

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114830.D
 Acq On : 5 Jun 2019 20:47
 Operator : HP/JU
 Sample : K3183-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad
 6/6/2019 4:50:15 PM

Quant Time: Jun 06 12:14:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	356771	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1403641	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	733037	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1410797	20.00	ng	0.00
76) Chrysene-d12	13.79	240	926354	20.00	ng	0.00
87) Perylene-d12	15.19	264	1041971	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1650226	80.82	ng	0.00
7) Phenol-d6	6.30	99	2041431	82.17	ng	0.00
23) Nitrobenzene-d5	7.23	82	1242967	54.51	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	624446	79.05	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2270436	58.02	ng	0.00
79) Terphenyl-d14	12.76	244	2364435	49.64	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.42	163	553883	10.346	ng	98
71) Phenanthrene	11.19	178	388098	5.762	ng	95
75) Fluoranthene	12.37	202	603031	8.603	ng	96
78) Pyrene	12.60	202	644221	8.016	ng	95
81) Benzo(a)anthracene	13.78	228	280903	3.935	ng	95
83) Chrysene	13.82	228	295500	4.255	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	160495	2.026	ng	98
88) Benzo(b)fluoranthene	14.80	252	362058m	5.458	ng	
89) Benzo(k)fluoranthene	14.82	252	117713m	2.090	ng	
90) Benzo(a)pyrene	15.13	252	283761	4.942	ng	98
92) Benzo(g,h,i)perylene	16.88	276	150670	2.756	ng	95

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

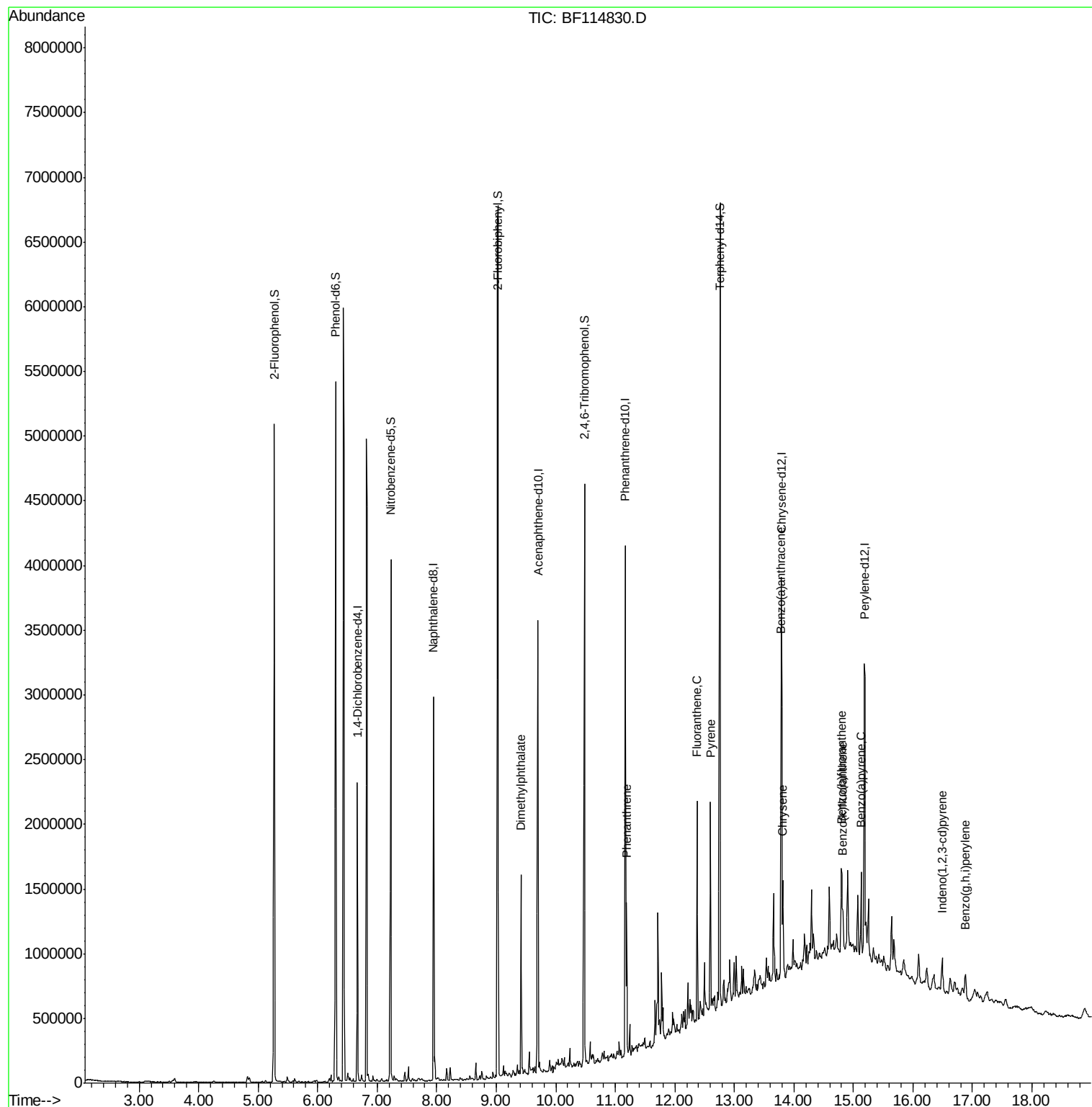
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114830.D
Acq On : 5 Jun 2019 20:47
Operator : HP/JU
Sample : K3183-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

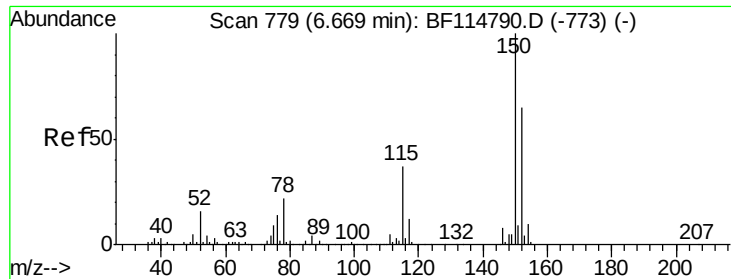
Instrument :
BNA_F
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TP-2

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#1

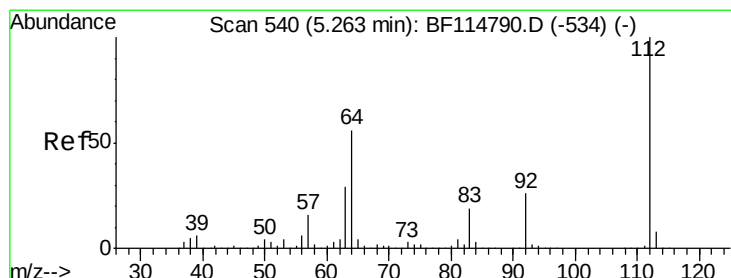
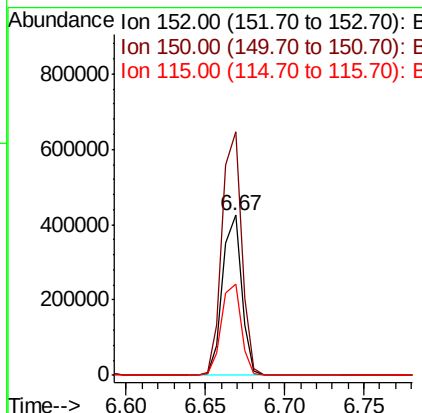
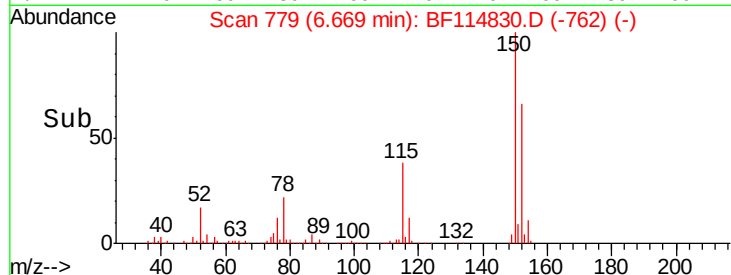
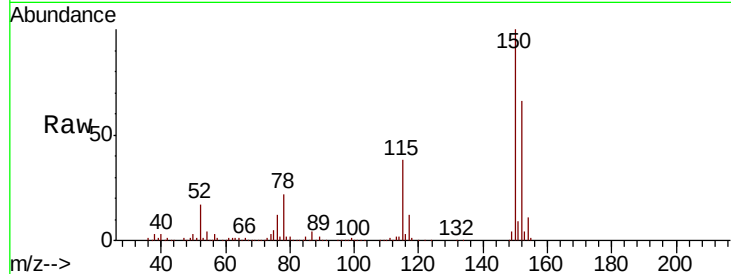
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.0	186.0
115	57.2	46.3	69.5

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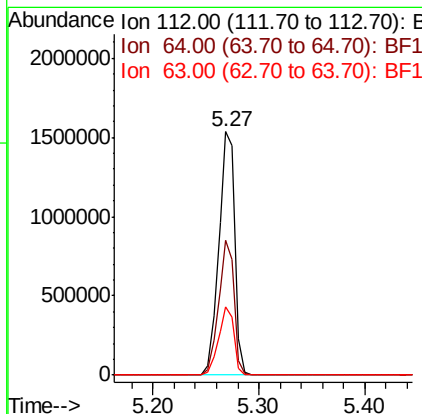
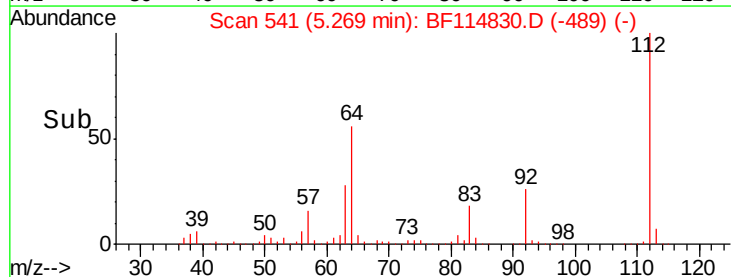
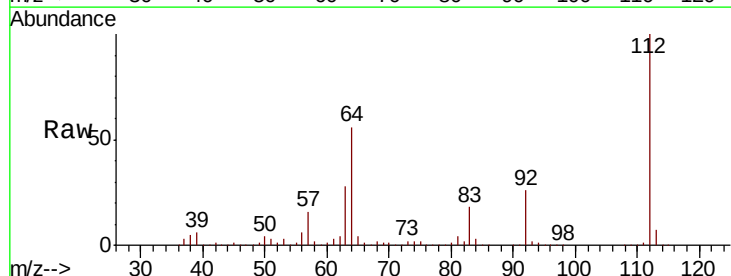
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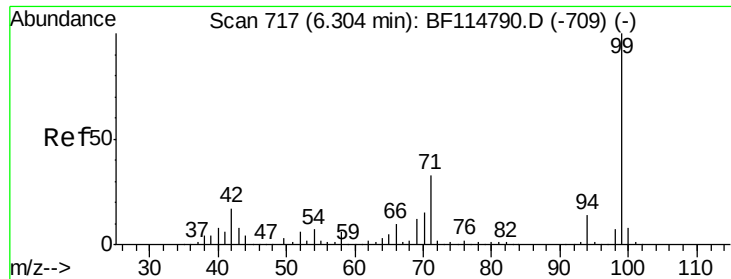


#5

2-Fluorophenol
Concen: 80.823 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	66.8
63	28.0	23.0	34.4





#7

Phenol-d6

Concen: 82.169 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampled :

TP-2

Tot Ion: 99 Resp: 2041431

Ion Ratio Lower Upper

99 100

42 16.9 13.3 19.9

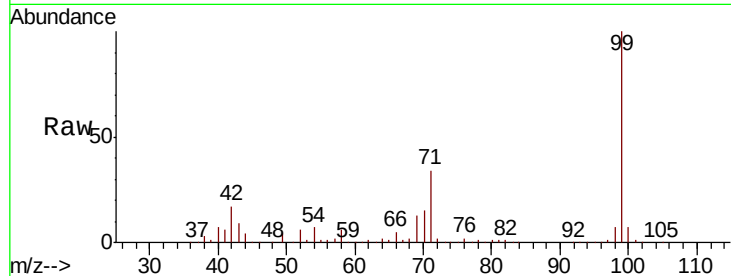
71 33.6 26.3 39.5

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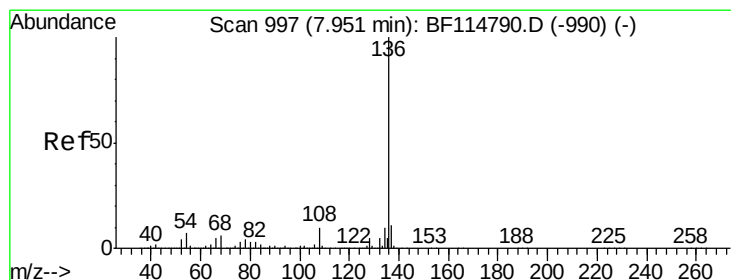
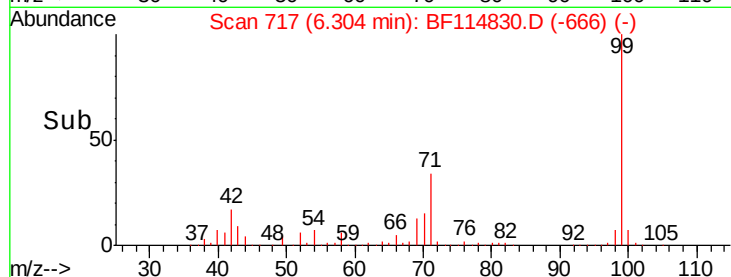
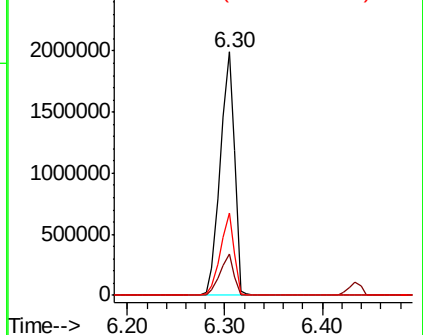
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Tgt Ion: 136 Resp: 1403641

Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.3 5.4 8.0

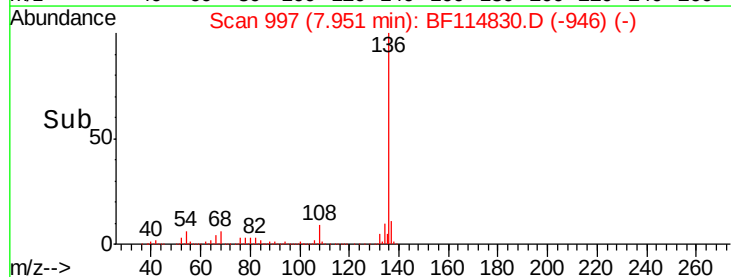
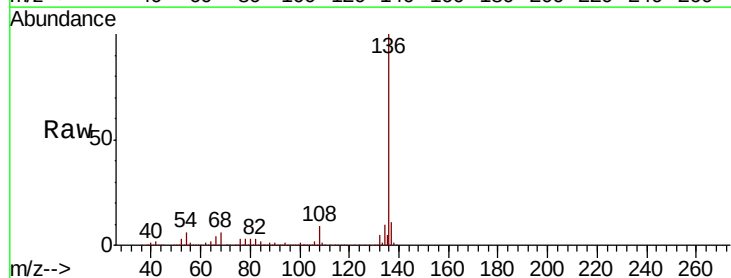
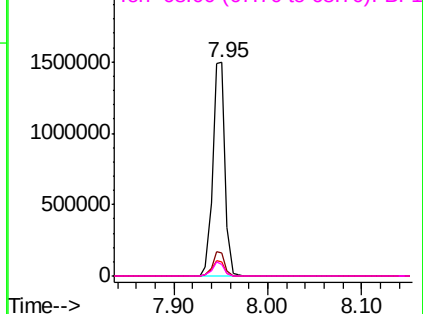
68 5.7 4.6 6.8

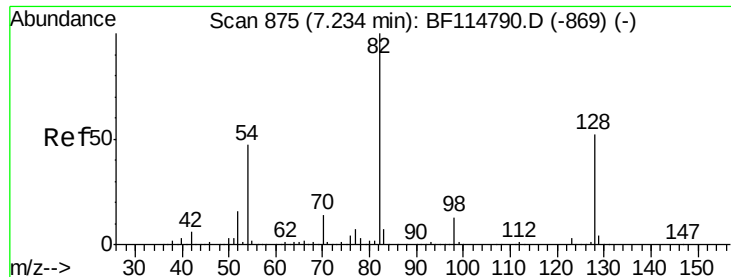
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





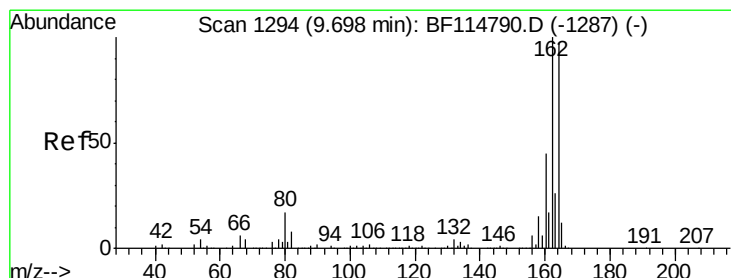
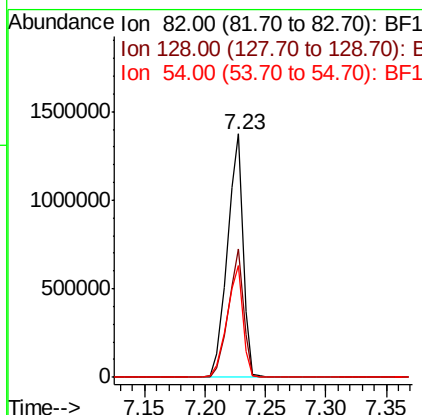
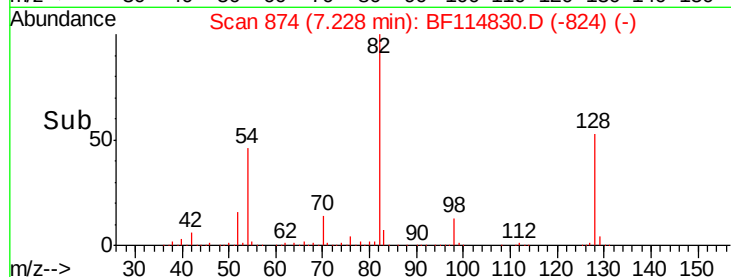
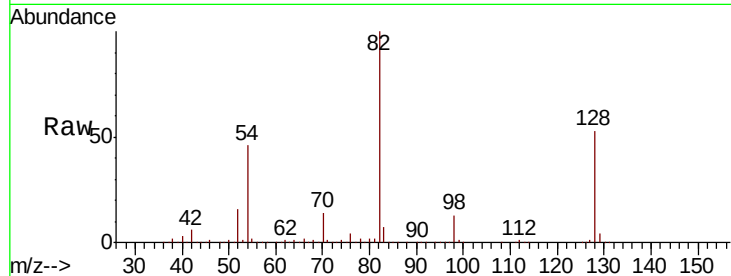
#23
Nitrobenzene-d5
Concen: 54.512 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.7	41.8	62.6
54	45.9	37.9	56.9

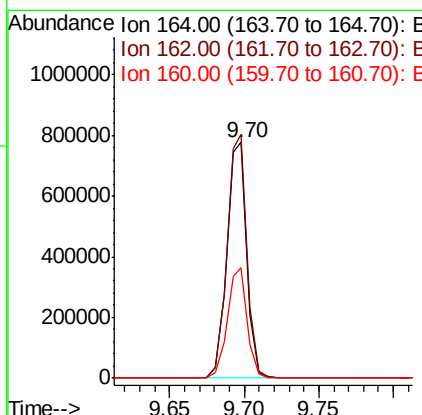
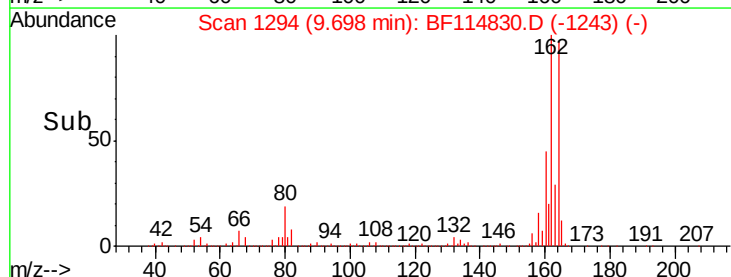
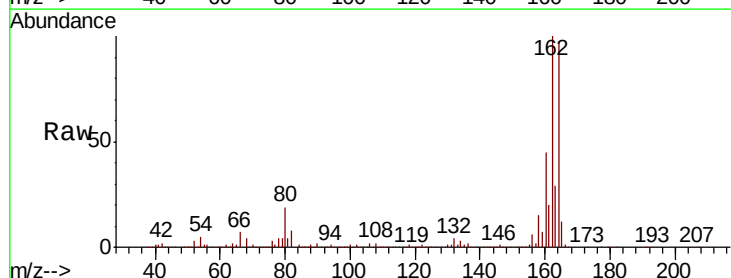
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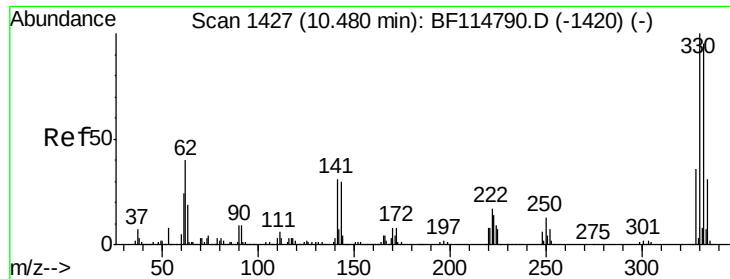
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.3	123.5
160	46.8	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 79.047 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

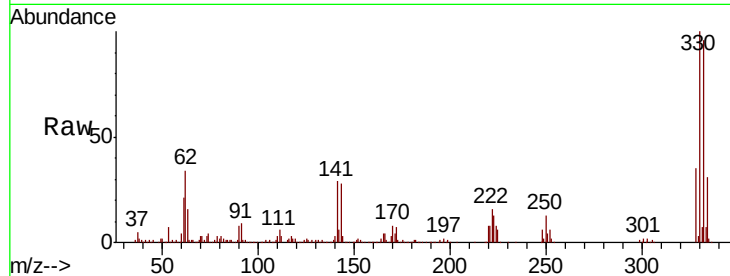
ClientSampled :

TP-2

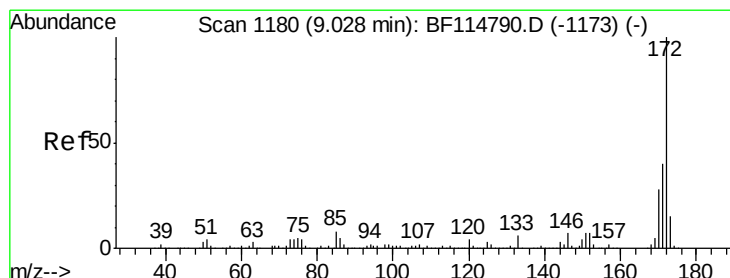
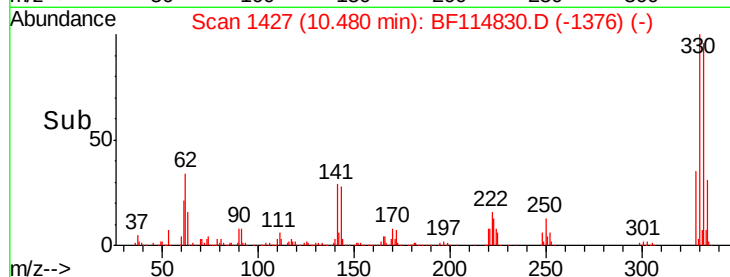
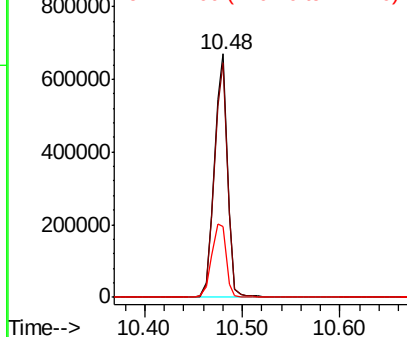
Tot Ion:	330	Resp:	624446
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.3	115.9
141	33.4	26.2	39.4

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



#45

2-Fluorobiphenyl

Concen: 58.021 ng

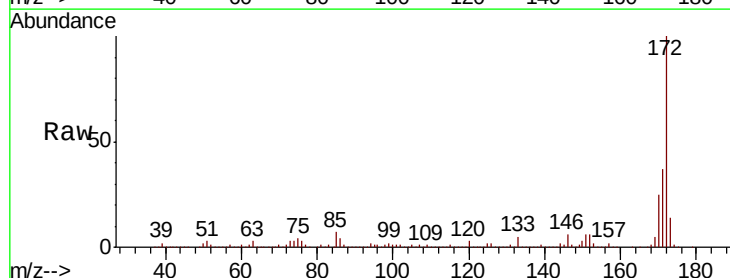
RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

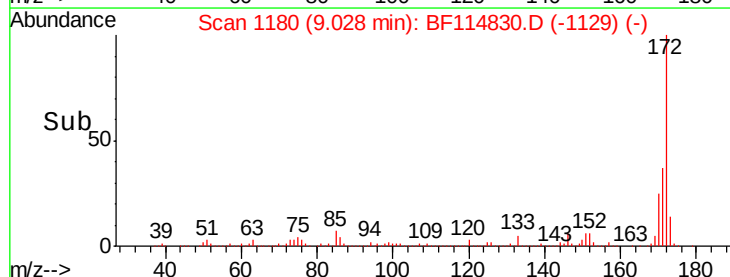
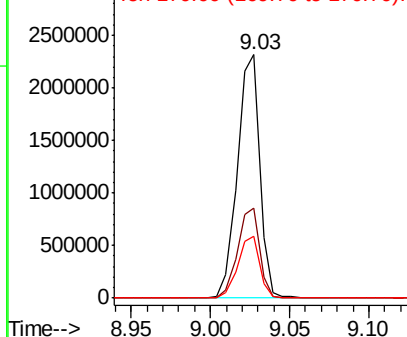
Lab File: BF114830.D

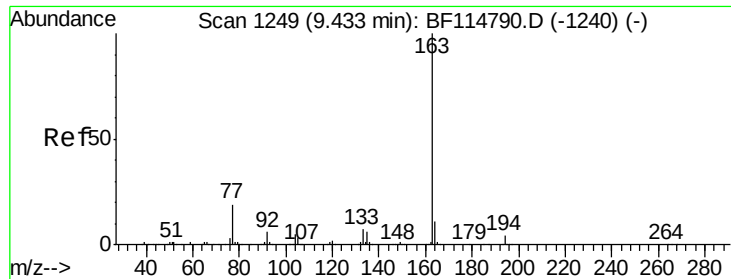
Acq: 5 Jun 2019 20:47

Tgt Ion:	172	Resp:	2270436
Ion Ratio	Lower	Upper	
172	100		
171	37.2	32.3	48.5
170	25.3	22.4	33.6



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





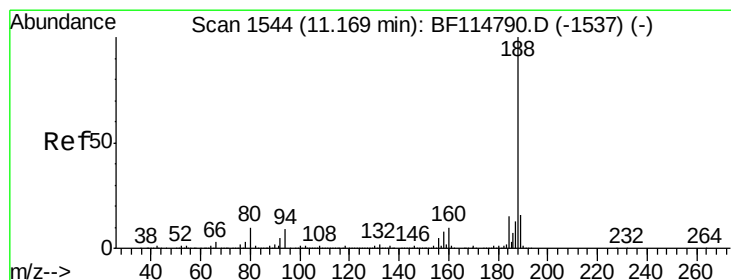
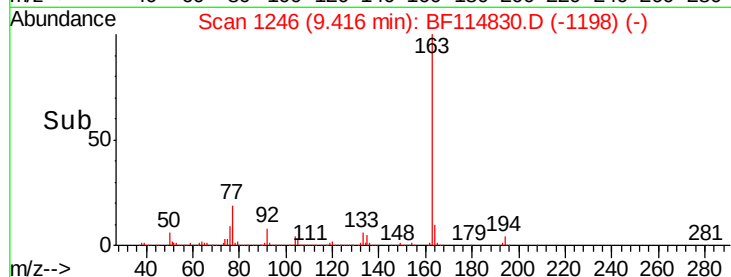
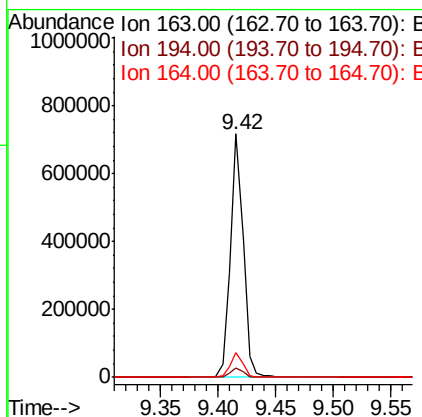
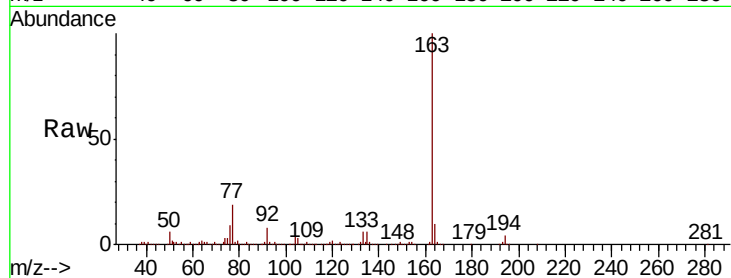
#50
Dimethylphthalate
Concen: 10.346 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	553883		
194	3.8		3.4	5.2
164	10.1		8.6	13.0

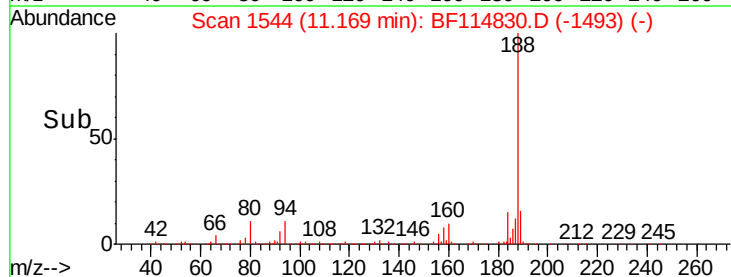
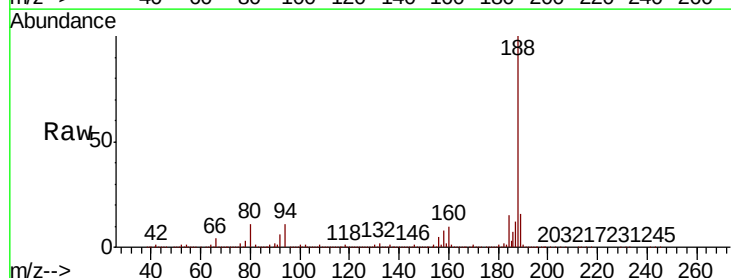
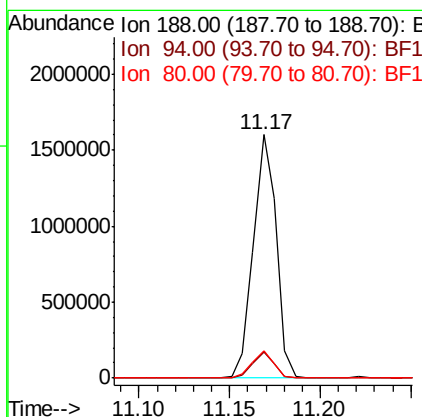
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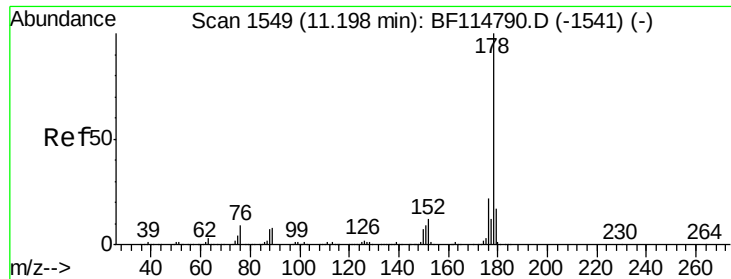
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1410797		
94	10.6		7.6	11.4
80	11.0		8.3	12.5





#71

Phenanthrene

Concen: 5.762 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

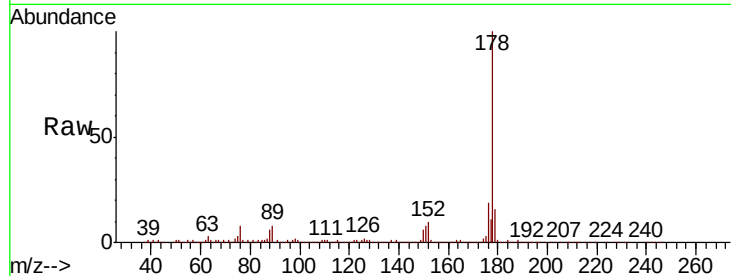
ClientSampleId :

TP-2

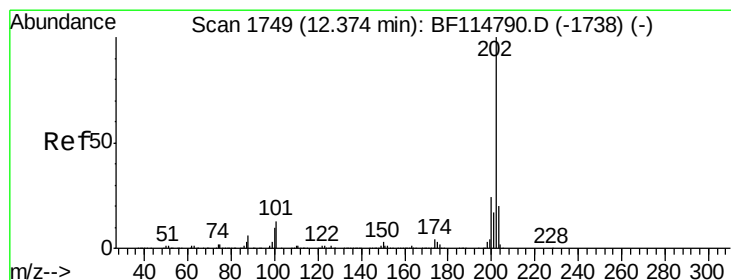
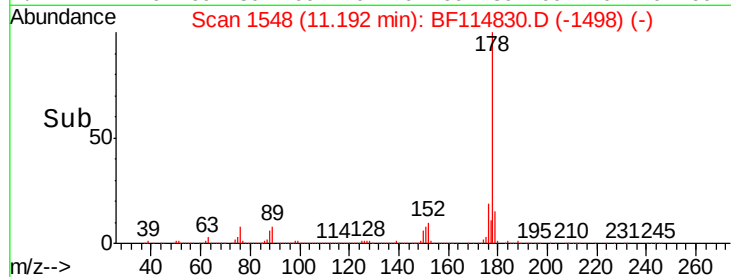
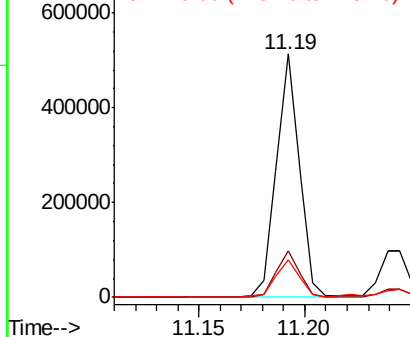
Tot Ion:	178	Resp:	388098
Ion Ratio	Lower	Upper	
178	100		
176	19.2	17.7	26.5
179	15.5	13.7	20.5

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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: 8.603 ng

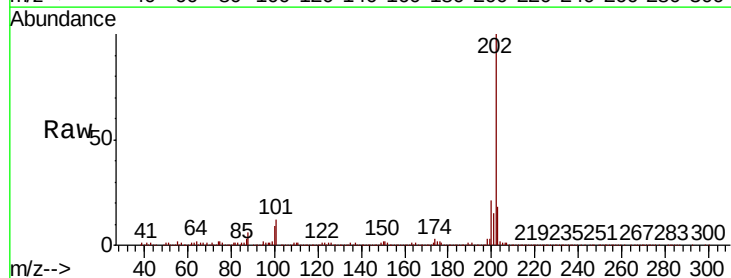
RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

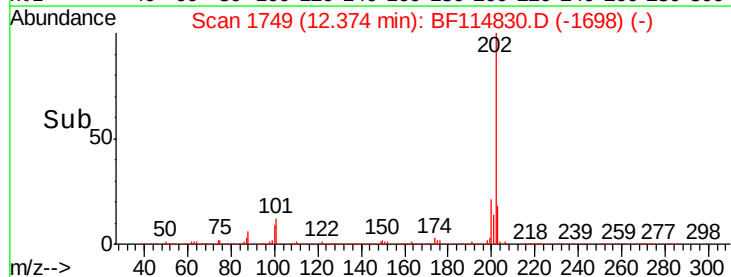
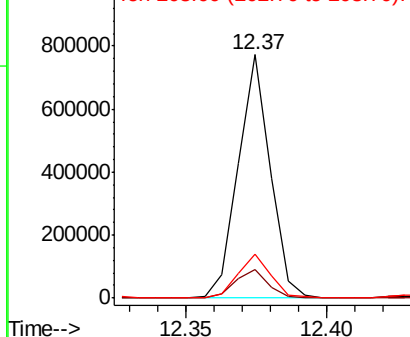
Lab File: BF114830.D

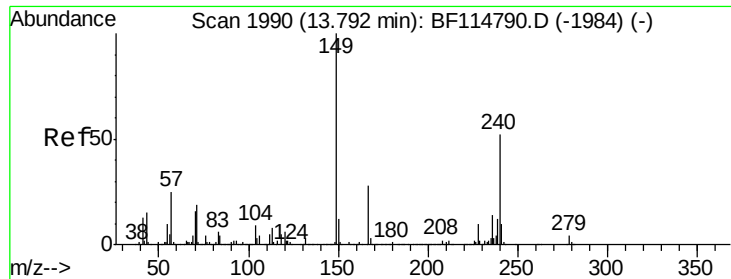
Acq: 5 Jun 2019 20:47

Tgt Ion:	202	Resp:	603031
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	32.8
203	17.9	0.2	40.2



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





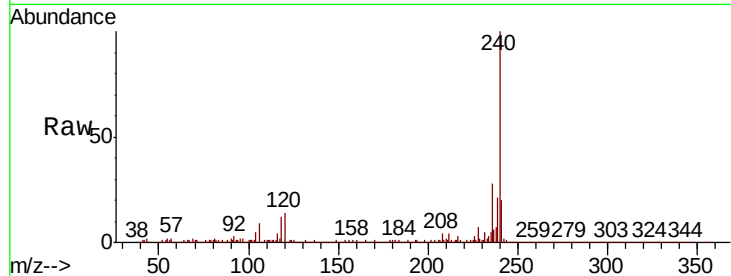
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.0	13.4#
236	27.7	21.4	32.0

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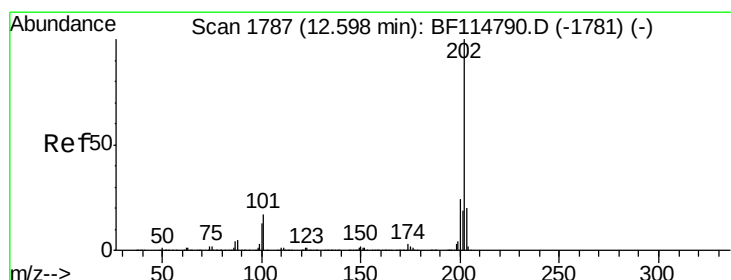
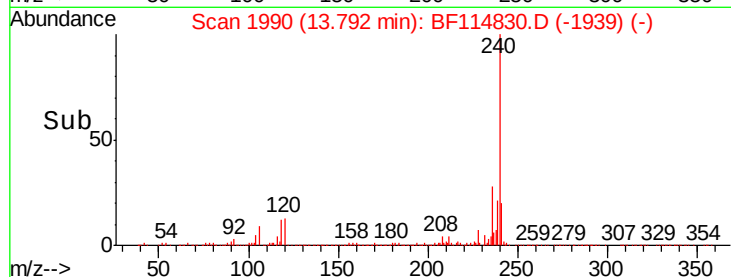
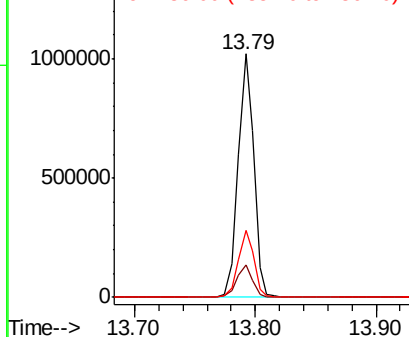


Abundance

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: 8.016 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

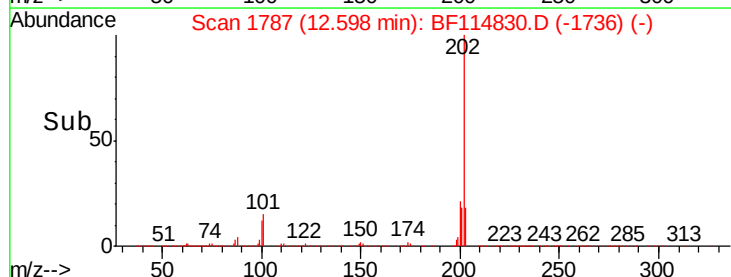
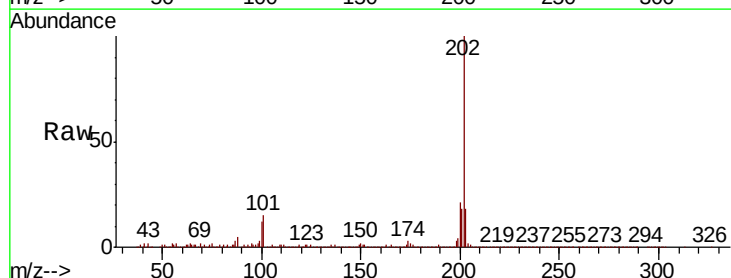
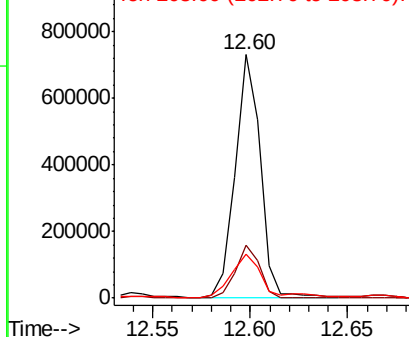
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	19.2	28.8
203	18.1	15.9	23.9

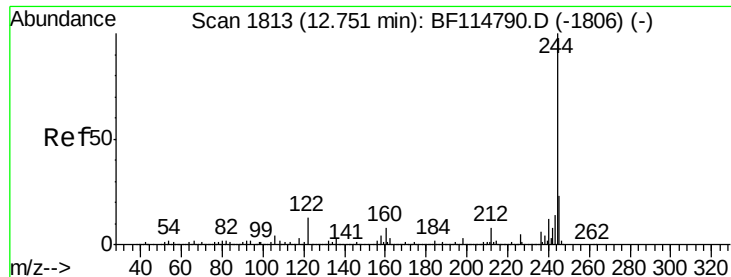
Abundance

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: 49.638 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion:244 Resp: 2364435

Ion Ratio Lower Upper

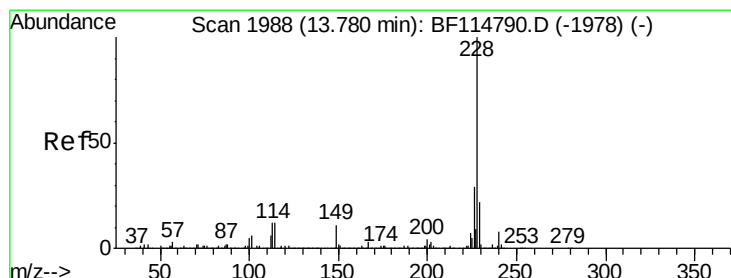
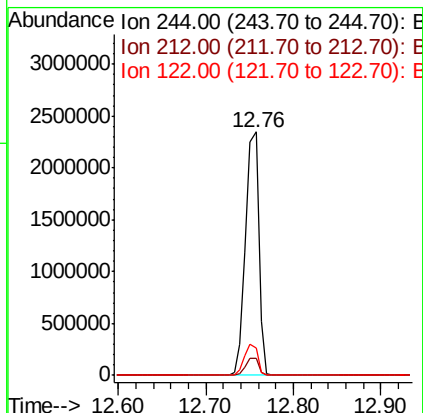
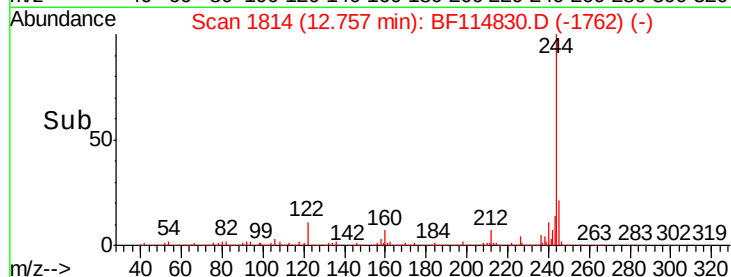
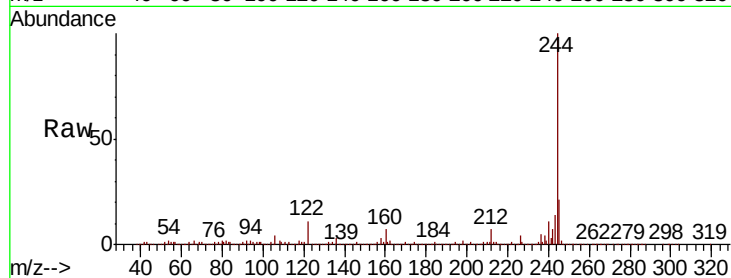
244 100

212 6.9 6.5 9.7

122 11.0 10.5 15.7

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#81

Benzo(a)anthracene

Concen: 3.935 ng

RT: 13.78 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

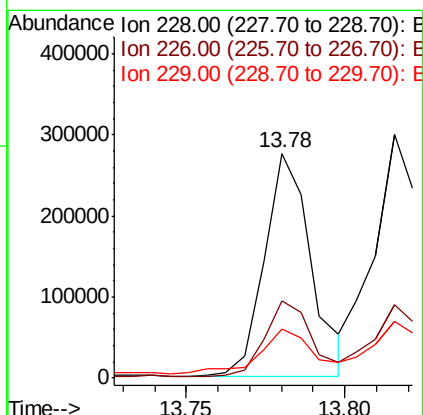
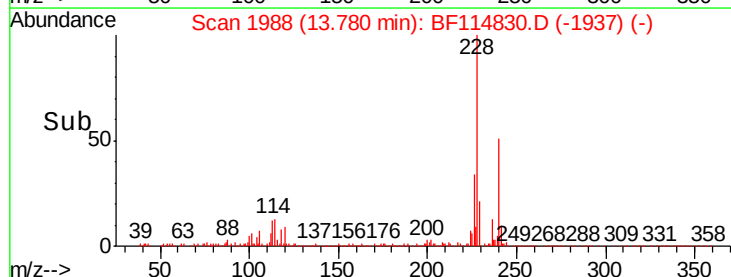
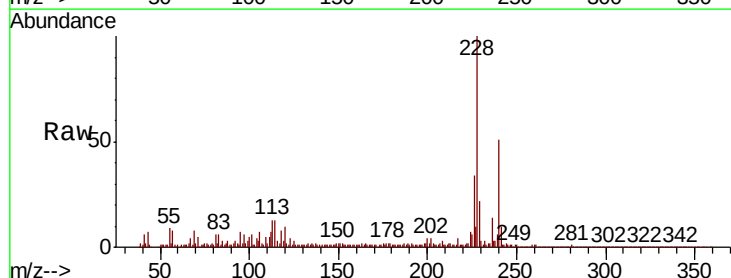
Tgt Ion:228 Resp: 280903

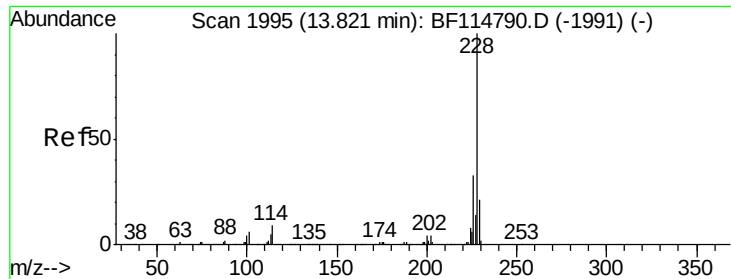
Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.2

229 21.9 17.4 26.0





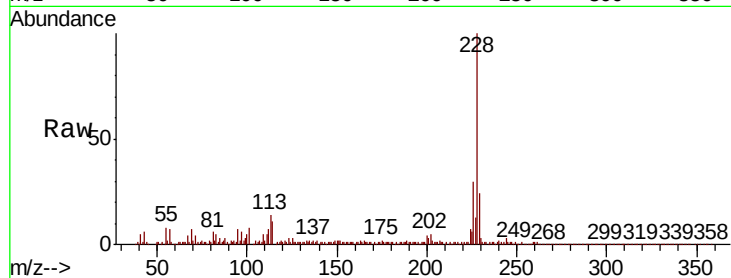
#83
Chrysene
Concen: 4.255 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :
TP-2

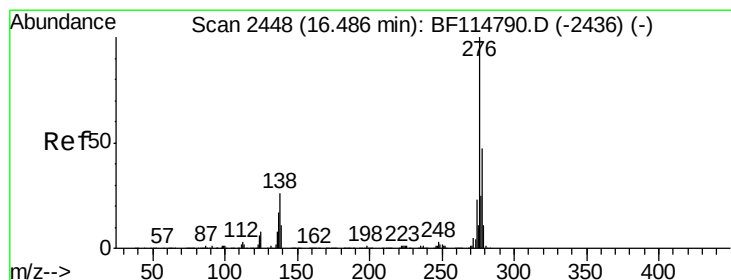
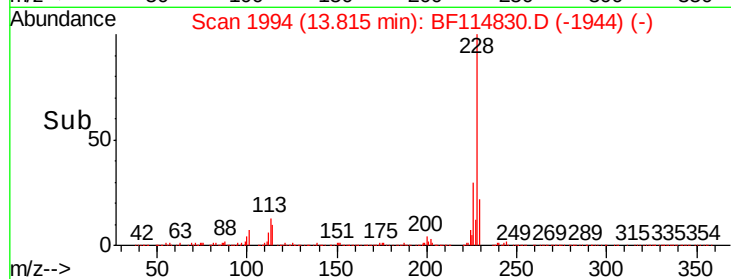
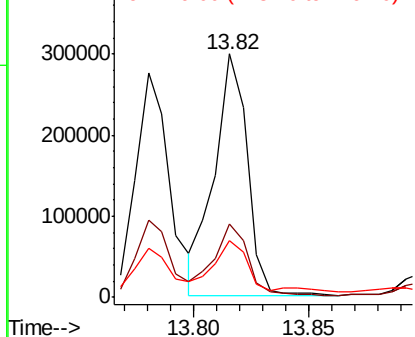
Tot Ion:228	Resp:	295500
Ion Ratio	Lower	Upper
228 100		
226 30.3	26.0	39.0
229 23.5	17.1	25.7

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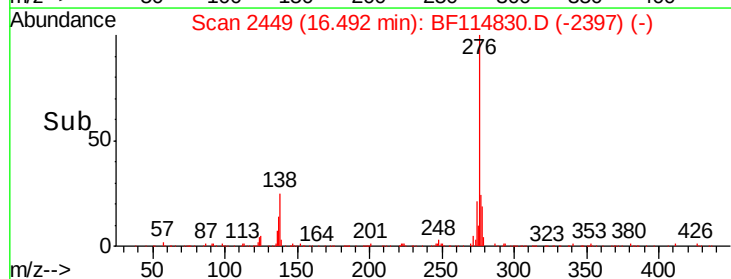
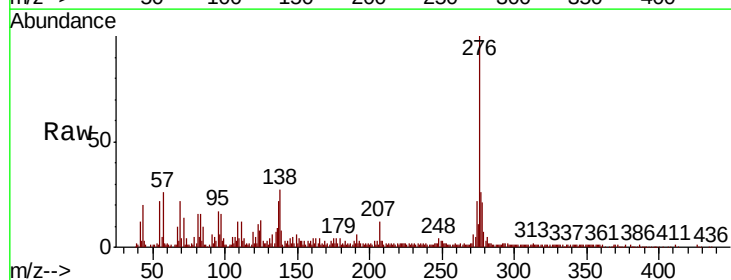
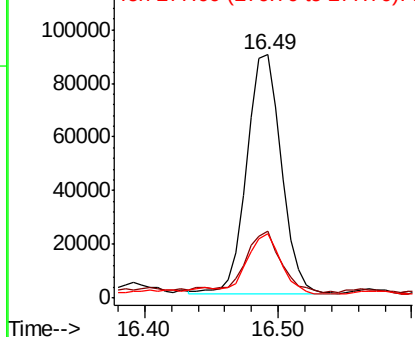
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

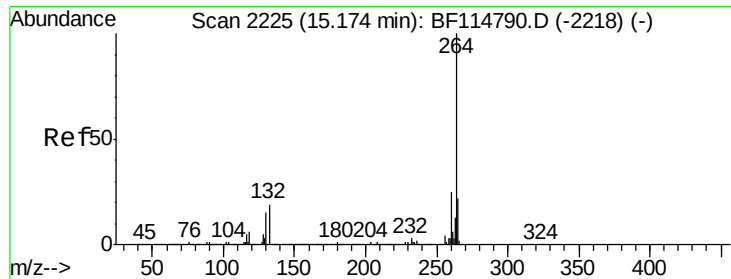


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.026 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion:276	Resp:	160495
Ion Ratio	Lower	Upper
276 100		
138 27.1	22.2	33.4
277 24.6	20.6	30.8

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





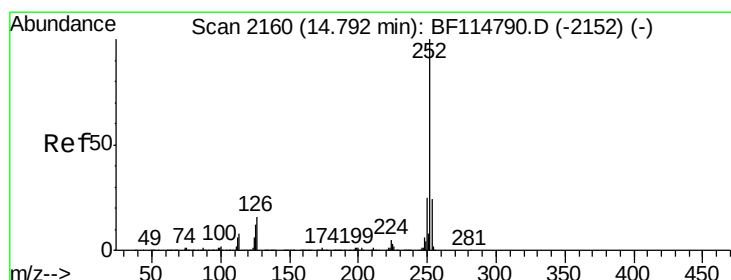
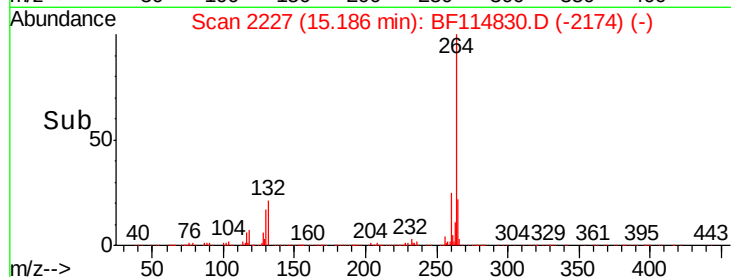
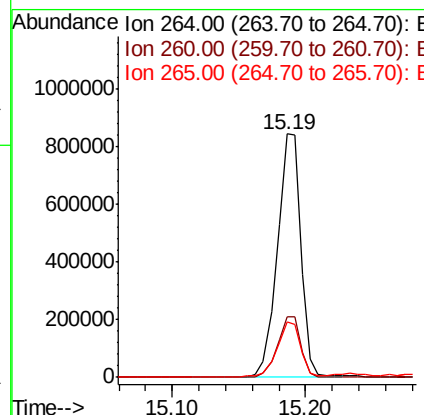
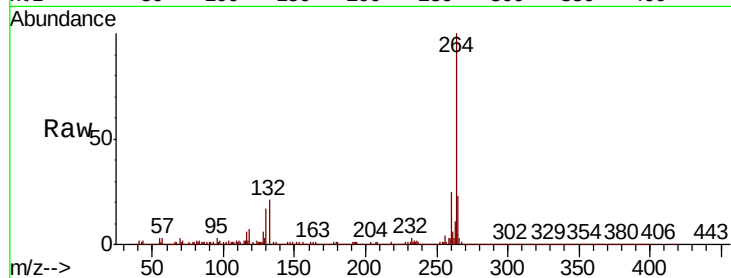
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	22.6	17.7	26.5

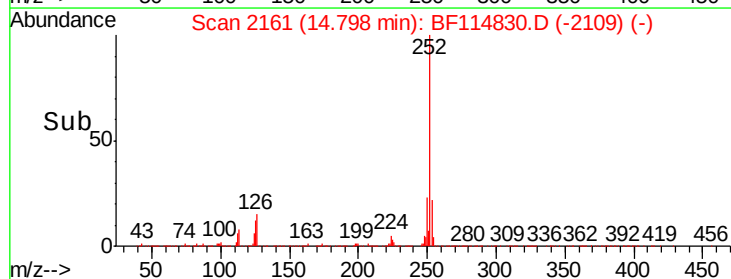
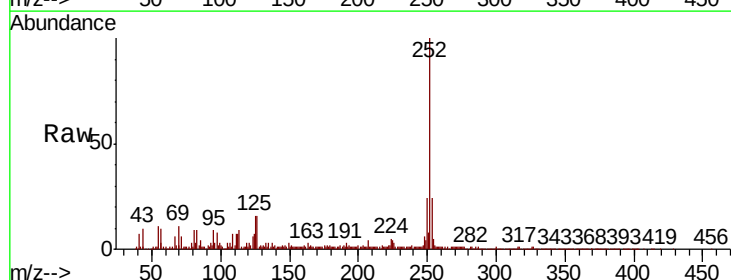
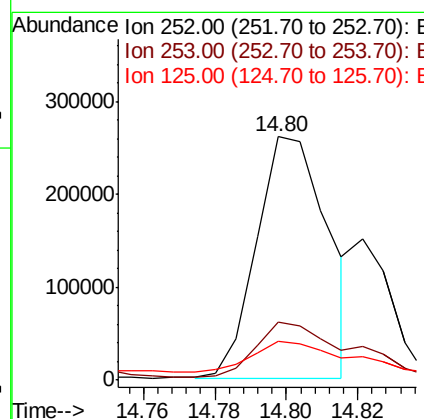
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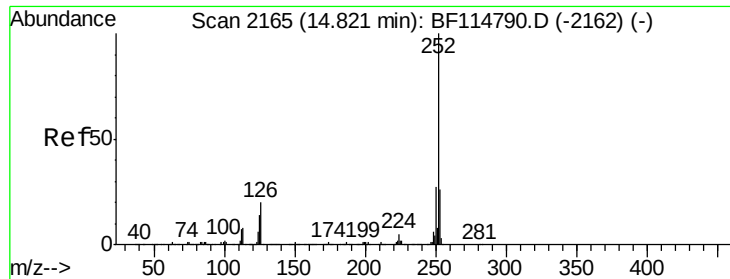
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#88
Benzo(b)fluoranthene
Concen: 5.458 ng m
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	15.7	9.4	14.0





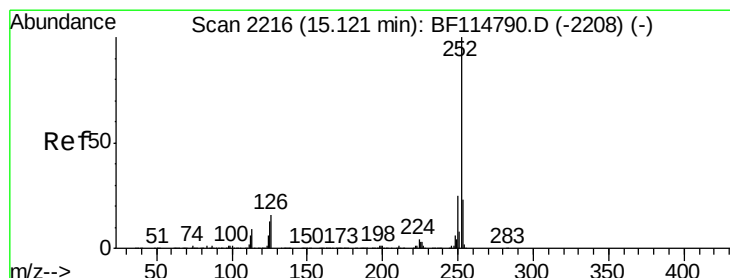
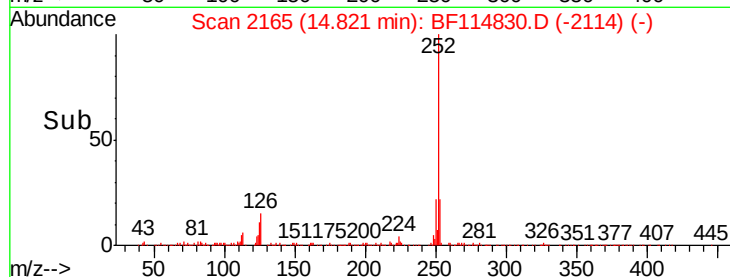
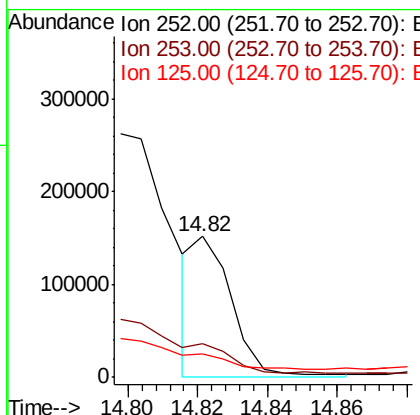
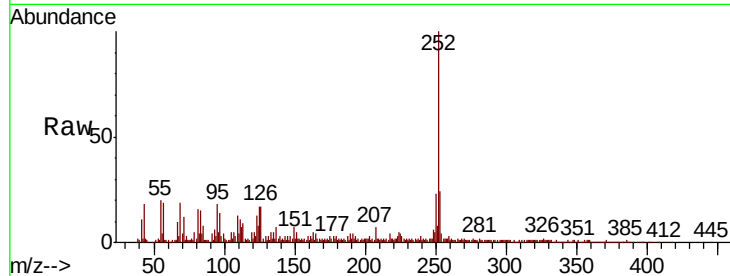
#89
Benzo(k)fluoranthene
Concen: 2.090 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.3	28.9
125	16.7	10.1	15.1

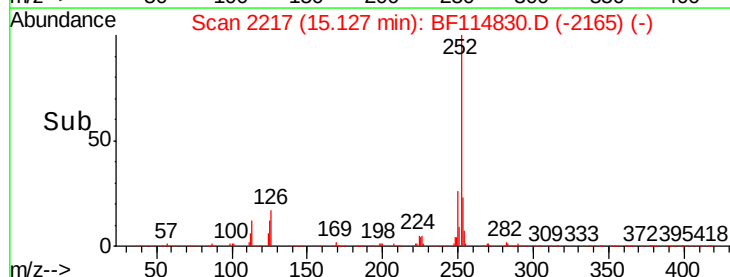
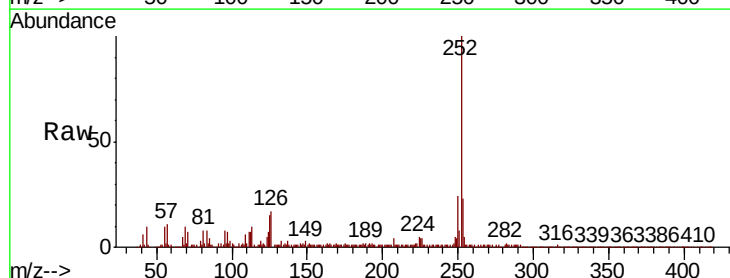
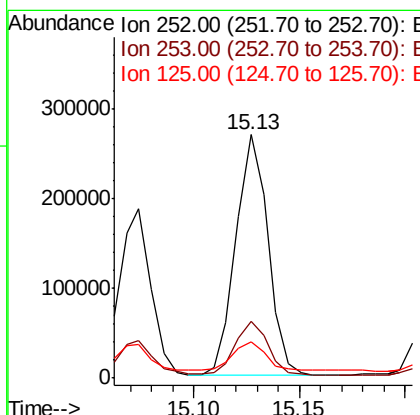
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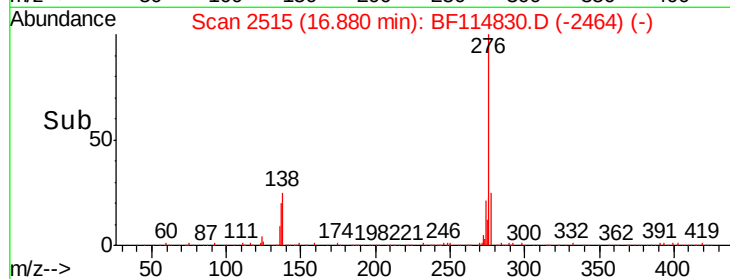
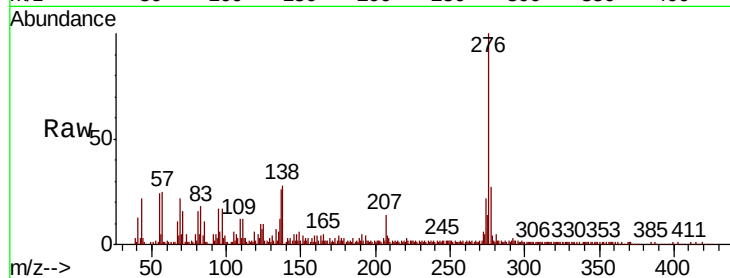
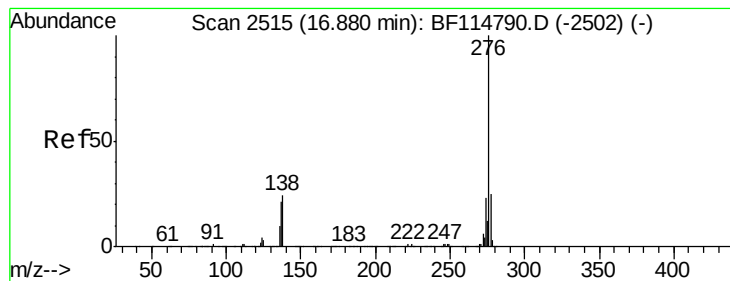
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#90
Benzo(a)pyrene
Concen: 4.942 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	14.8	10.1	15.1





#92

Benzo(a,h,i)perylene

Concen: 2.756 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion:	276	Resp:	150670
Ion Ratio		Lower	Upper
276	100		
277	26.6	19.8	29.6
138	27.6	19.4	29.2

Manual Integrations
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