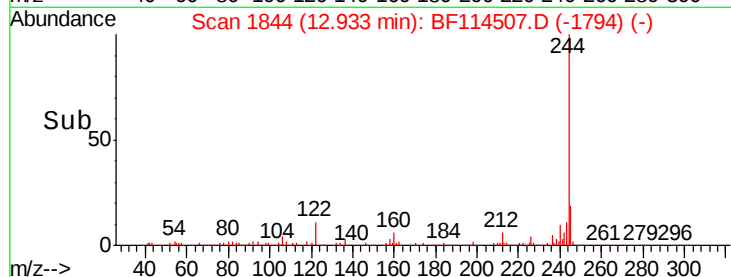
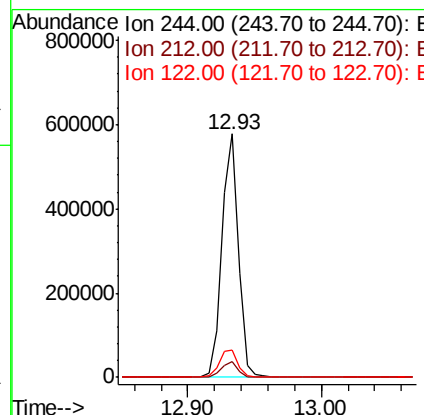
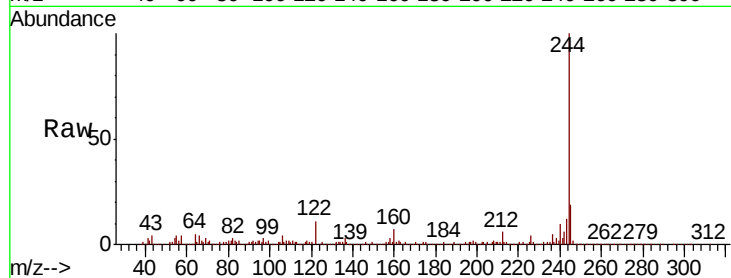
#79
 Terphenyl-d14
 Concen: 27.297 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF114507.D
 Acq: 23 May 2019 2:06

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tot Ion	Ratio	Resp	Lower	Upper
244	100	504916		
212	6.5		5.8	8.6
122	11.2		9.4	14.2

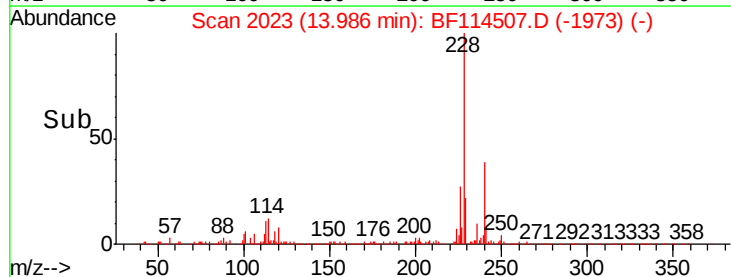
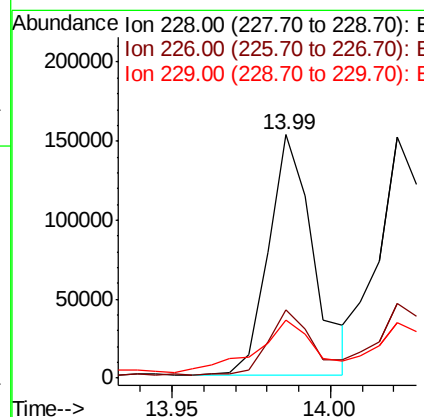
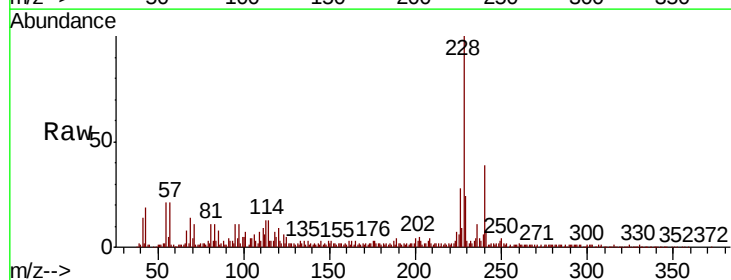
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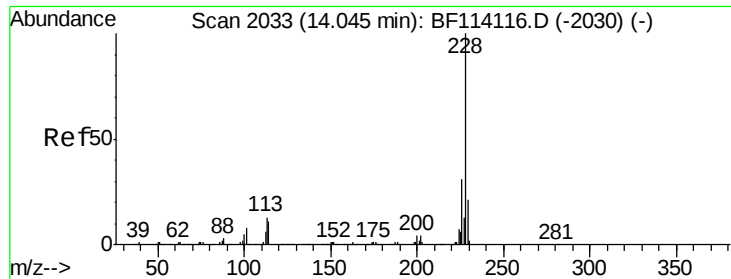
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#81
 Benzo(a)anthracene
 Concen: 6.050 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF114507.D
 Acq: 23 May 2019 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	149209		
226	27.9		22.2	33.2
229	23.9		16.4	24.6





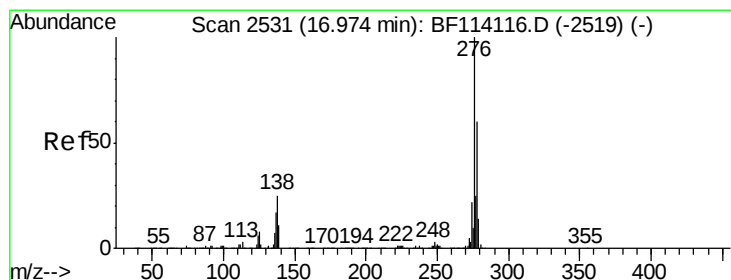
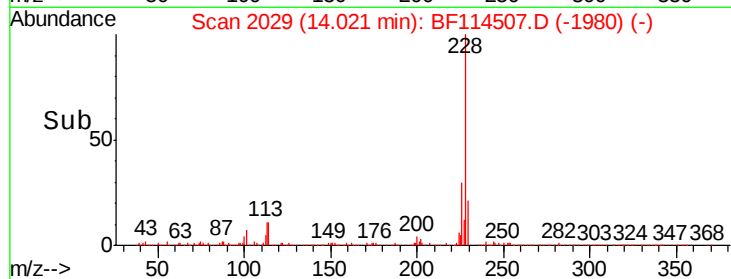
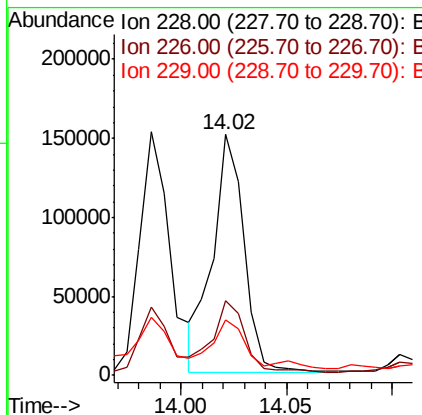
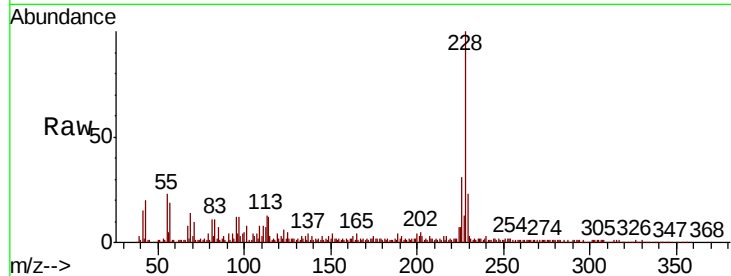
#83
Chrysene
Concen: 6.474 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion:	228	Resp:	156521
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	23.1	17.0	25.6

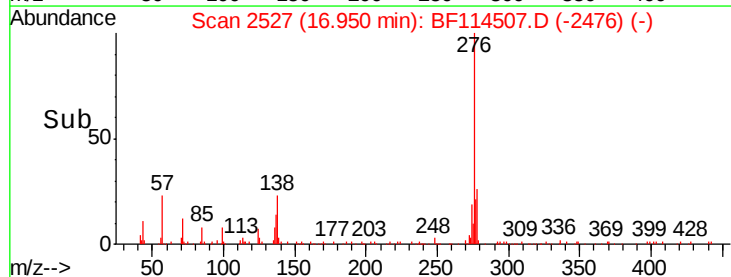
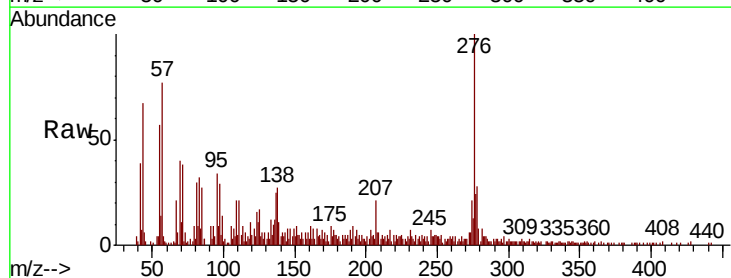
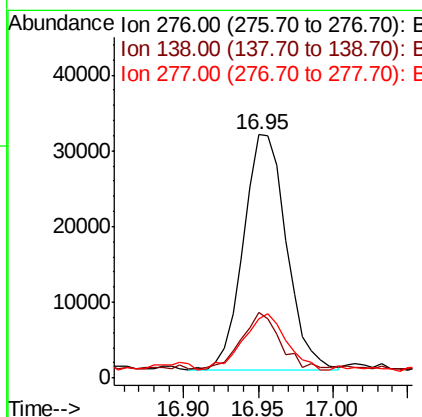
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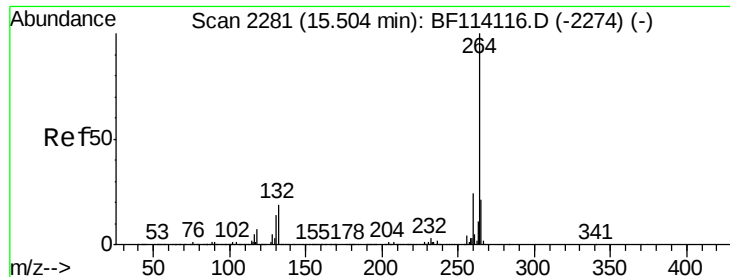
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.894 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Tgt Ion:	276	Resp:	61824
Ion Ratio	Lower	Upper	
276	100		
138	21.3	20.2	30.2
277	23.9	20.0	30.0





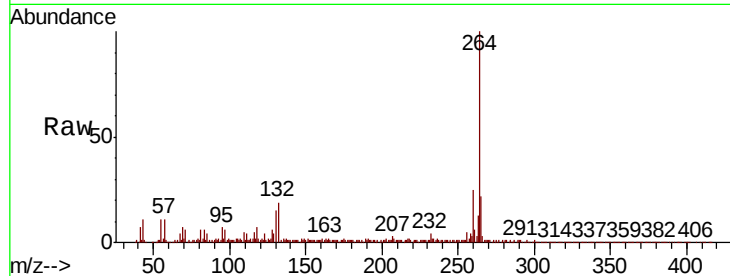
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	21.9	16.9	25.3

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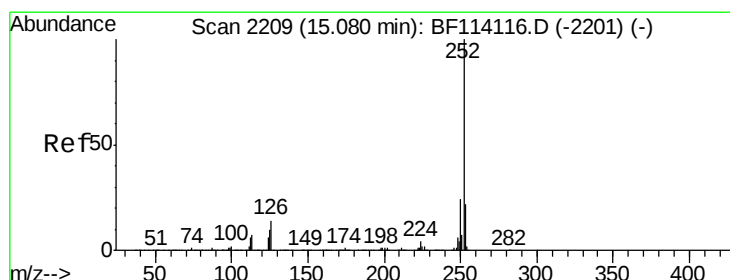
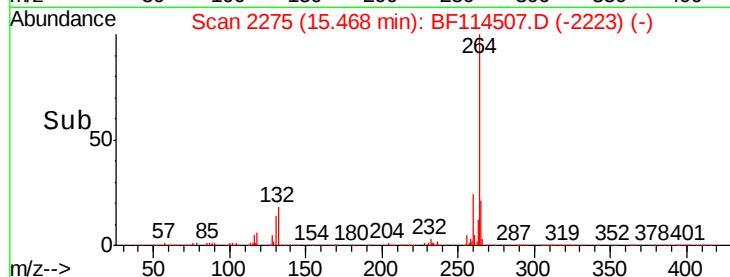
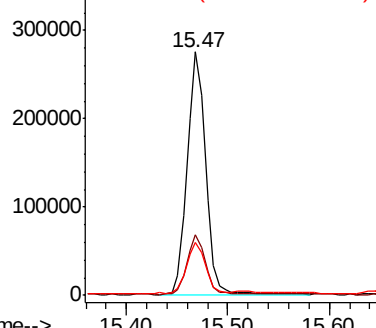


Abundance

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: 10.087 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF114507.D
Acq: 23 May 2019 2:06

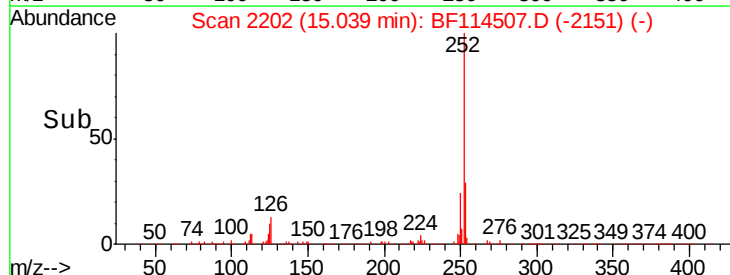
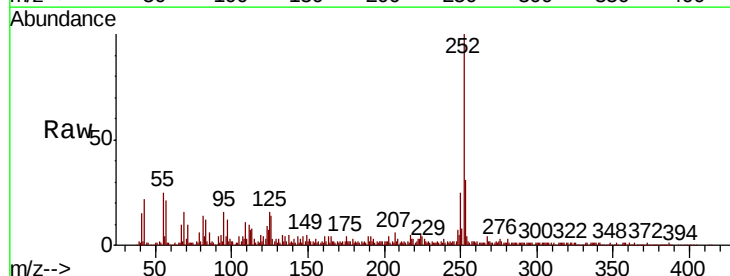
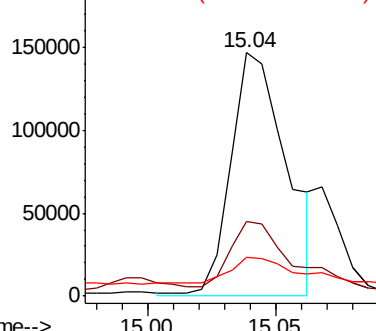
Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.8	26.8#
125	15.8	8.3	12.5#

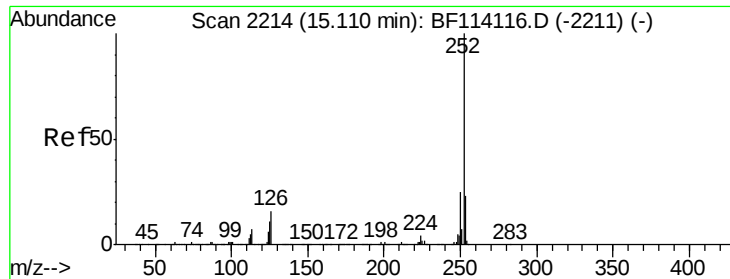
Abundance

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: 2.444 ng m

RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF114507.D

Acq: 23 May 2019 2:06

Instrument :

BNA_F

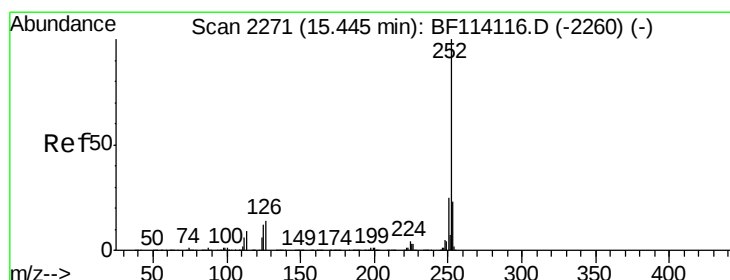
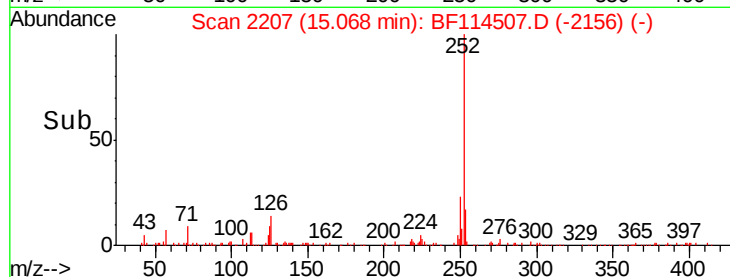
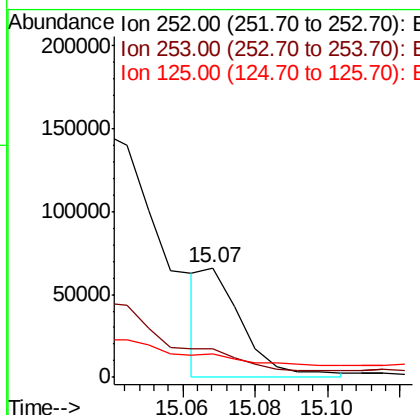
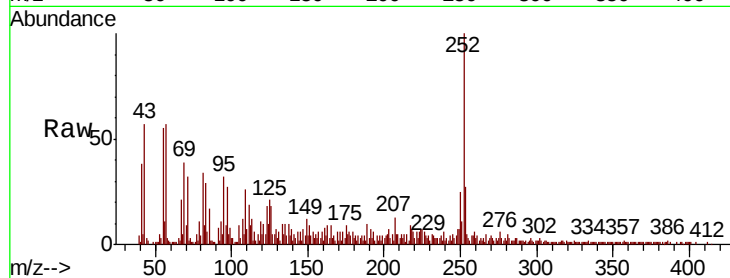
ClientSampled :

TP-9-S

Tot Ion:	252	Resp:	49936
Ion Ratio	Lower	Upper	
252	100		
253	26.5	18.2	27.2
125	20.9	8.6	13.0#

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#90

Benzo(a)pyrene

Concen: 5.882 ng

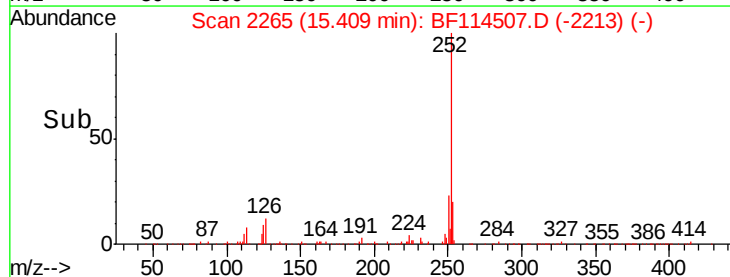
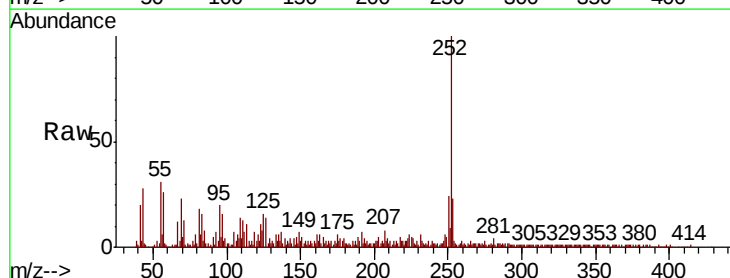
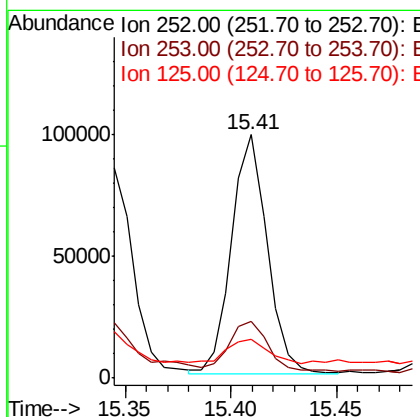
RT: 15.41 min Scan# 2265

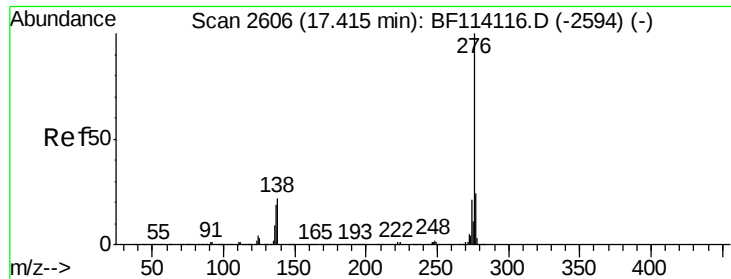
Delta R.T. 0.01 min

Lab File: BF114507.D

Acq: 23 May 2019 2:06

Tgt Ion:	252	Resp:	115164
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	15.7	9.5	14.3#





#92
 Benzo(a,h,i)perylene
 Concen: 3.779 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.02 min
 Lab File: BF114507.D
 Acq: 23 May 2019 2:06

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.0	28.4
138	21.6	17.8	26.6

Manual Integrations
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