

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115612.D
 Acq On : 16 Jul 2019 21:58
 Operator : HP/JU
 Sample : K3776-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-006-B

Manual Integrations
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 7/17/2019 12:07:05 PM

Quant Time: Jul 17 06:03:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	153207	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	565279	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	248687	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	497215	20.00	ng	0.00
76) Chrysene-d12	14.04	240	355992	20.00	ng	0.00
87) Perylene-d12	15.53	264	271672	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	243746	26.02	ng	0.00
7) Phenol-d6	6.50	99	479688	40.36	ng	-0.01
23) Nitrobenzene-d5	7.44	82	283988	29.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	35308	12.16	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	509969	35.89	ng	-0.01
79) Terphenyl-d14	12.99	244	637069	33.02	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.63	163	72973	3.900	ng	99
71) Phenanthrene	11.43	178	161198	6.325	ng	96
75) Fluoranthene	12.62	202	281421	10.449	ng	99
78) Pyrene	12.85	202	269955	8.950	ng	97
81) Benzo(a)anthracene	14.03	228	104490	4.455	ng	94
83) Chrysene	14.07	228	110344	4.687	ng	# 93
88) Benzo(b)fluoranthene	15.09	252	85619m	4.894	ng	
89) Benzo(k)fluoranthene	15.12	252	32050m	2.055	ng	
90) Benzo(a)pyrene	15.46	252	55818	3.712	ng	# 66
92) Benzo(g,h,i)perylene	17.46	276	44186	3.357	ng	# 74

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

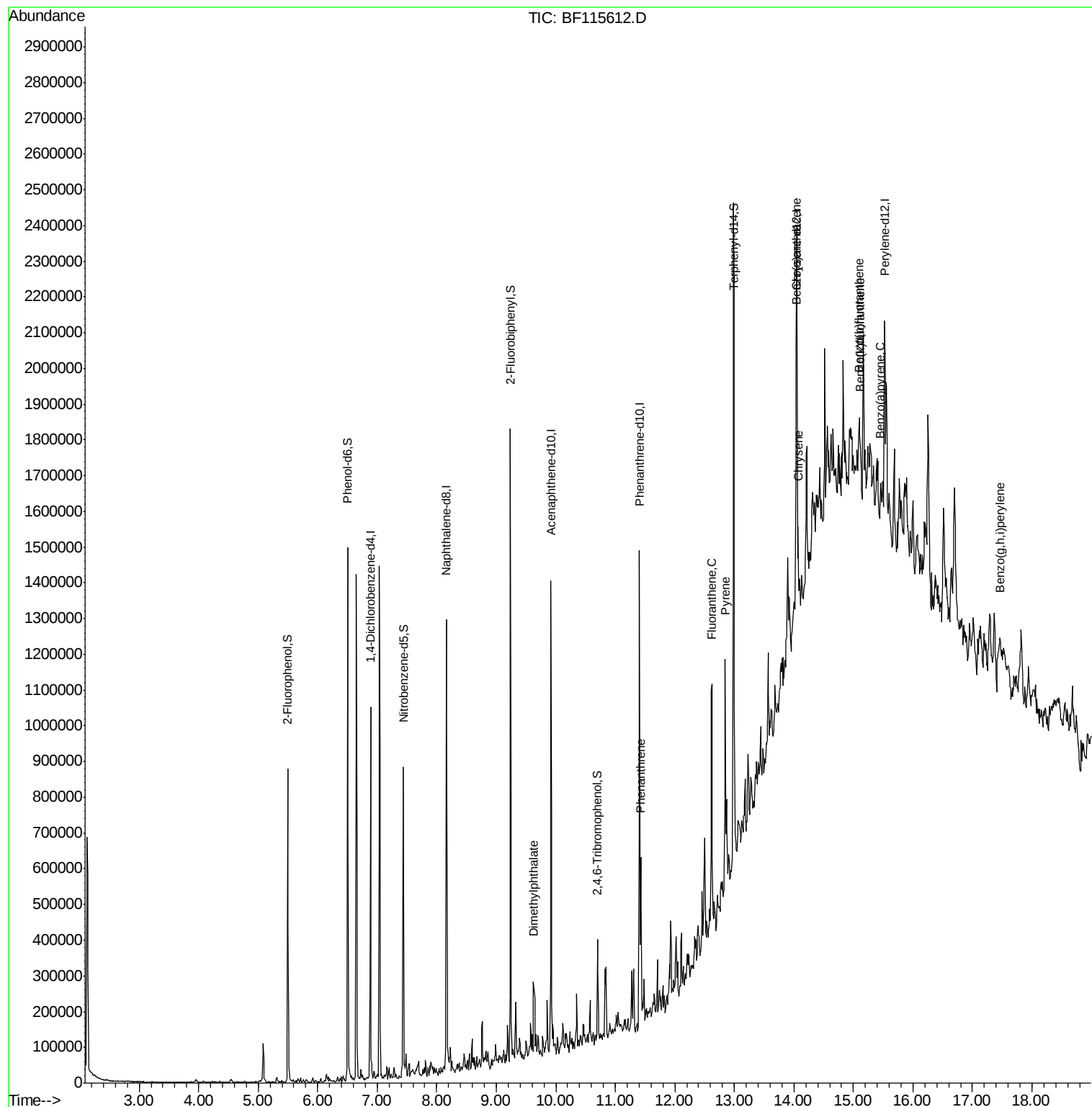
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115612.D
Acq On : 16 Jul 2019 21:58
Operator : HP/JU
Sample : K3776-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

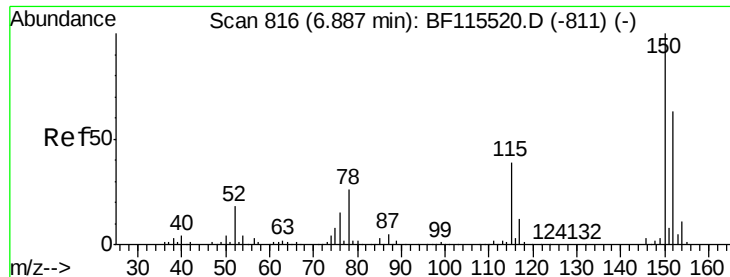
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

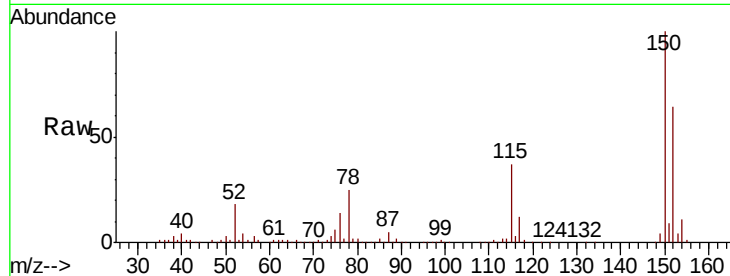
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	129.7	194.5
115	57.4	48.2	72.4

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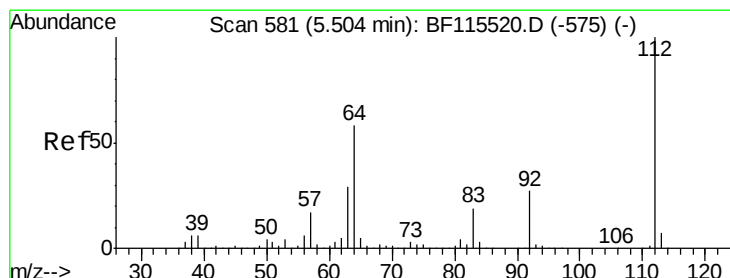
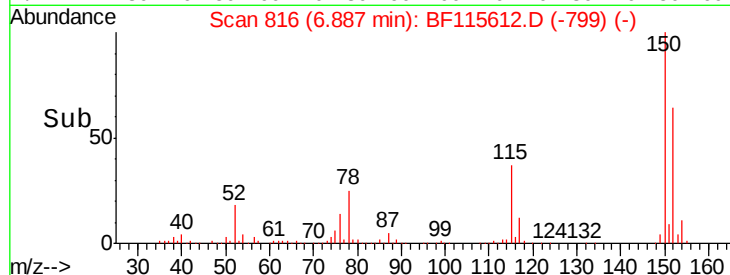
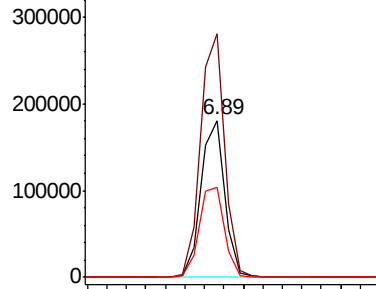


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

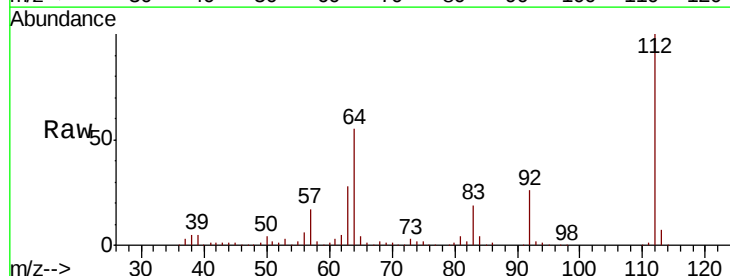
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.023 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.8	70.2
63	28.1	24.1	36.1

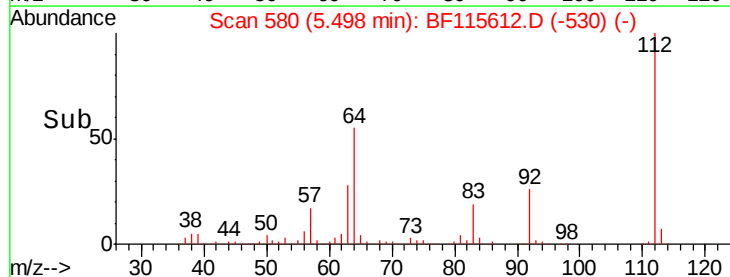
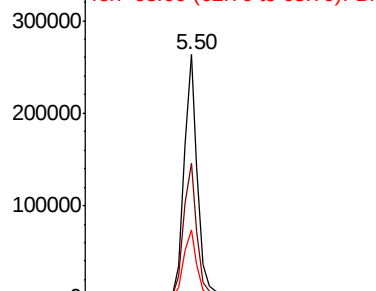


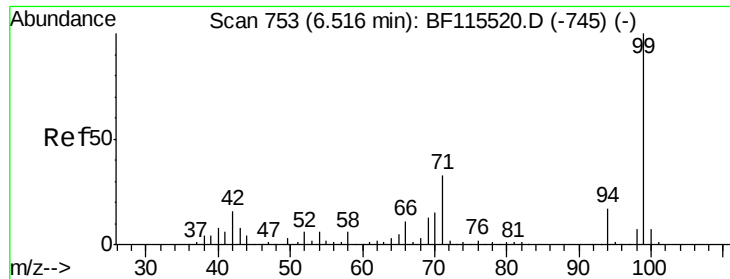
Abundance

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: 40.361 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Instrument :

BNA_F

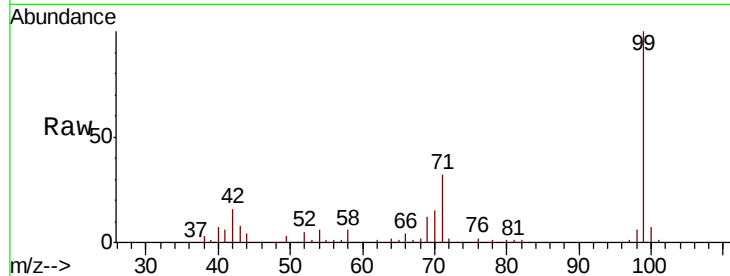
ClientSampleId :

FK-SF-01-006-B

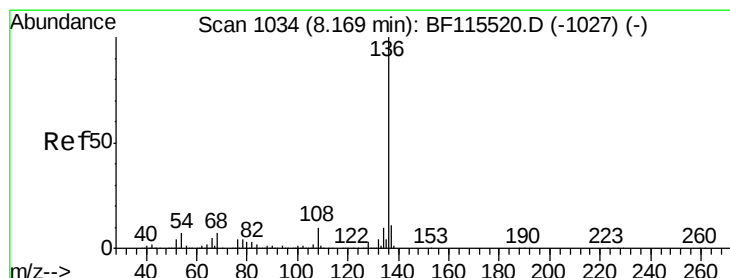
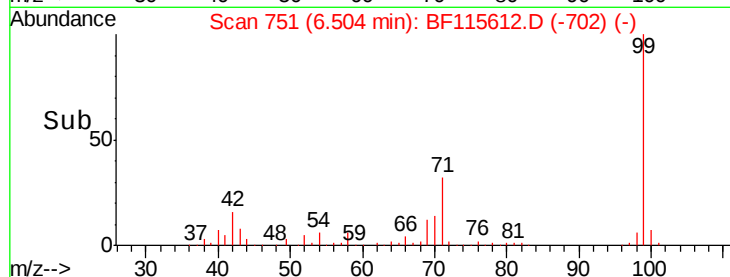
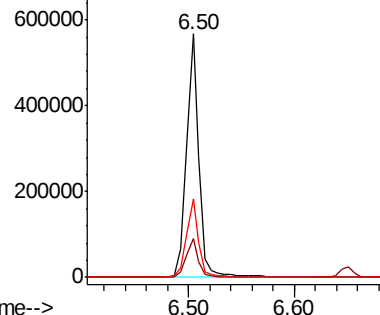
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		479688		
42	16.2	13.6	20.4		
71	32.2	28.5	42.7		

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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: 8.16 min Scan# 1033

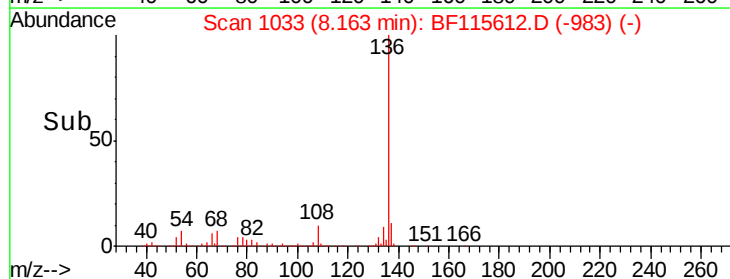
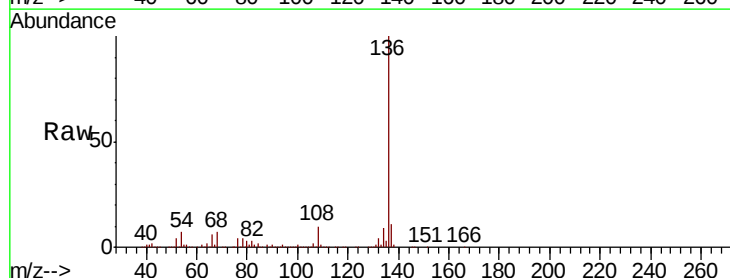
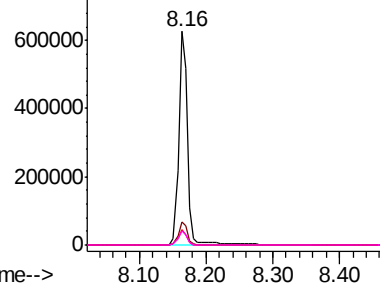
Delta R.T. -0.01 min

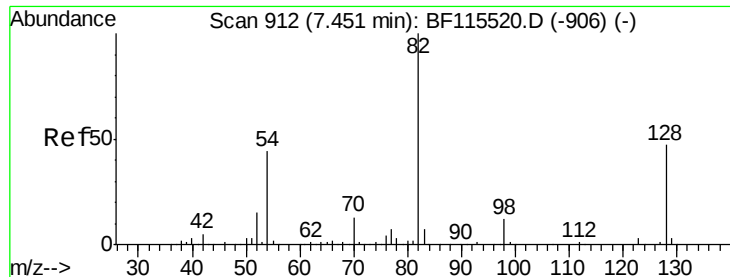
Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		565279		
137	11.0	9.0	13.4		
54	7.4	5.6	8.4		
68	6.8	5.0	7.6		

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





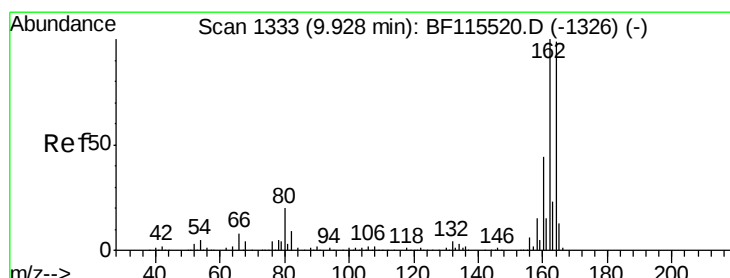
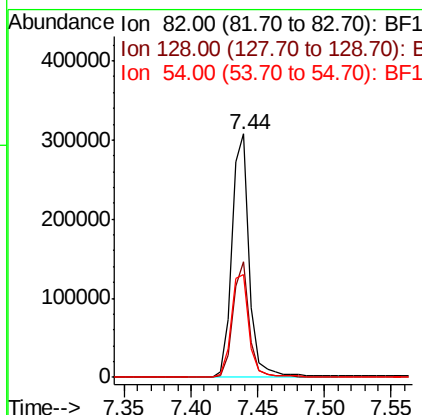
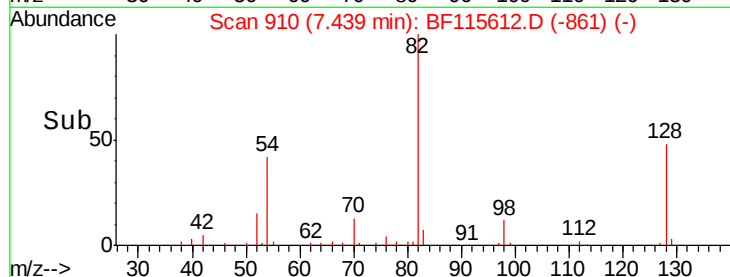
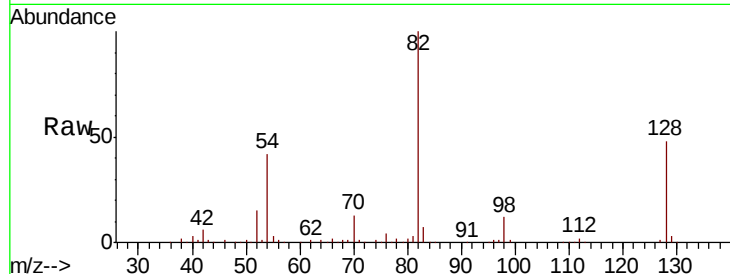
#23
Nitrobenzene-d5
Concen: 29.212 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	283988		
128	47.7		38.6	57.8
54	42.4		35.6	53.4

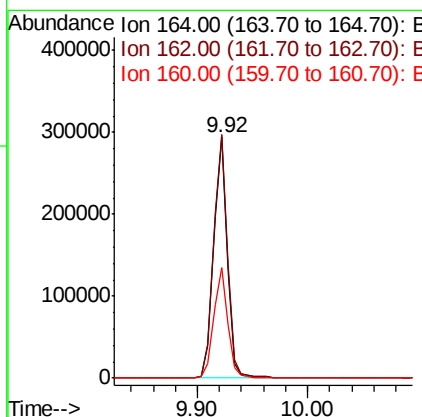
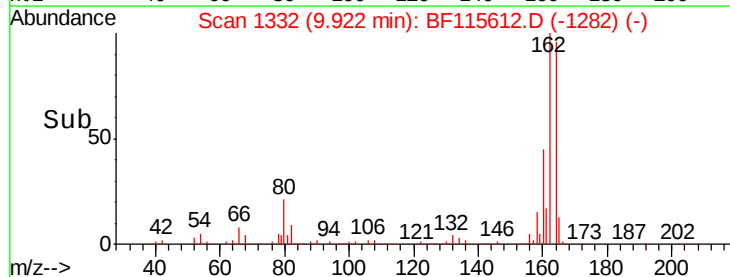
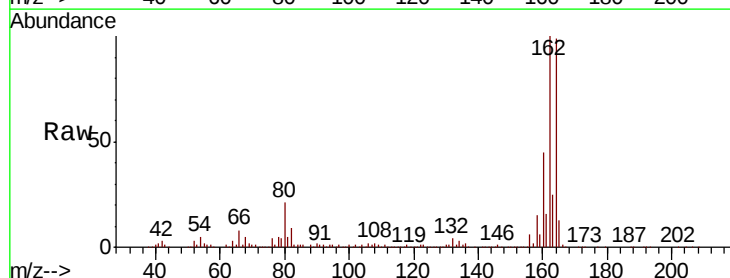
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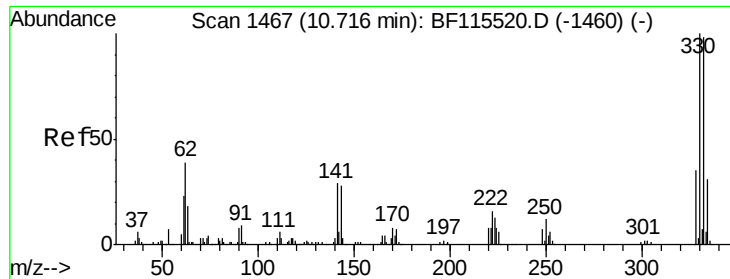
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248687		
162	101.1		82.9	124.3
160	45.8		36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 12.164 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Instrument :

BNA_F

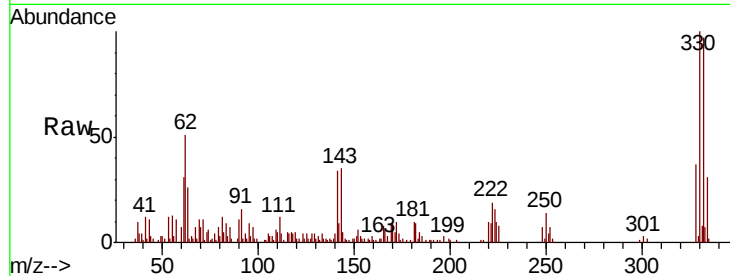
ClientSampleId :

FK-SF-01-006-B

Tot Ion:	330	Resp:	35308
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.4	116.2
141	32.3	22.4	33.6

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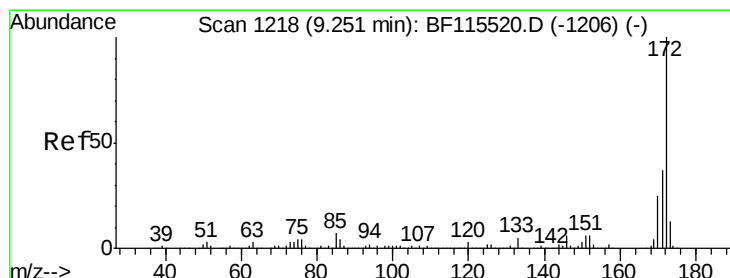
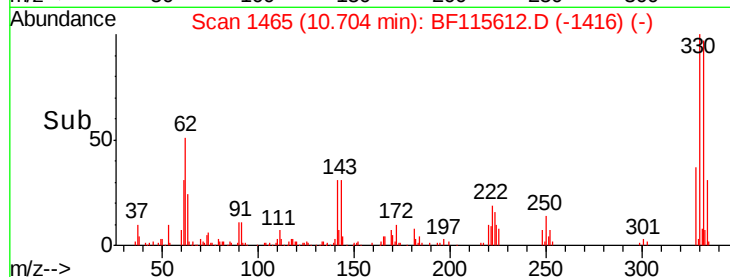
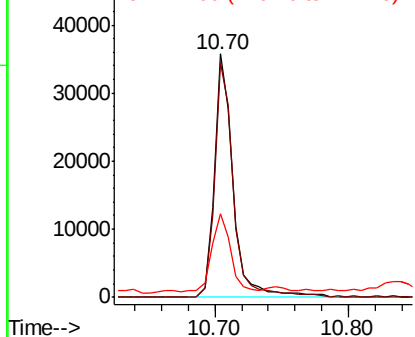


Abundance

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: 35.892 ng

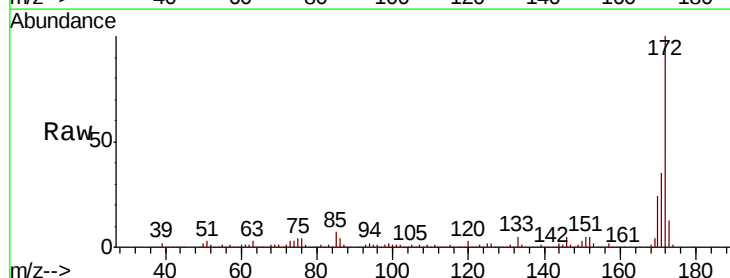
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Tgt Ion:	172	Resp:	509969
Ion Ratio	Lower	Upper	
172	100		
171	35.1	30.6	46.0
170	24.1	20.5	30.7

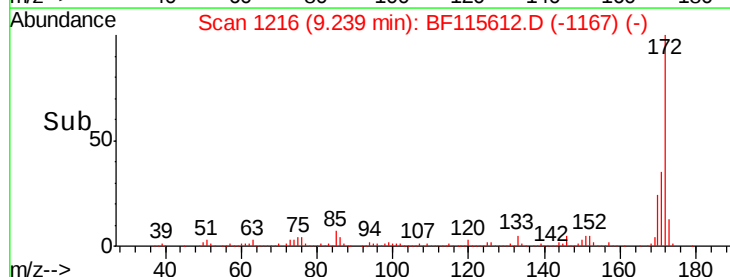
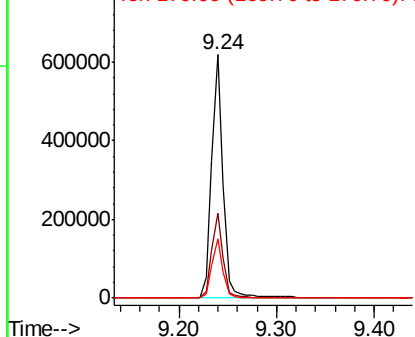


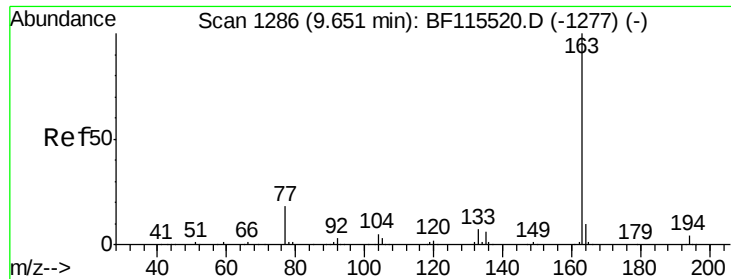
Abundance

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





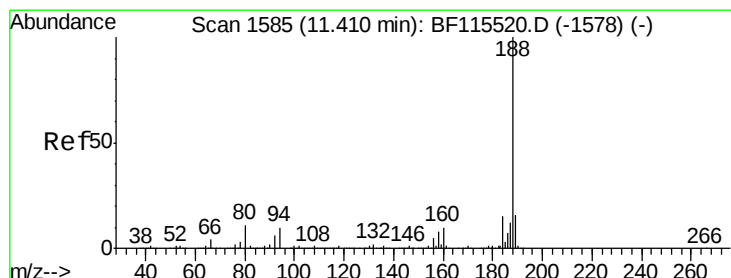
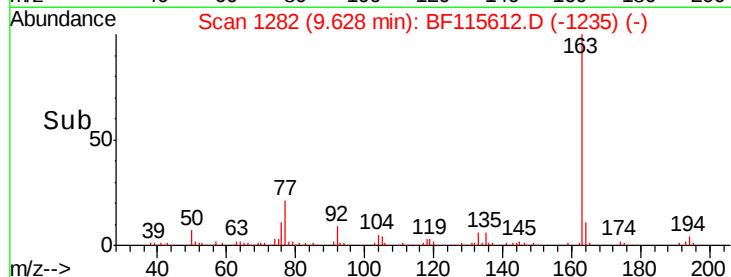
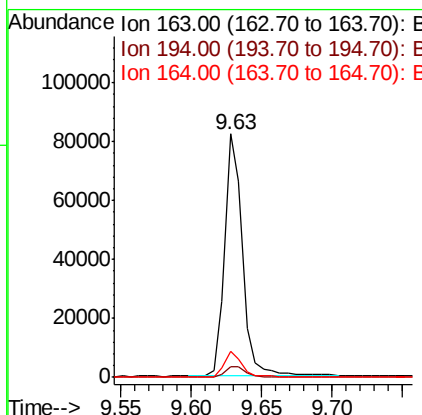
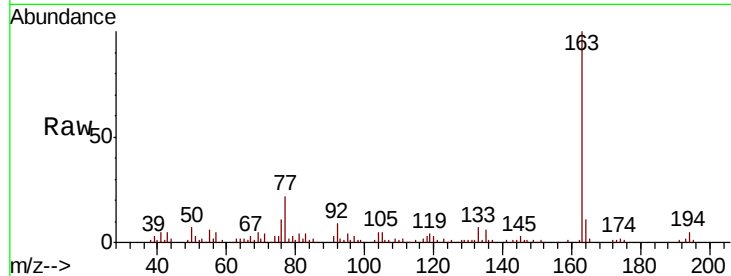
#50
Dimethylphthalate
Concen: 3.900 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.6	8.7	13.1

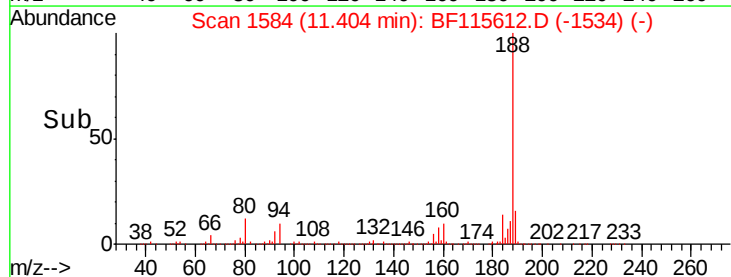
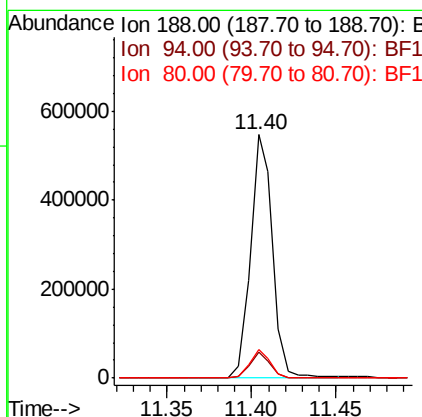
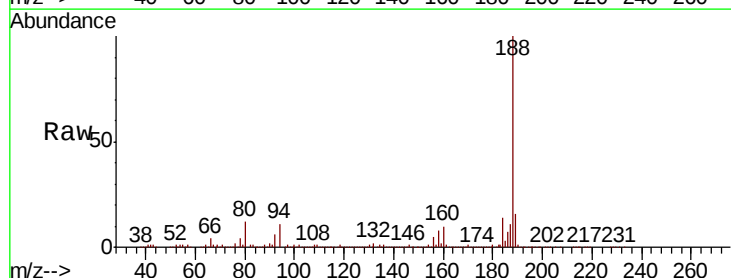
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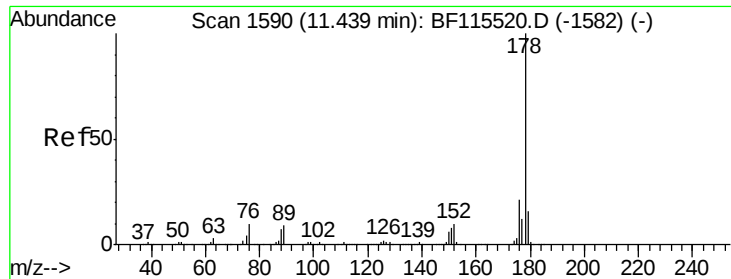
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.8	8.6	13.0





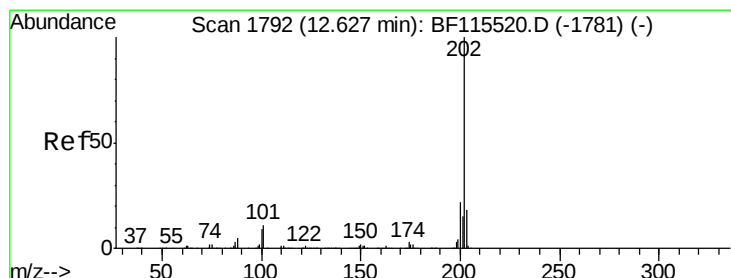
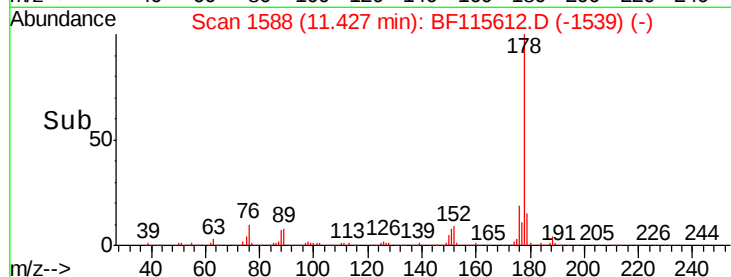
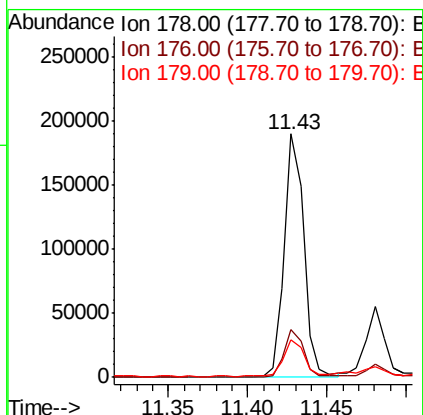
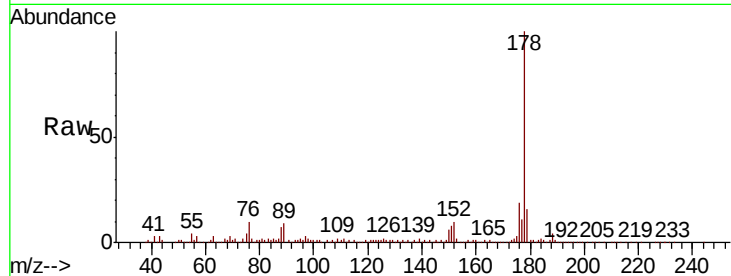
#71
Phenanthrene
Concen: 6.325 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.5	13.5	20.3

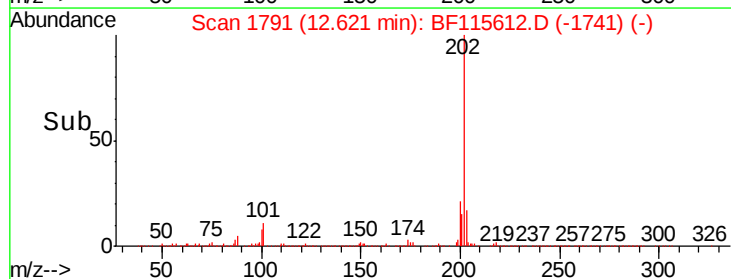
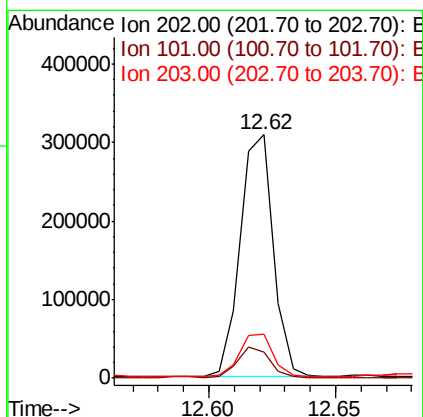
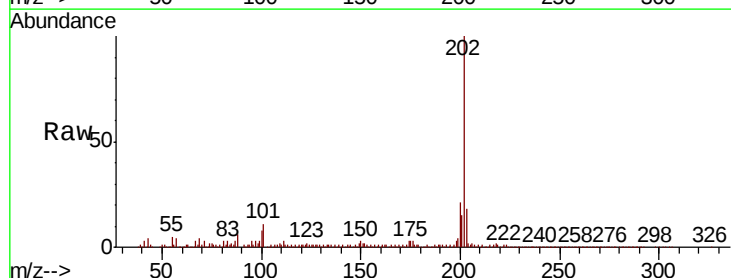
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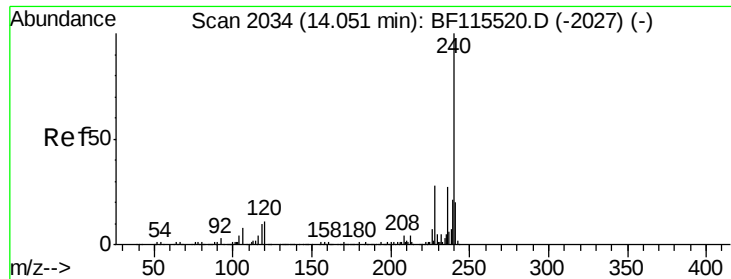
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#75
Fluoranthene
Concen: 10.449 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.8	0.0	38.1





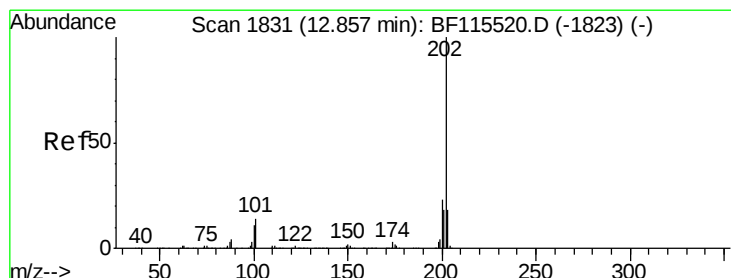
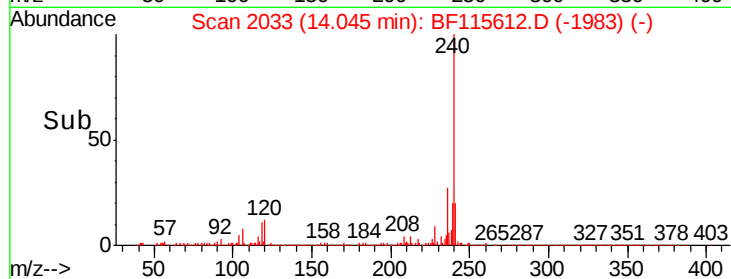
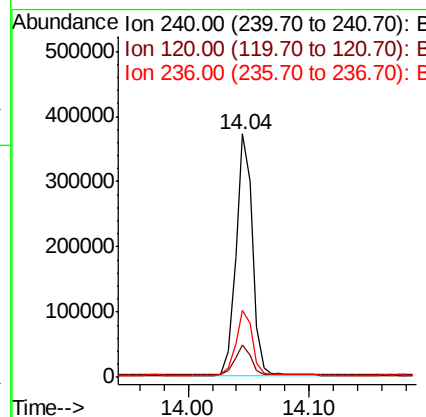
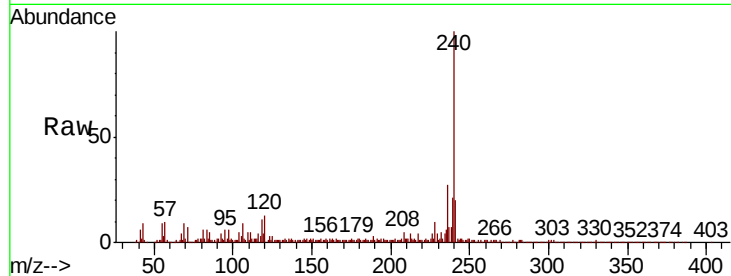
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.2	8.6	13.0	
236	27.4	21.3	31.9	

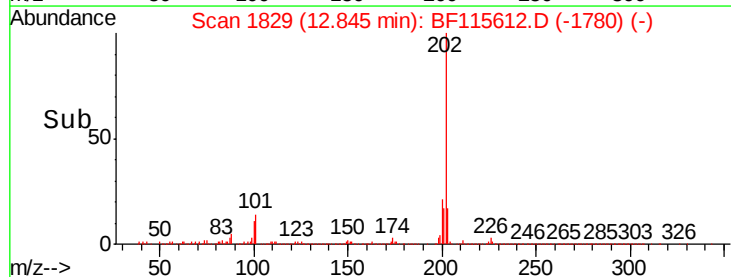
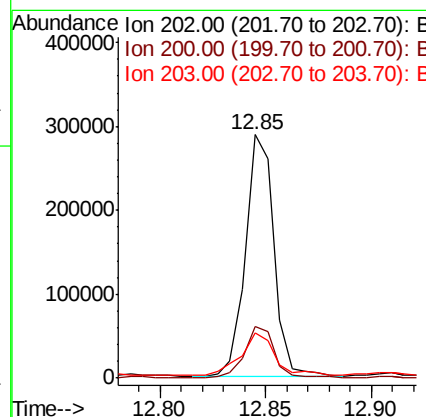
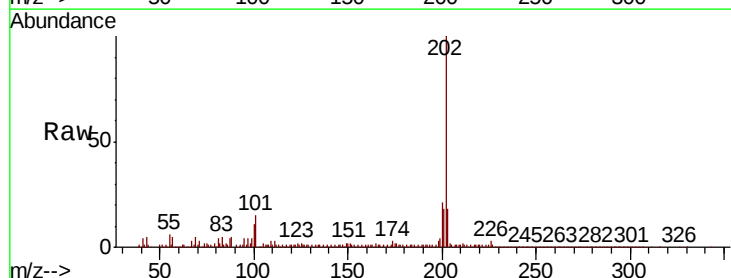
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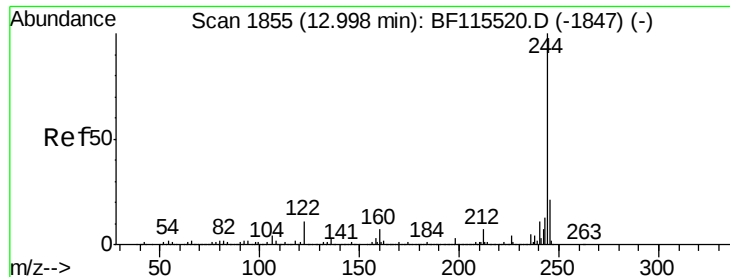
mohammad
7/17/2019 12:07:05 PM



#78
Pyrene
Concen: 8.950 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	18.7	28.1	
203	18.4	15.2	22.8	





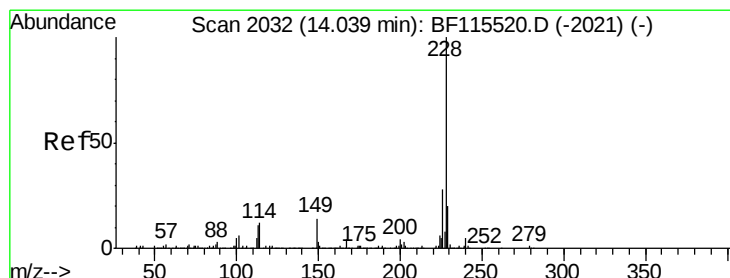
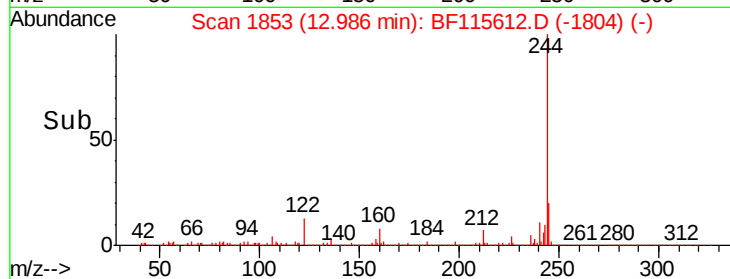
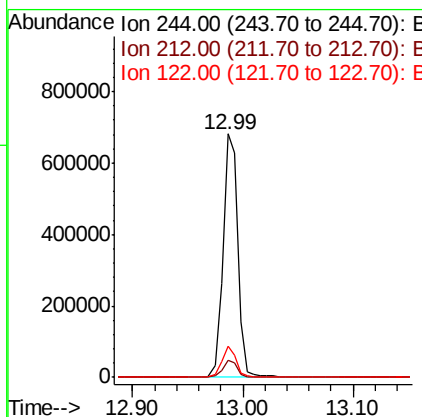
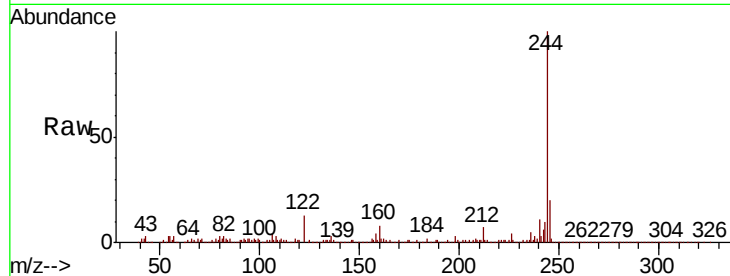
#79
 Terphenyl-d14
 Concen: 33.020 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF115612.D
 Acq: 16 Jul 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-006-B

Tot Ion:	244	Resp:	637069
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	12.8	8.6	12.8

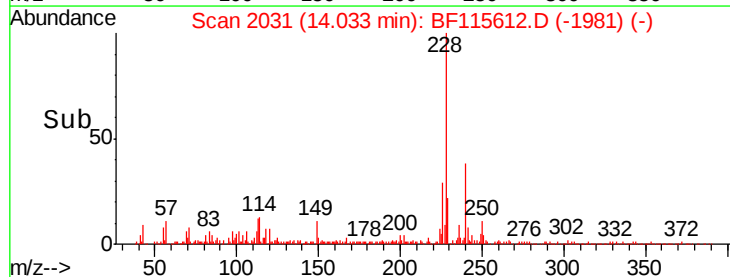
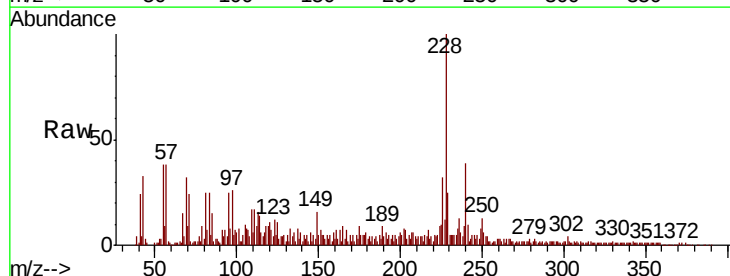
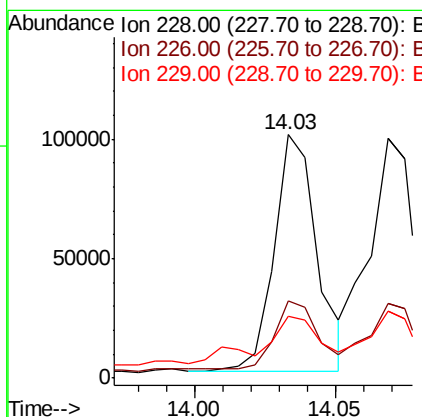
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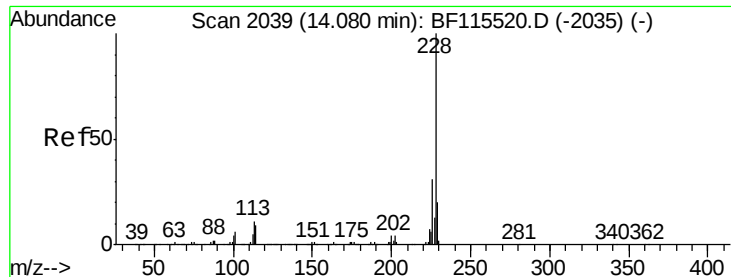
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.455 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF115612.D
 Acq: 16 Jul 2019 21:58

Tgt Ion:	228	Resp:	104490
Ion Ratio	Lower	Upper	
228	100		
226	31.7	23.4	35.0
229	25.3	17.2	25.8





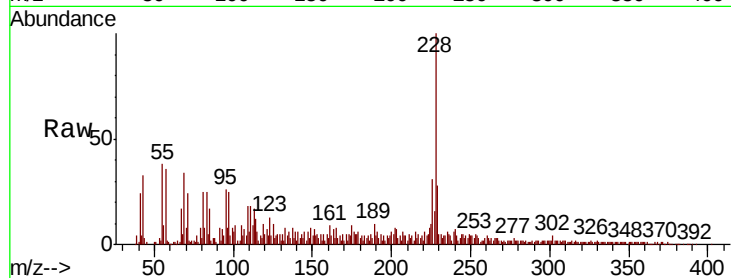
#83
Chrysene
Concen: 4.687 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.7	38.5
229	28.0	16.6	25.0

Manual Integrations
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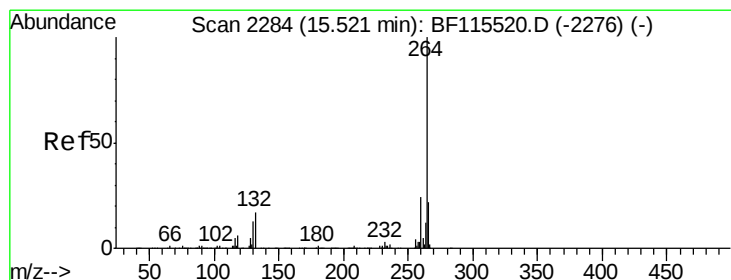
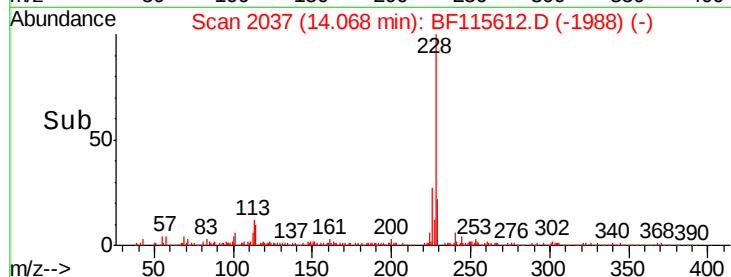
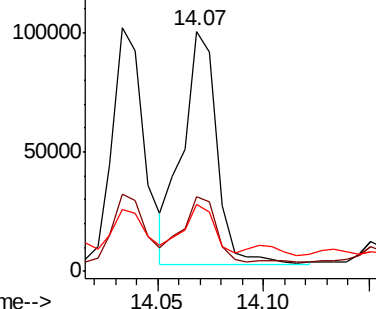


Abundance

Ion 228.00 (227.70 to 228.70): E

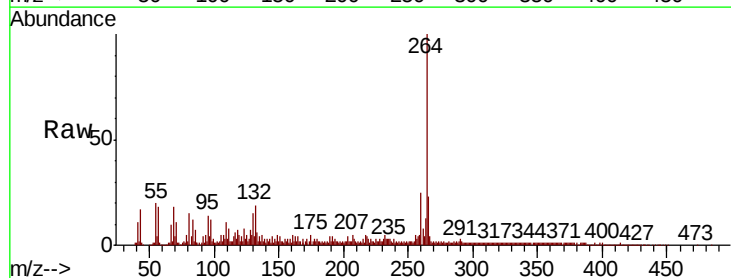
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.8	29.8
265	23.3	17.7	26.5

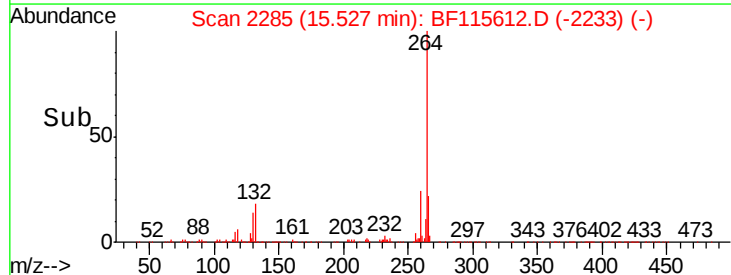
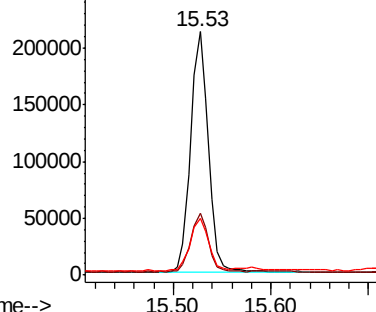


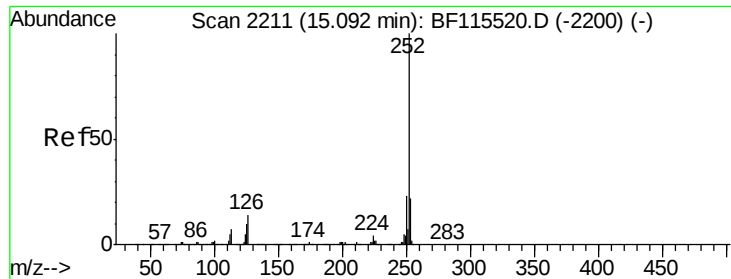
Abundance

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





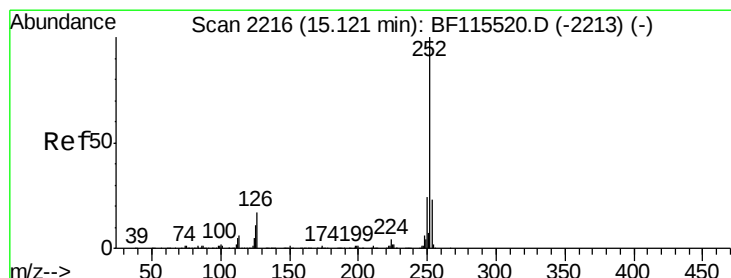
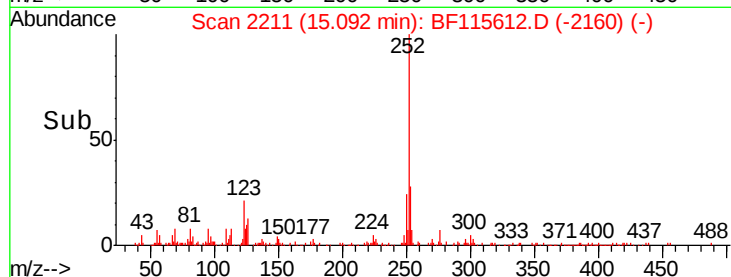
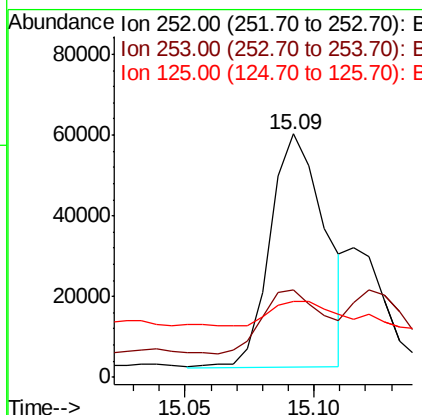
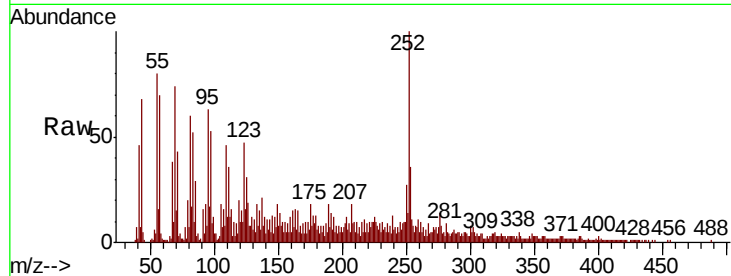
#88
Benzo(b)fluoranthene
Concen: 4.894 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.1	18.1	27.1#
125	31.3	9.0	13.4#

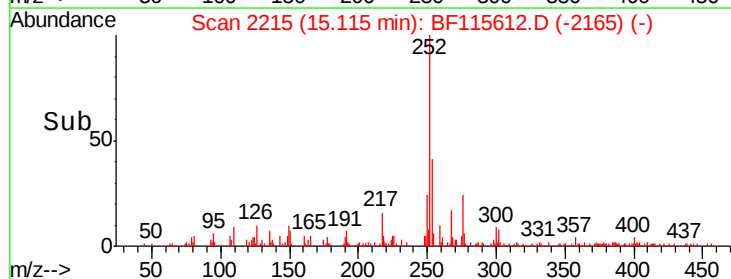
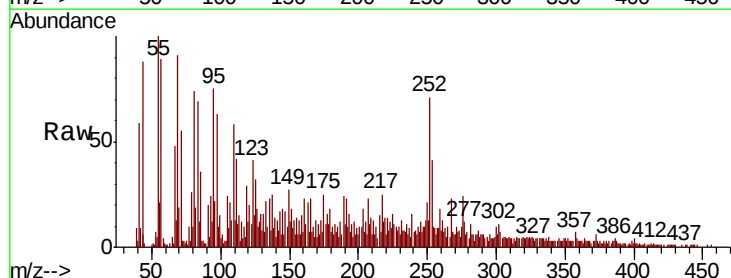
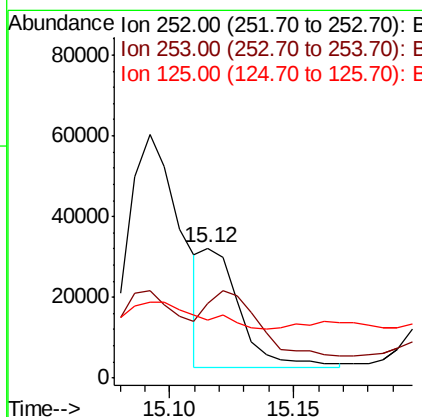
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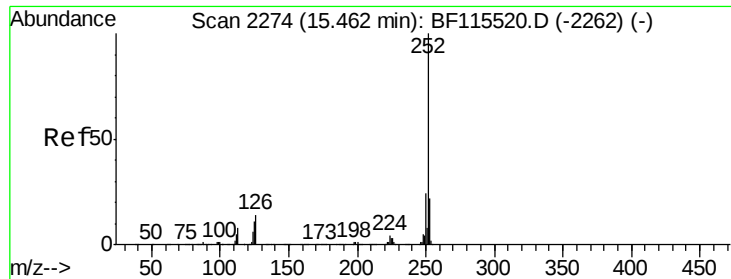
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.055 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	58.0	18.6	28.0#
125	44.9	9.0	13.6#





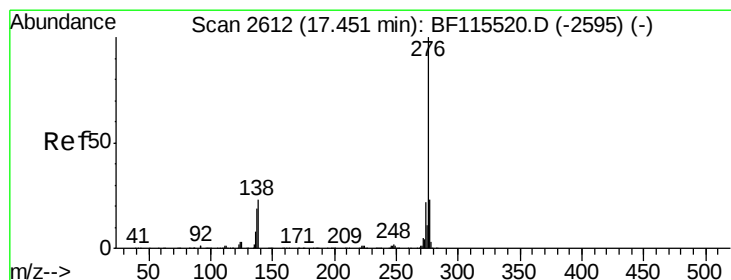
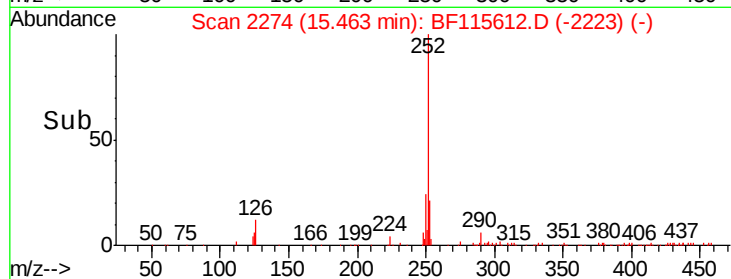
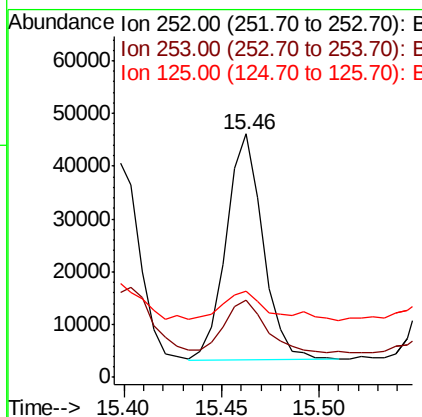
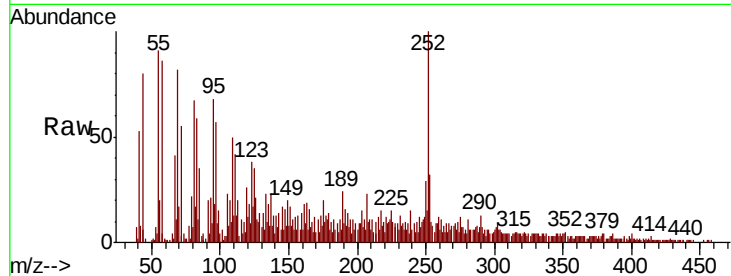
#90
Benzo(a)pyrene
Concen: 3.712 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-006-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.8	26.6#
125	35.5	9.1	13.7#

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#92
Benzo(g,h,i)perylene
Concen: 3.357 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	37.9	19.0	28.4#
138	32.4	17.2	25.8#

