

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116501.D
 Acq On : 24 Aug 2019 2:17
 Operator : HP/JU
 Sample : K4087-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-082119

Manual Integrations
 APPROVED

Jagrut
 8/28/2019 8:09:16 AM

Quant Time: Aug 24 05:01:08 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	115159	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	431445	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	203128	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	320254	20.00	ng	0.00
76) Chrysene-d12	14.03	240	209954	20.00	ng	0.00
87) Perylene-d12	15.50	264	223195	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	685953	87.03	ng	0.01
7) Phenol-d6	6.51	99	908094	93.97	ng	0.00
23) Nitrobenzene-d5	7.44	82	526626	66.78	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	137466	78.81	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	972242	77.08	ng	0.00
79) Terphenyl-d14	12.98	244	817053	72.69	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	199791	14.097	ng	99
71) Phenanthrene	11.42	178	82410	4.724	ng	98
75) Fluoranthene	12.61	202	181104	10.041	ng	99
78) Pyrene	12.84	202	165939	9.883	ng	99
81) Benzo(a)anthracene	14.02	228	68881	5.066	ng	96
83) Chrysene	14.06	228	62800	4.557	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	40647	3.443	ng	94
88) Benzo(b)fluoranthene	15.07	252	85629m	6.210	ng	
89) Benzo(k)fluoranthene	15.10	252	31243m	2.501	ng	
90) Benzo(a)pyrene	15.43	252	63183	5.185	ng	96
92) Benzo(g,h,i)perylene	17.40	276	38886	4.073	ng	96

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

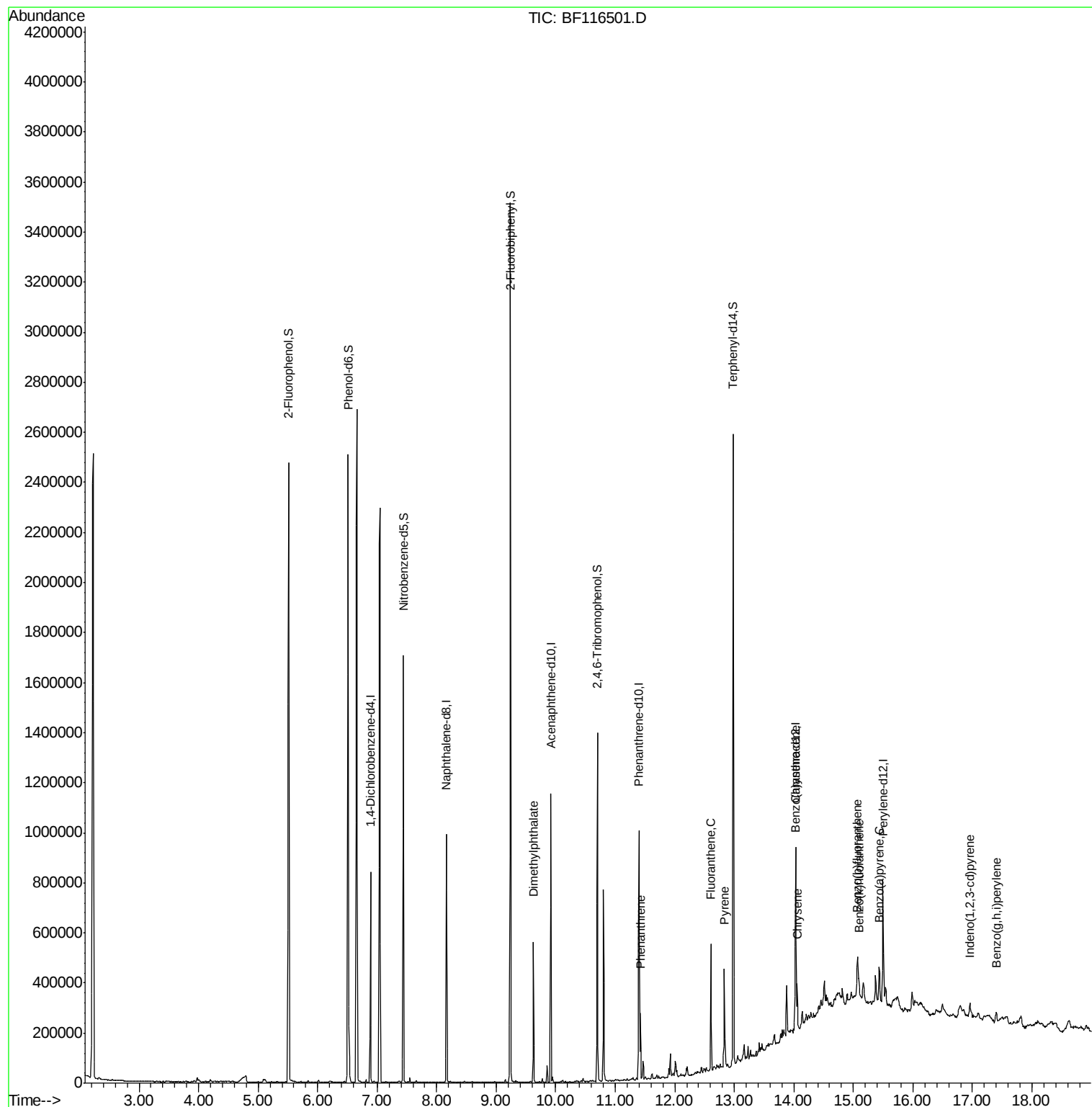
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116501.D
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Sample : K4087-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

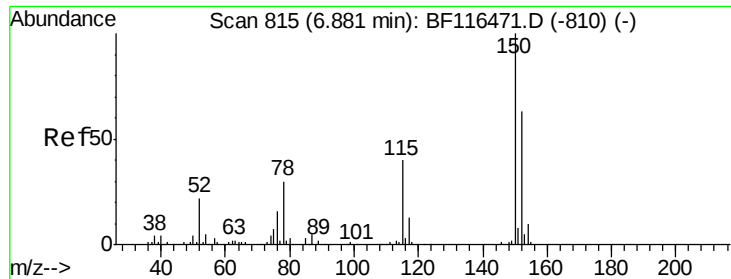
Instrument :
BNA_F
ClientSampleId :
HD-02-082119

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

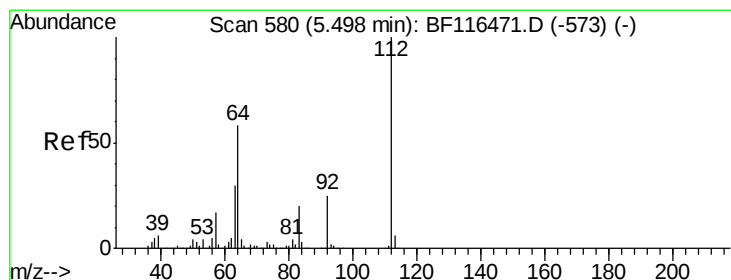
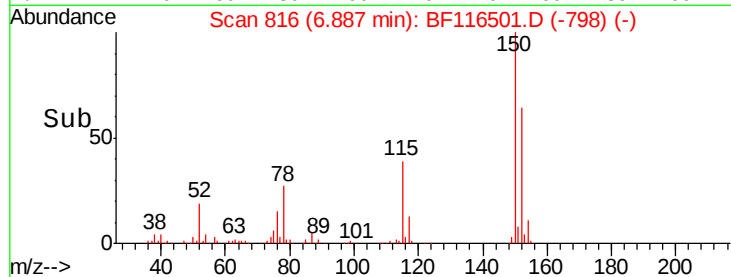
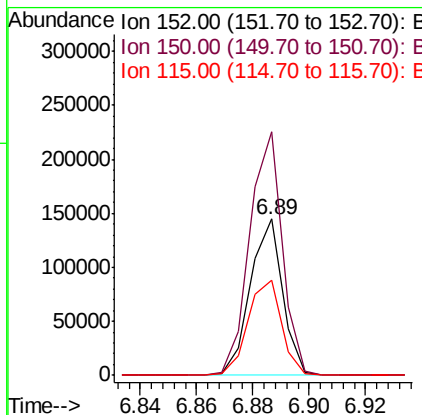
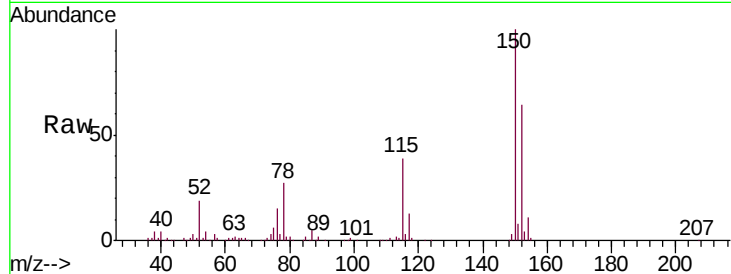
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.7	190.1
115	60.9	50.9	76.3

Manual Integrations
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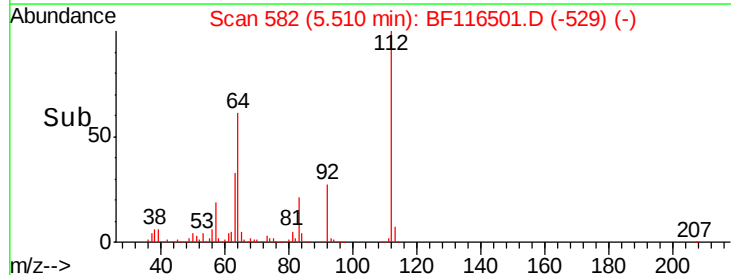
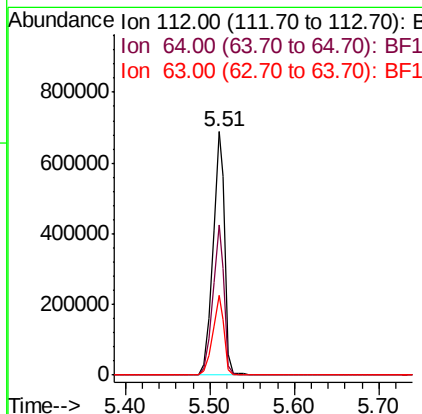
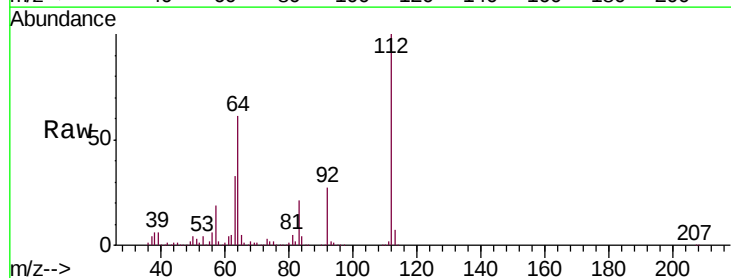
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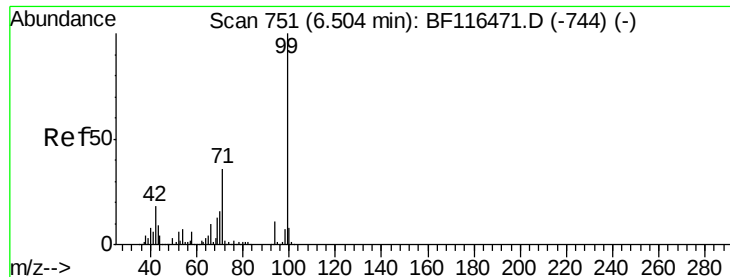


#5

2-Fluorophenol
Concen: 87.034 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	46.3	69.5
63	32.6	24.2	36.4





#7

Phenol-d6

Concen: 93.969 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116501.D

Acq: 24 Aug 2019 2:17

Instrument :

BNA_F

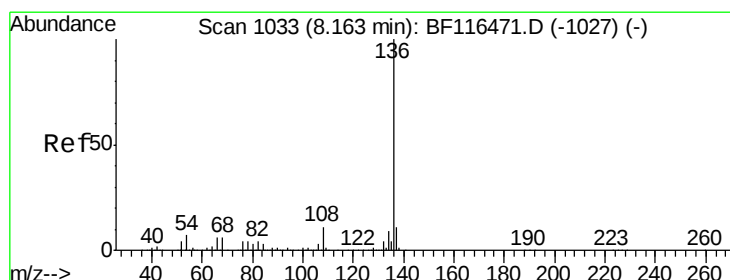
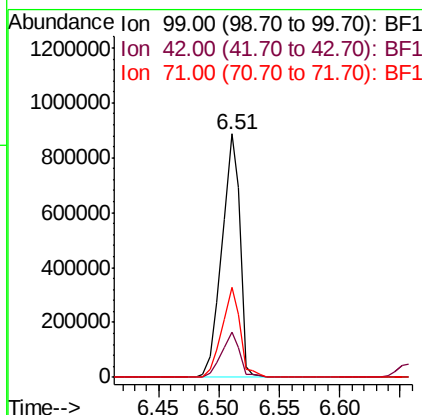
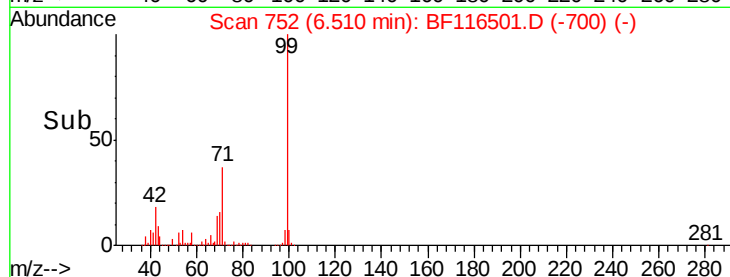
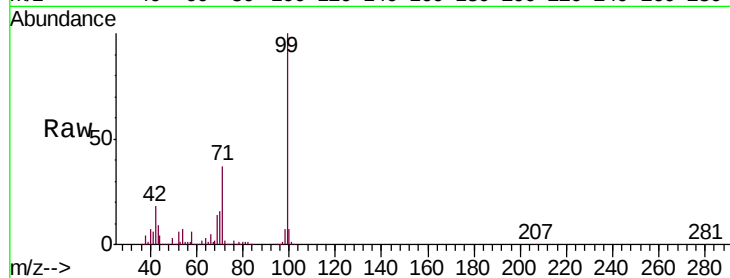
ClientSampleId :

HD-02-082119

Tot Ion:	99	Resp:	908094
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.6	21.8
71	37.2	28.5	42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

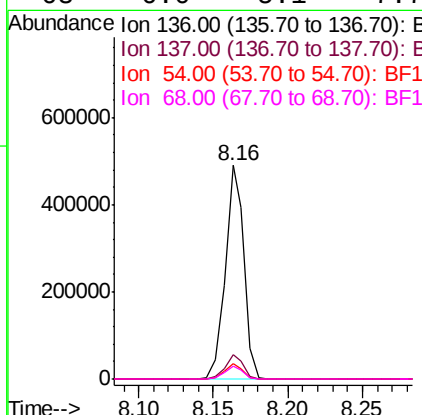
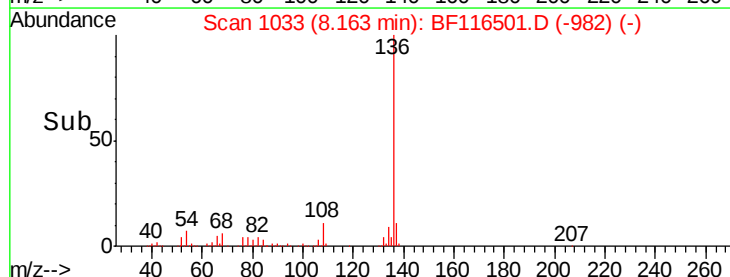
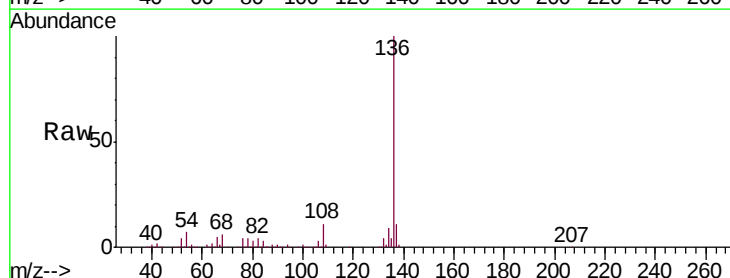
RT: 8.16 min Scan# 1033

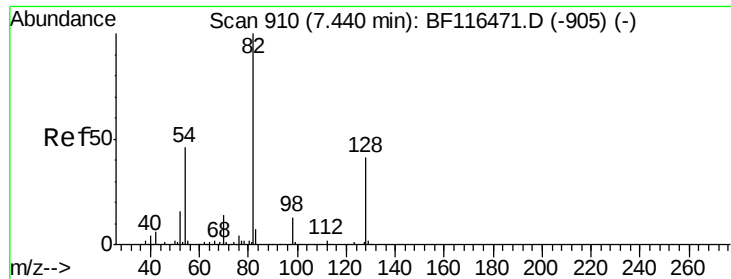
Delta R.T. -0.00 min

Lab File: BF116501.D

Acq: 24 Aug 2019 2:17

Tgt Ion:	136	Resp:	431445
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.2	5.8	8.6
68	6.0	5.1	7.7





#23

Nitrobenzene-d5

Concen: 66.780 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116501.D

Acq: 24 Aug 2019 2:17

Instrument :

BNA_F

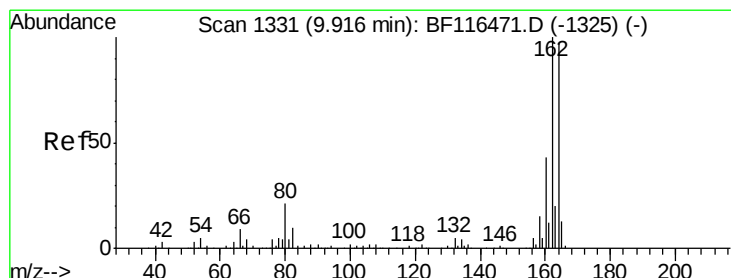
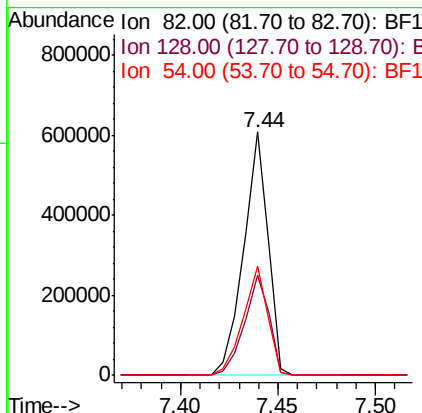
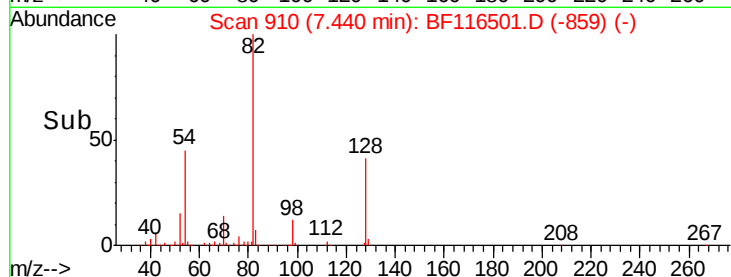
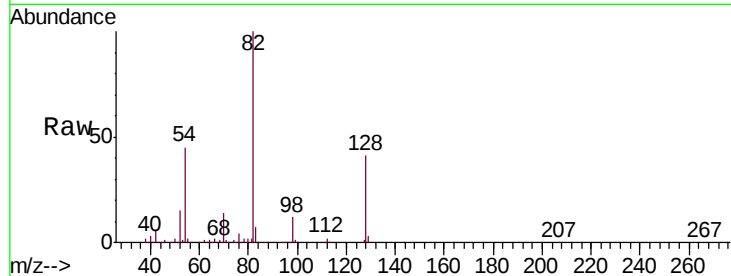
ClientSampleId :

HD-02-082119

Tot Ion	82	Resp	526626
Ion Ratio	Lower	Upper	
82	100		
128	41.3	32.2	48.4
54	44.6	36.5	54.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

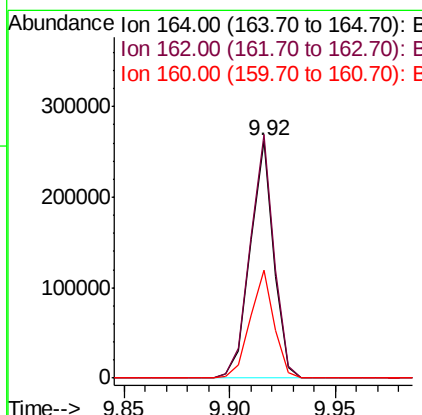
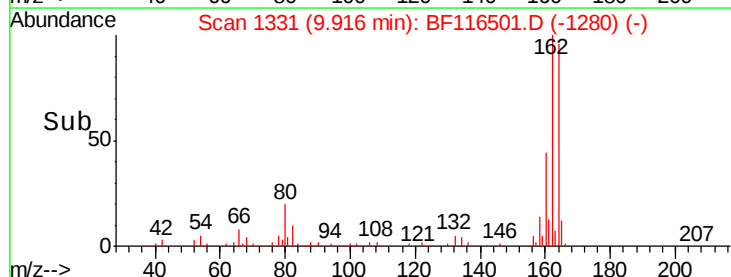
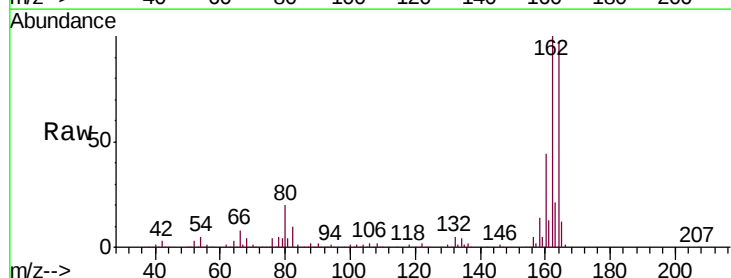
RT: 9.92 min Scan# 1331

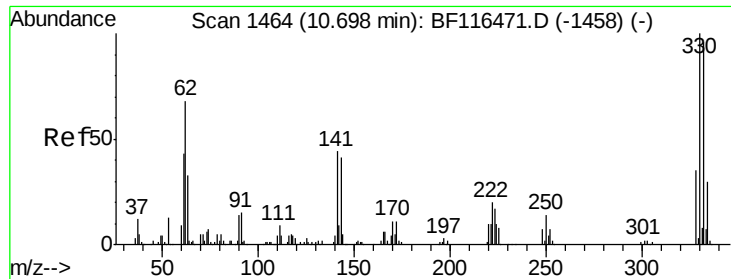
Delta R.T. -0.00 min

Lab File: BF116501.D

Acq: 24 Aug 2019 2:17

Tgt Ion	164	Resp	203128
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.6	123.8
160	45.4	35.8	53.8





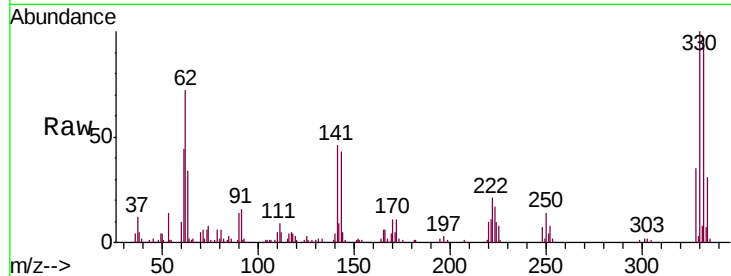
#42
 2,4,6-Tribromophenol
 Concen: 78.813 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116501.D
 Acq: 24 Aug 2019 2:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-082119

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.2	115.8
141	40.5	33.3	49.9

Manual Integrations
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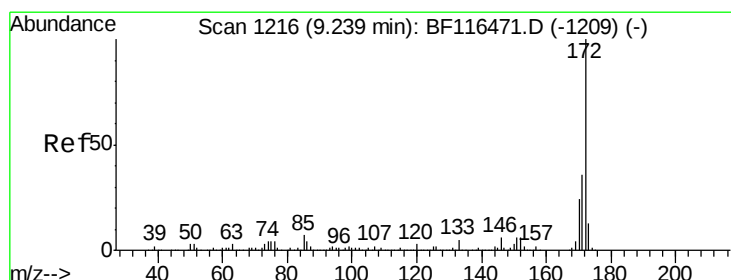
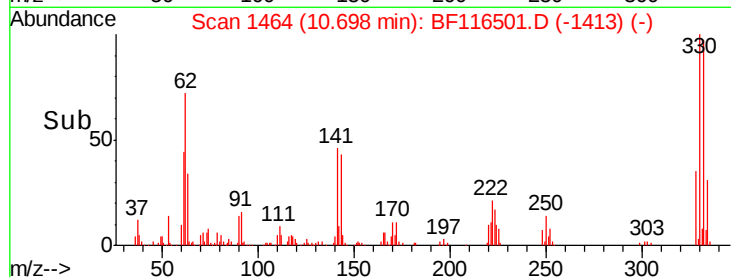
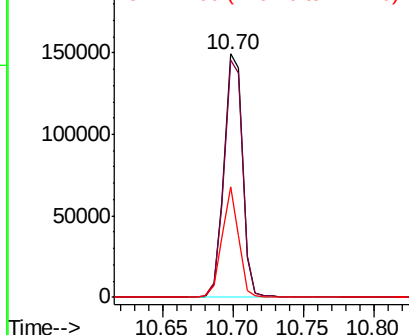


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.080 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116501.D
 Acq: 24 Aug 2019 2:17

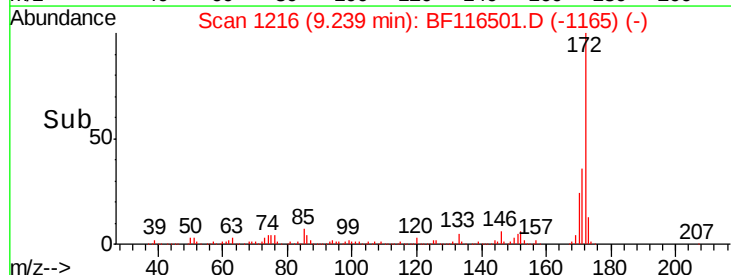
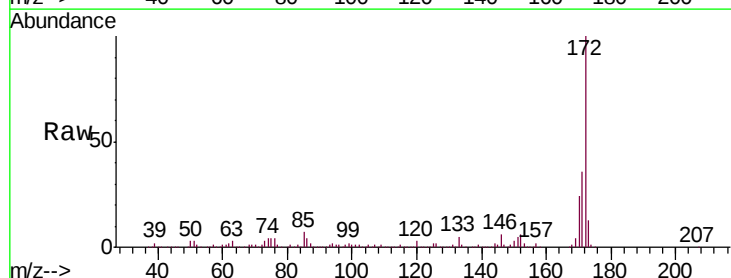
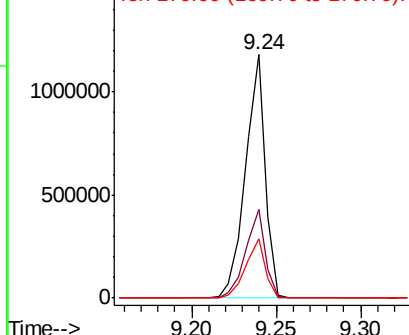
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.2	19.4	29.0

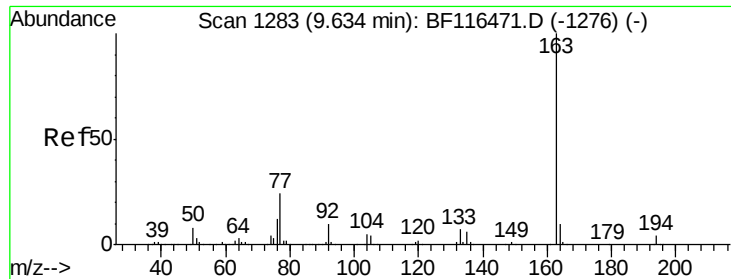
Abundance

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





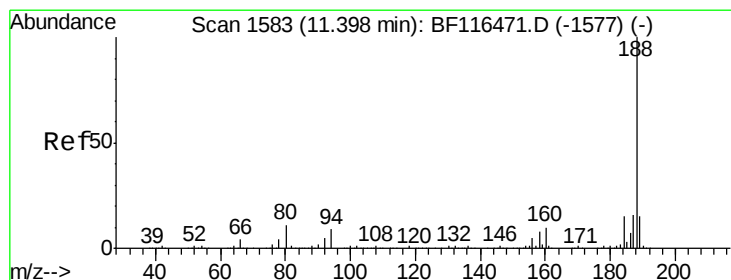
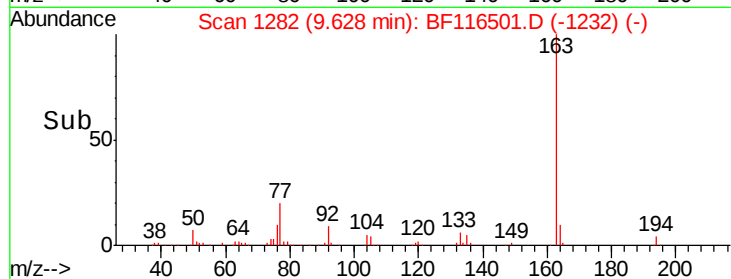
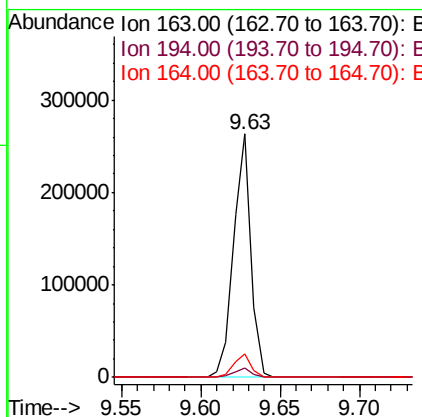
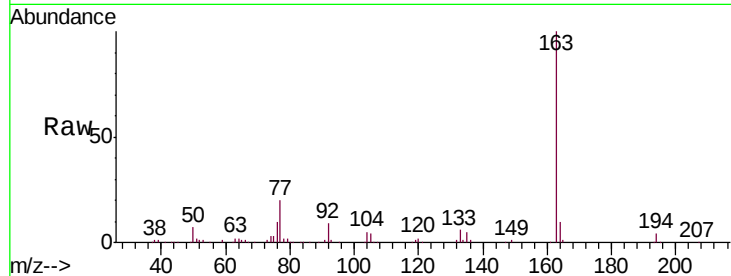
#50
Dimethylphthalate
Concen: 14.097 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Resp	Lower	Upper
163	100	199791		
194	3.7	2.9	4.3	
164	9.8	8.2	12.2	

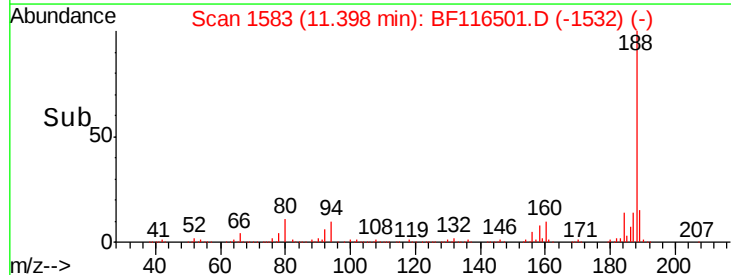
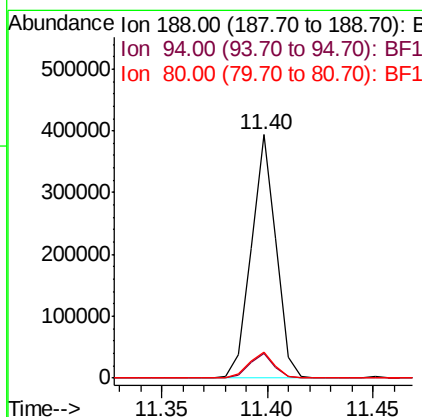
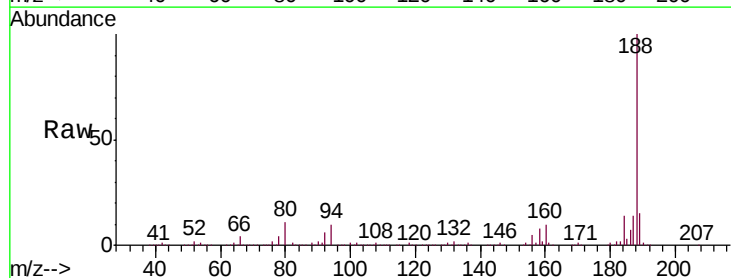
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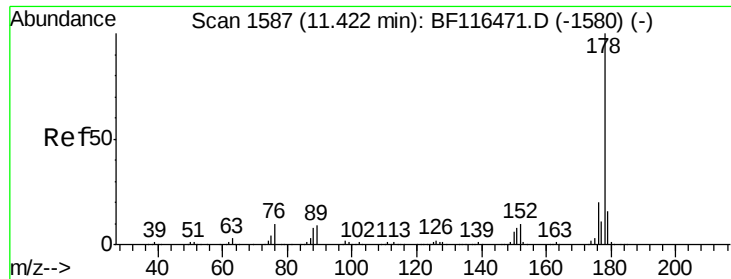
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	320254		
94	10.0	7.4	11.2	
80	10.9	8.6	12.8	





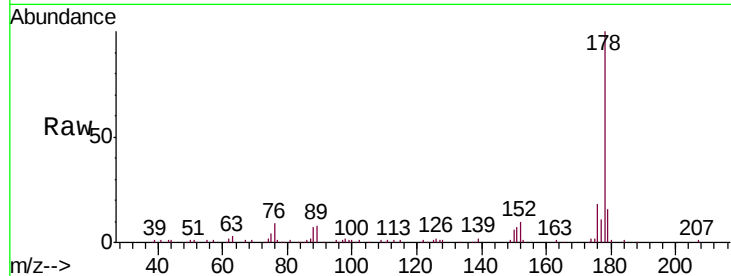
#71
Phenanthrene
Concen: 4.724 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.6
179	15.7	12.8	19.2

Manual Integrations
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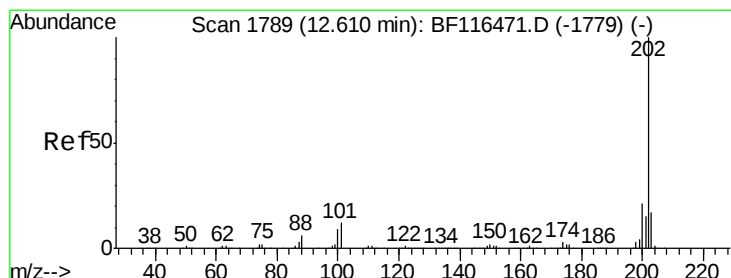
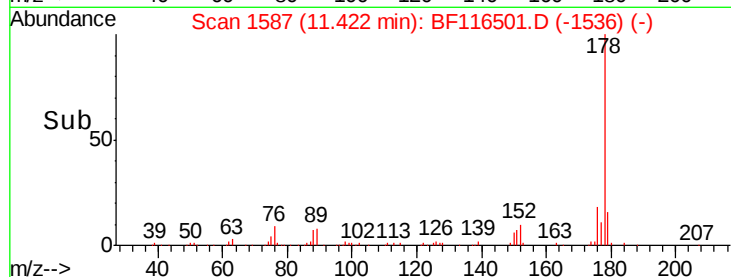
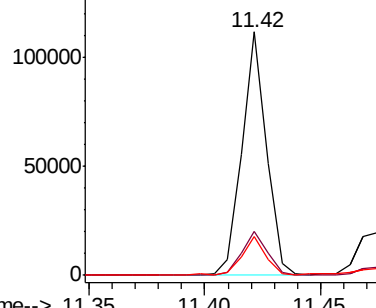


Abundance

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: 10.041 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

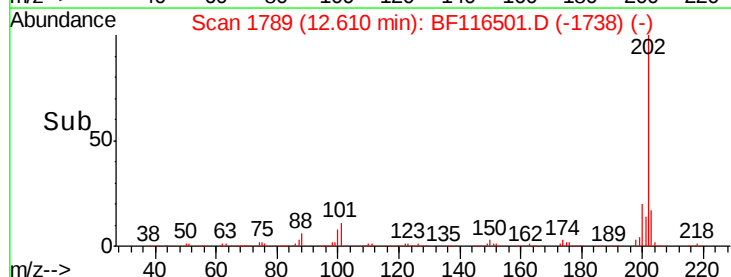
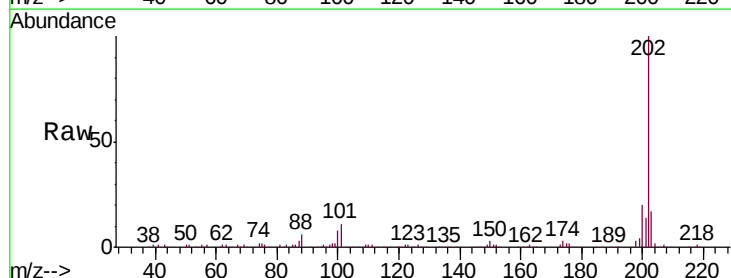
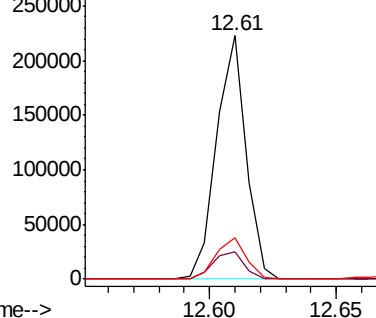
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.5
203	17.2	0.0	37.5

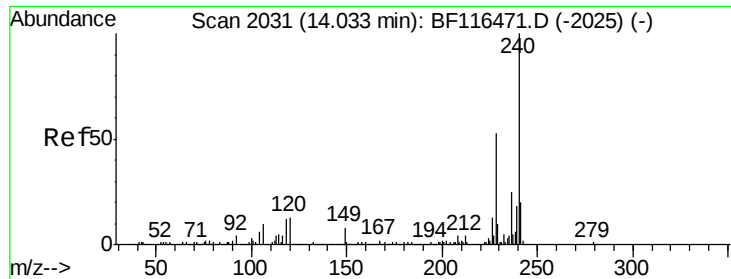
Abundance

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





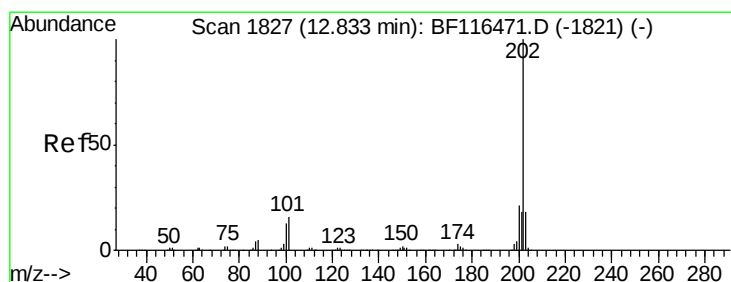
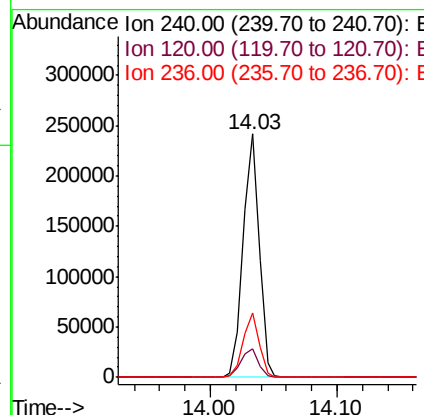
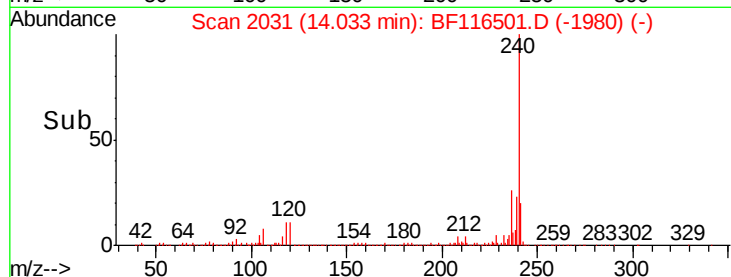
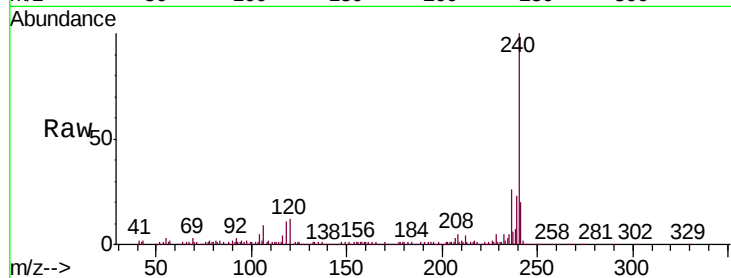
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.5	15.7
236	26.4	20.2	30.2

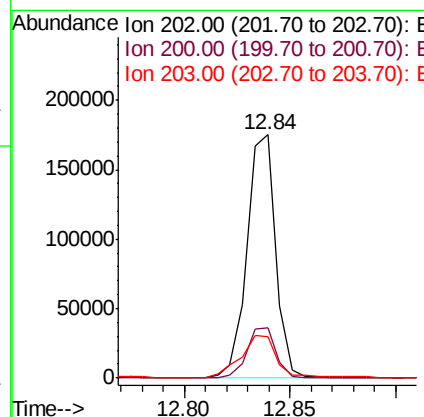
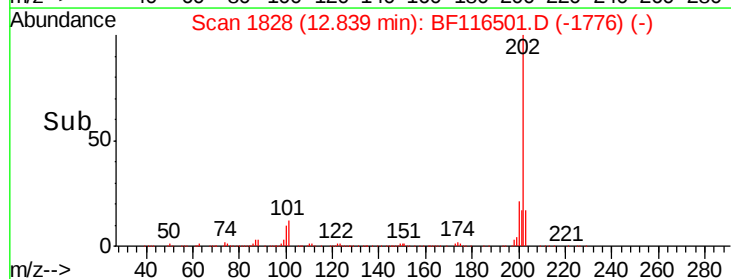
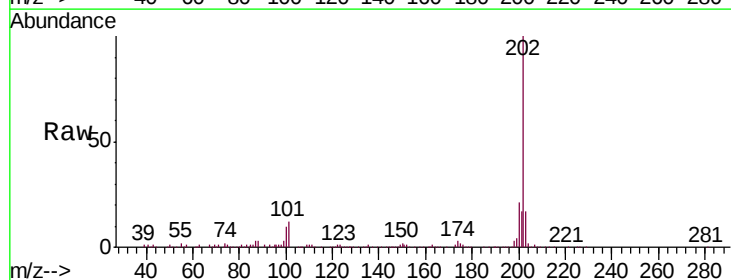
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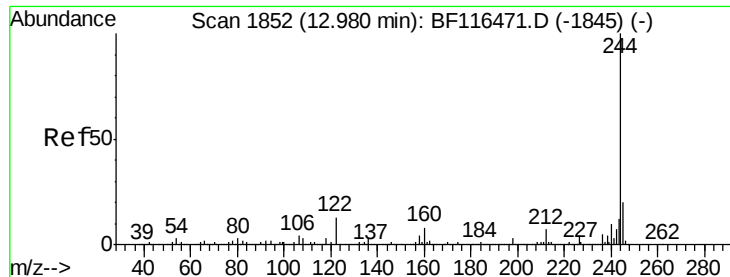
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#78
Pyrene
Concen: 9.883 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	16.9	14.2	21.4





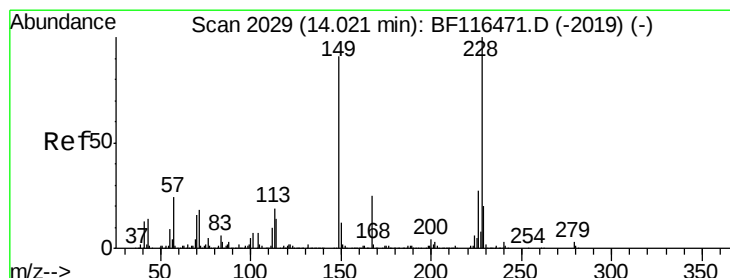
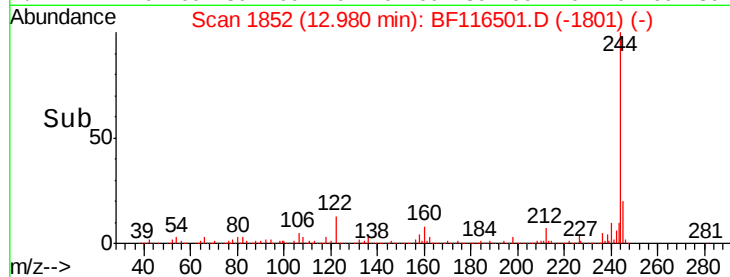
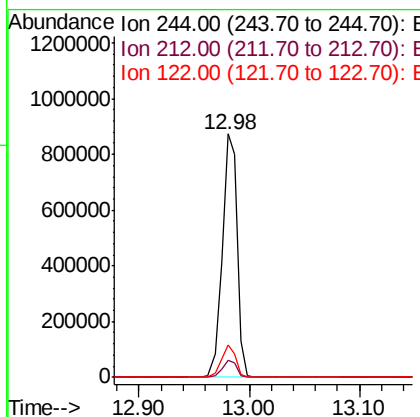
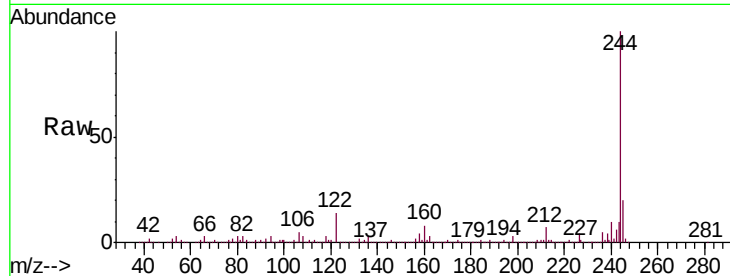
#79
 Terphenyl-d14
 Concen: 72.691 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116501.D
 Acq: 24 Aug 2019 2:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-082119

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	13.5	10.2	15.4

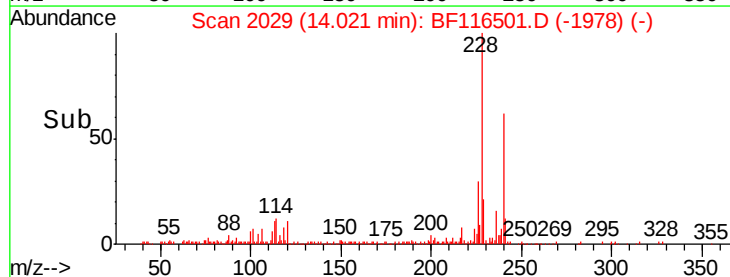
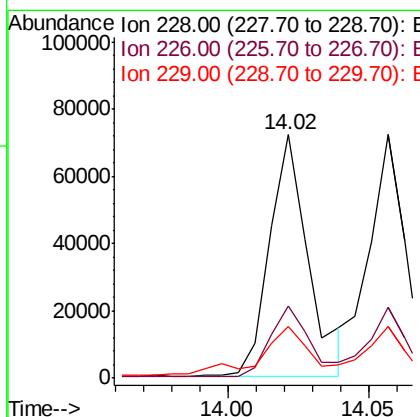
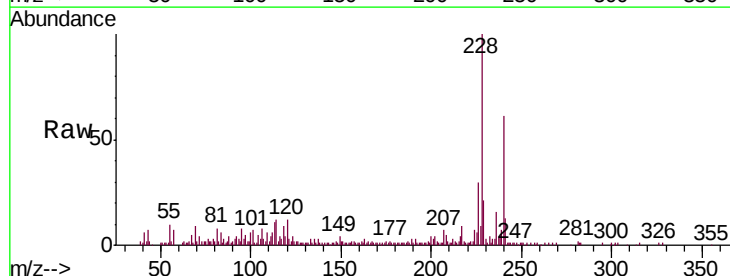
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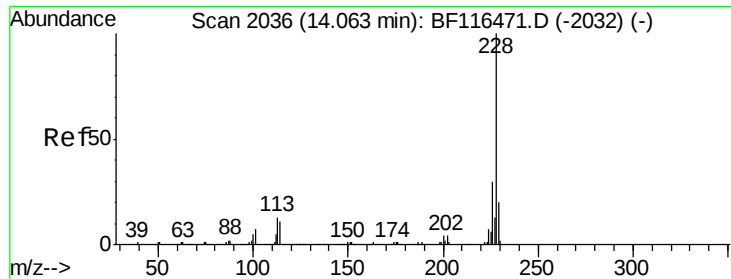
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#81
 Benzo(a)anthracene
 Concen: 5.066 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116501.D
 Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.8	32.6
229	21.2	15.9	23.9





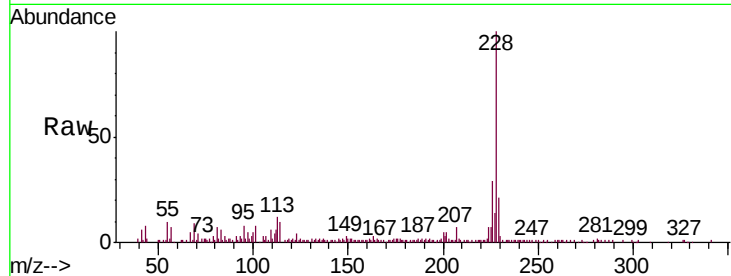
#83
Chrysene
Concen: 4.557 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Instrument :
BNA_F
ClientSampled :
HD-02-082119

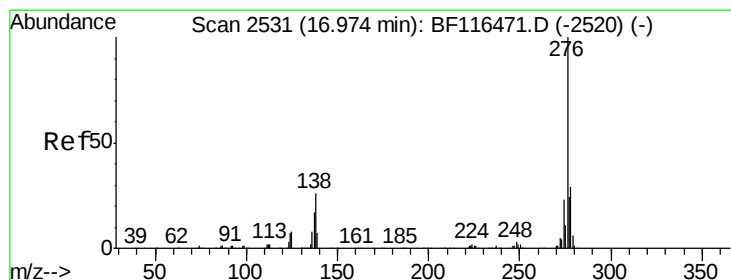
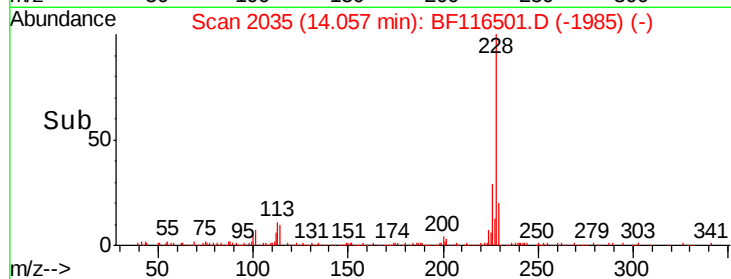
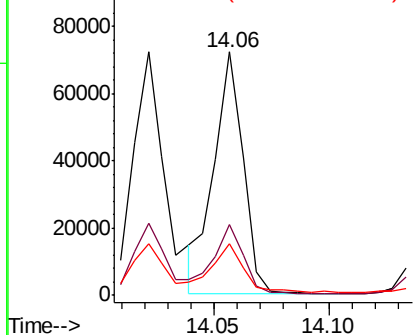
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.2	36.2
229	21.0	15.8	23.6

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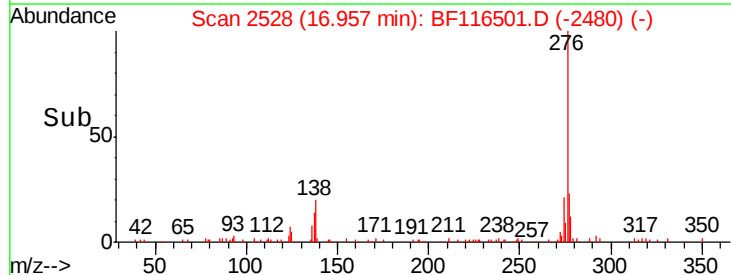
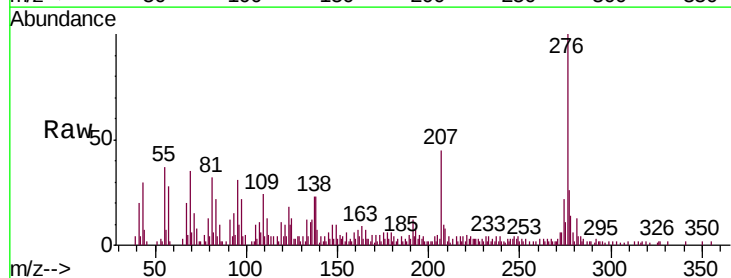
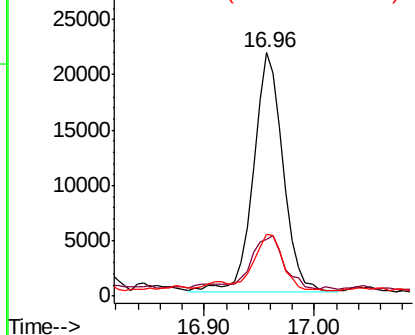
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

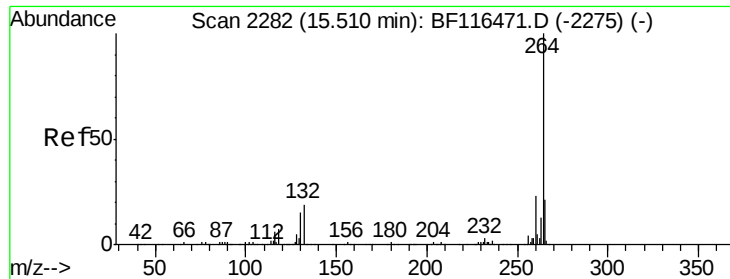


#86
Indeno(1,2,3-cd)pyrene
Concen: 3.443 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	22.9	34.3
277	23.5	19.9	29.9

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116501.D

Acq: 24 Aug 2019 2:17

Instrument :

BNA_F

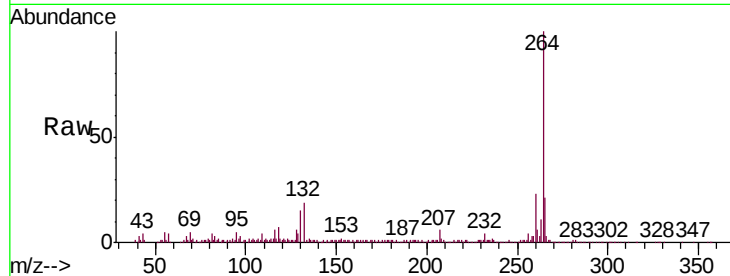
ClientSampleId :

HD-02-082119

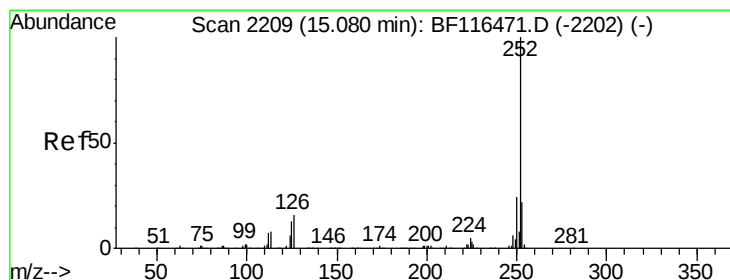
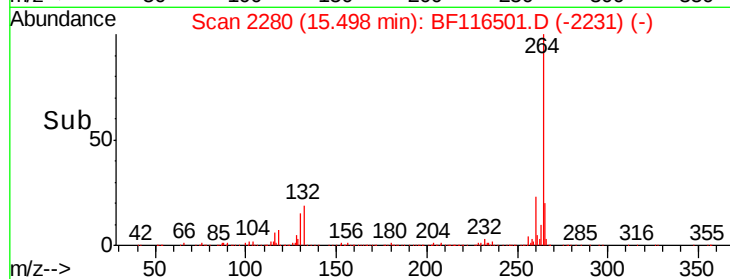
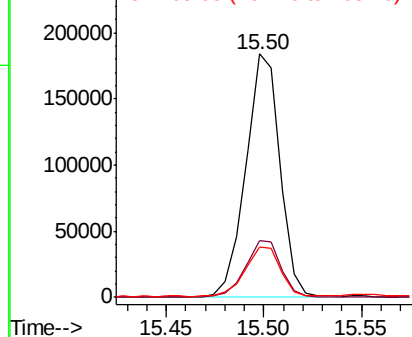
Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.4	18.8	28.2	
265	20.9	17.1	25.7	

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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: 6.210 ng m

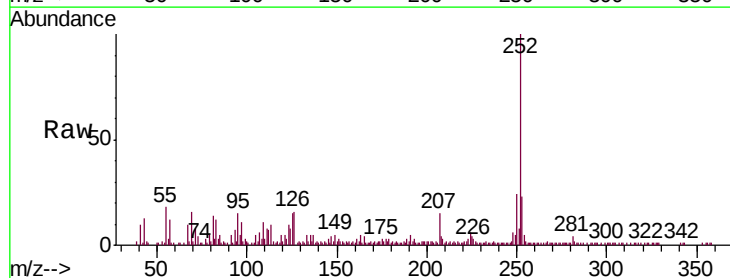
RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

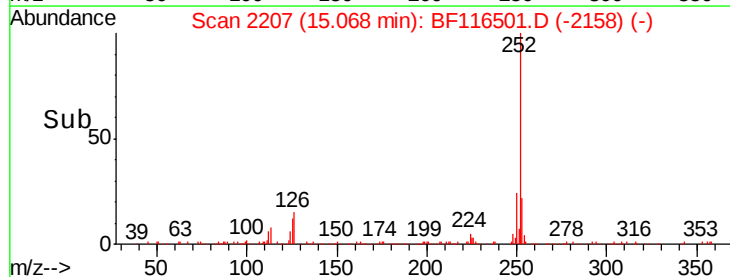
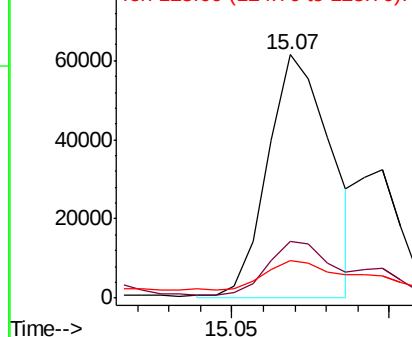
Lab File: BF116501.D

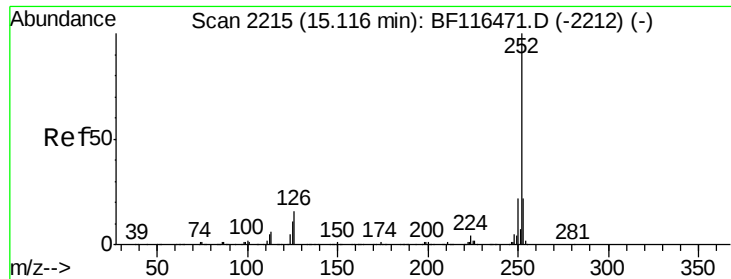
Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.5	26.3	
125	15.4	10.1	15.1#	



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





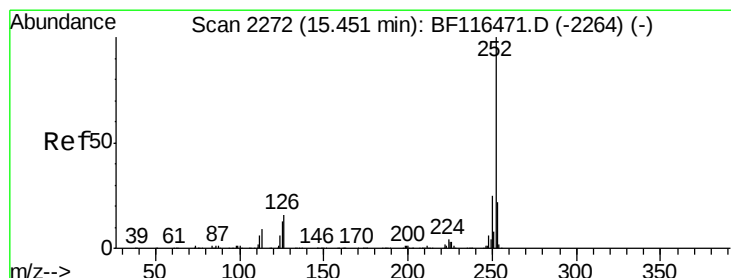
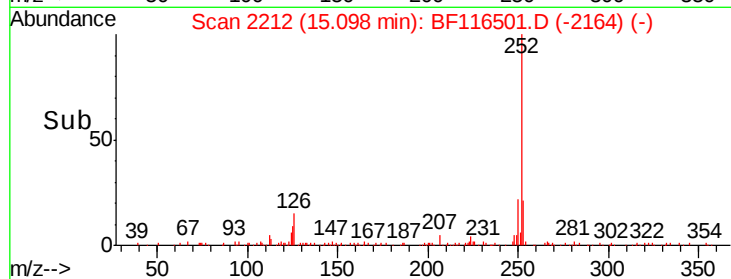
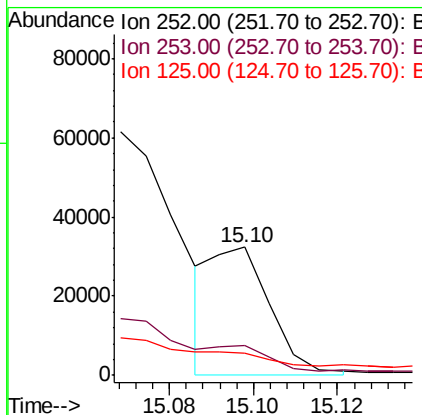
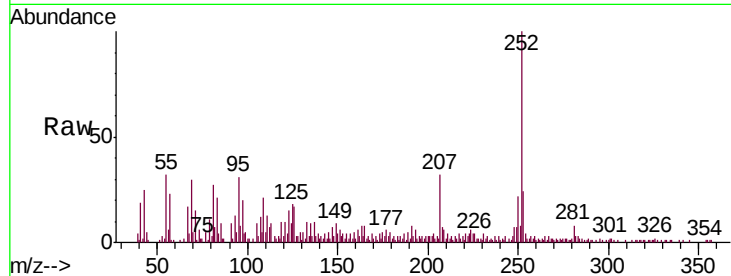
#89
Benzo(k)fluoranthene
Concen: 2.501 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	17.5	9.1	13.7

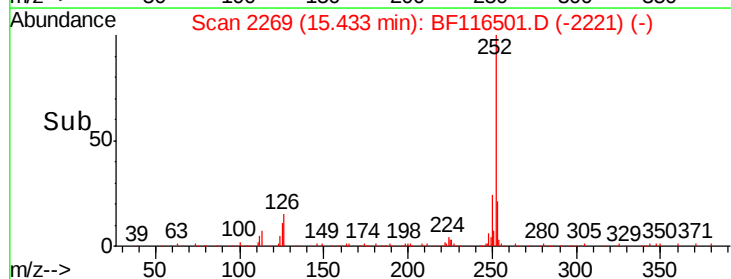
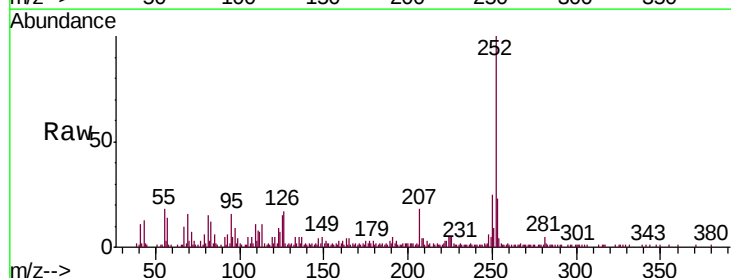
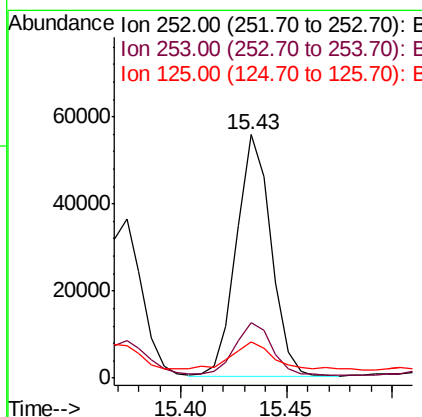
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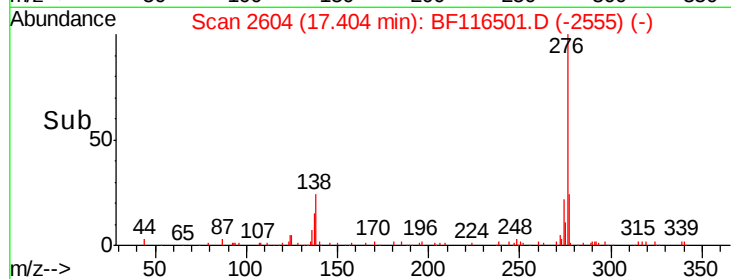
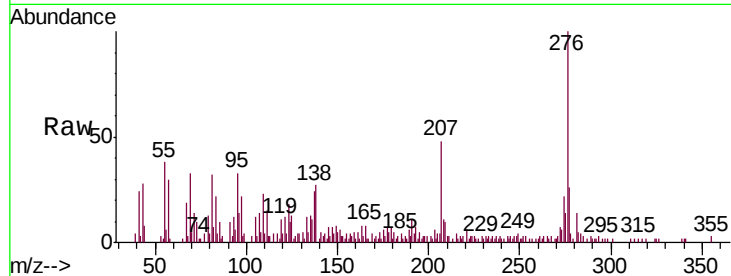
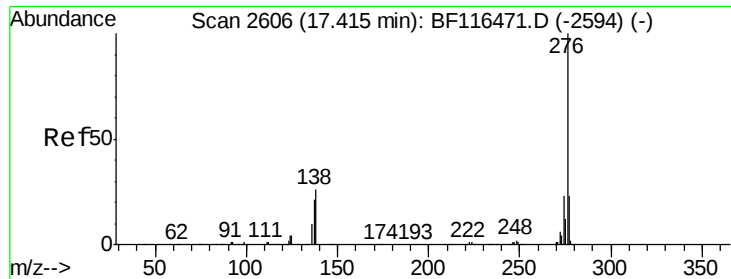
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#90
Benzo(a)pyrene
Concen: 5.185 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116501.D
Acq: 24 Aug 2019 2:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	15.1	10.2	15.4





#92
 Benzo(a,h,i)perylene
 Concen: 4.073 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BF116501.D
 Acq: 24 Aug 2019 2:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-082119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	26.1		18.7	28.1	
138	27.0		20.8	31.2	

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