

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115880.D
 Acq On : 31 Jul 2019 21:40
 Operator : HP/JU
 Sample : K4024-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
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Quant Time: Aug 01 07:41:27 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	141810	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	544208	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	280383	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	444891	20.00	ng	0.00
76) Chrysene-d12	14.02	240	337404	20.00	ng	0.00
87) Perylene-d12	15.49	264	363115	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	755545	89.19	ng	0.00
7) Phenol-d6	6.49	99	999570	93.53	ng	0.00
23) Nitrobenzene-d5	7.41	82	623873	66.17	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	225737	83.04	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1026282	68.56	ng	0.00
79) Terphenyl-d14	12.96	244	974109	60.84	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	51301	2.003	ng	98
50) Dimethylphthalate	9.60	163	170914	8.953	ng	100
71) Phenanthrene	11.40	178	211797	9.312	ng	97
72) Anthracene	11.46	178	48183	2.093	ng	99
75) Fluoranthene	12.59	202	449368	18.873	ng	99
78) Pyrene	12.82	202	401746	15.796	ng	98
81) Benzo(a)anthracene	14.01	228	242847	11.261	ng	99
83) Chrysene	14.04	228	206217	9.849	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	113888	6.477	ng	95
88) Benzo(b)fluoranthene	15.06	252	300472m	14.311	ng	
89) Benzo(k)fluoranthene	15.09	252	88791m	4.342	ng	
90) Benzo(a)pyrene	15.43	252	202501	10.789	ng	96
92) Benzo(a,h,i)perylene	17.41	276	104000	6.518	ng	98

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

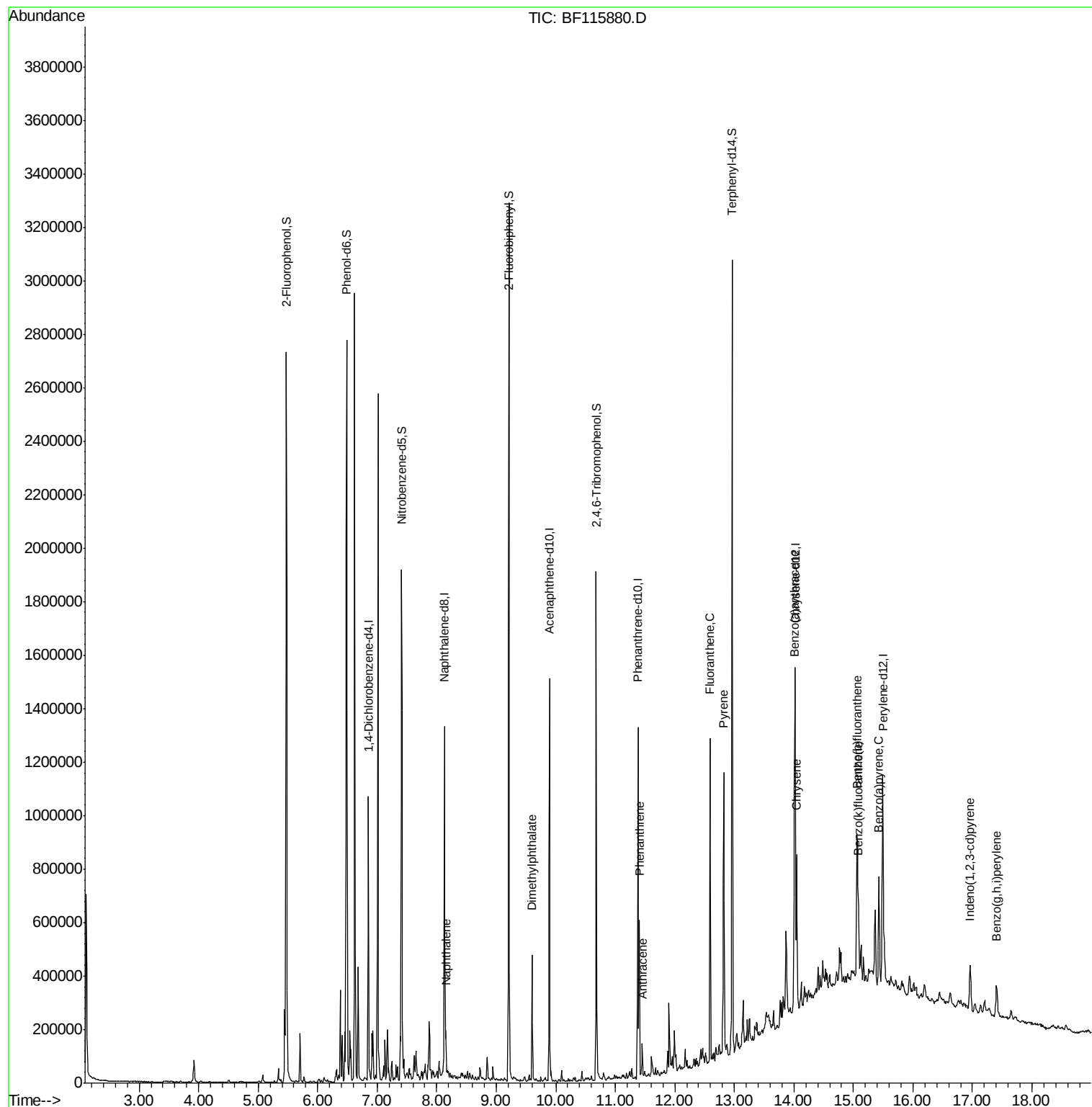
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
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TP-8

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#1

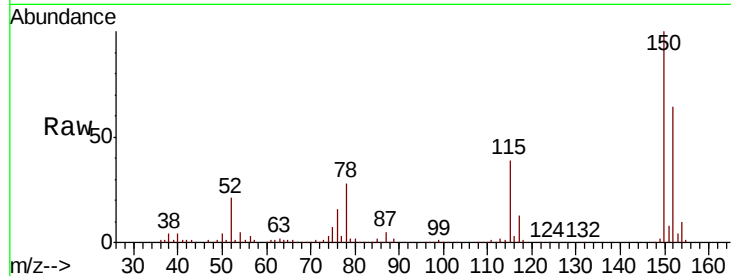
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.0
115	61.1	51.8	77.8

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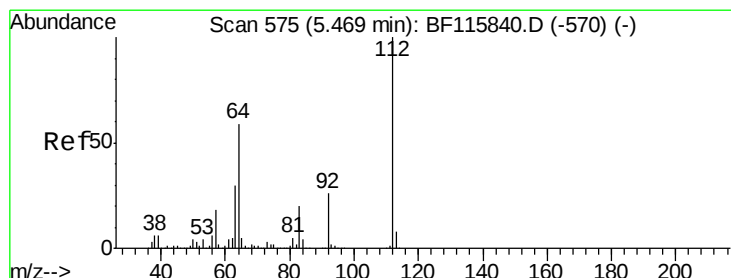
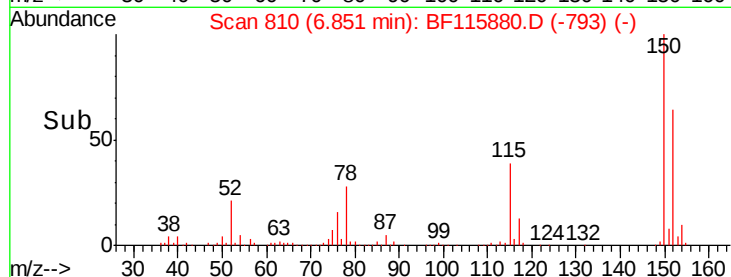
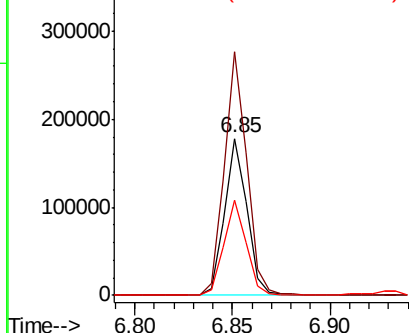


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

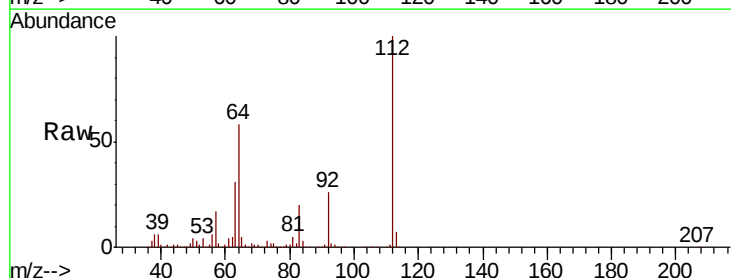
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.192 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.8	70.2
63	30.7	24.2	36.2

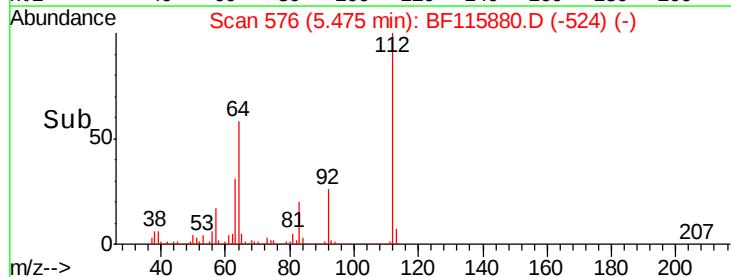
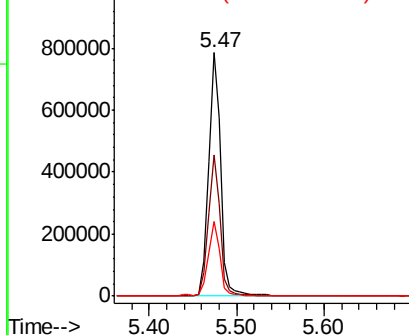


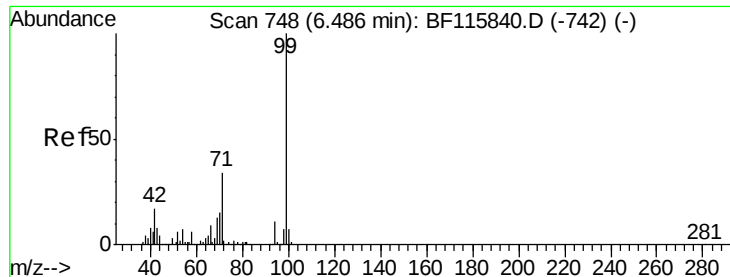
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.525 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

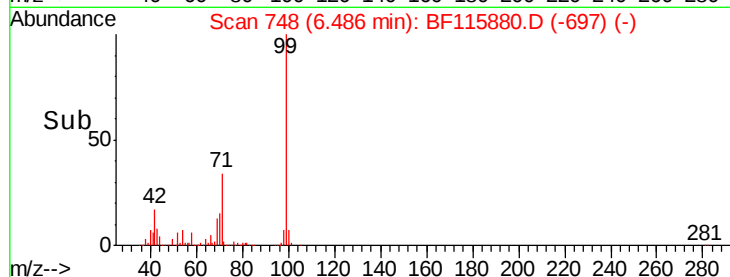
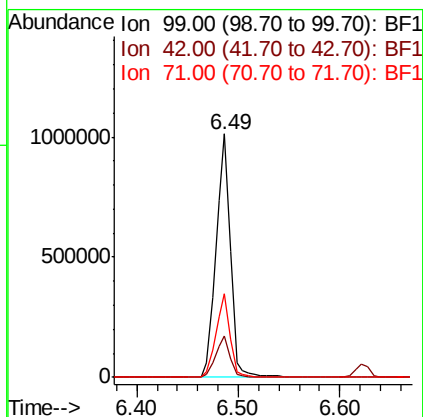
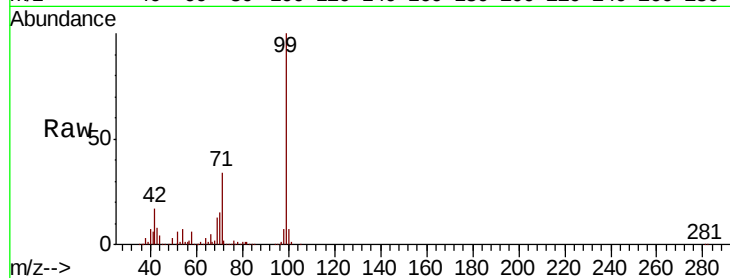
ClientSampleId :

TP-8

Tot Ion:	99	Resp:	999570
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.8	20.6
71	34.2	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

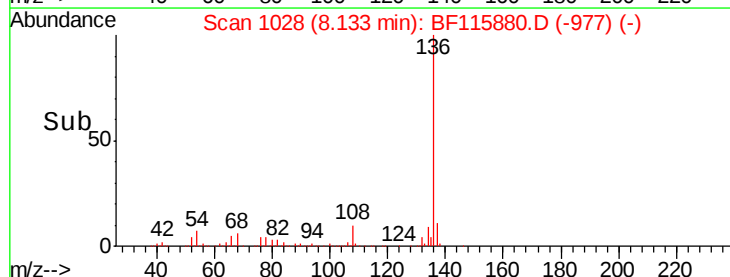
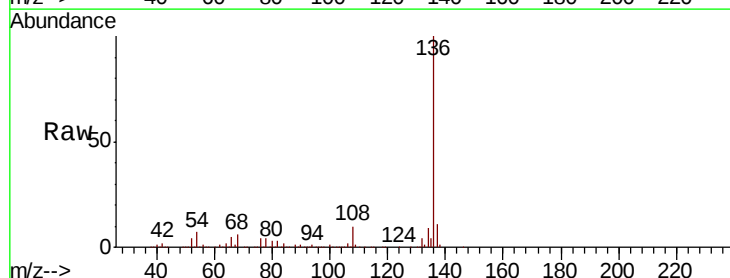
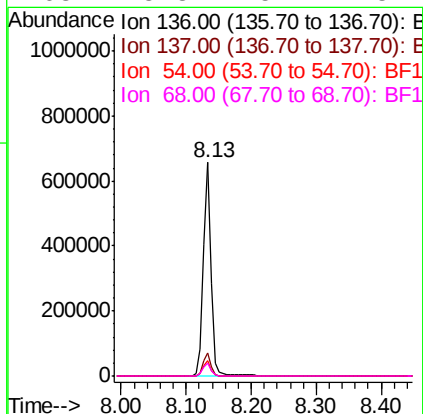
RT: 8.13 min Scan# 1028

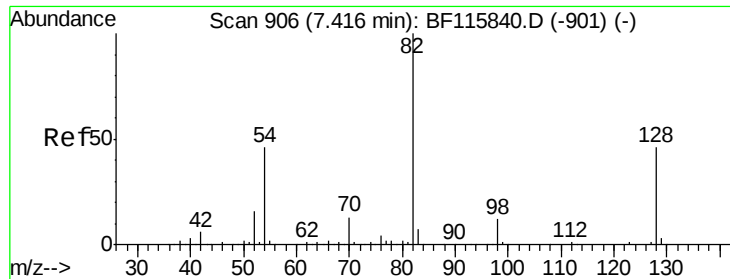
Delta R.T. -0.00 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Tgt Ion:	136	Resp:	544208
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.9	6.1	9.1
68	5.8	5.4	8.2





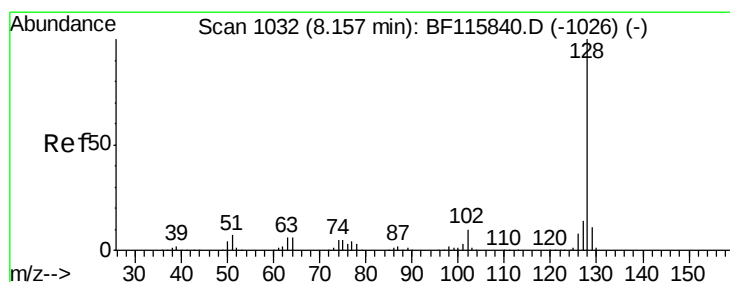
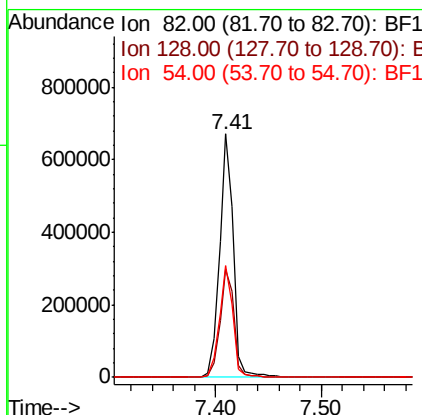
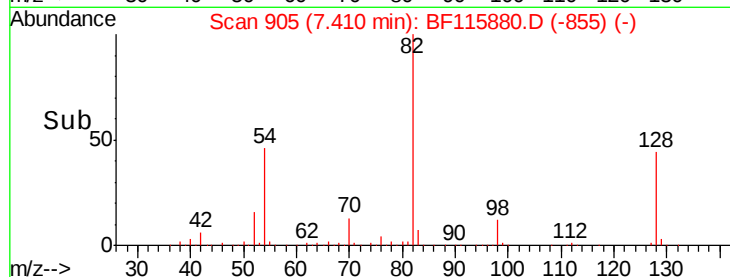
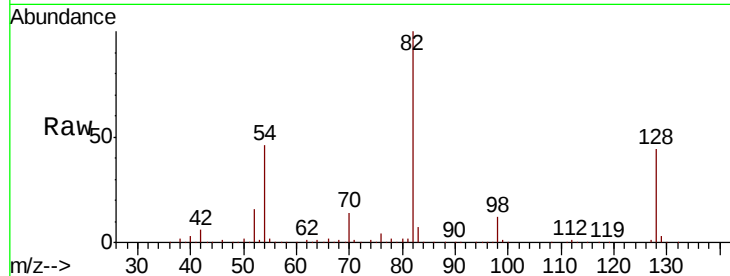
#23
Nitrobenzene-d5
Concen: 66.173 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.6	55.0
54	45.7	36.6	55.0

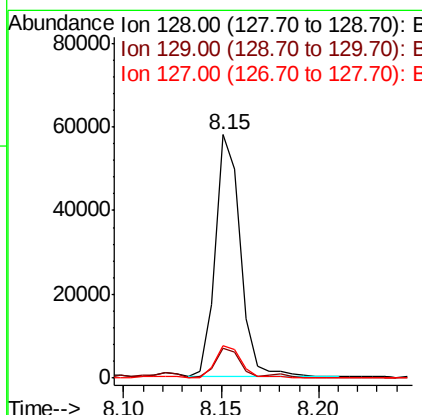
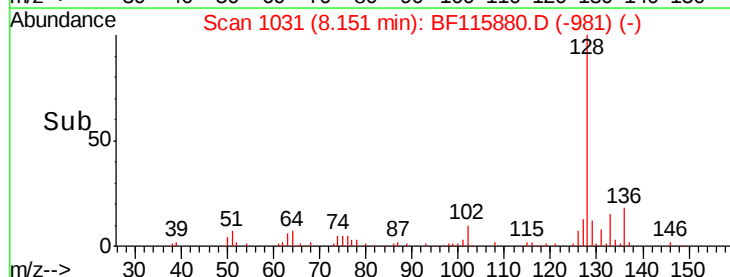
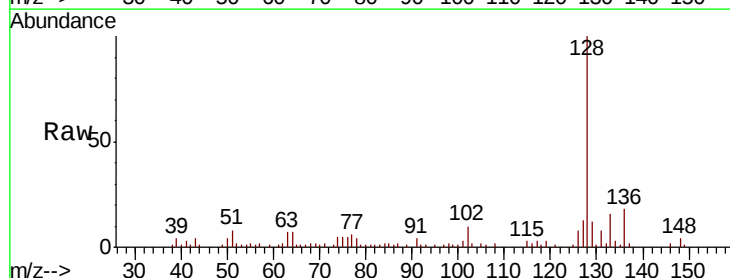
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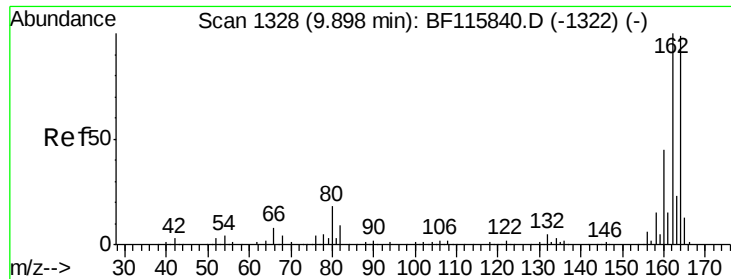
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#31
Naphthalene
Concen: 2.003 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.2	13.8
127	13.1	11.0	16.4





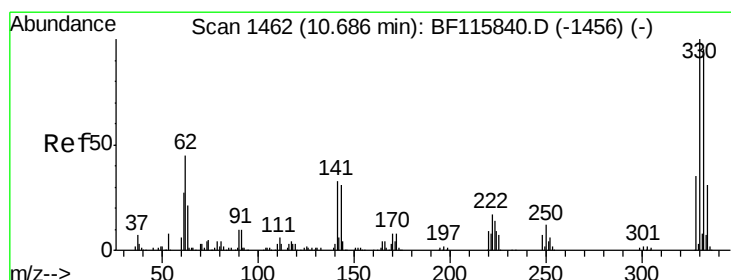
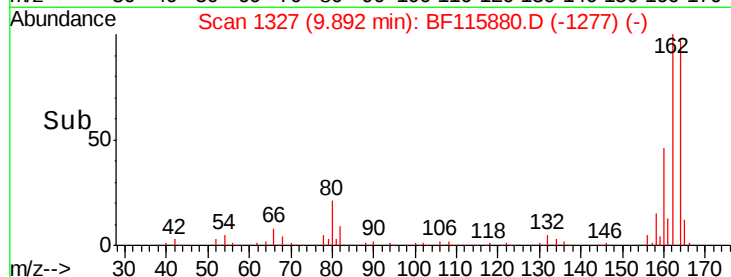
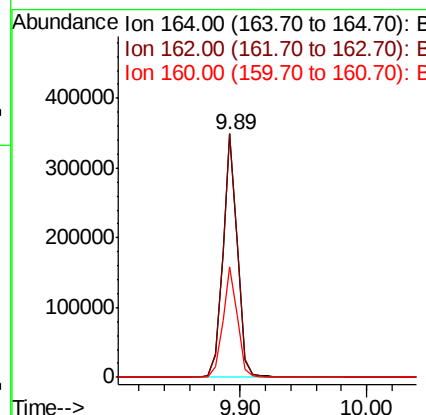
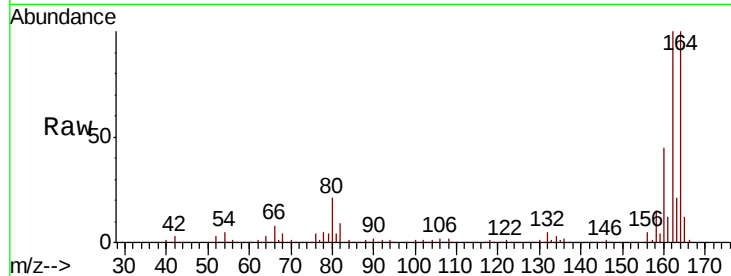
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.8	80.8	121.2	
160	45.5	36.2	54.4	

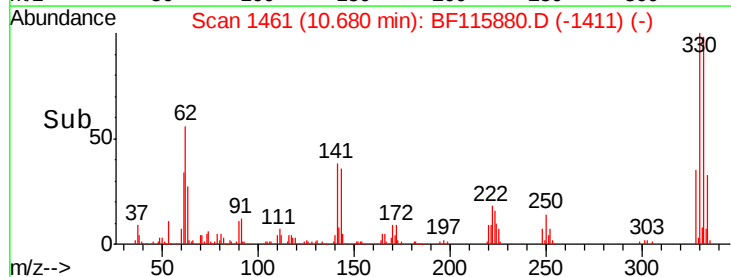
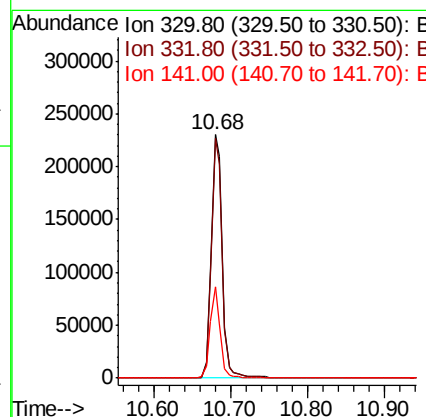
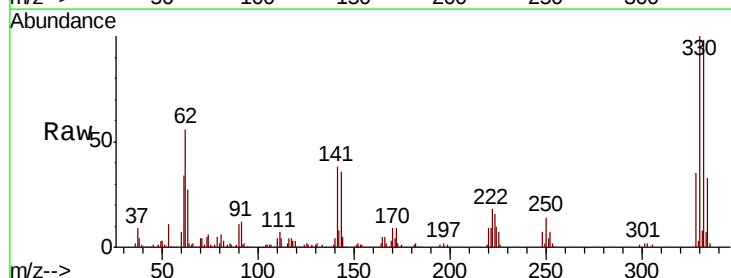
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#42
2,4,6-Tribromophenol
Concen: 83.041 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.7	116.5	
141	34.8	28.1	42.1	





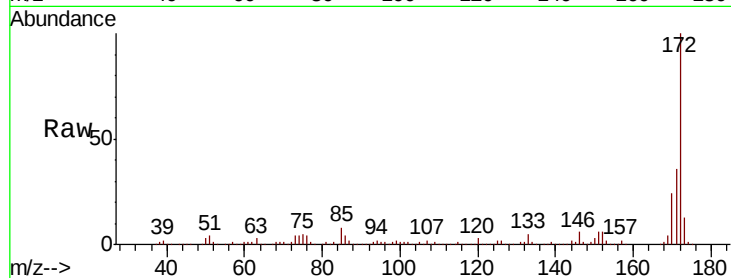
#45
2-Fluorobiphenyl
Concen: 68.560 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.1	43.7
170	24.4	20.1	30.1

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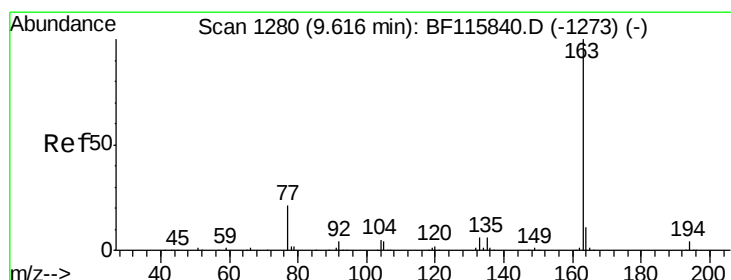
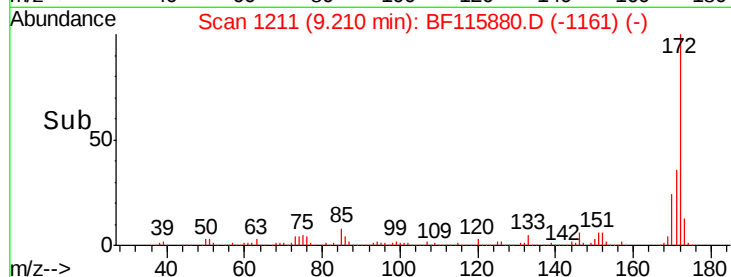
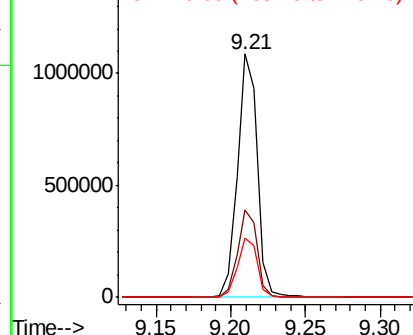


Abundance

Ion 172.00 (171.70 to 172.70): E

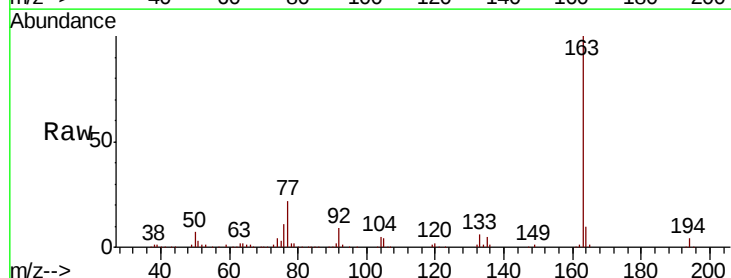
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.953 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.4	8.4	12.6

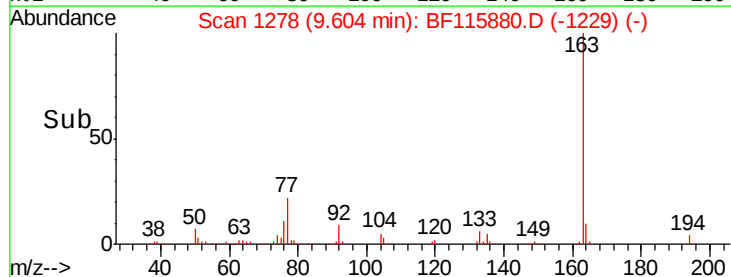
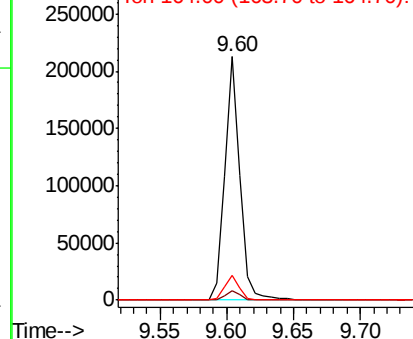


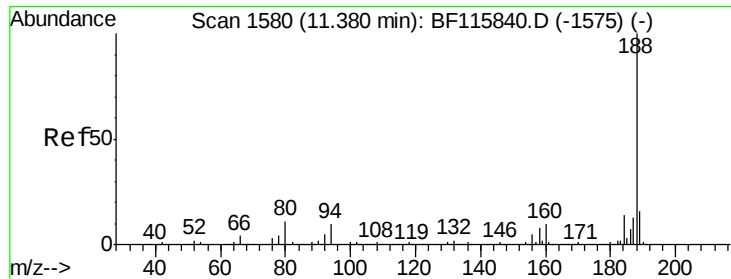
Abundance

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





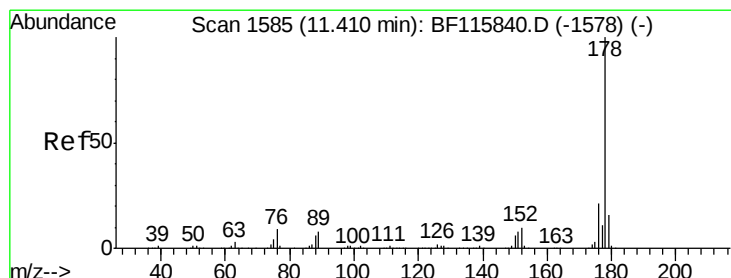
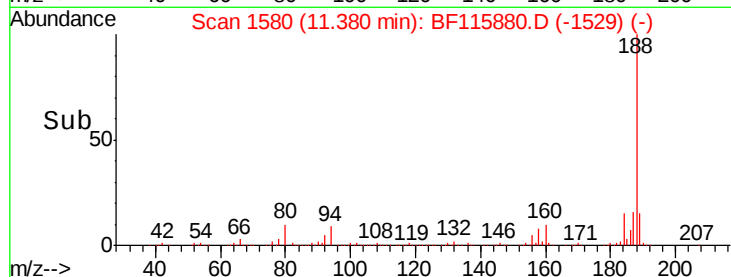
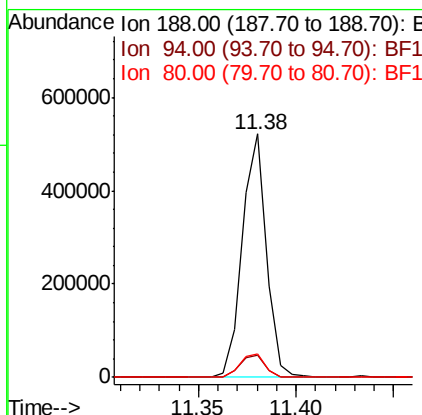
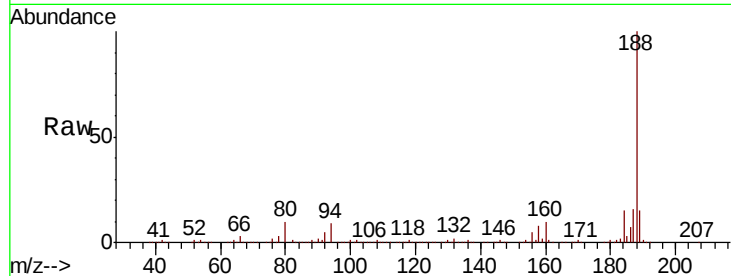
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	444891		
94	9.1		8.0	12.0
80	9.8		8.6	12.8

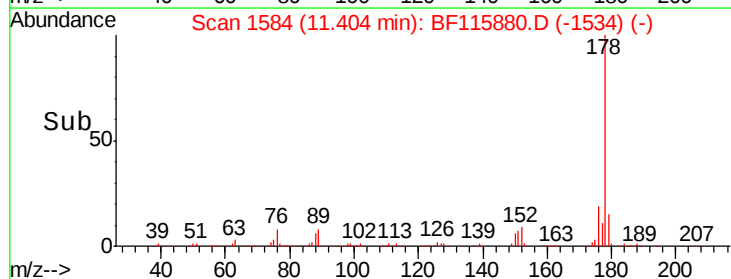
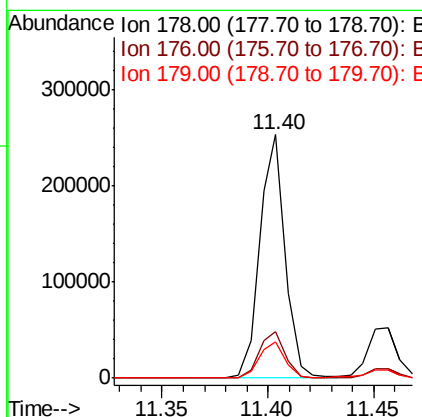
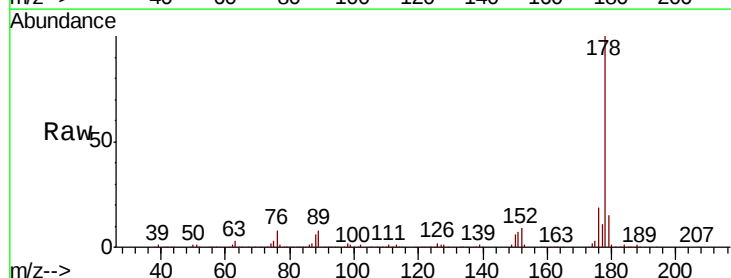
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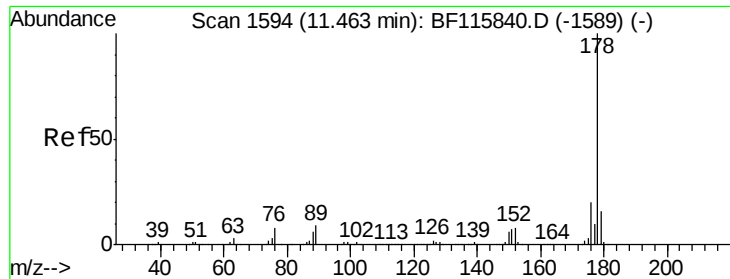
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#71
Phenanthrene
Concen: 9.312 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	211797		
176	19.3		16.5	24.7
179	14.8		12.6	18.8





#72

Anthracene

Concen: 2.093 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

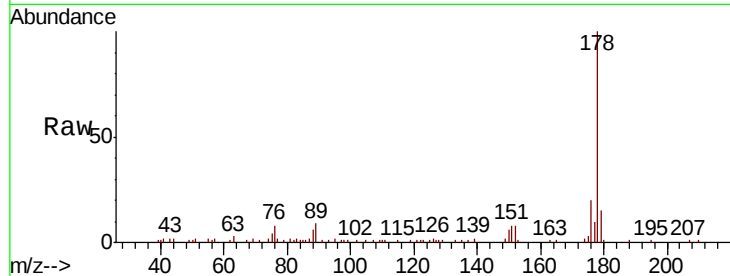
ClientSampleId :

TP-8

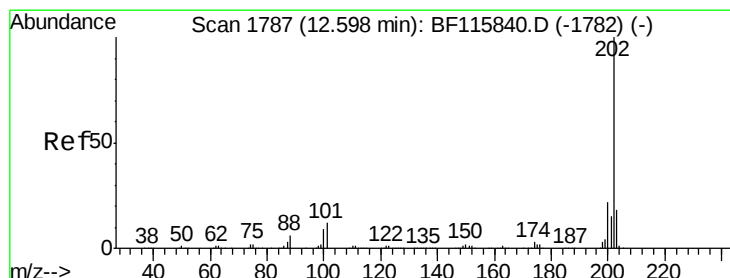
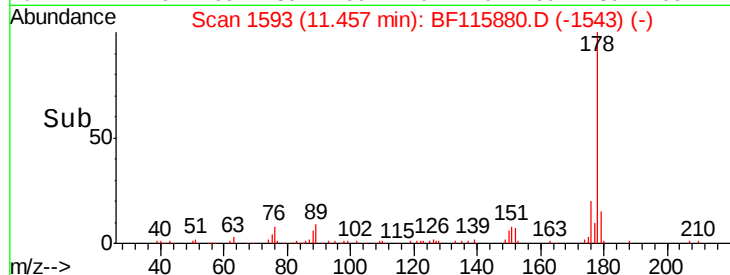
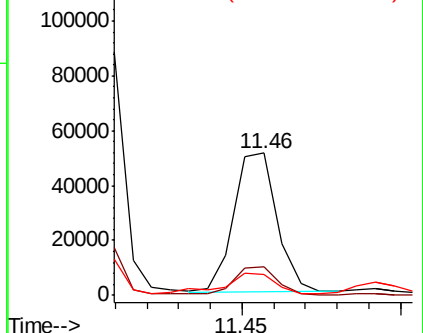
Tot Ion:	178	Resp:	48183
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.7	23.5
179	15.0	12.4	18.6

Manual Integrations
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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: 18.873 ng

RT: 12.59 min Scan# 1786

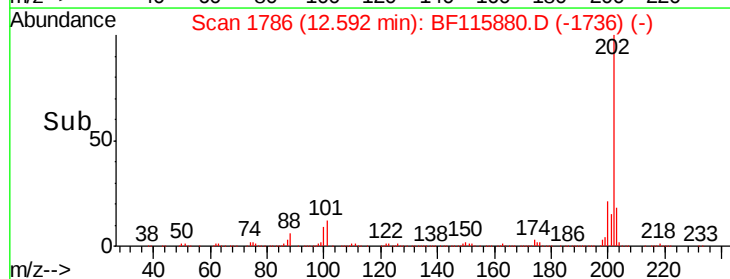
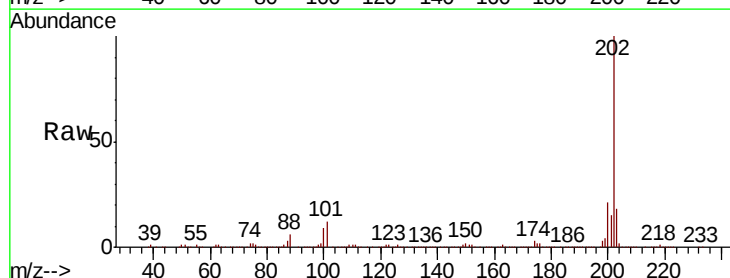
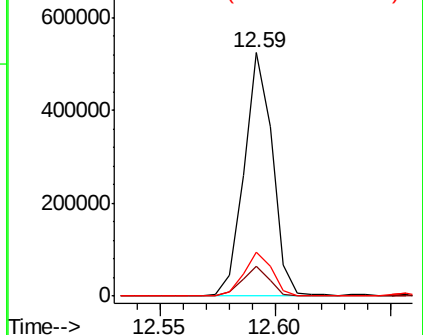
Delta R.T. -0.01 min

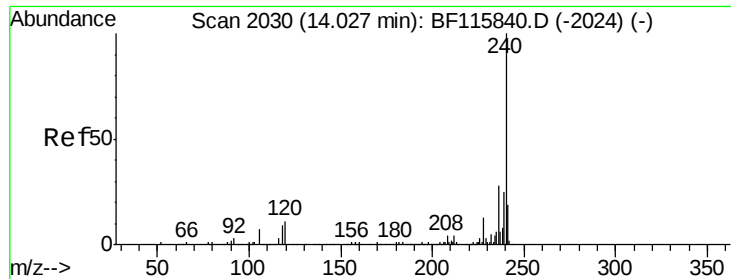
Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Tgt Ion:	202	Resp:	449368
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	31.5
203	18.1	0.0	37.9

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: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

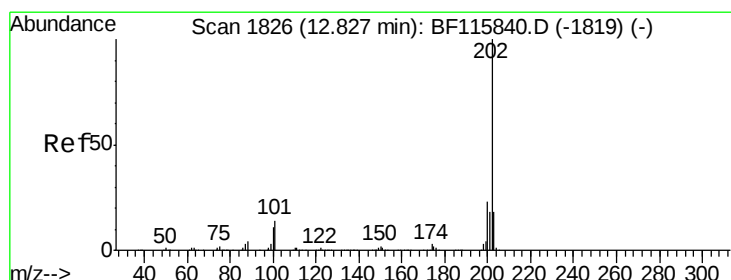
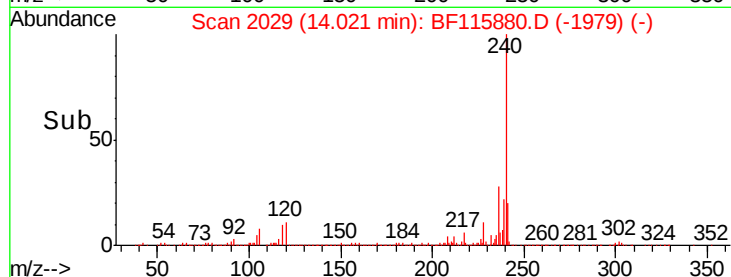
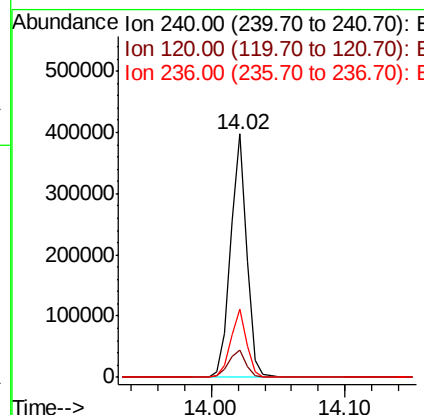
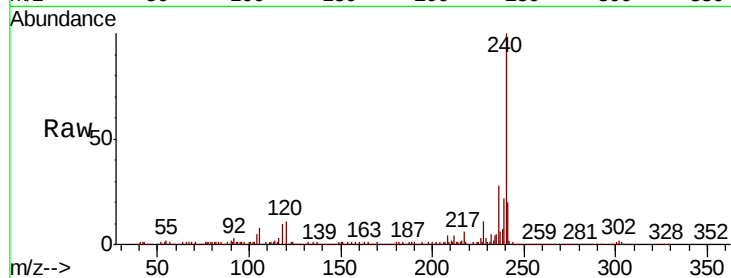
ClientSampled :

TP-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.5	12.7
236	28.1	22.2	33.2

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#78

Pyrene

Concen: 15.796 ng

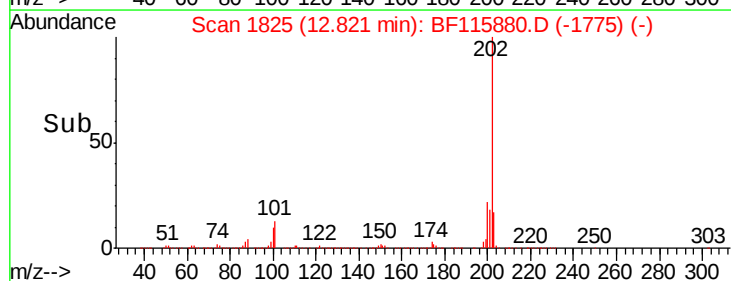
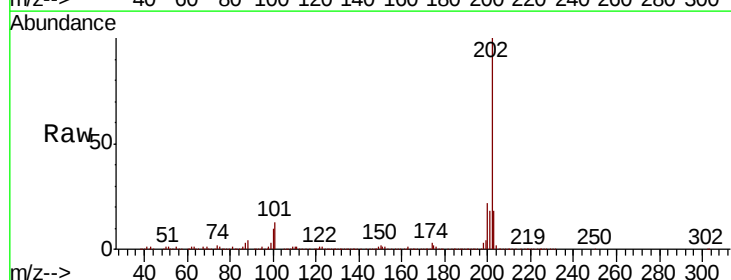
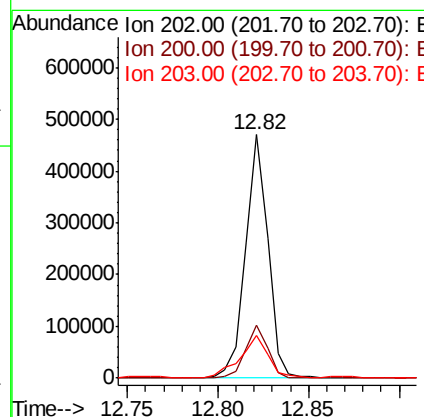
RT: 12.82 min Scan# 1825

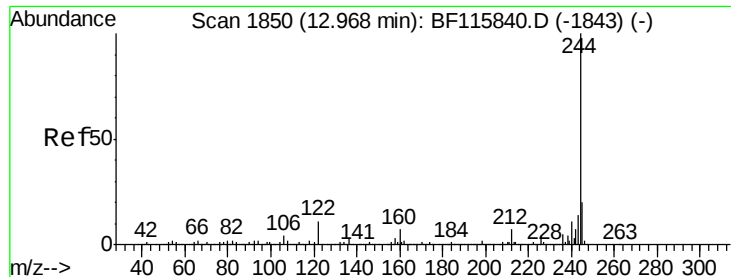
Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.2	27.2
203	17.7	14.3	21.5





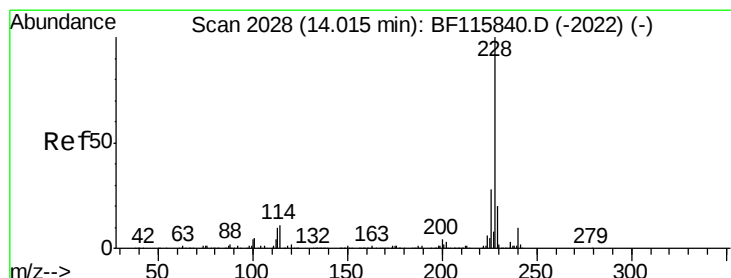
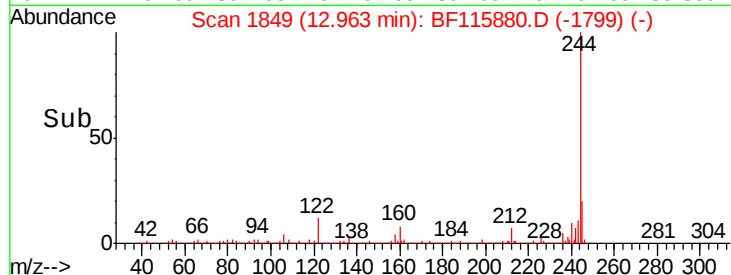
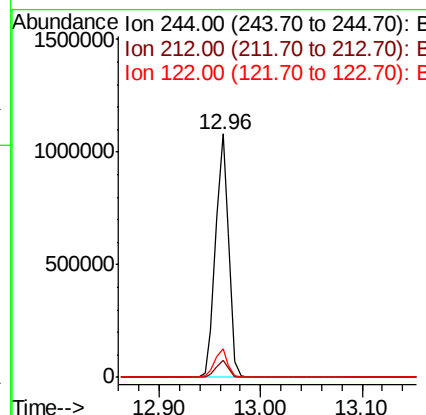
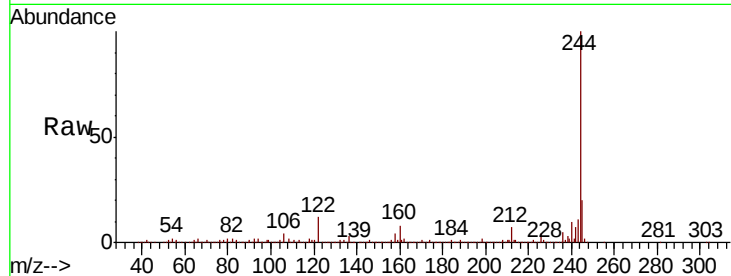
#79
 Terphenyl-d14
 Concen: 60.835 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.9	8.6	13.0

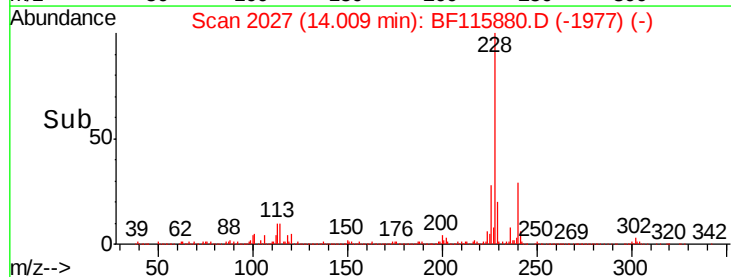
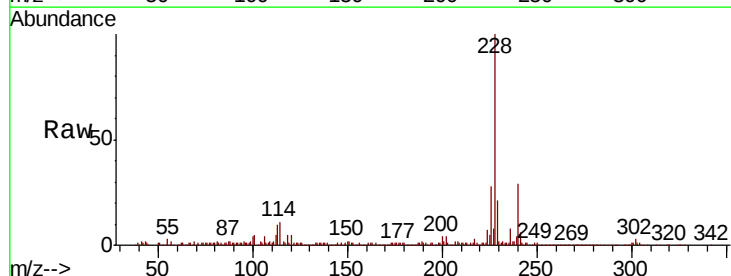
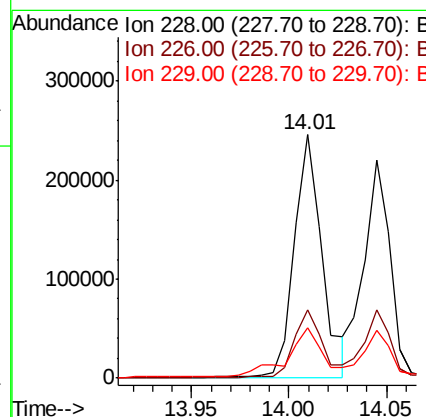
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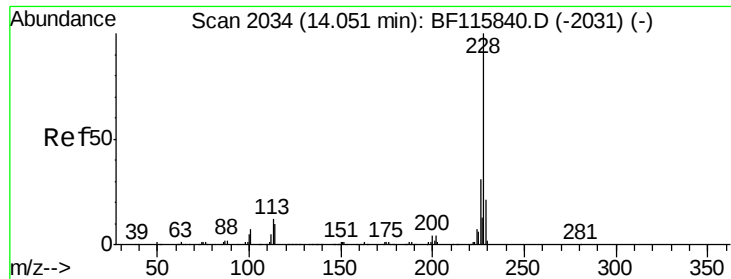
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#81
 Benzo(a)anthracene
 Concen: 11.261 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	20.5	16.1	24.1





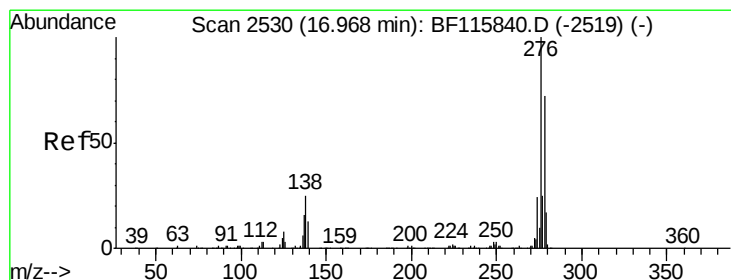
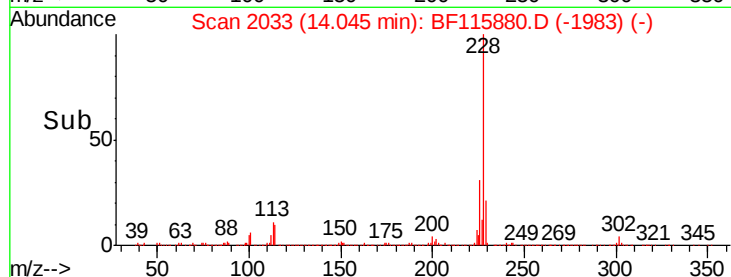
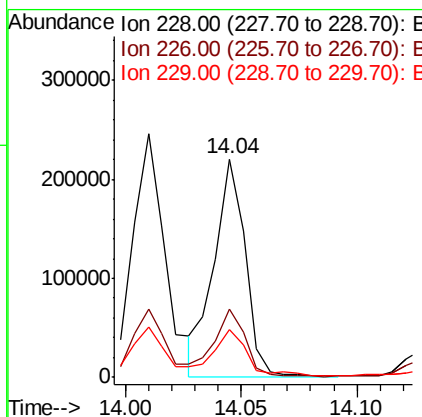
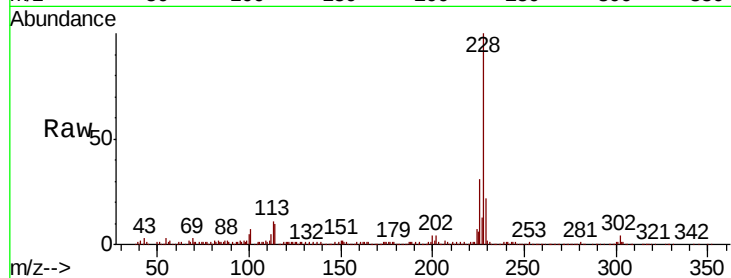
#83
Chrysene
Concen: 9.849 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	21.9	16.4	24.6

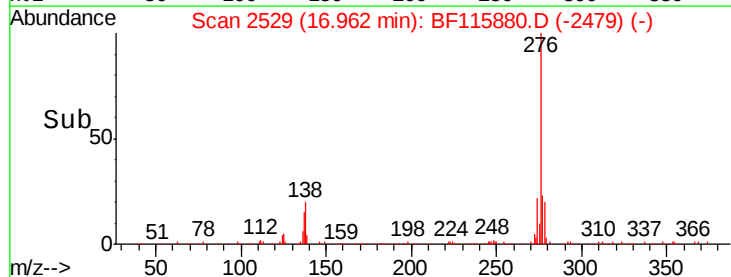
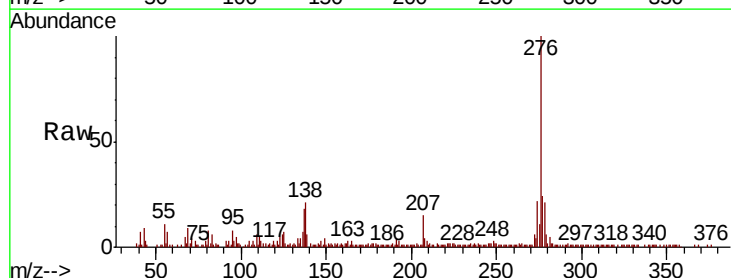
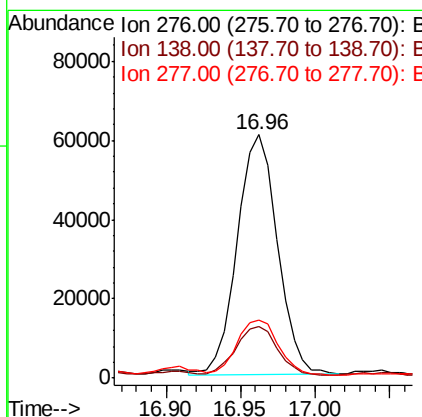
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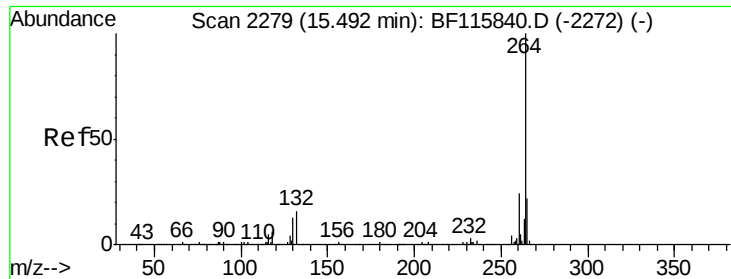
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.477 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.6	29.4
277	23.7	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

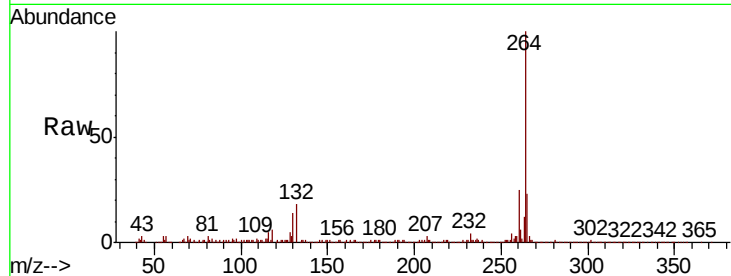
ClientSampleId :

TP-8

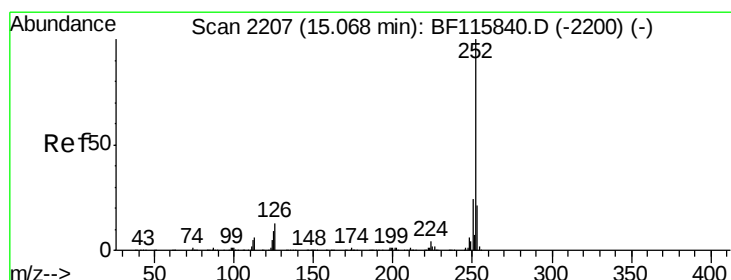
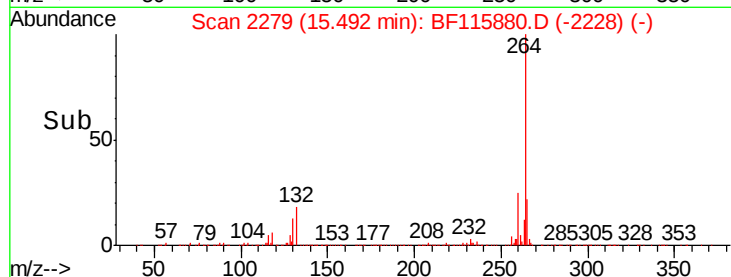
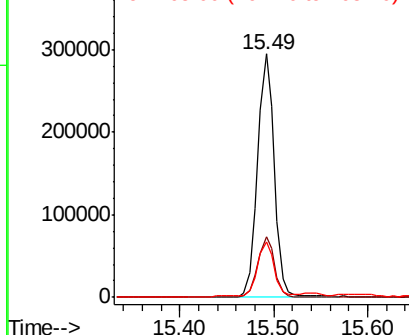
Tot Ion:	264	Resp:	363115
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.2
265	22.6	17.5	26.3

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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: 14.311 ng m

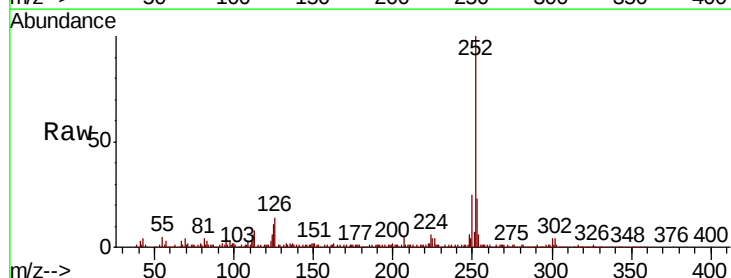
RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

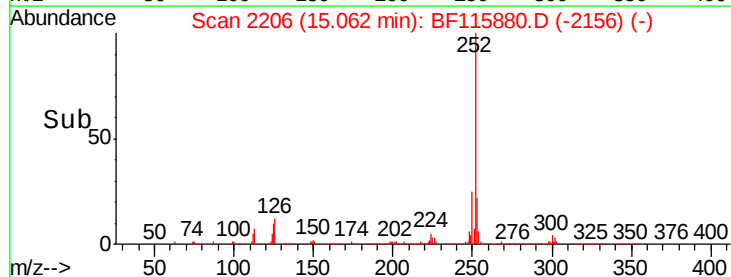
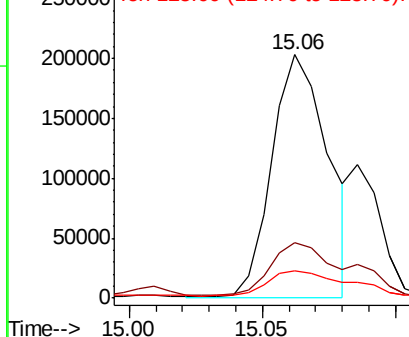
Lab File: BF115880.D

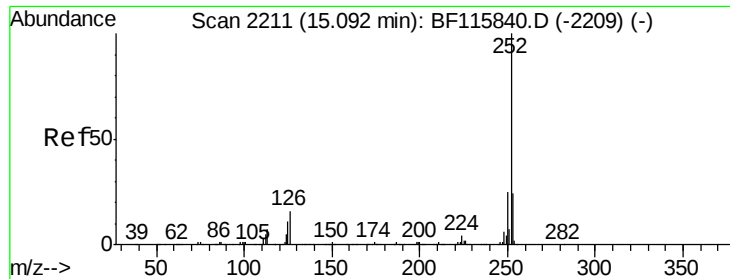
Acq: 31 Jul 2019 21:40

Tgt Ion:	252	Resp:	300472
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	11.4	7.4	11.0#



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





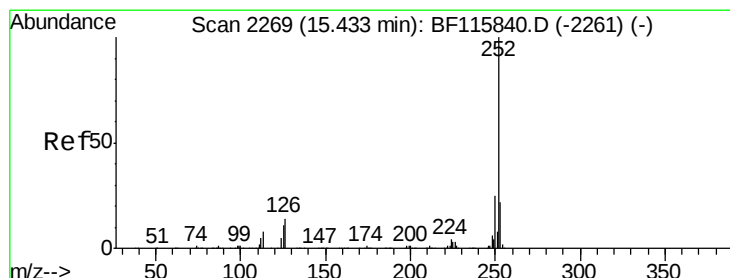
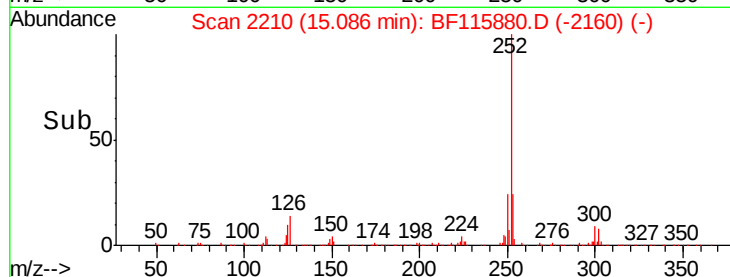
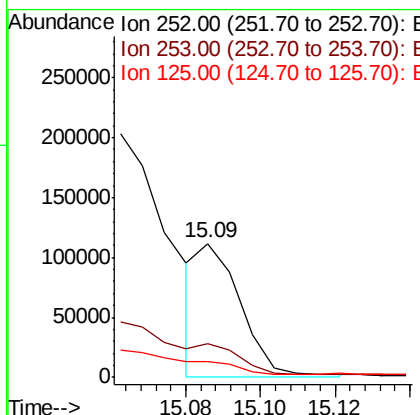
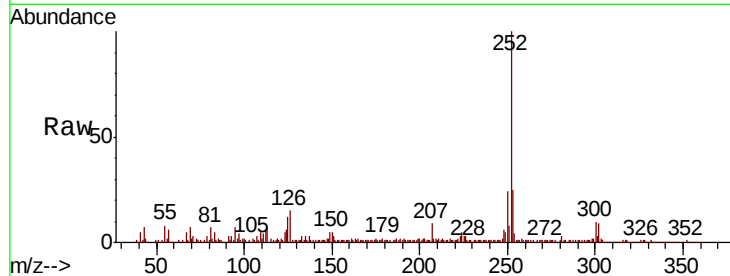
#89
Benzo(k)fluoranthene
Concen: 4.342 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.4
125	12.1	8.9	13.3

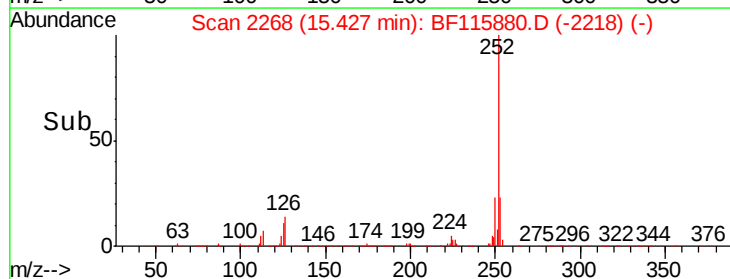
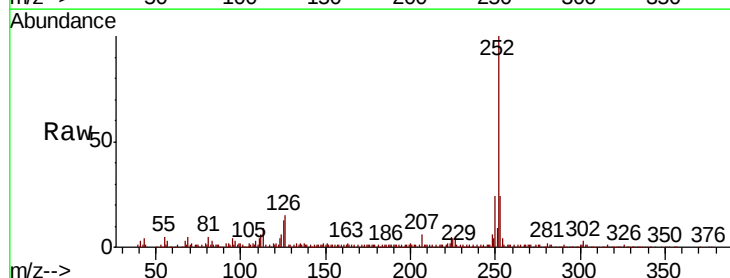
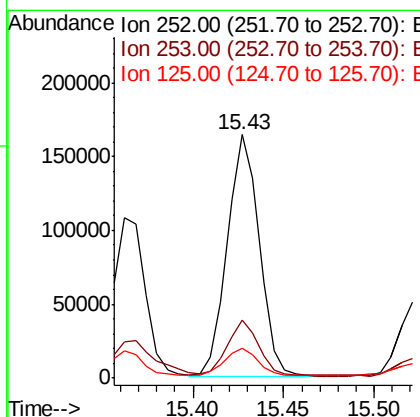
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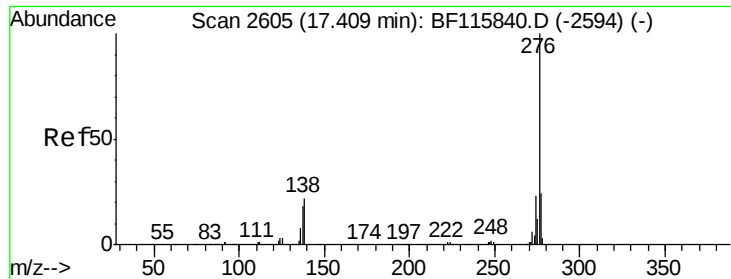
mohammad
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#90
Benzo(a)pyrene
Concen: 10.789 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.5	8.8	13.2





#92
 Benzo(a,h,i)perylene
 Concen: 6.518 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion:	276	Resp:	104000
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.5	29.3
138	22.9	17.8	26.8

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