

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116538.D
 Acq On : 25 Aug 2019 18:03
 Operator : HP/JU
 Sample : K4385-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T8-E1-E4-(0-2)

Manual Integrations
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 8/29/2019 7:53:22 AM

Quant Time: Aug 26 07:38:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	150532	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	544619	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	254620	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	341318	20.00	ng	0.00
76) Chrysene-d12	14.04	240	209213	20.00	ng	0.00
87) Perylene-d12	15.52	264	207659	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	844263	81.95	ng	0.01
7) Phenol-d6	6.52	99	1124358	89.01	ng	0.01
23) Nitrobenzene-d5	7.45	82	699984	70.32	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	176994	80.95	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1020305	64.53	ng	0.00
79) Terphenyl-d14	12.99	244	675161	60.28	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	89316	5.028	ng	99
71) Phenanthrene	11.42	178	132752	7.140	ng	99
75) Fluoranthene	12.61	202	224832	11.696	ng	97
78) Pyrene	12.84	202	196595	11.750	ng	98
81) Benzo(a)anthracene	14.03	228	93038	6.866	ng	96
83) Chrysene	14.06	228	93174m	6.784	ng	
84) Bis(2-ethylhexyl)phthalate	14.02	149	28447	2.952	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.98	276	49226	4.184	ng	97
88) Benzo(b)fluoranthene	15.08	252	121818m	9.496	ng	
89) Benzo(k)fluoranthene	15.10	252	36630m	3.152	ng	
90) Benzo(a)pyrene	15.45	252	80648	7.113	ng	# 87
92) Benzo(a,h,i)perylene	17.42	276	50911	5.732	ng	97

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

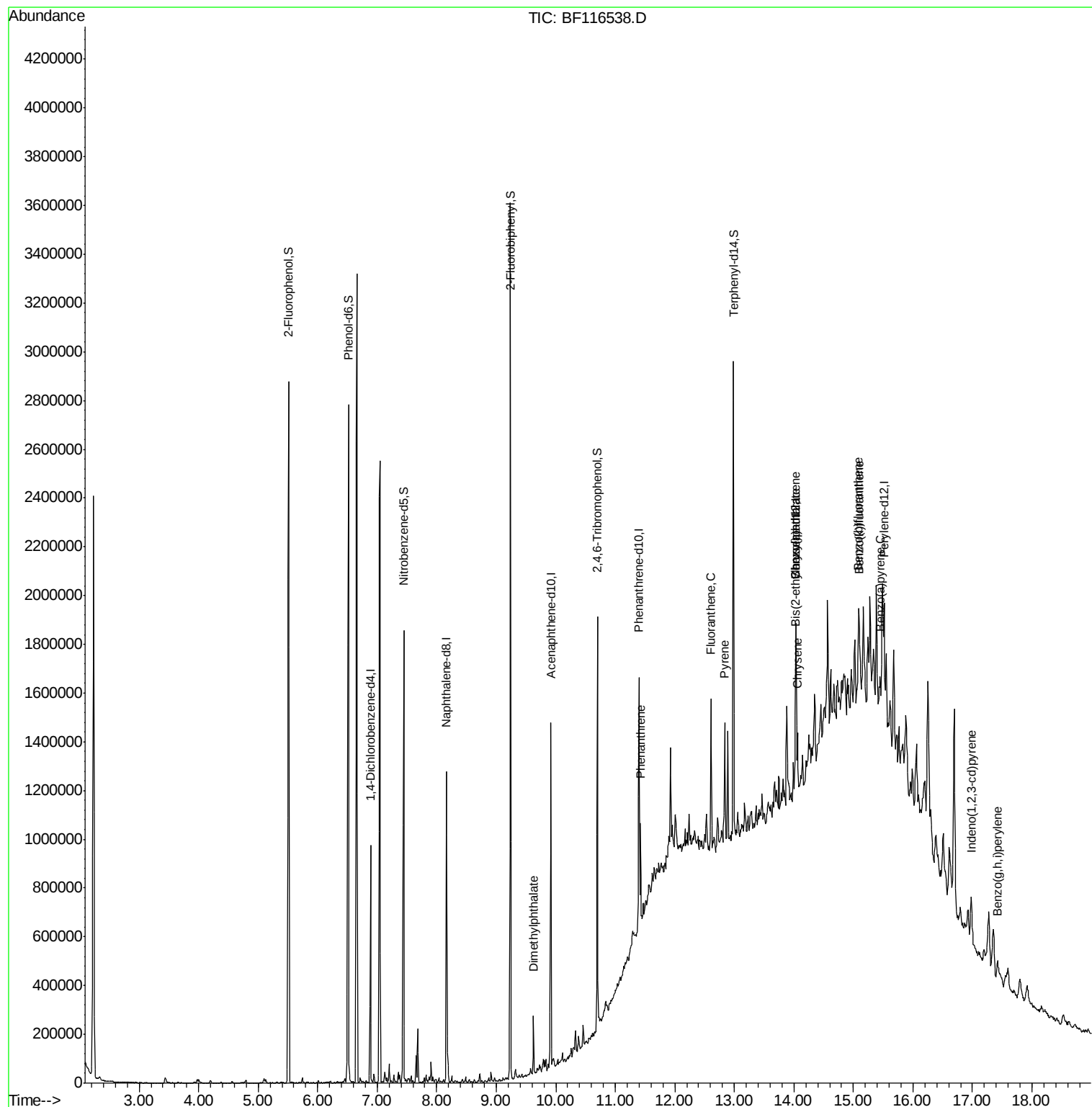
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116538.D
Acq On : 25 Aug 2019 18:03
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Misc :
ALS Vial : 14 Sample Multiplier: 1

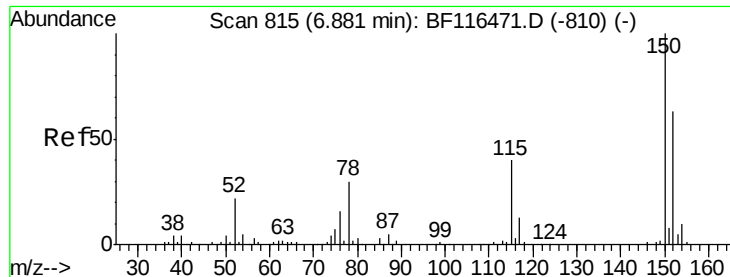
Instrument :
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T8-E1-E4-(0-2)

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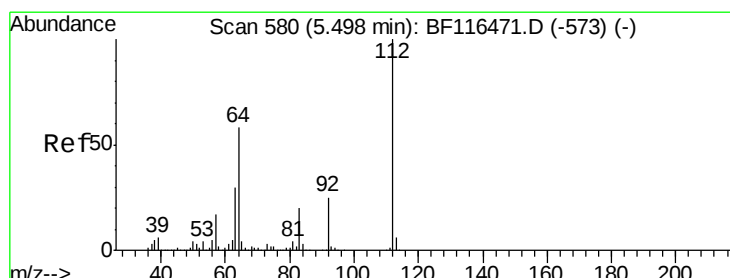
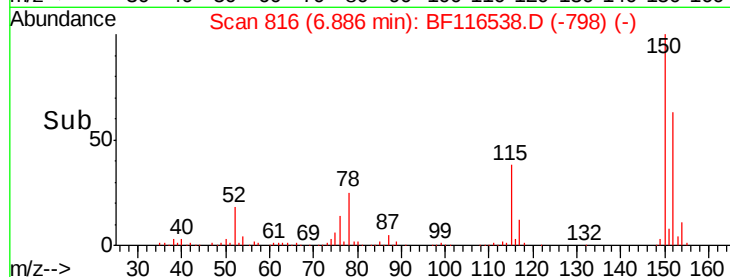
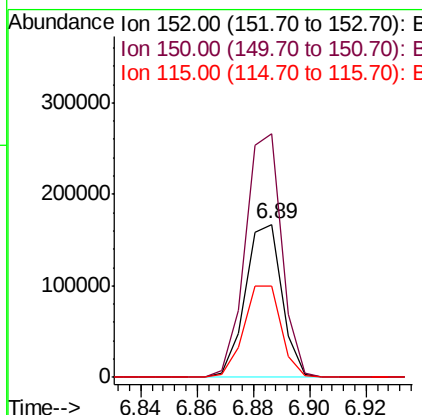
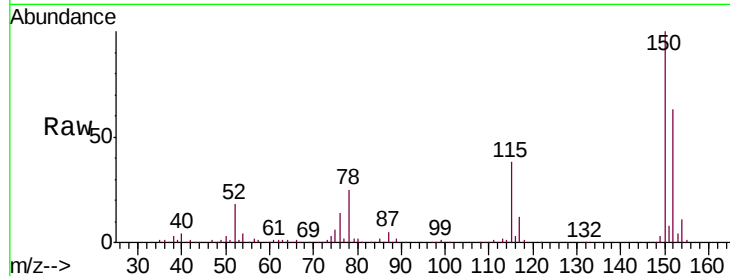
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 T8-E1-E4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.7	190.1
115	59.9	50.9	76.3

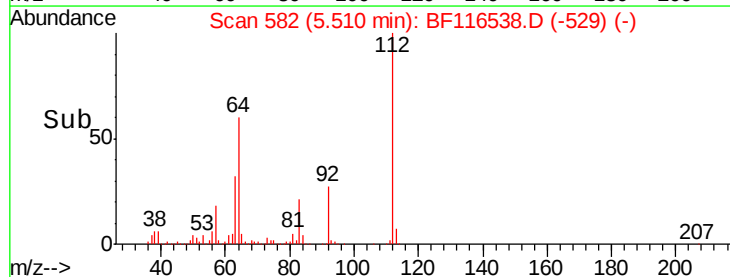
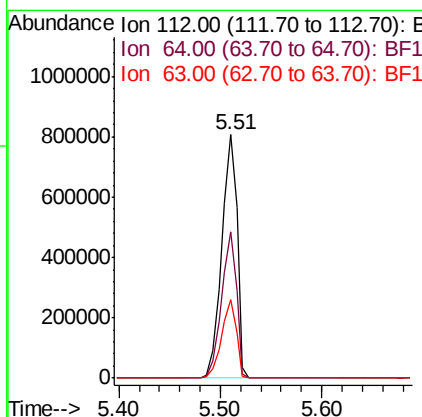
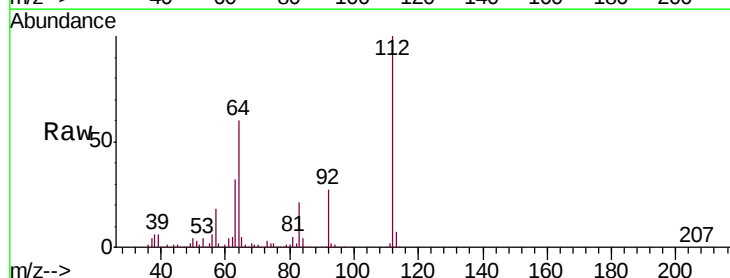
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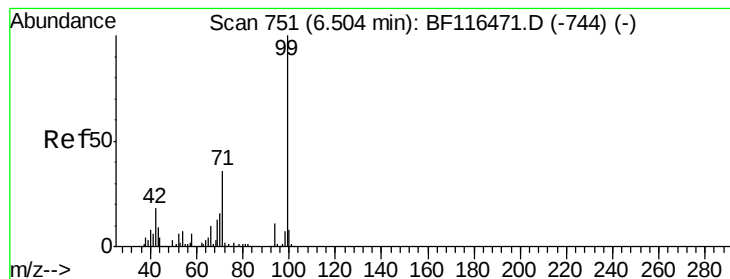
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#5
 2-Fluorophenol
 Concen: 81.949 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.3	69.5
63	32.2	24.2	36.4





#7

Phenol-d6

Concen: 89.008 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

T8-E1-E4-(0-2)

Tot Ion: 99 Resp: 1124358

Ion Ratio Lower Upper

99 100

42 17.4 14.6 21.8

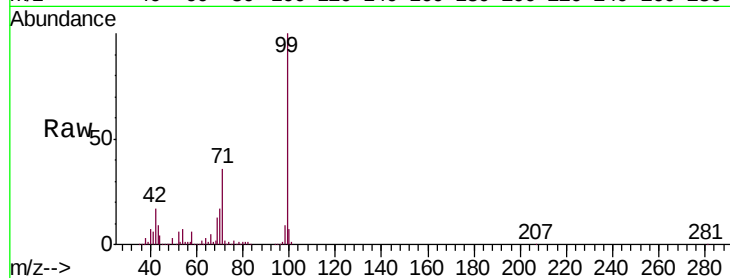
71 35.7 28.5 42.7

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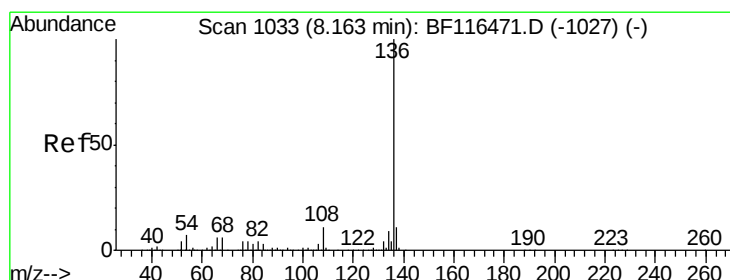
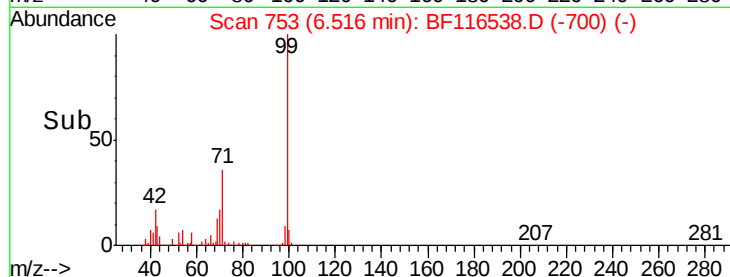
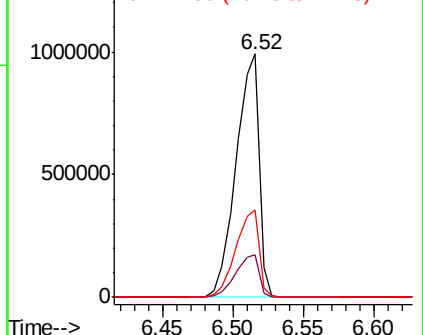
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Tgt Ion: 136 Resp: 544619

Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.1 5.8 8.6

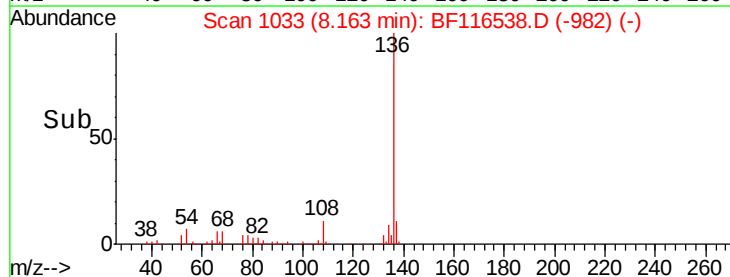
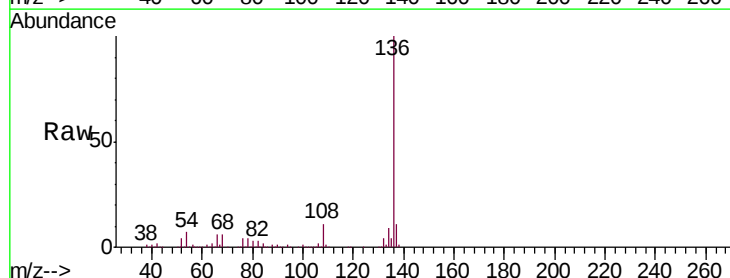
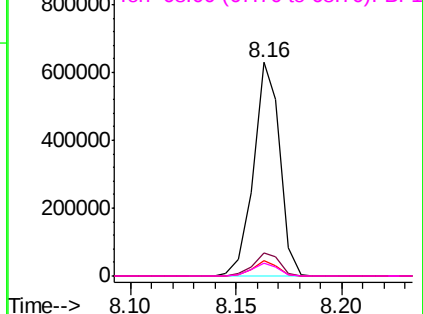
68 6.1 5.1 7.7

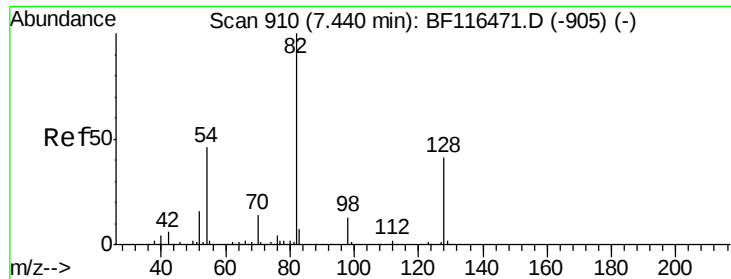
Abundance Ion 136.00 (135.70 to 136.70): E

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





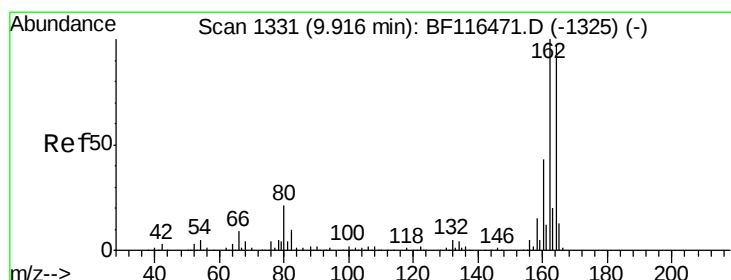
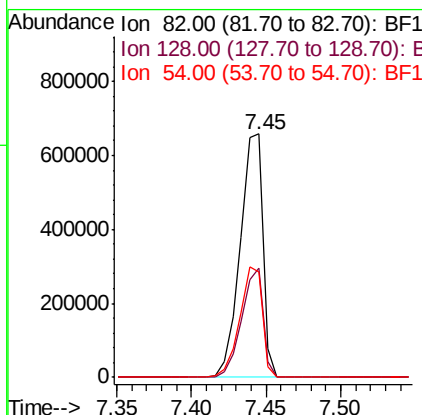
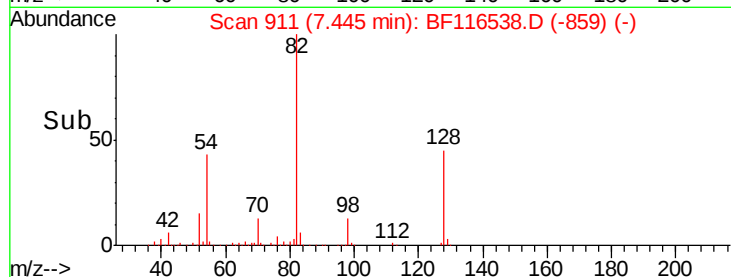
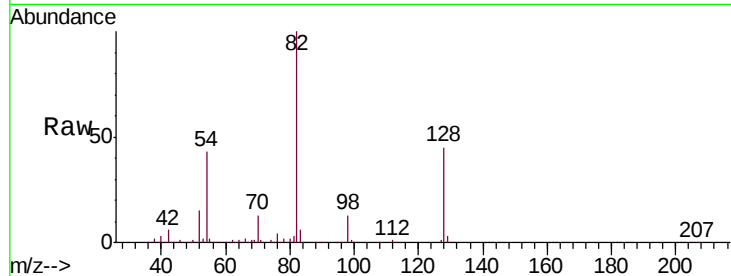
#23
Nitrobenzene-d5
Concen: 70.317 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :
T8-E1-E4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	699984		
128	44.7	32.2	48.4	
54	43.3	36.5	54.7	

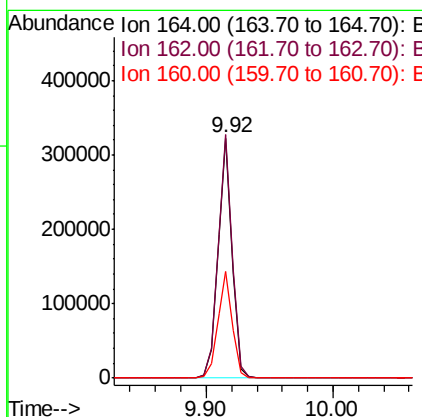
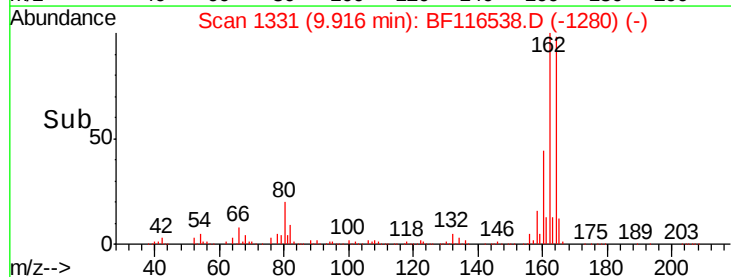
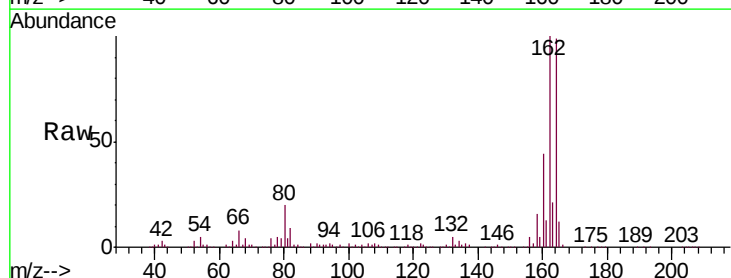
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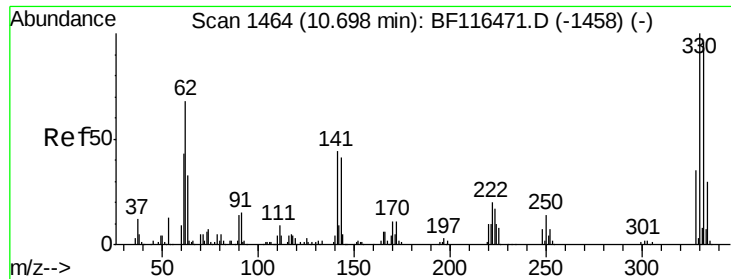
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254620		
162	101.4	82.6	123.8	
160	44.6	35.8	53.8	





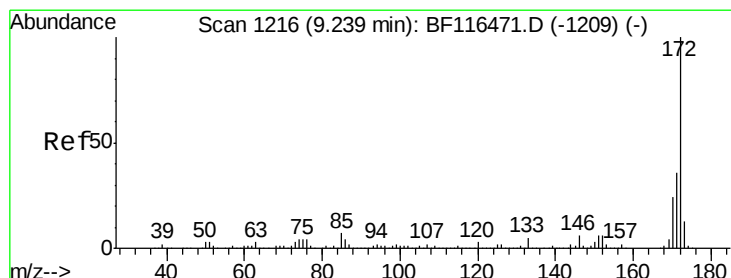
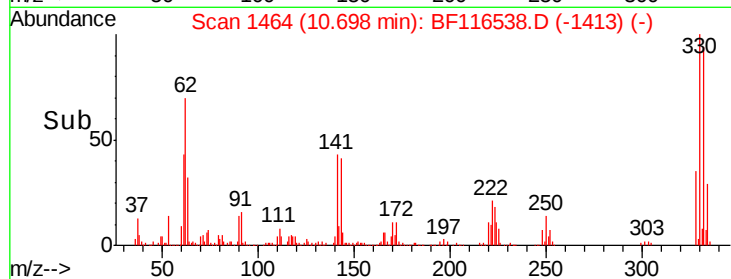
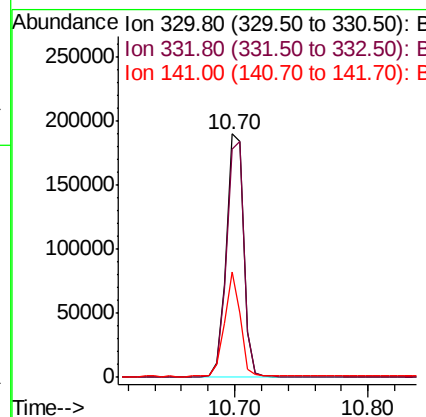
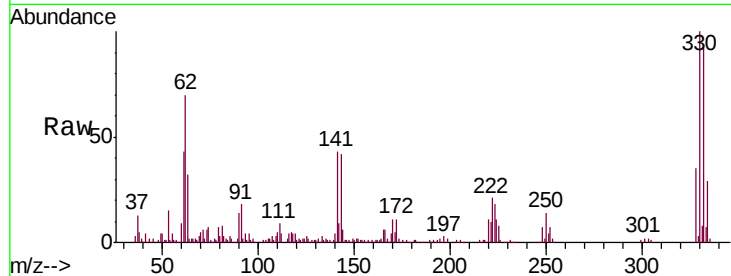
#42
 2,4,6-Tribromophenol
 Concen: 80.954 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 T8-E1-E4-(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	38.4	33.3	49.9

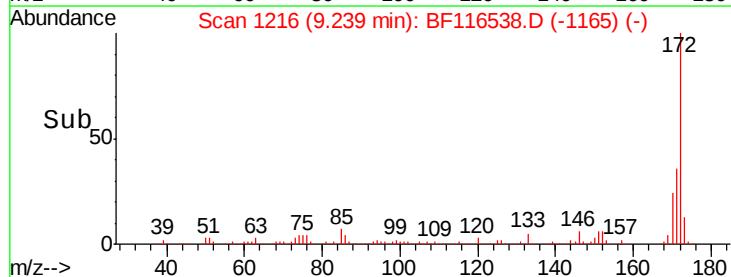
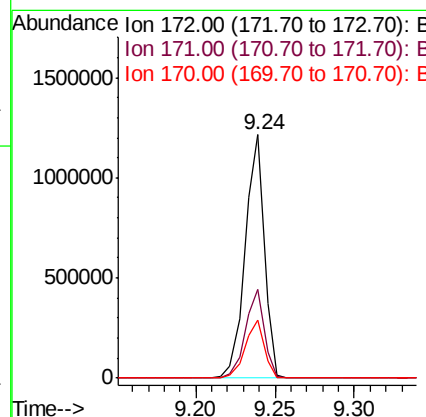
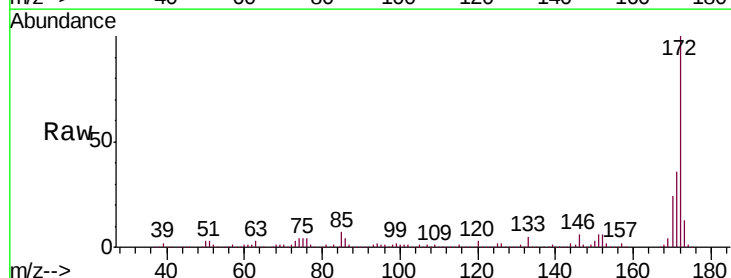
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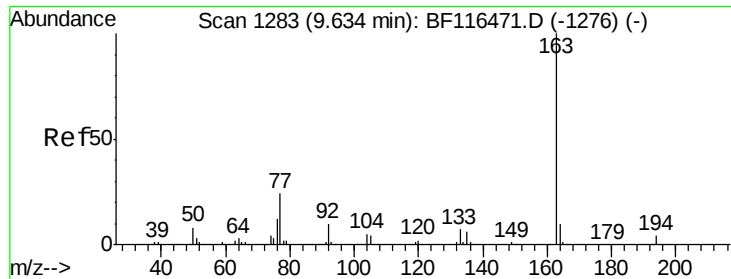
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#45
 2-Fluorobiphenyl
 Concen: 64.532 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.0	19.4	29.0





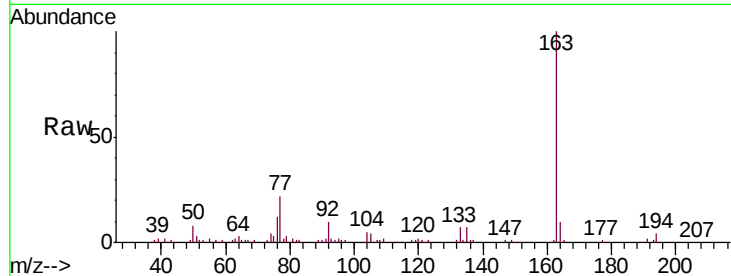
#50
Dimethylphthalate
Concen: 5.028 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :
T8-E1-E4-(0-2)

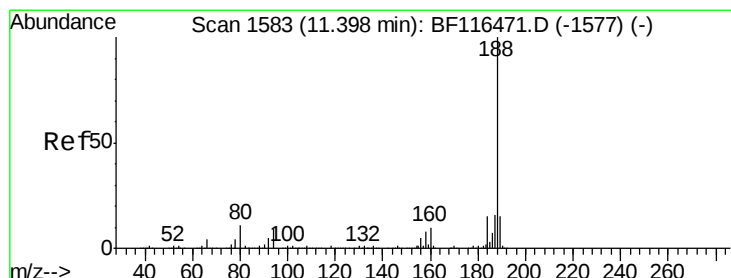
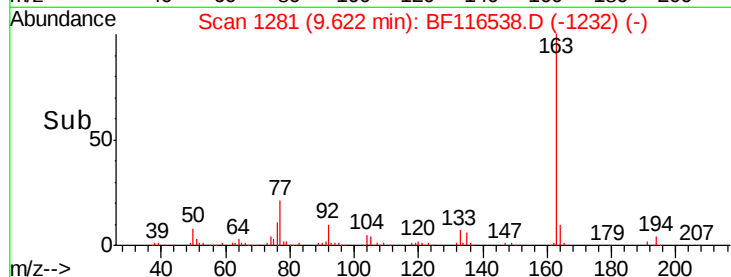
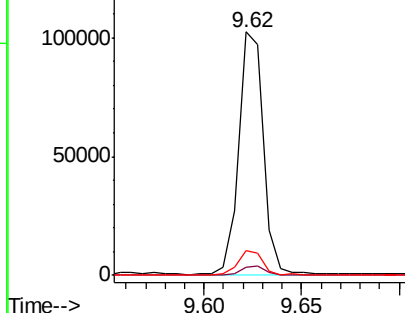
Tot Ion	Ratio	Resp	Lower	Upper
163	100	89316		
194	3.6		2.9	4.3
164	10.0		8.2	12.2

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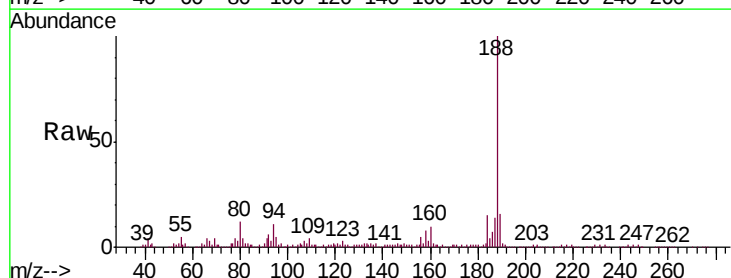


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

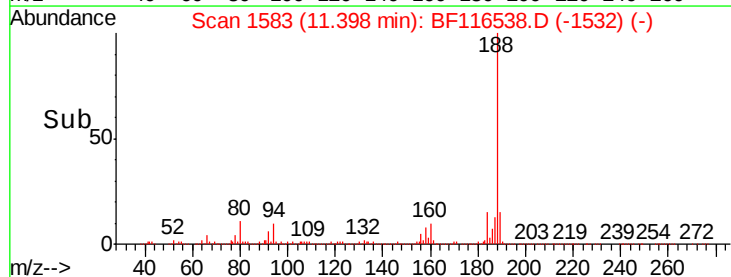
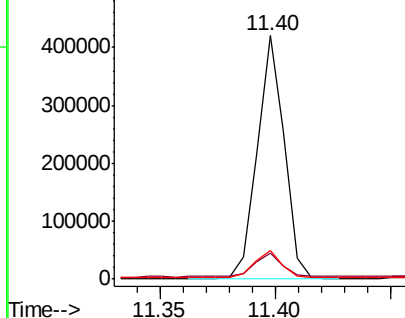


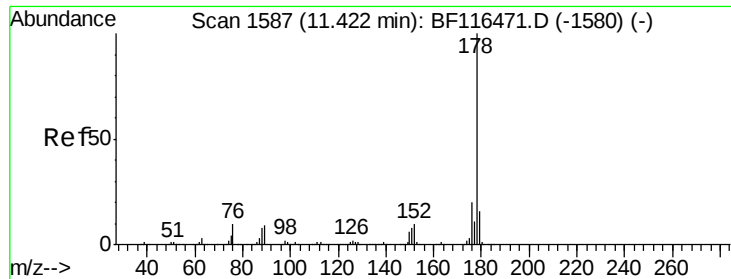
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	341318		
94	10.6		7.4	11.2
80	11.7		8.6	12.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





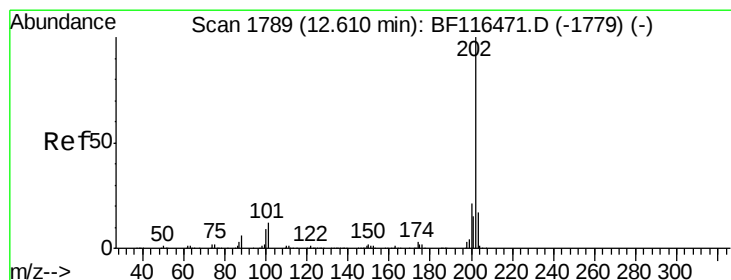
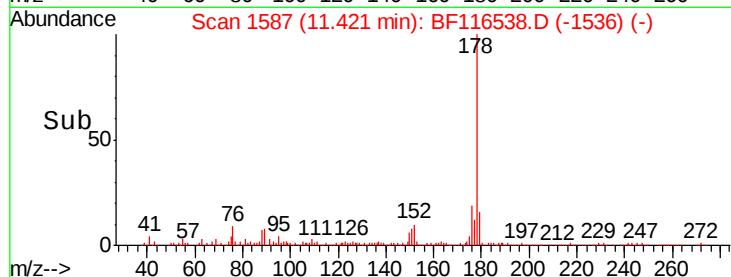
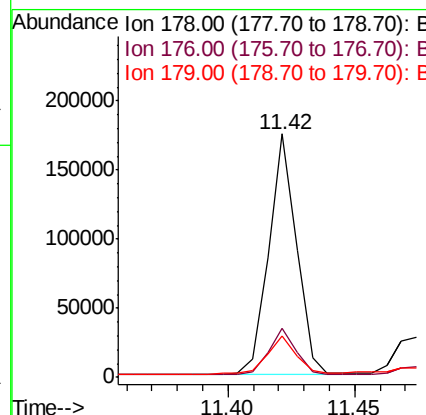
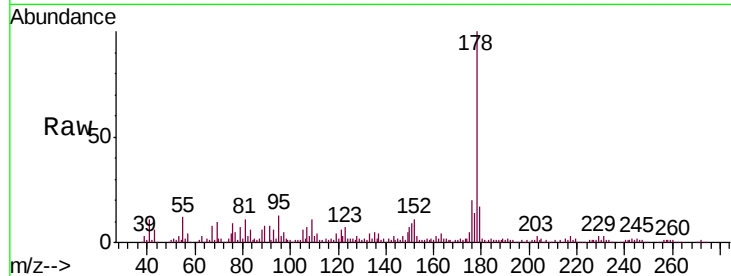
#71
Phenanthrene
Concen: 7.140 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :
T8-E1-E4-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	16.9	12.8	19.2

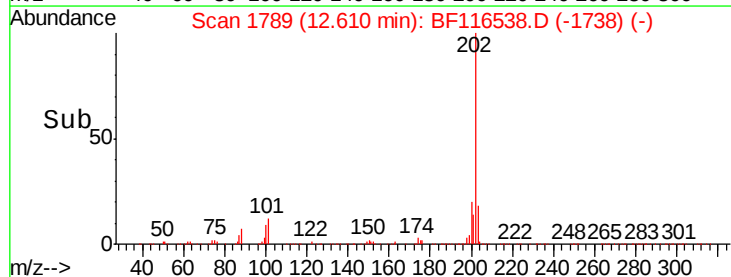
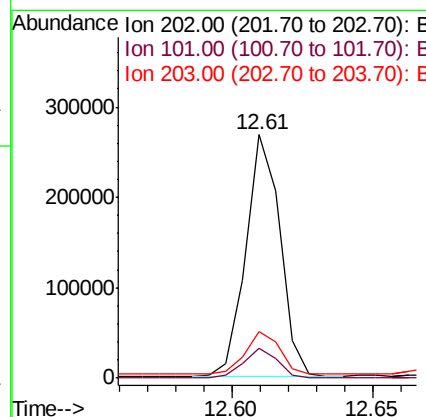
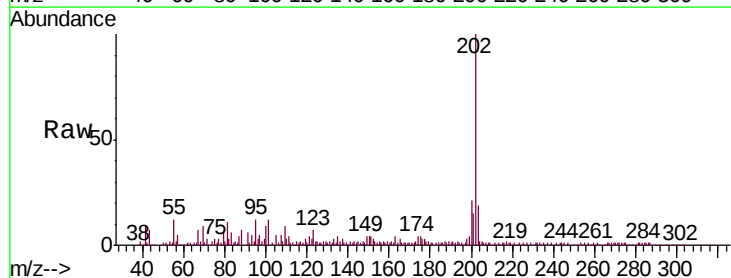
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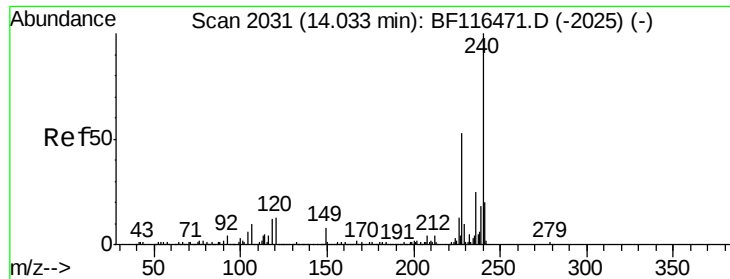
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#75
Fluoranthene
Concen: 11.696 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.5
203	19.2	0.0	37.5





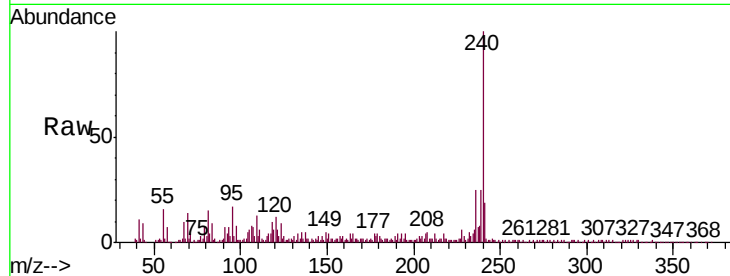
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :
T8-E1-E4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	209213		
120	11.6	10.5	15.7	
236	25.2	20.2	30.2	

Manual Integrations
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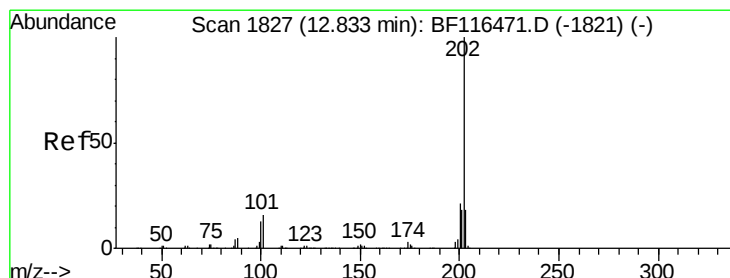
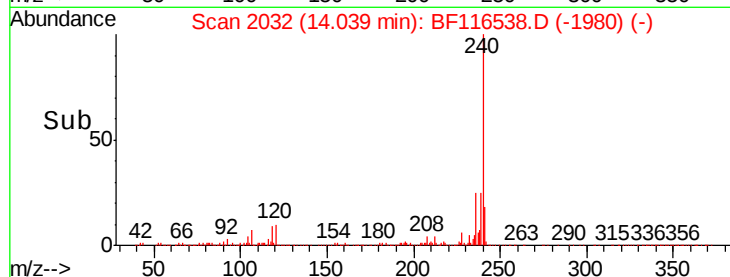
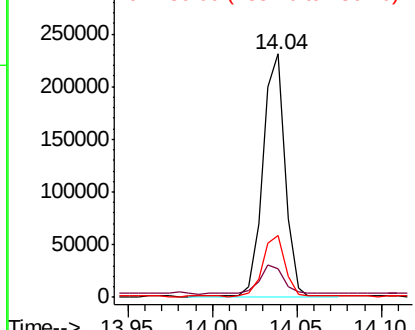


Abundance

Ion 240.00 (239.70 to 240.70): E

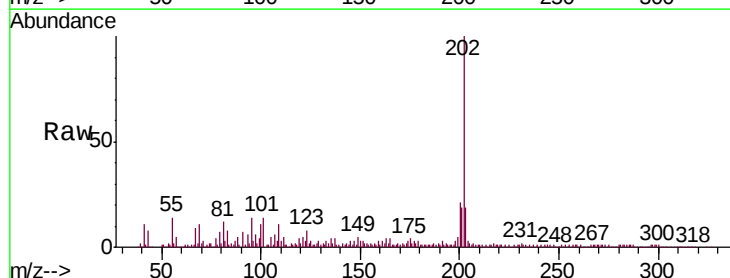
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 11.750 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	196595		
200	21.3	17.0	25.4	
203	19.2	14.2	21.4	

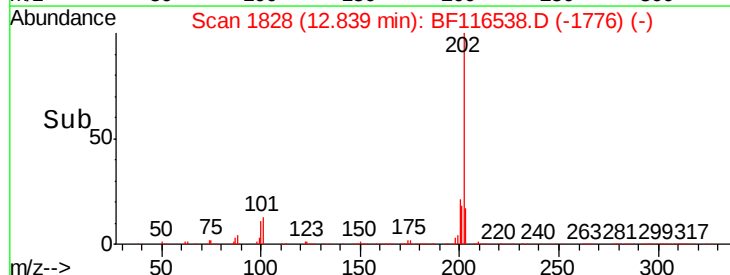
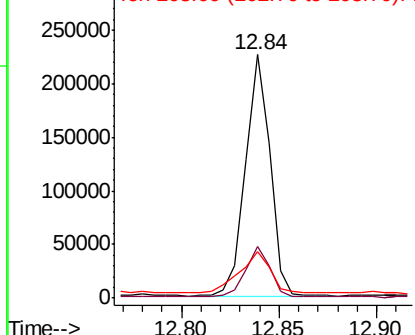


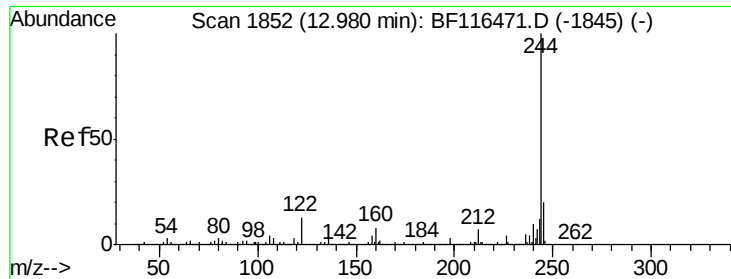
Abundance

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





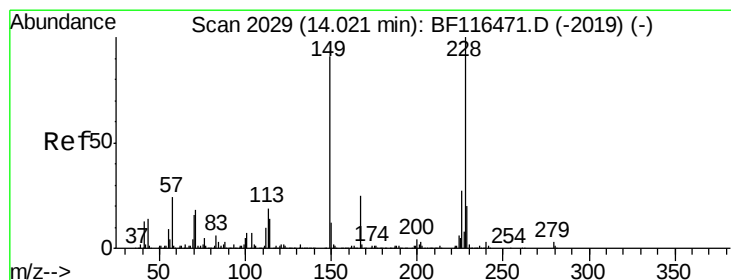
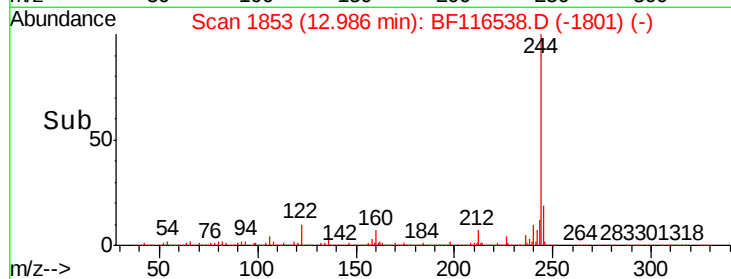
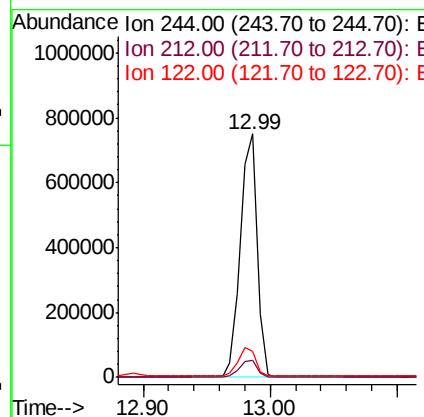
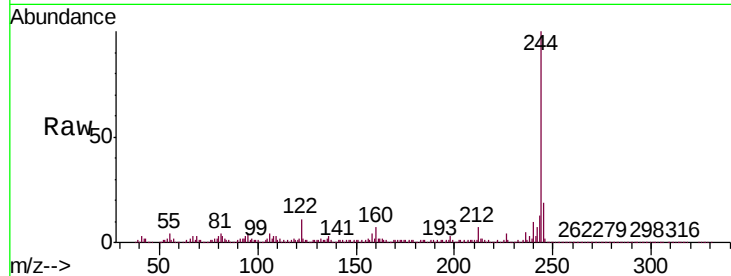
#79
 Terphenyl-d14
 Concen: 60.280 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.01 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Instrument :
 BNA_F
 ClientSampled :
 T8-E1-E4-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.8	10.2	15.4

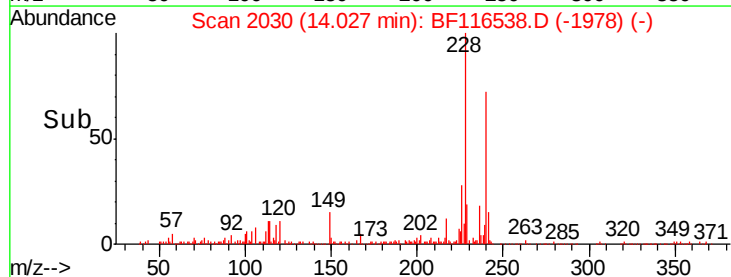
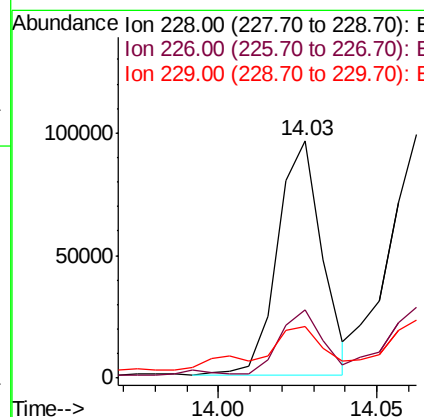
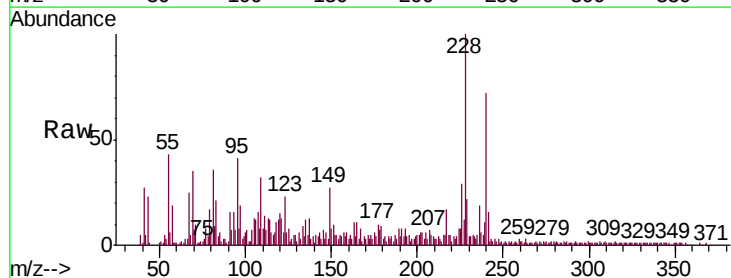
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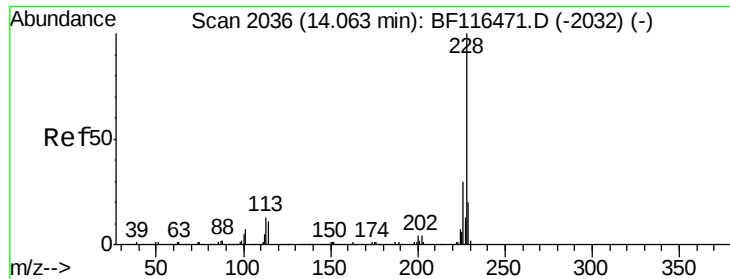
mohammad
 8/29/2019 7:53:22 AM



#81
 Benzo(a)anthracene
 Concen: 6.866 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.8	32.6
229	21.9	15.9	23.9





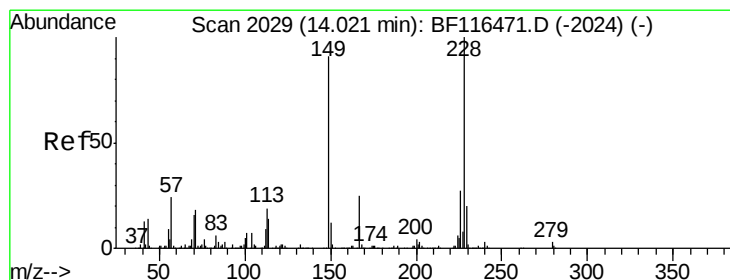
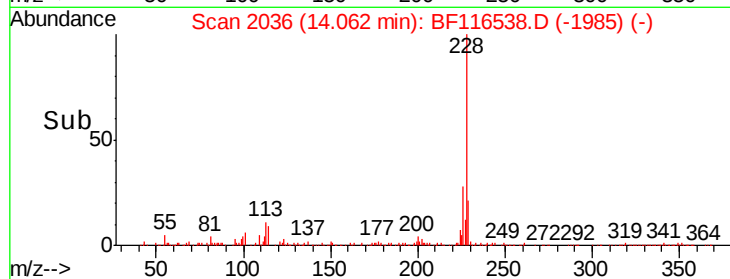
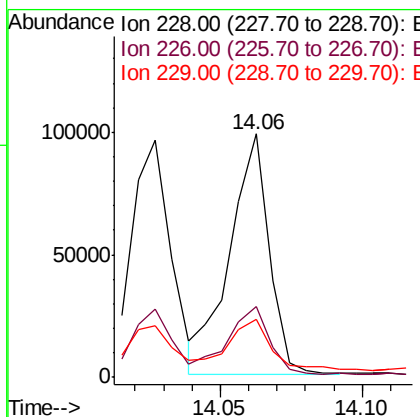
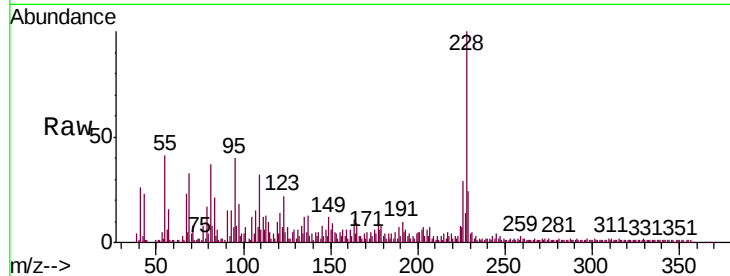
#83
 Chrvsene
 Concen: 6.784 ng m
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Instrument :
 BNA_F
 ClientSampled :
 T8-E1-E4-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	23.7	15.8	23.6#

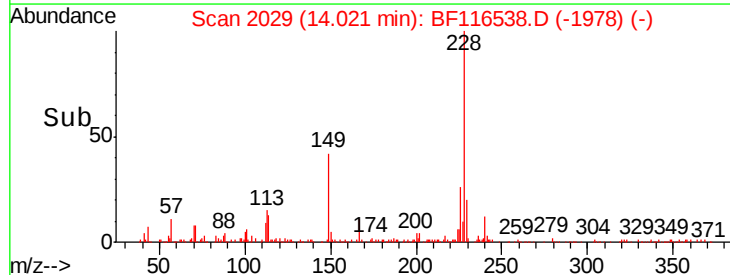
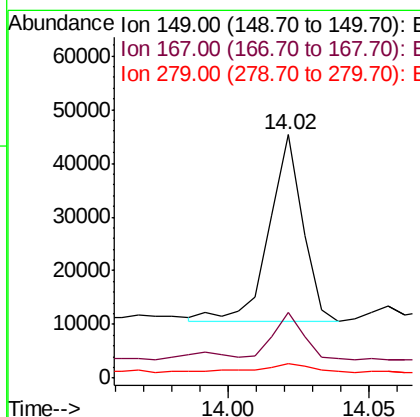
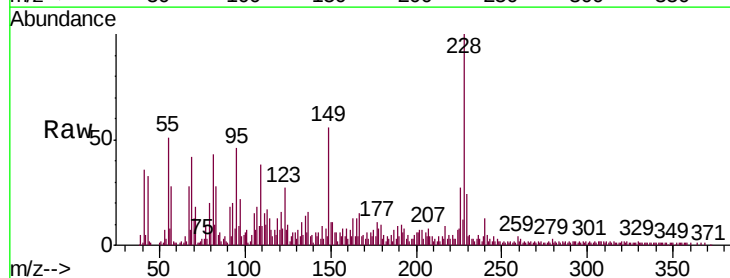
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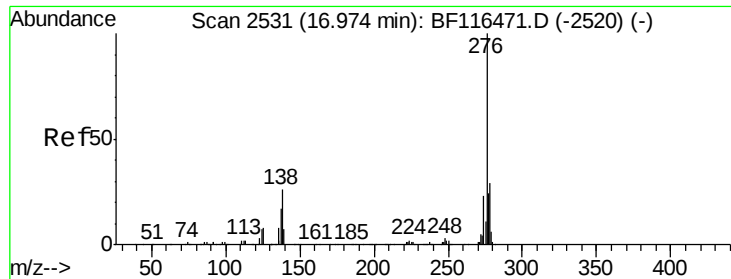
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.952 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116538.D
 Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.6
279	6.1	3.0	4.4#





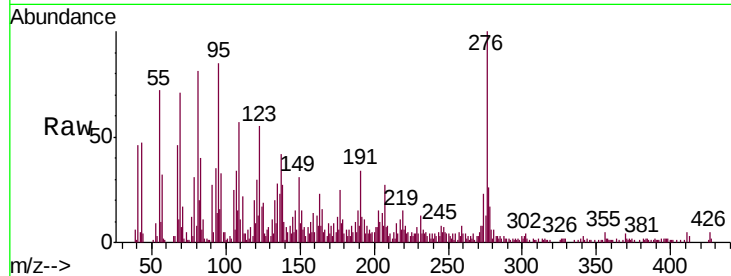
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.184 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :
T8-E1-E4-(0-2)

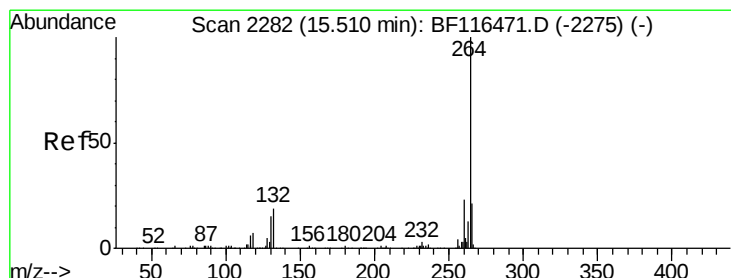
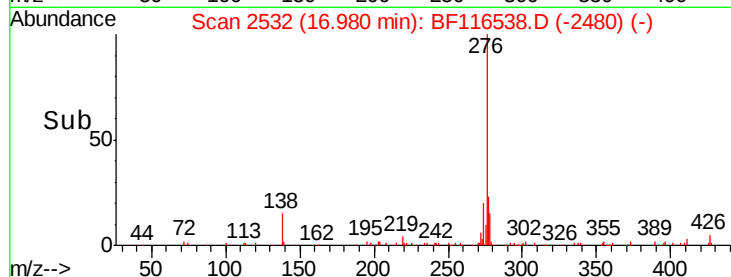
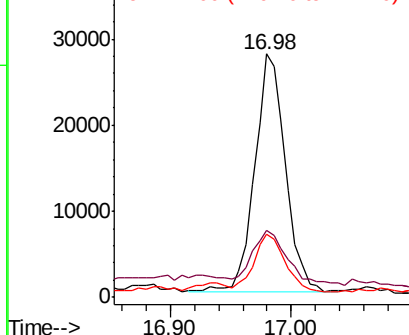
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	22.9	34.3
277	24.9	19.9	29.9

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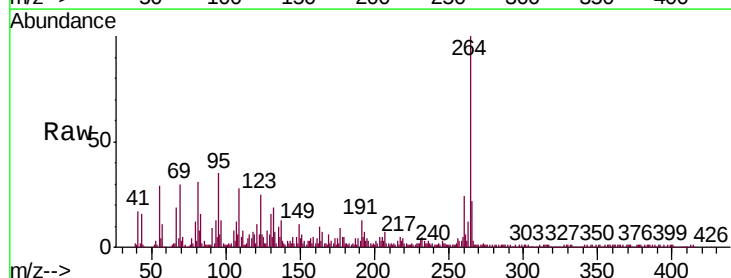


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

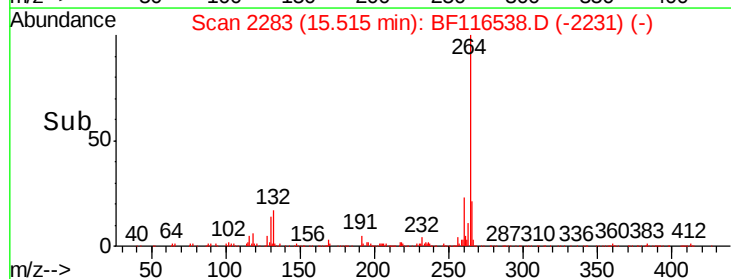
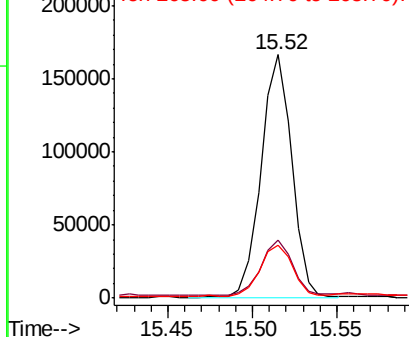


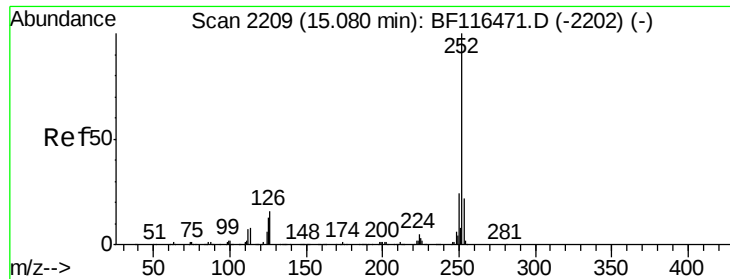
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.6	17.1	25.7



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: 9.496 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

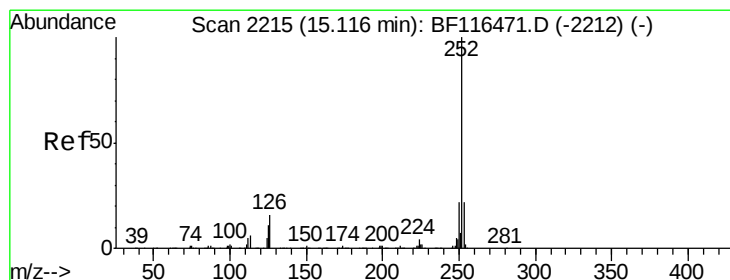
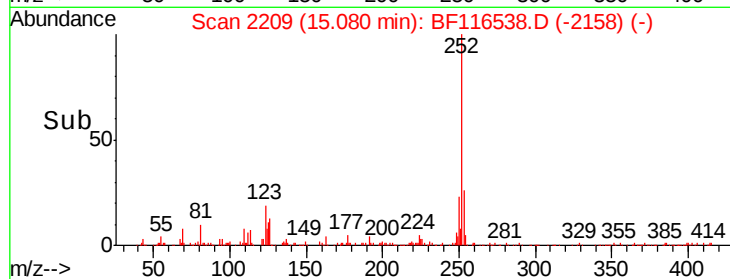
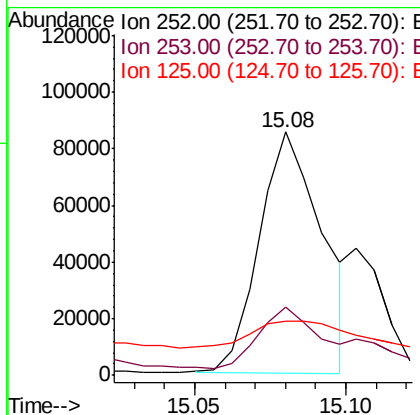
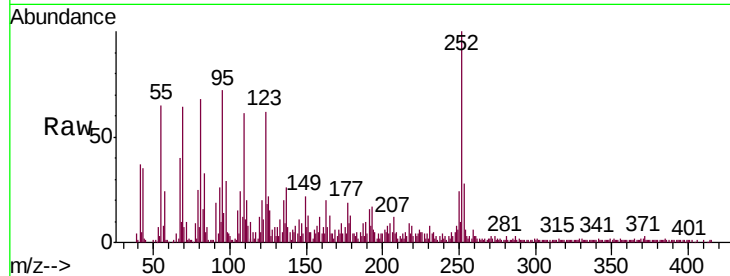
ClientSampleId :

T8-E1-E4-(0-2)

Tot Ion:	252	Resp:	121818
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.5	26.3#
125	22.4	10.1	15.1#

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#89

Benzo(k)fluoranthene

Concen: 3.152 ng m

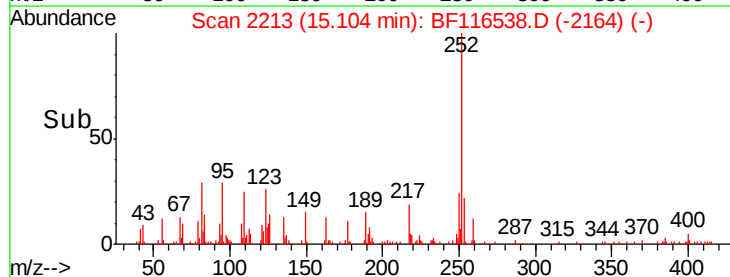
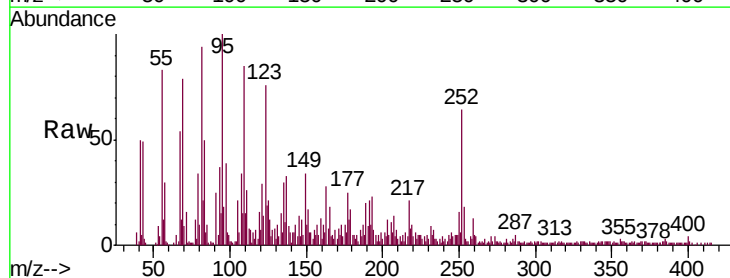
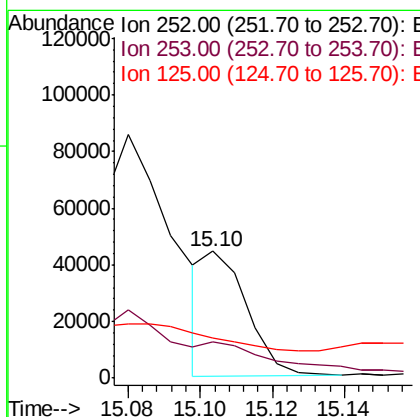
RT: 15.10 min Scan# 2213

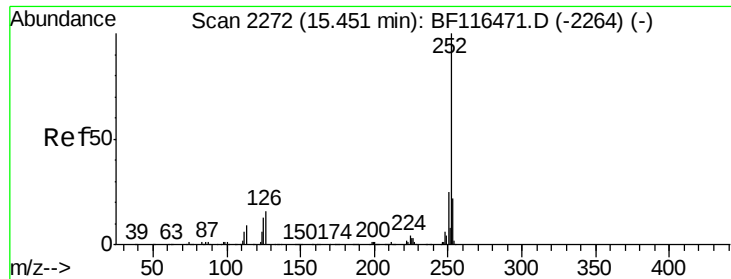
Delta R.T. -0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Tgt Ion:	252	Resp:	36630
Ion Ratio	Lower	Upper	
252	100		
253	28.7	17.4	26.2#
125	32.1	9.1	13.7#





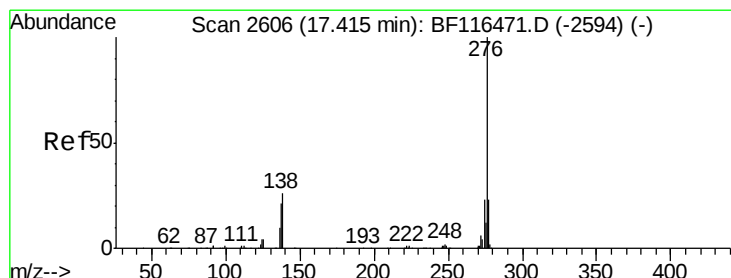
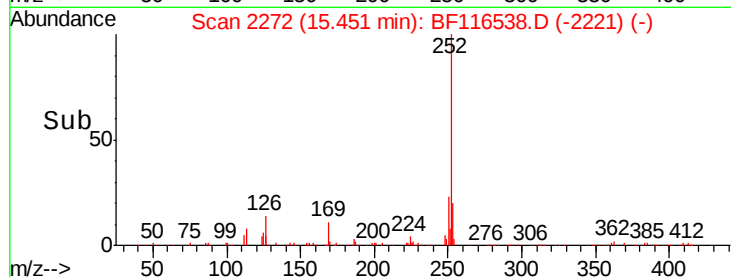
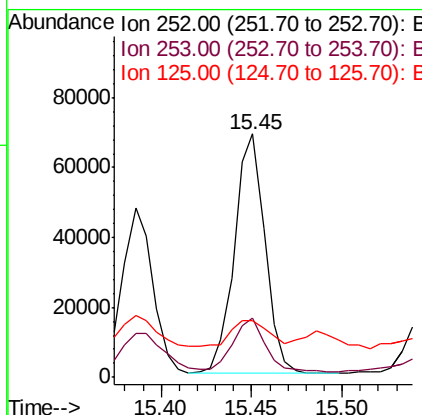
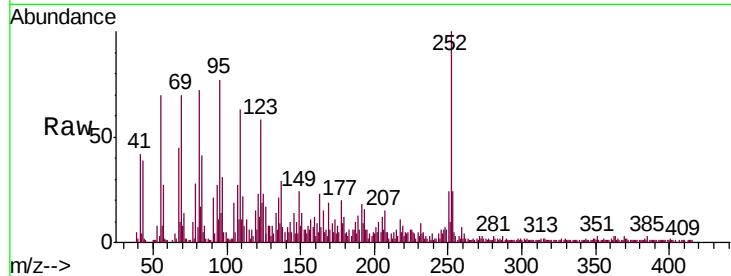
#90
Benzo(a)pyrene
Concen: 7.113 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :
T8-E1-E4-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	23.3	10.2	15.4

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#92
Benzo(g,h,i)perylene
Concen: 5.732 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	28.5	20.8	31.2

