

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115962.D
 Acq On : 2 Aug 2019 22:17
 Operator : HP/JU
 Sample : K4124-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

Manual Integrations
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 8/8/2019 4:44:52 PM

Quant Time: Aug 03 03:25:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121591	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	475440	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	254756	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	464938	20.00	ng	0.00
76) Chrysene-d12	14.02	240	339112	20.00	ng	0.00
87) Perylene-d12	15.49	264	372321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	754934	103.94	ng	0.00
7) Phenol-d6	6.49	99	1002020	109.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	629456	76.42	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	268423	108.68	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1046514	76.94	ng	0.00
79) Terphenyl-d14	12.96	244	1213061	75.38	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	160922	9.277	ng	99
52) Acenaphthene	9.92	154	44398	3.314	ng	98
55) Dibenzofuran	10.10	168	47055	2.415	ng	98
58) Fluorene	10.44	166	60152	4.013	ng	98
71) Phenanthrene	11.40	178	987497	41.546	ng	100
72) Anthracene	11.46	178	264817	11.009	ng	99
73) Carbazole	11.61	167	101283	4.641	ng	98
75) Fluoranthene	12.60	202	1067378	42.895	ng	100
78) Pyrene	12.83	202	974314	38.115	ng	100
81) Benzo(a)anthracene	14.01	228	364819	16.831	ng	99
83) Chrysene	14.04	228	299068	14.212	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	176710	9.998	ng	97
88) Benzo(b)fluoranthene	15.06	252	342021m	15.887	ng	
89) Benzo(k)fluoranthene	15.09	252	110097m	5.251	ng	
90) Benzo(a)pyrene	15.43	252	272288	14.149	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	40075m	2.406	ng	
92) Benzo(a,h,i)perylene	17.41	276	171290	10.470	ng	99

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

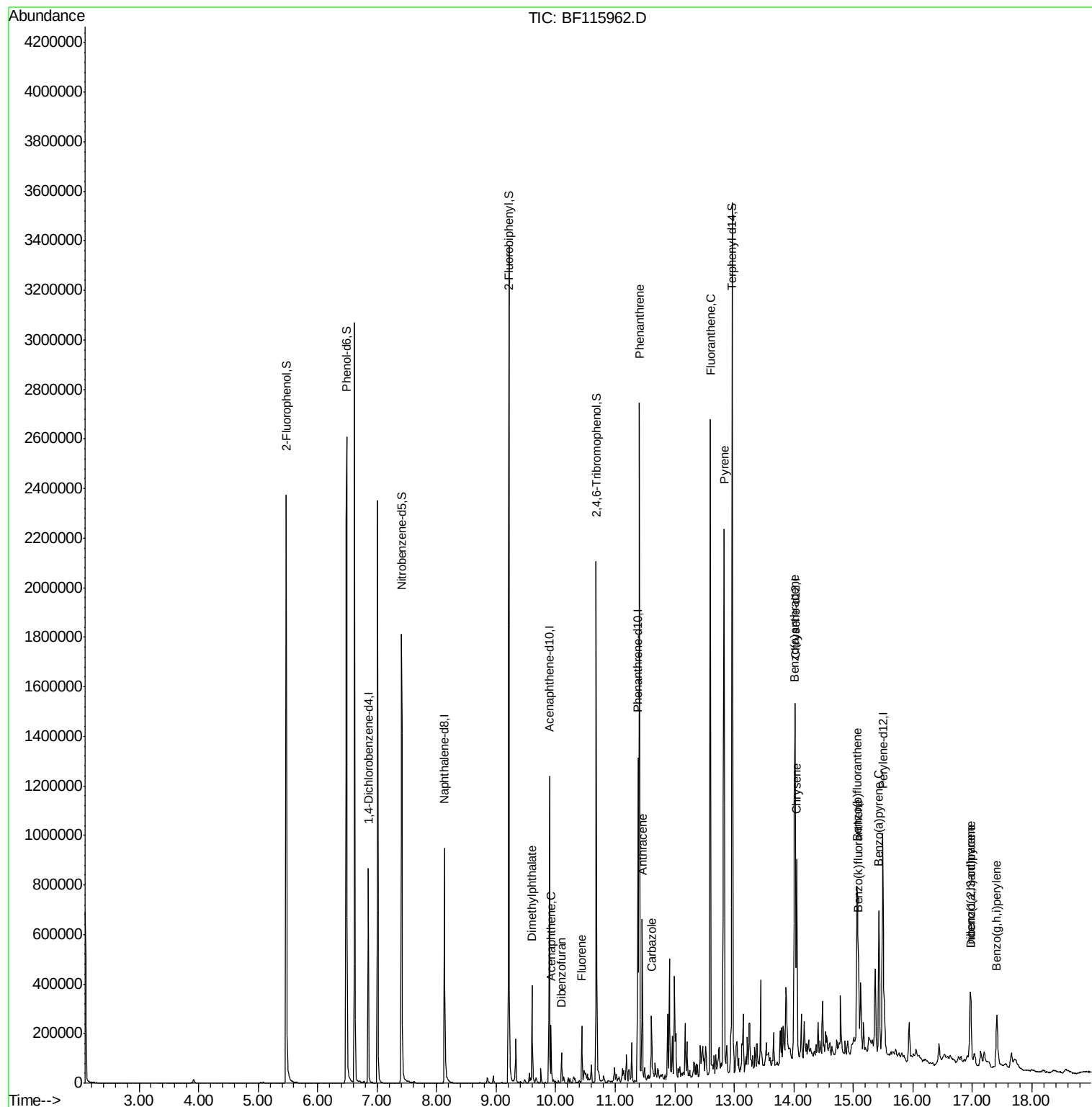
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115962.D
Acq On : 2 Aug 2019 22:17
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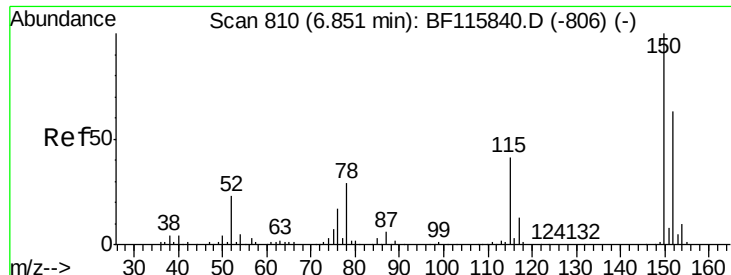
Instrument :
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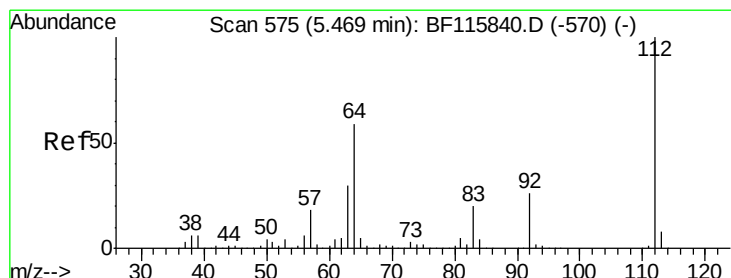
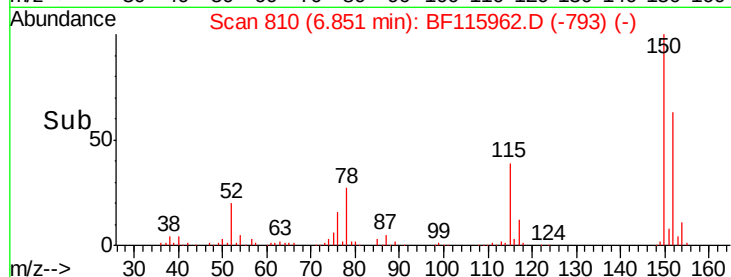
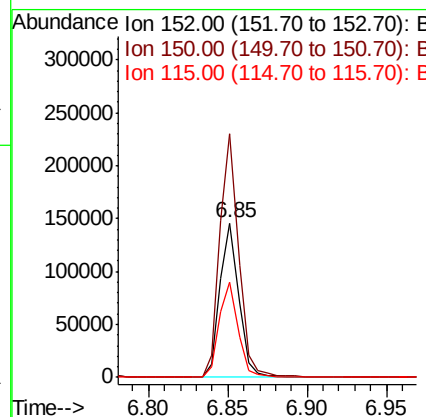
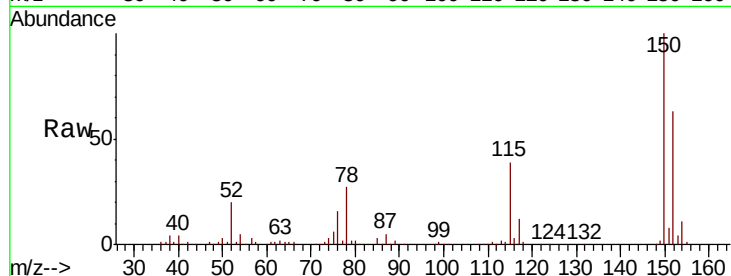
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.0
115	61.5	51.8	77.8

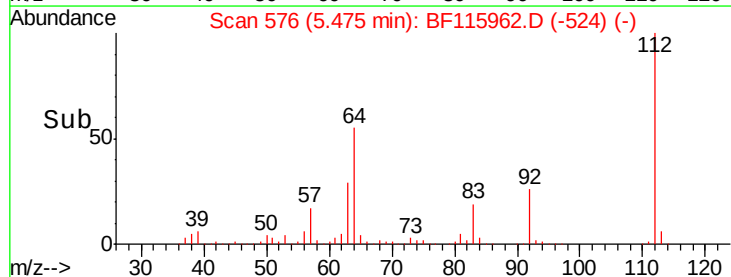
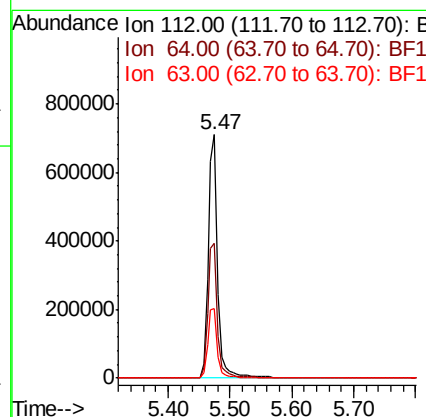
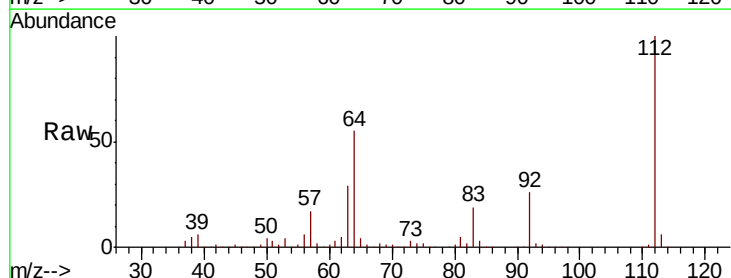
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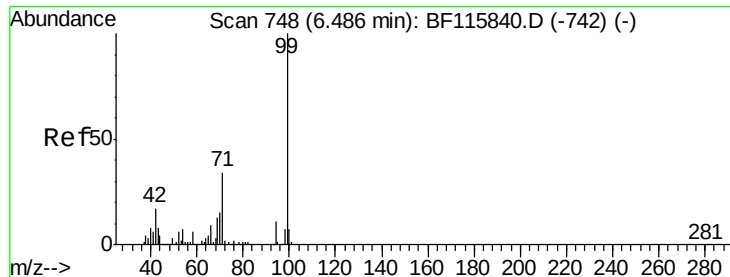
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#5
 2-Fluorophenol
 Concen: 103.939 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.8	70.2
63	28.8	24.2	36.2





#7

Phenol-d6

Concen: 109.345 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Instrument :

BNA_F

ClientSampleId :

TP-15

Tot Ion: 99 Resp: 1002020

Ion Ratio Lower Upper

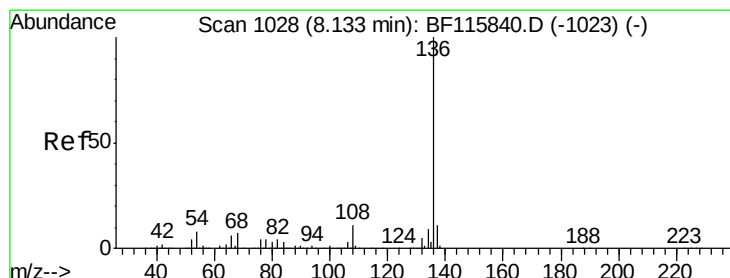
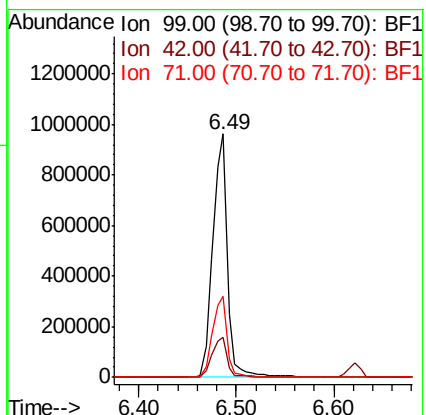
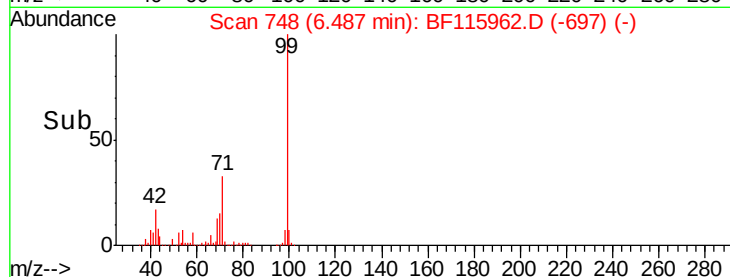
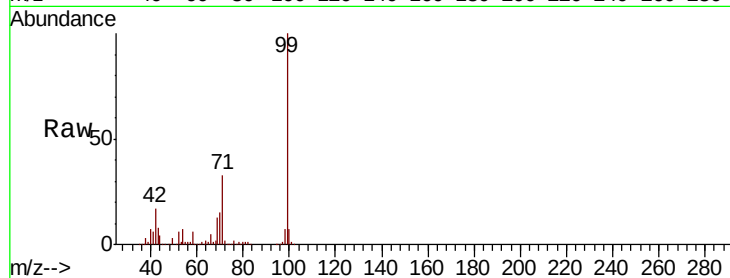
99 100

42 16.6 13.8 20.6

71 33.3 27.1 40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Tgt Ion: 136 Resp: 475440

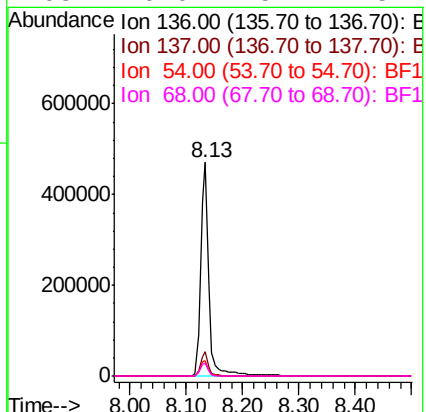
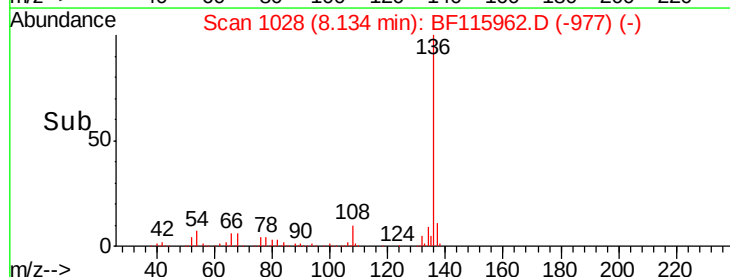
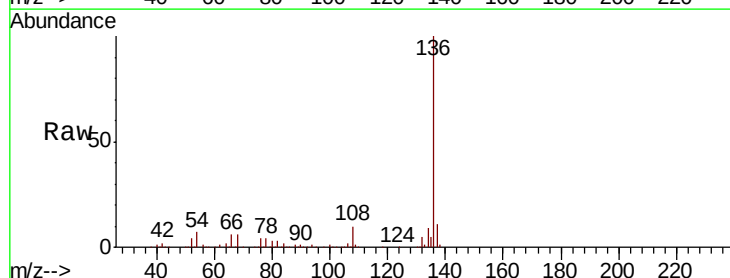
Ion Ratio Lower Upper

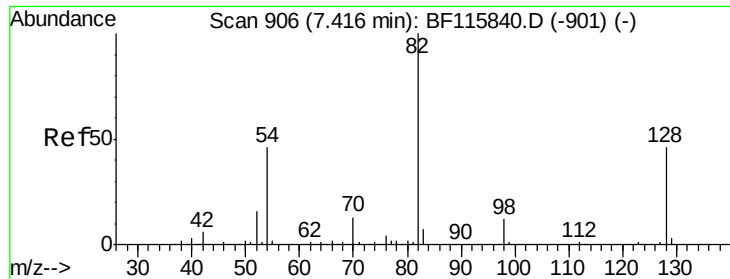
136 100

137 11.2 9.1 13.7

54 7.1 6.1 9.1

68 6.0 5.4 8.2





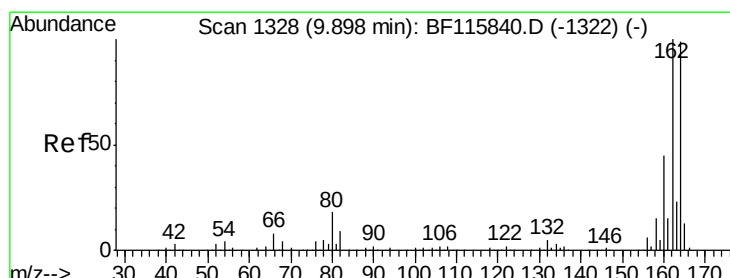
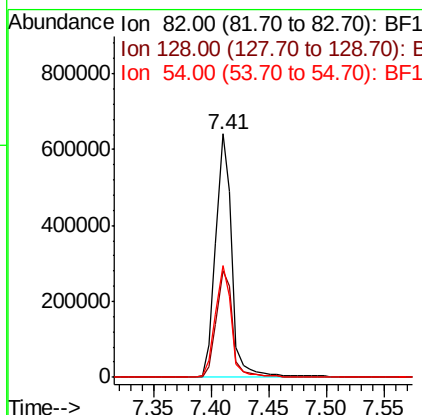
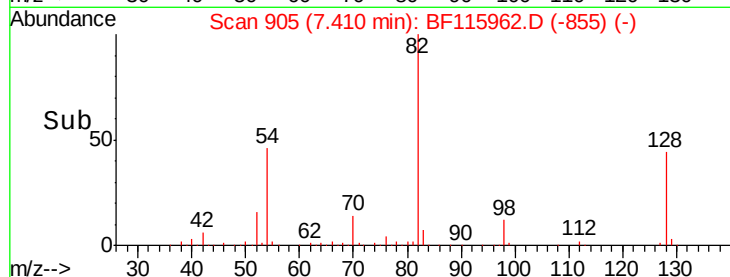
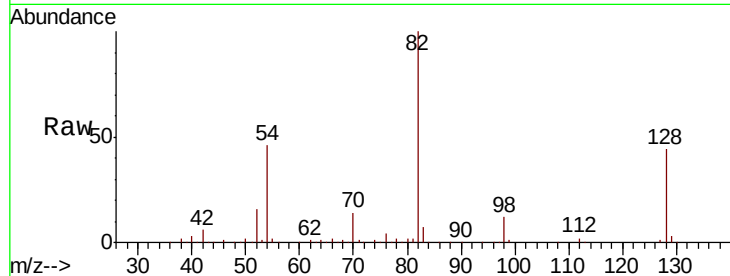
#23
 Nitrobenzene-d5
 Concen: 76.422 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Instrument :
 BNA_F
 ClientSampled :
 TP-15

Tot Ion	Ratio	Resp	Lower	Upper
82	100	629456		
128	43.6		36.6	55.0
54	45.7		36.6	55.0

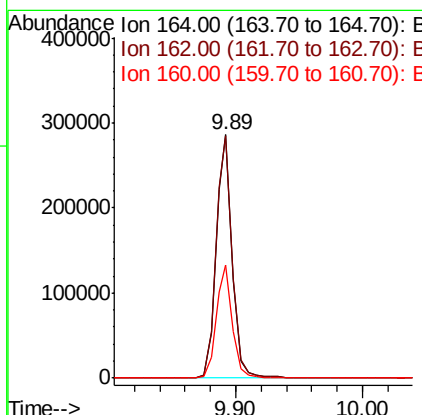
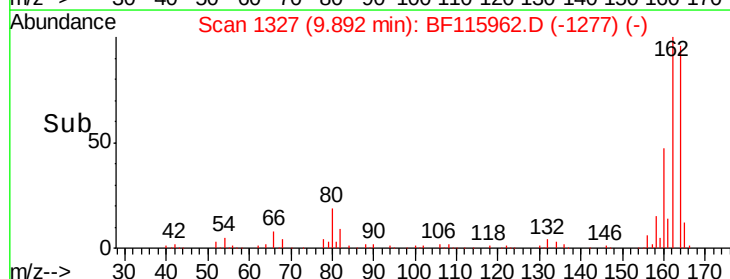
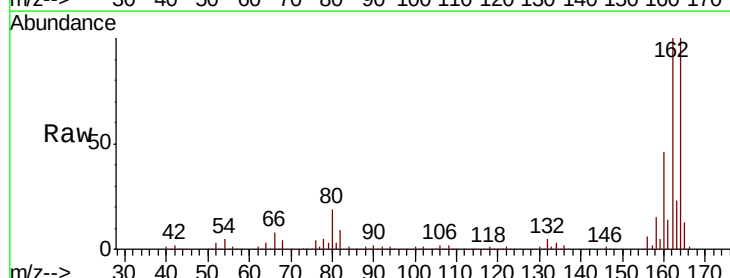
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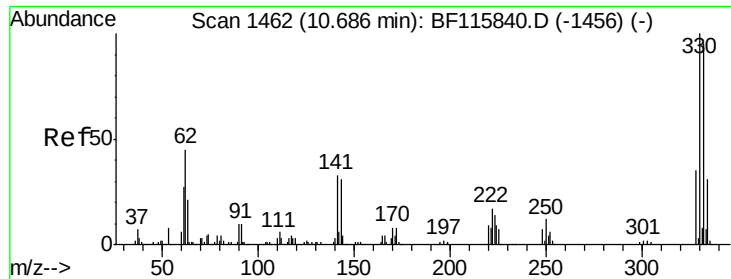
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254756		
162	99.6		80.8	121.2
160	46.4		36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 108.676 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Instrument :

BNA_F

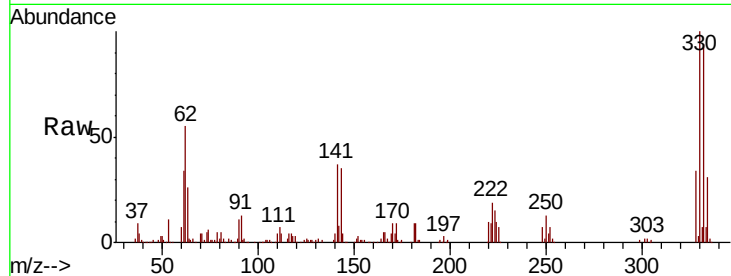
ClientSampled :

TP-15

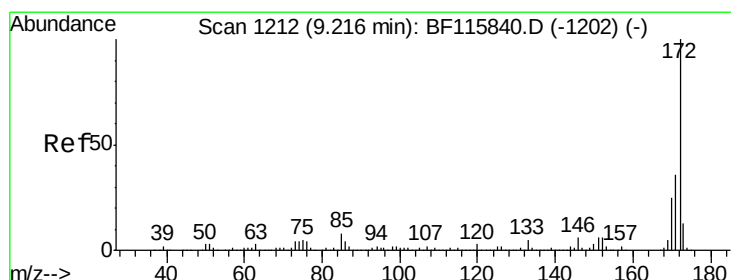
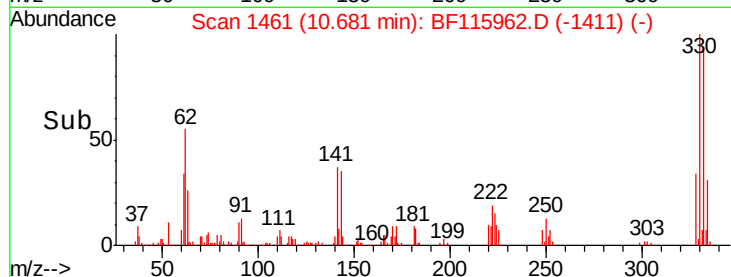
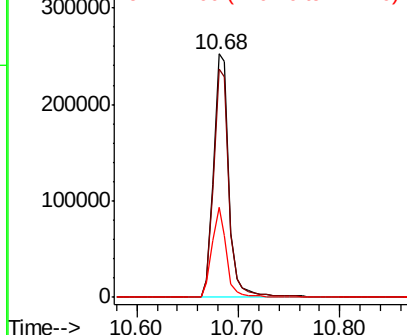
Tot Ion:	330	Resp:	268423
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.7	116.5
141	34.9	28.1	42.1

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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: 76.944 ng

RT: 9.21 min Scan# 1211

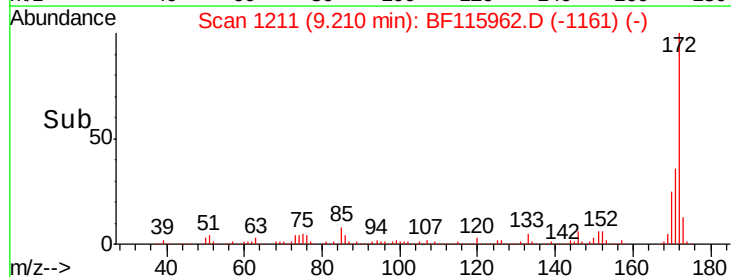
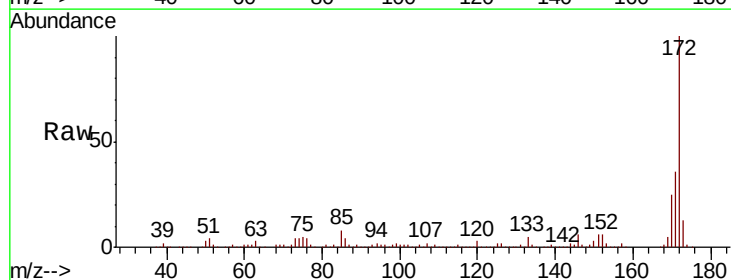
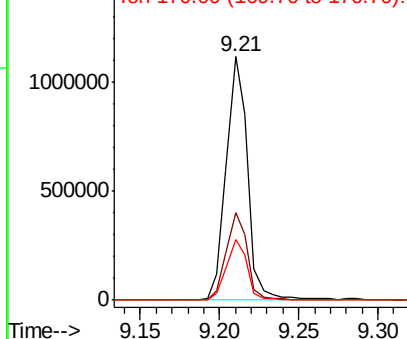
Delta R.T. -0.01 min

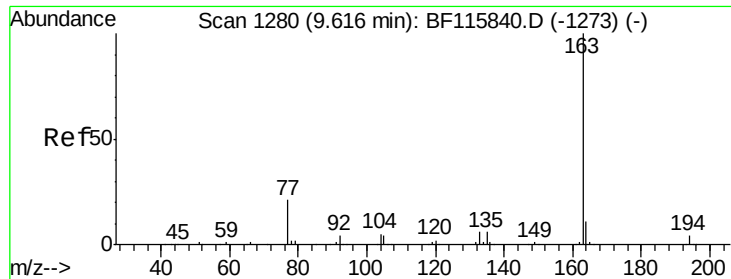
Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Tgt Ion:	172	Resp:	1046514
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.1	43.7
170	24.7	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





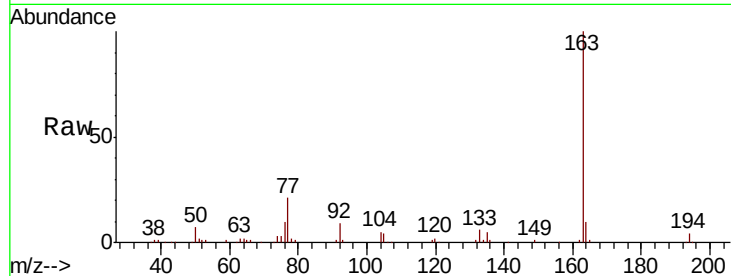
#50
Dimethylphthalate
Concen: 9.277 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Instrument :
BNA_F
ClientSampled :
TP-15

Tot Ion	Ratio	Resp	Lower	Upper
163	100	160922		
194	3.8		3.0	4.6
164	10.1		8.4	12.6

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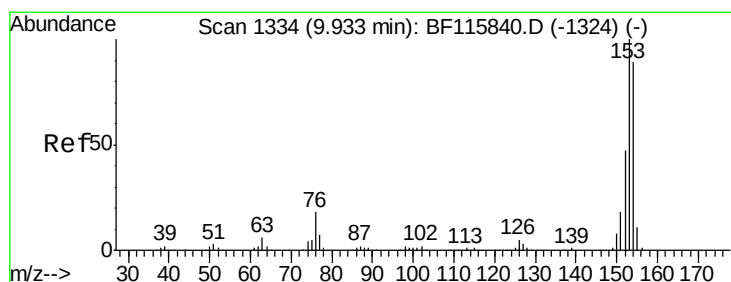
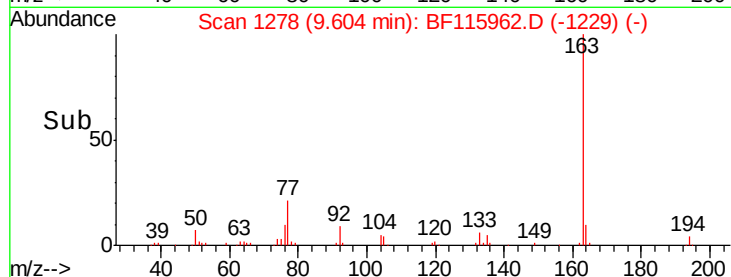
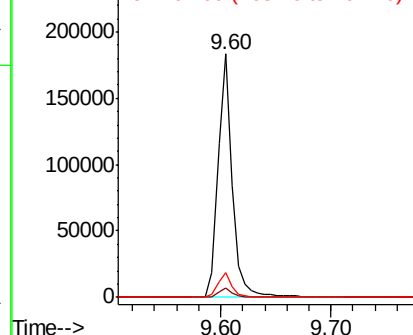


Abundance

Ion 163.00 (162.70 to 163.70): E

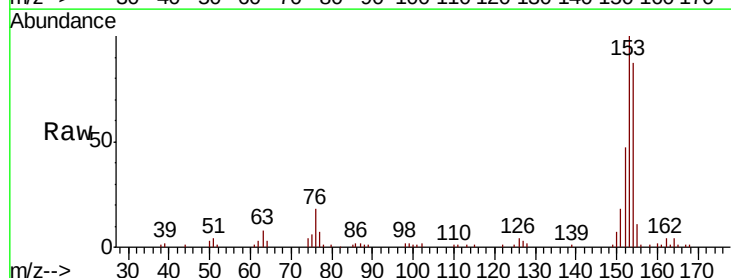
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 3.314 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	44398		
153	115.0		90.1	135.1
152	53.9		42.6	63.8

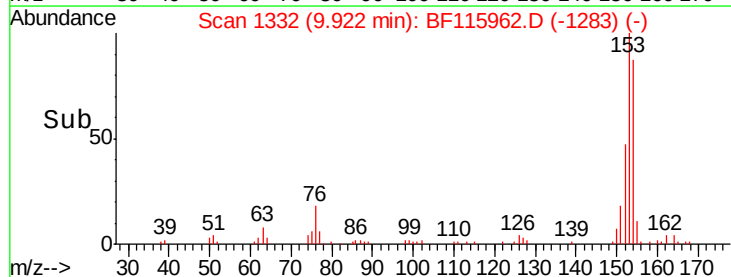
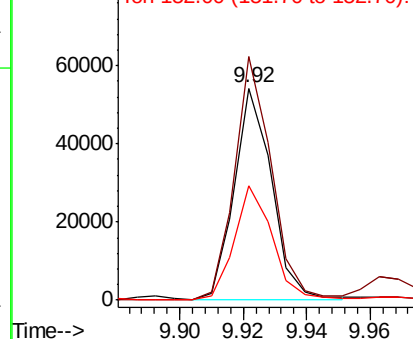


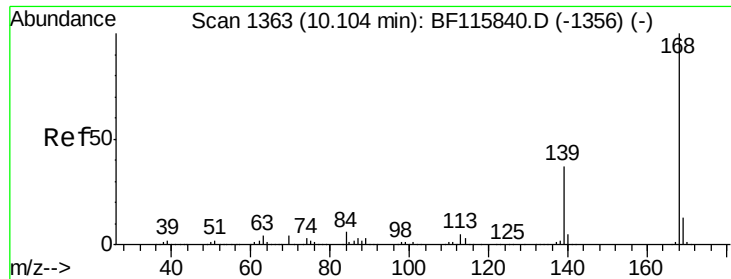
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 2.415 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Instrument :

BNA_F

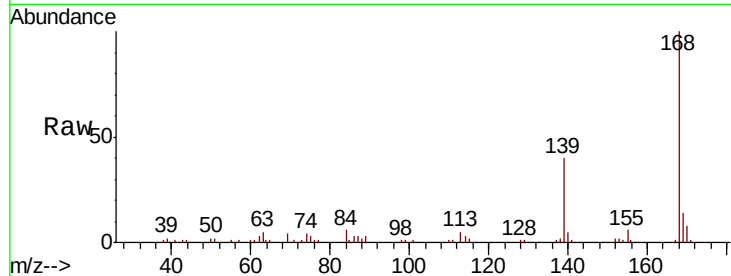
ClientSampleId :

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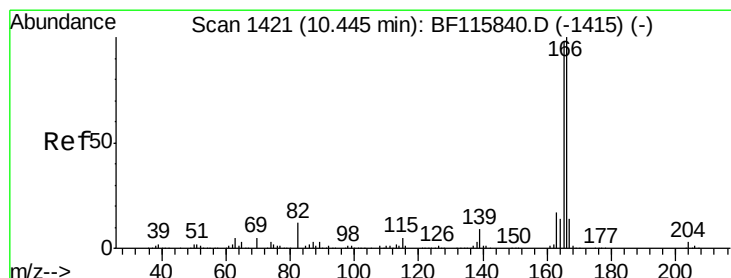
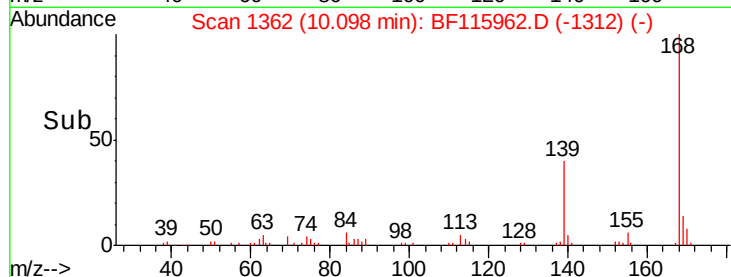
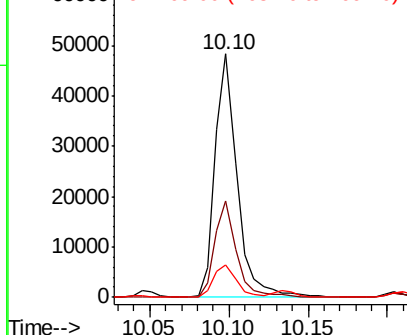
Tot Ion:168	Resp:	47055
Ion Ratio	Lower	Upper
168	100	
139	39.7	30.2 45.2
169	13.5	10.8 16.2

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 4.013 ng

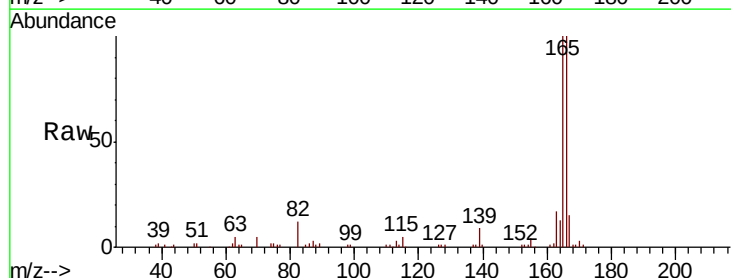
RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

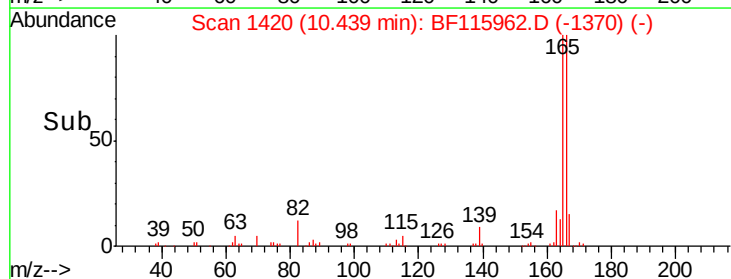
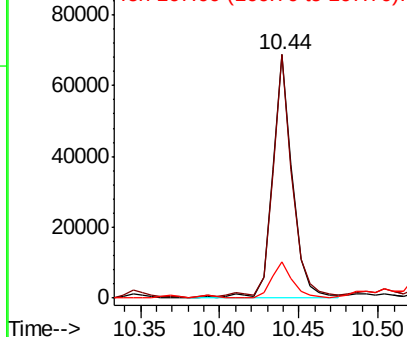
Lab File: BF115962.D

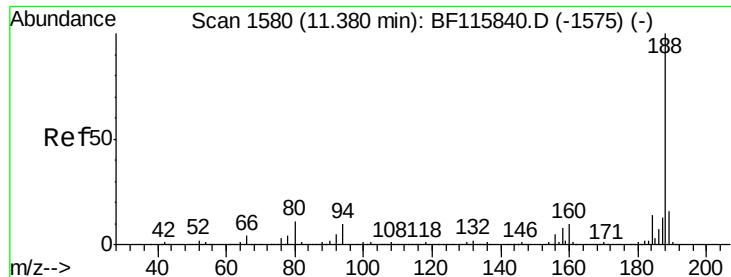
Acq: 2 Aug 2019 22:17

Tgt Ion:166	Resp:	60152
Ion Ratio	Lower	Upper
166	100	
165	100.1	78.6 118.0
167	14.8	10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





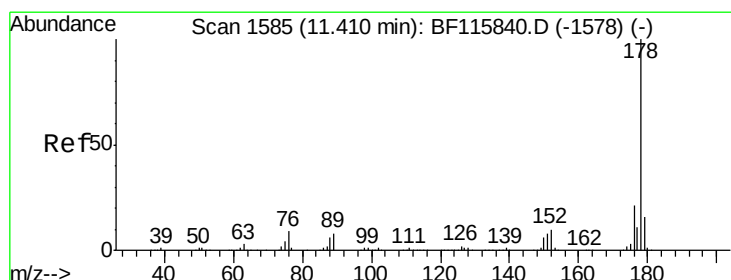
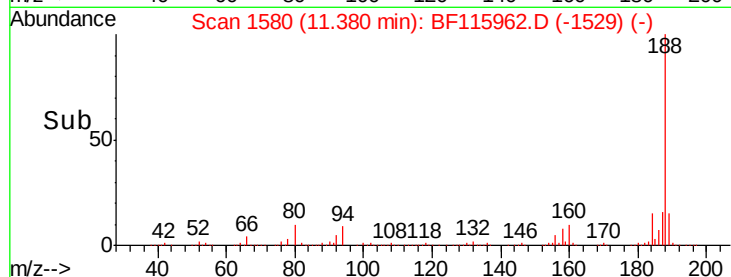
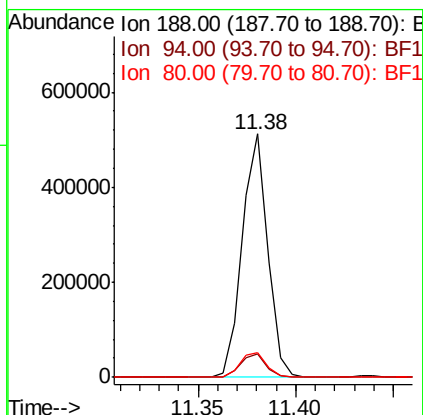
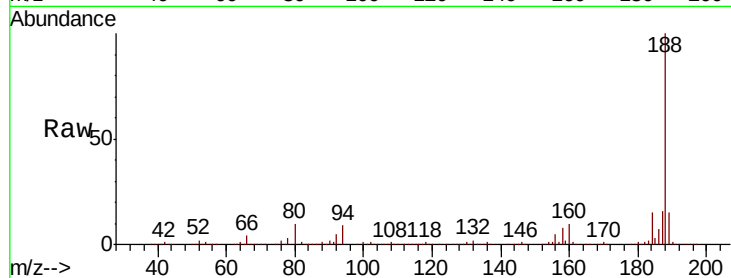
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion	Ratio	Resp	Lower	Upper
188	100	464938		
94	9.4		8.0	12.0
80	10.2		8.6	12.8

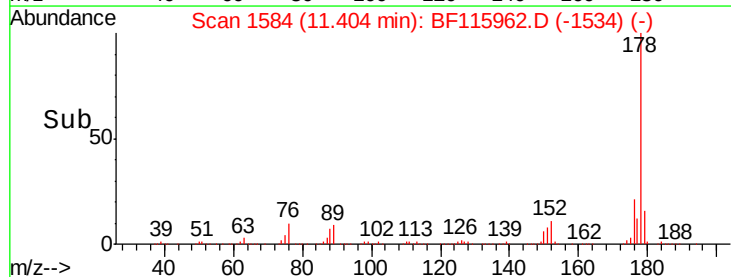
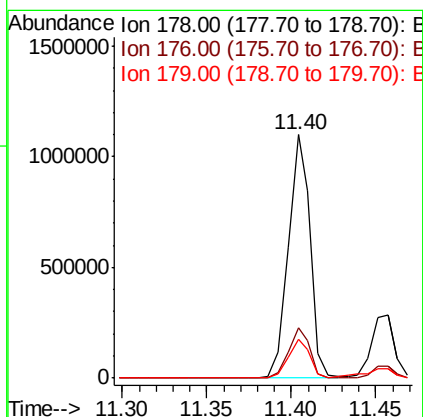
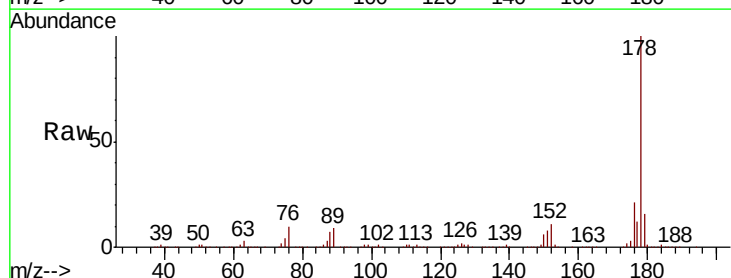
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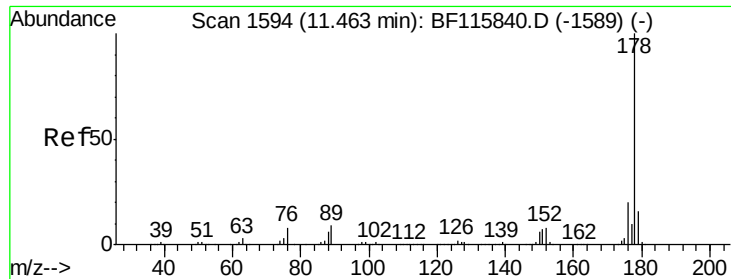
mohammad
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#71
Phenanthrene
Concen: 41.546 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	987497		
176	20.6		16.5	24.7
179	16.1		12.6	18.8





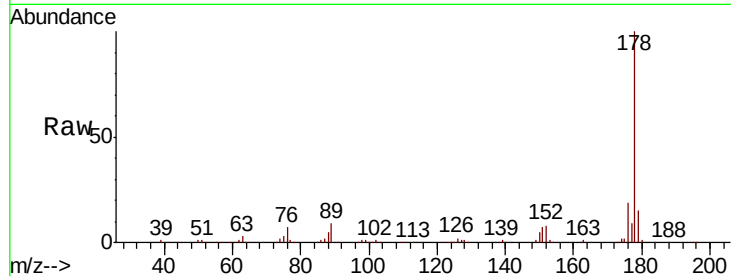
#72
 Anthracene
 Concen: 11.009 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Instrument :
 BNA_F
 ClientSampled :
 TP-15

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.0	12.4	18.6

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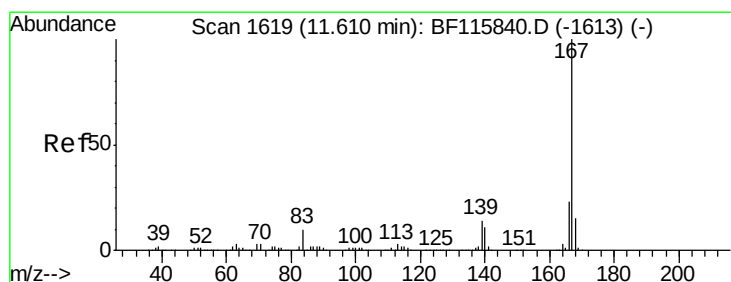
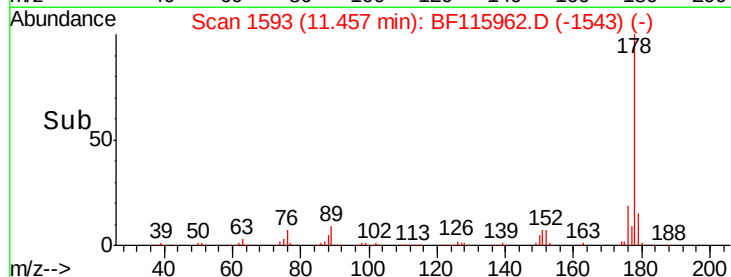
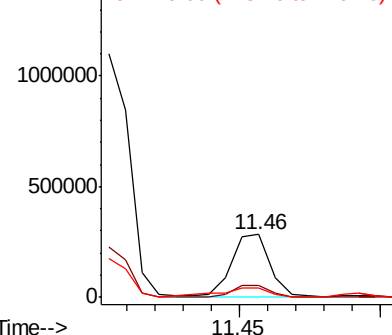


Abundance

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



#73
 Carbazole
 Concen: 4.641 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

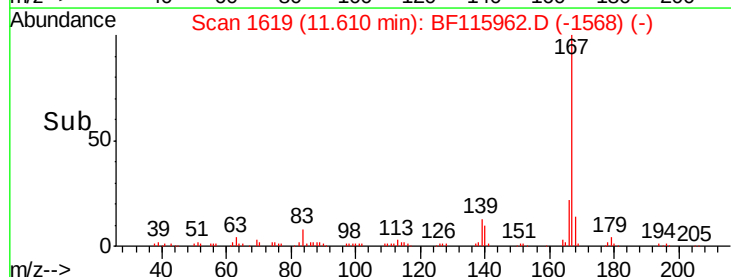
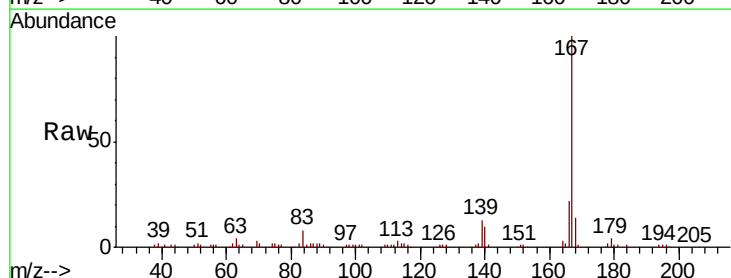
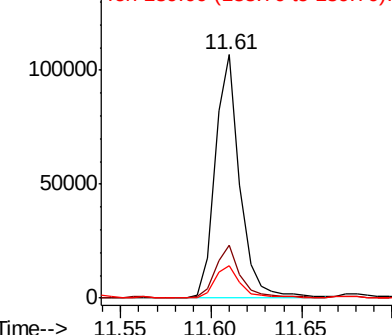
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	13.4	11.4	17.2

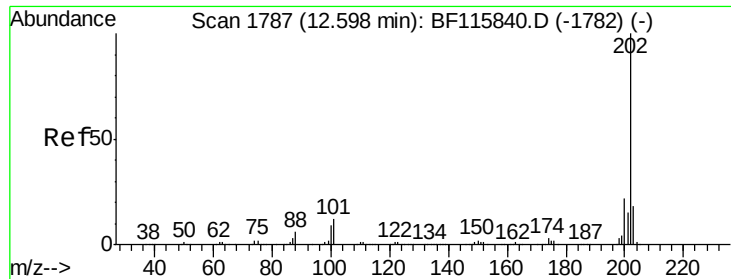
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 42.895 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Instrument :

BNA_F

ClientSampled :

TP-15

Tot Ion:202 Resp: 1067378

Ion Ratio Lower Upper

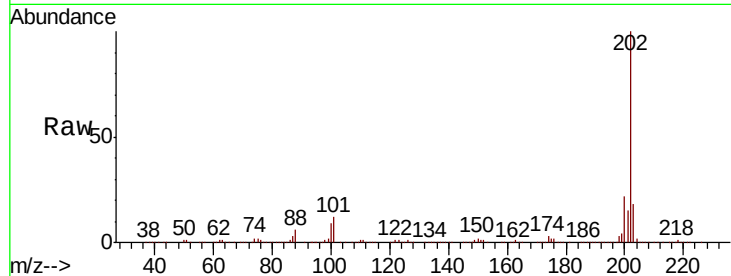
202 100

101 11.6 0.0 31.5

203 18.0 0.0 37.9

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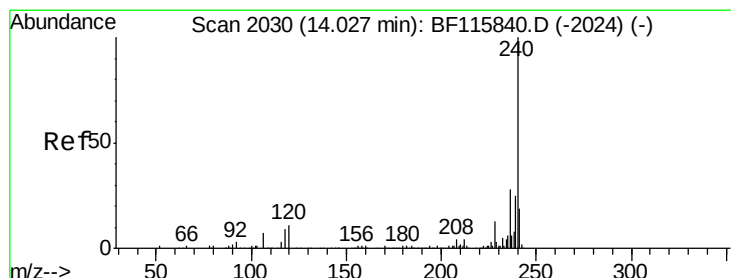
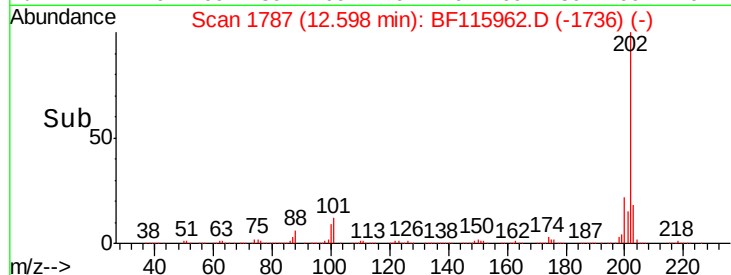
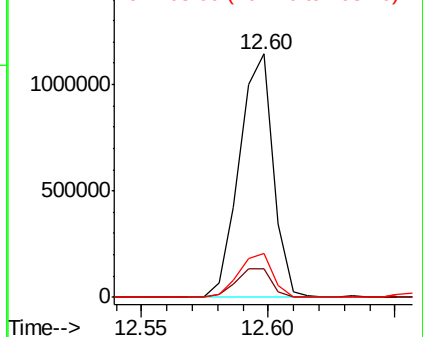


Abundance

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

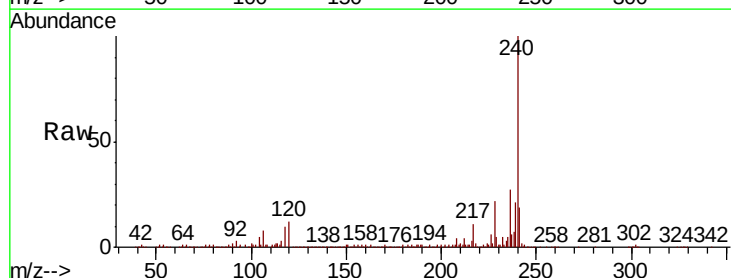
Tgt Ion:240 Resp: 339112

Ion Ratio Lower Upper

240 100

120 11.6 8.5 12.7

236 27.5 22.2 33.2

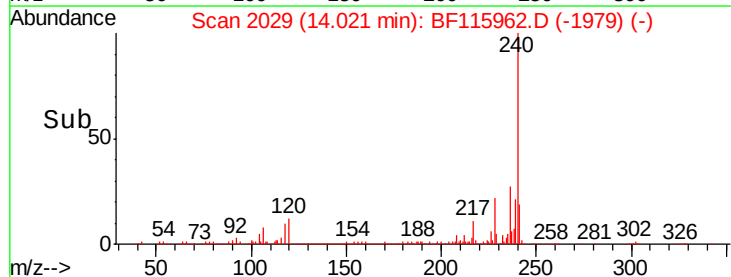
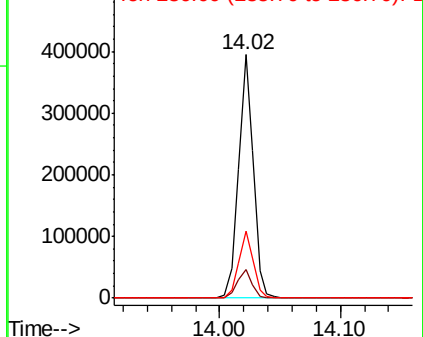


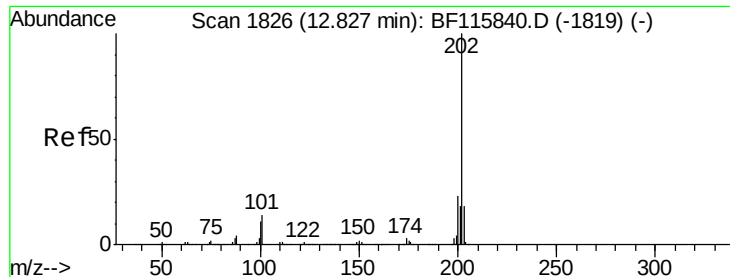
Abundance

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





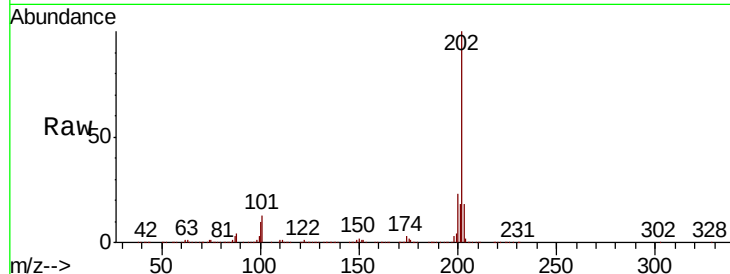
#78
Pvrene
Concen: 38.115 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.2	27.2
203	17.7	14.3	21.5

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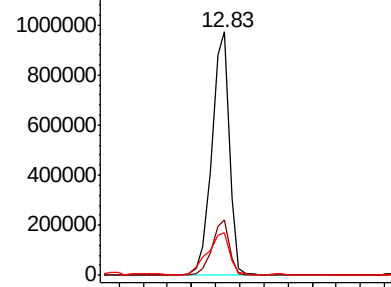


Abundance

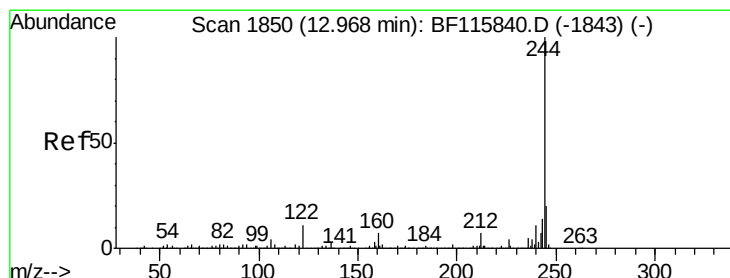
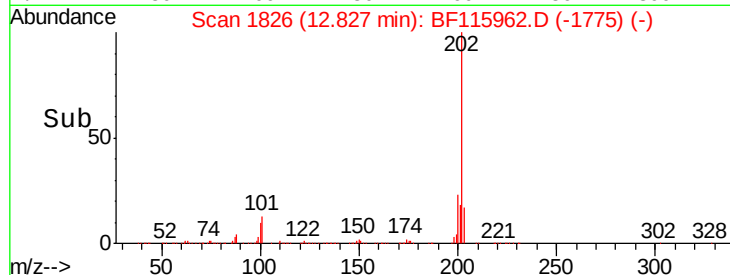
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

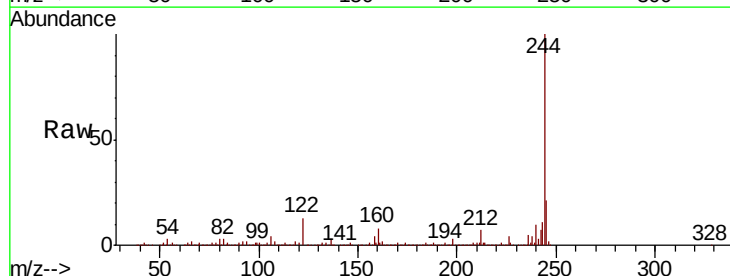


Time-->



#79
Terphenyl-d14
Concen: 75.377 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.6	8.6	13.0

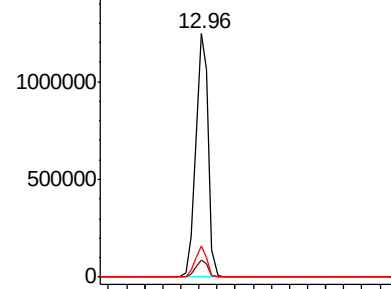


Abundance

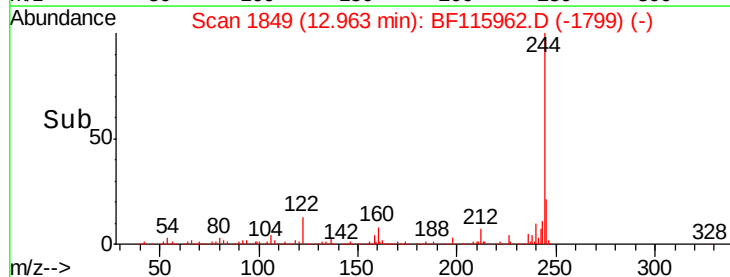
Ion 244.00 (243.70 to 244.70): E

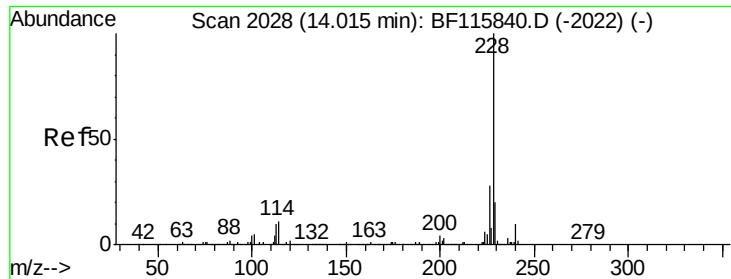
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 16.831 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Instrument :

BNA_F

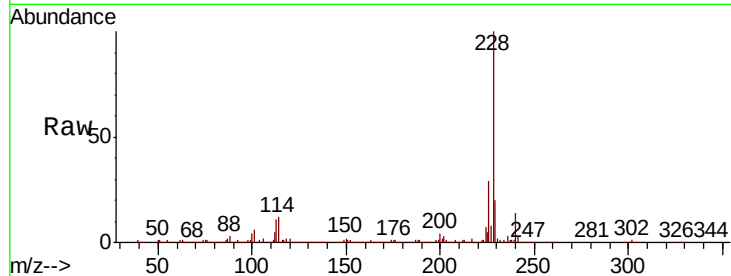
ClientSampleId :

TP-15

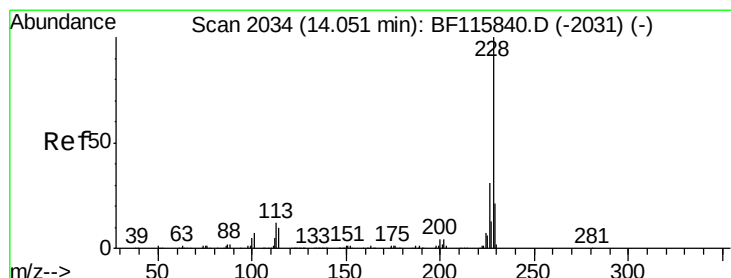
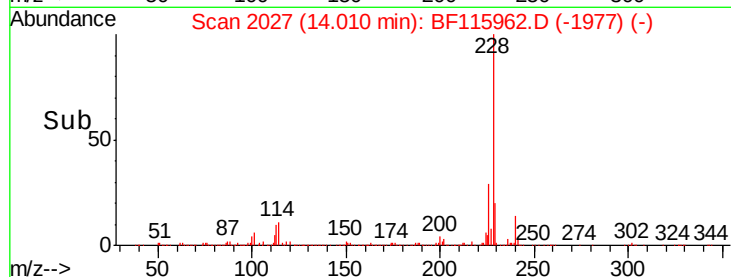
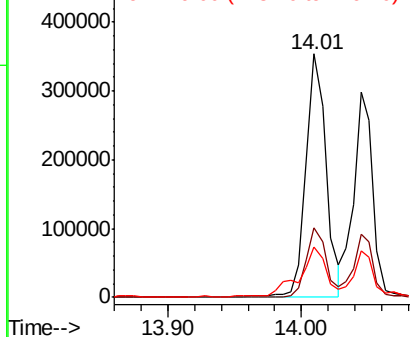
Tot Ion:	228	Resp:	364819
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.5	33.7
229	20.5	16.1	24.1

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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



#83

Chrysene

Concen: 14.212 ng

RT: 14.04 min Scan# 2033

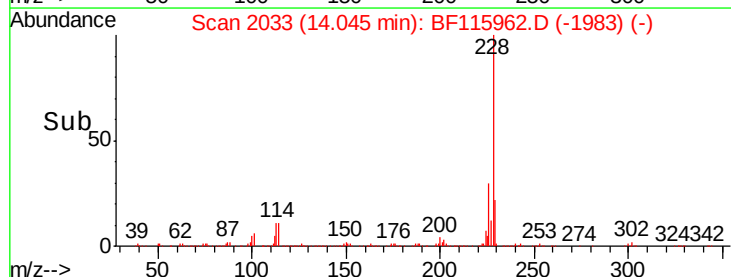
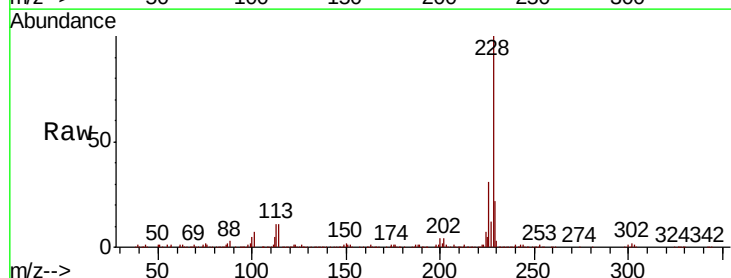
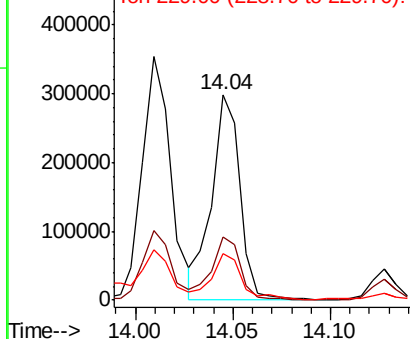
Delta R.T. -0.01 min

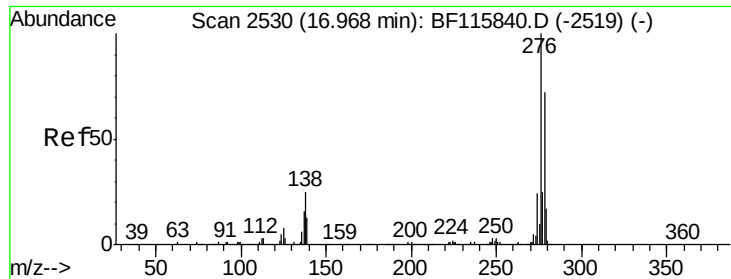
Lab File: BF115962.D

Acq: 2 Aug 2019 22:17

Tgt Ion:	228	Resp:	299068
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.8	37.2
229	22.4	16.4	24.6

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





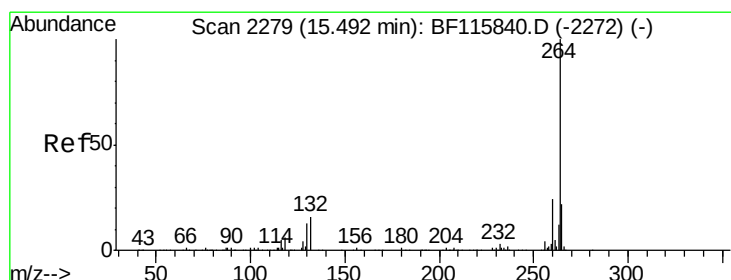
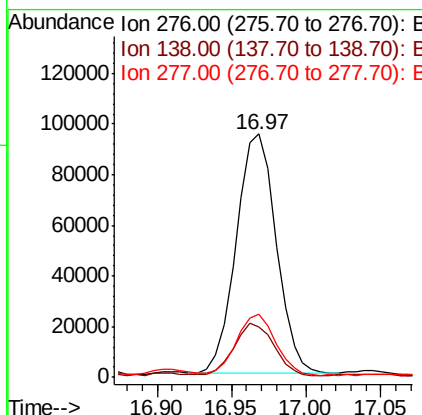
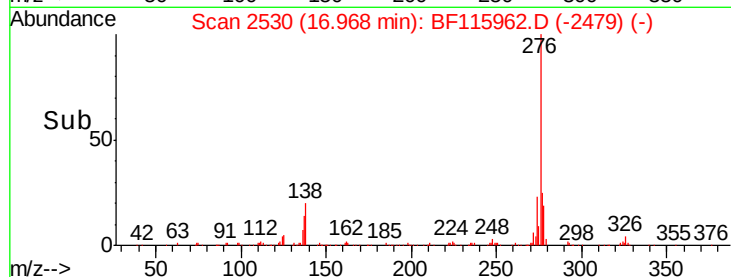
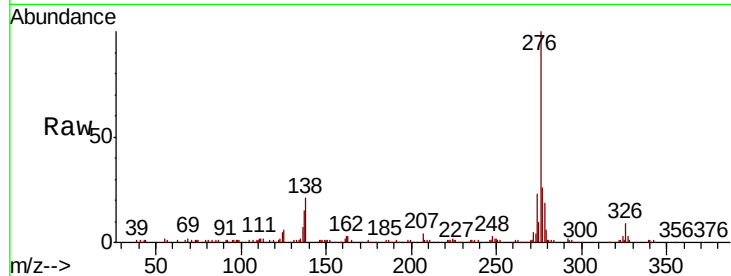
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.998 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.6	29.4
277	24.7	20.1	30.1

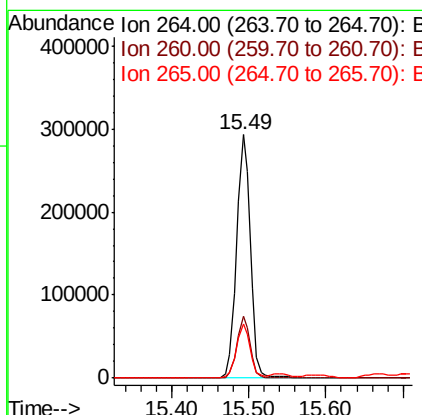
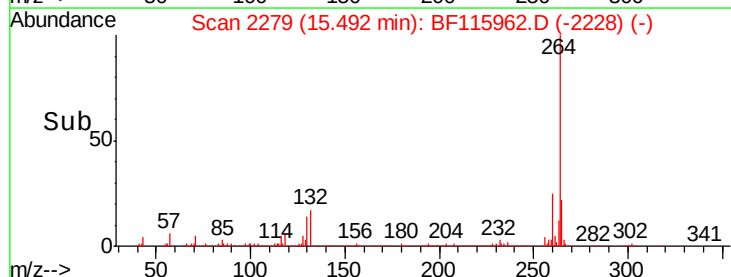
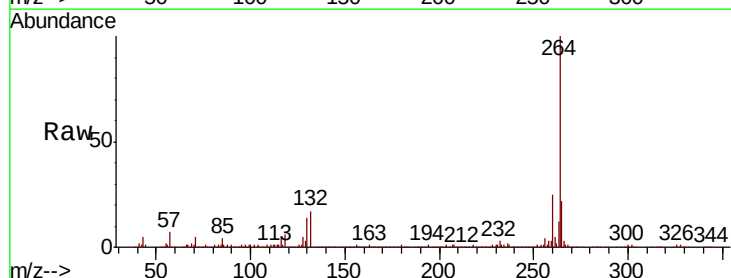
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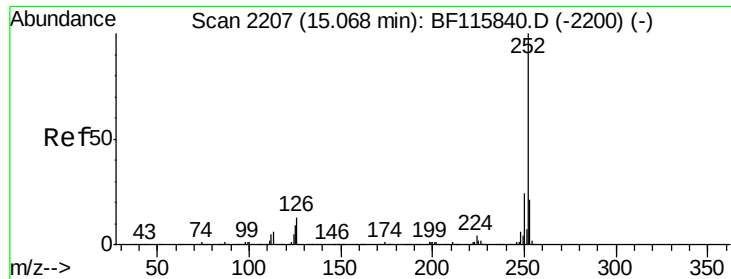
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	22.3	17.5	26.3





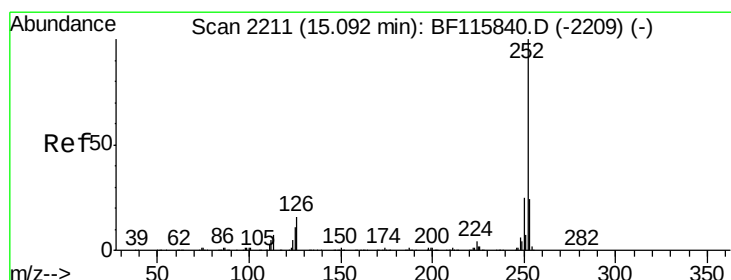
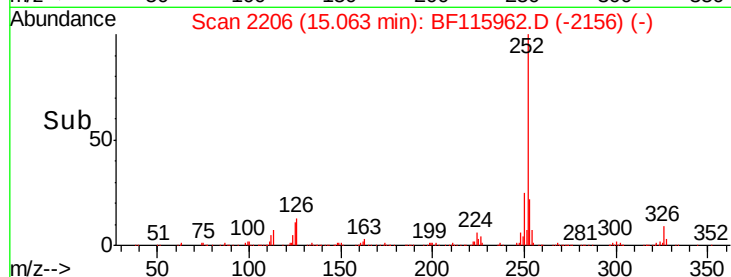
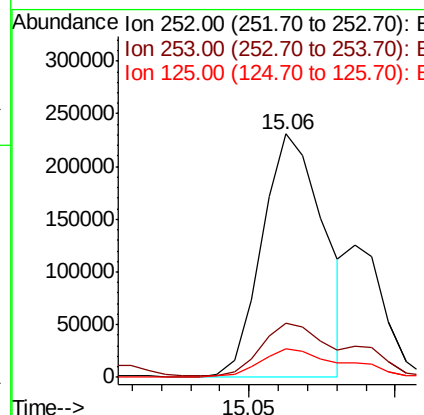
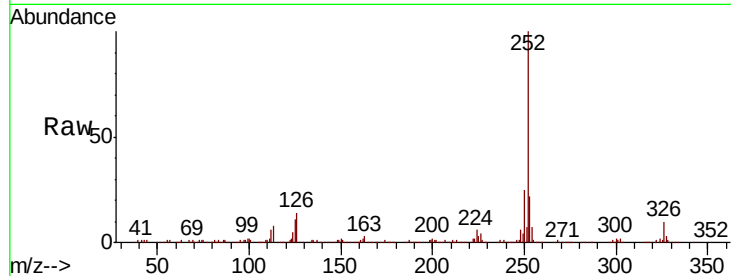
#88
Benzo(b)fluoranthene
Concen: 15.887 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.5	7.4	11.0

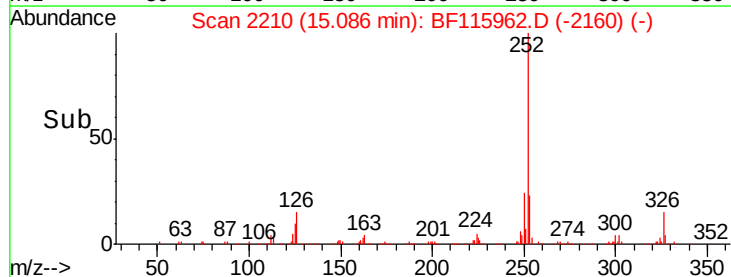
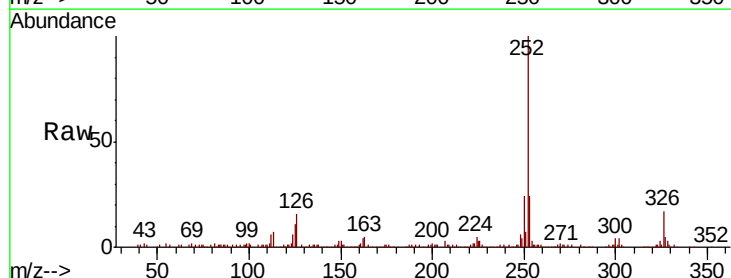
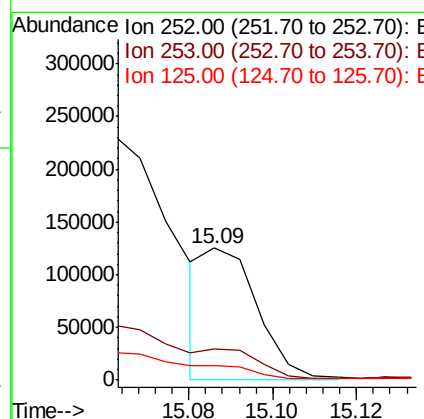
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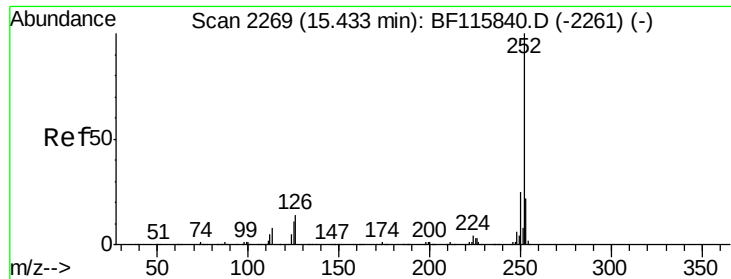
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#89
Benzo(k)fluoranthene
Concen: 5.251 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	11.0	8.9	13.3





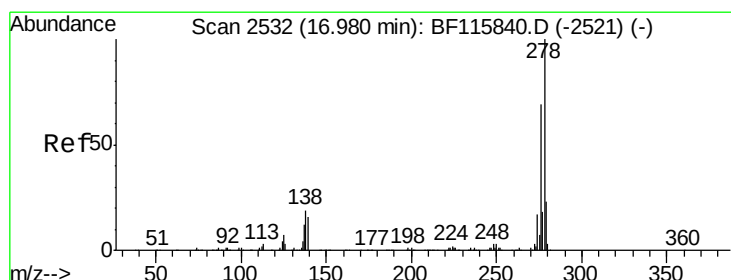
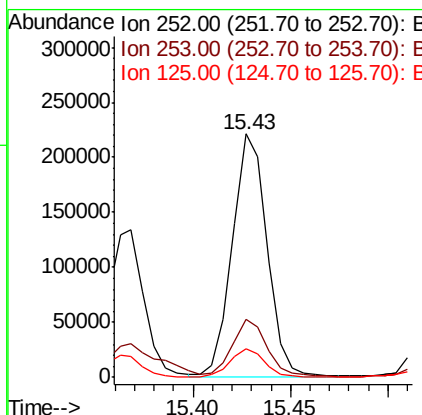
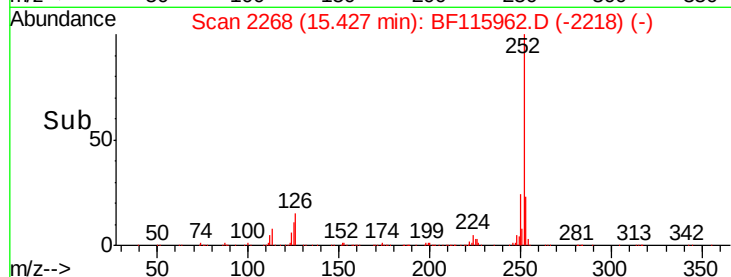
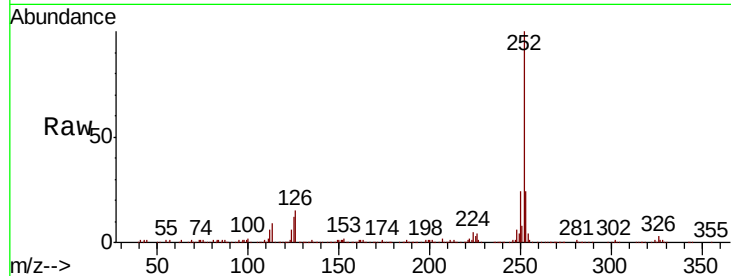
#90
Benzo(a)pyrene
Concen: 14.149 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Instrument :
BNA_F
ClientSampled :
TP-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.7	8.8	13.2

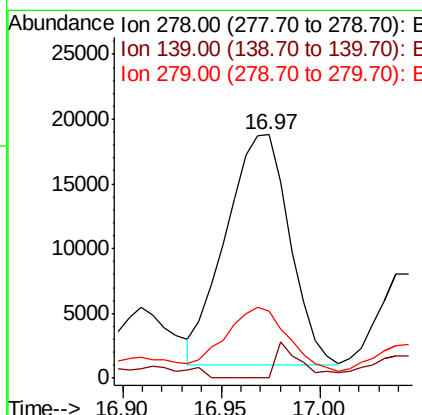
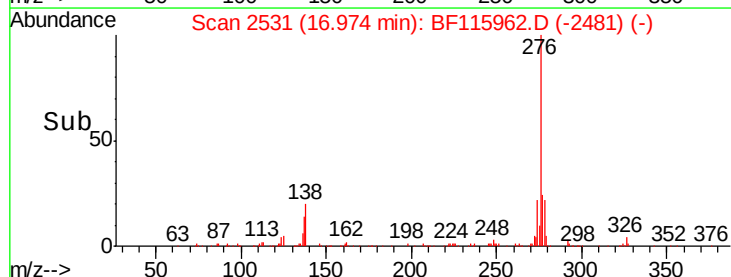
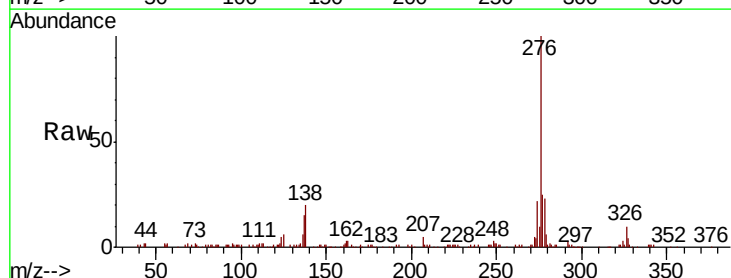
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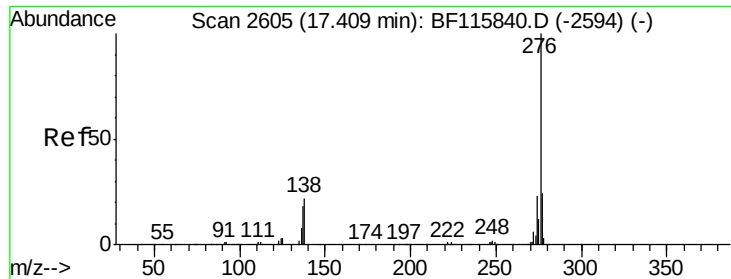
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#91
Dibenzo(a,h)anthracene
Concen: 2.406 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115962.D
Acq: 2 Aug 2019 22:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.3	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 10.470 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: BF115962.D
 Acq: 2 Aug 2019 22:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

Tot Ion:	276	Resp:	171290
Ion Ratio		Lower	Upper
276	100		
277	24.0	19.5	29.3
138	21.7	17.8	26.8

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