

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116531.D
 Acq On : 25 Aug 2019 14:53
 Operator : HP/JU
 Sample : K4493-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-K1-K4-(0-1.9)

Manual Integrations
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Quant Time: Aug 26 07:19:34 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	146774	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	565668	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	272158	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	409688	20.00	ng	0.00
76) Chrysene-d12	14.03	240	221869	20.00	ng	0.00
87) Perylene-d12	15.50	264	237604	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	826360	82.26	ng	0.01
7) Phenol-d6	6.51	99	1121377	91.04	ng	0.00
23) Nitrobenzene-d5	7.44	82	709403	68.61	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	175946	75.29	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1132810	67.03	ng	0.00
79) Terphenyl-d14	12.98	244	824479	69.41	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.62	163	105704	5.567	ng	99
71) Phenanthrene	11.42	178	108708	4.871	ng	98
75) Fluoranthene	12.61	202	153438	6.650	ng	96
78) Pyrene	12.84	202	130539	7.357	ng	98
81) Benzo(a)anthracene	14.02	228	52494	3.653	ng	94
83) Chrysene	14.06	228	56810	3.901	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	21213	2.076	ng	95
86) Indeno(1,2,3-cd)pyrene	16.96	276	35839	2.873	ng	93
88) Benzo(b)fluoranthene	15.07	252	78496m	5.348	ng	
90) Benzo(a)pyrene	15.43	252	50622	3.902	ng	# 94
92) Benzo(g,h,i)perylene	17.39	276	36849	3.626	ng	97

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

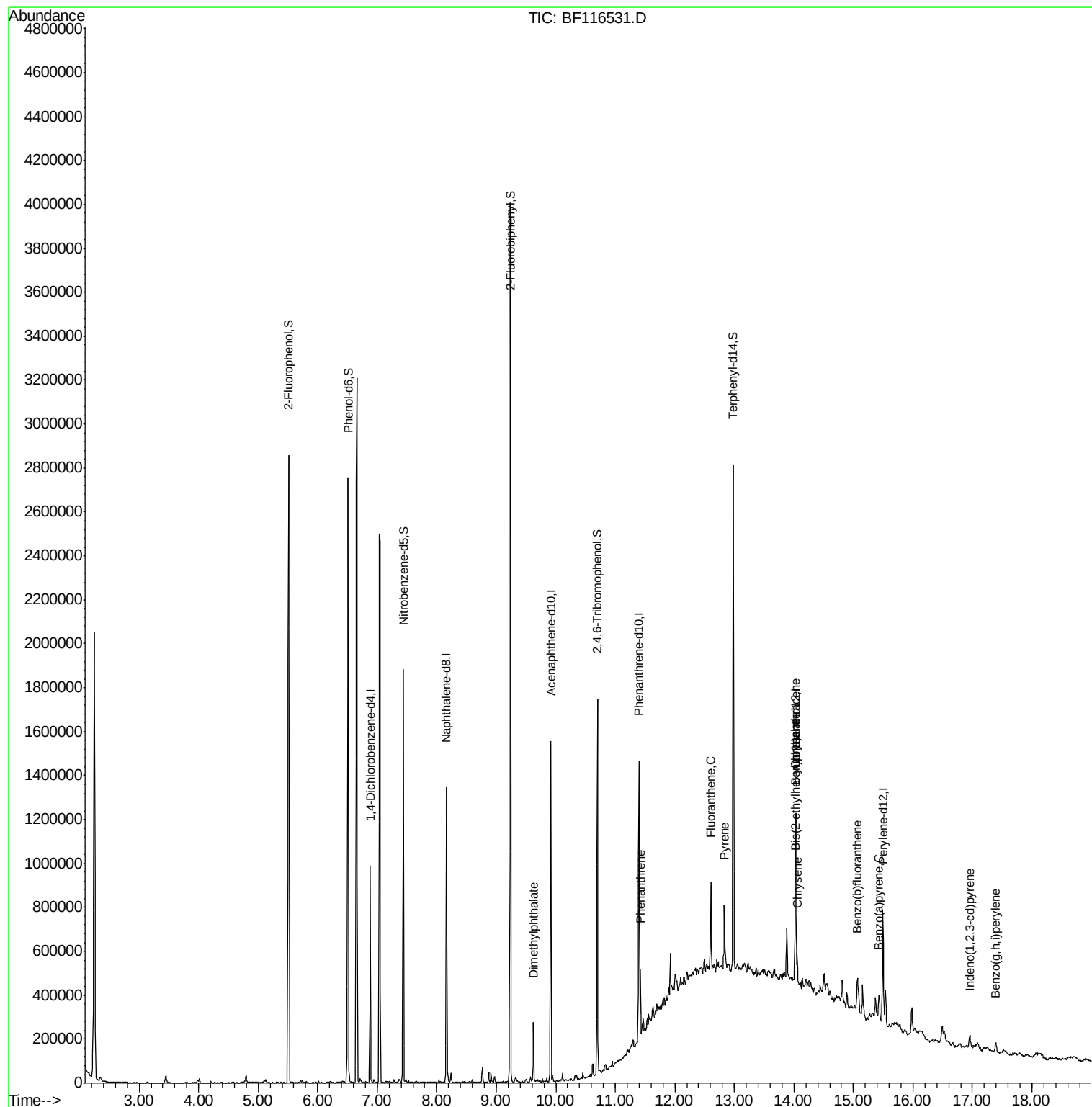
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116531.D
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ALS Vial : 7 Sample Multiplier: 1

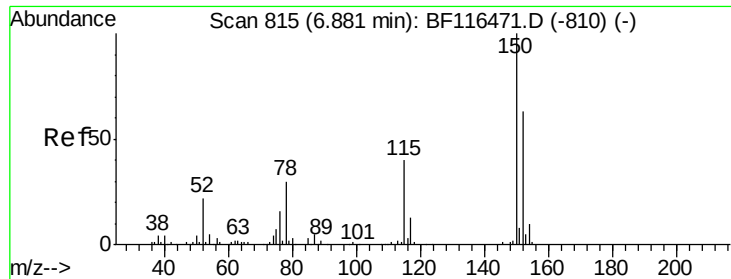
Instrument :
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T9-12-13-K1-K4-(0-1.9)

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#1

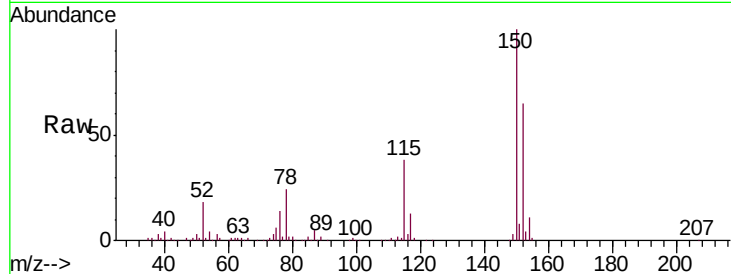
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :
T9-12-13-K1-K4-(0-1.9)

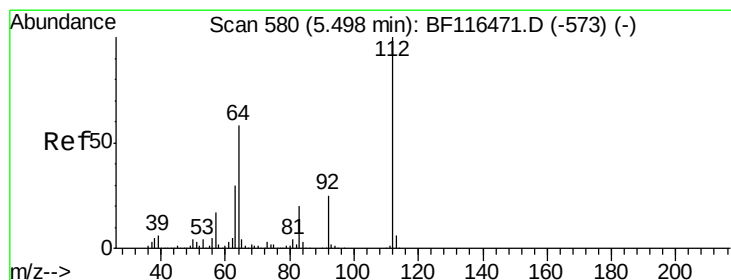
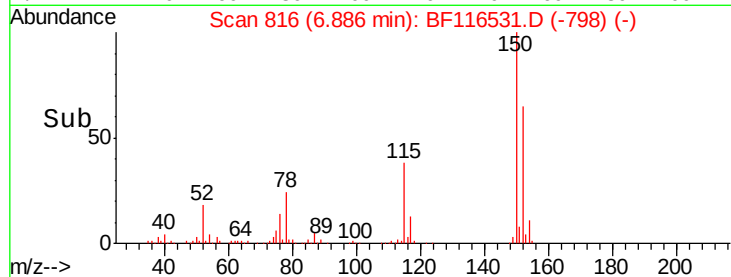
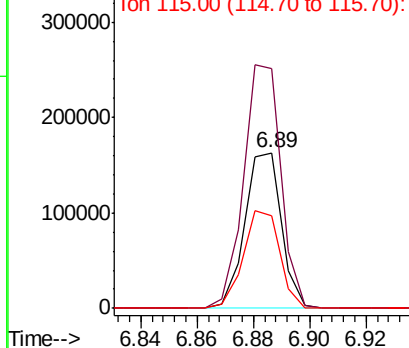
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.7	190.1
115	59.3	50.9	76.3

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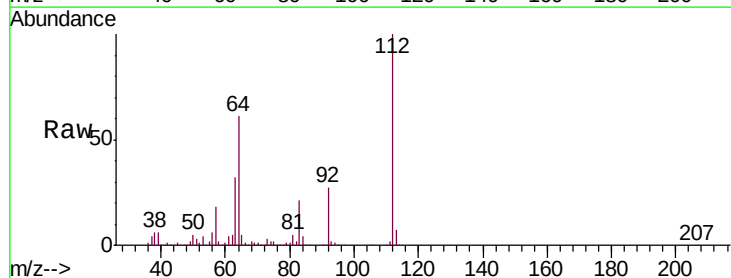
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



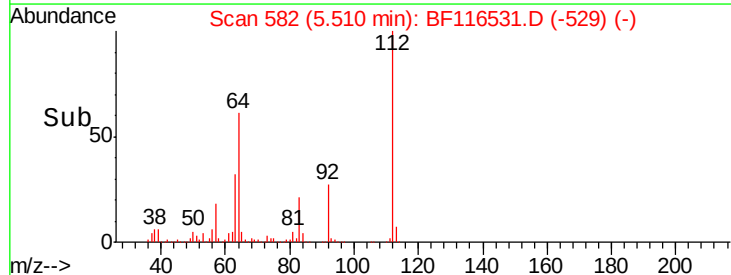
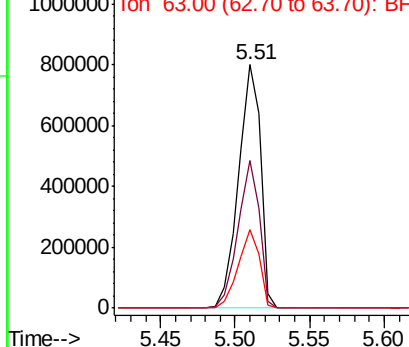
#5

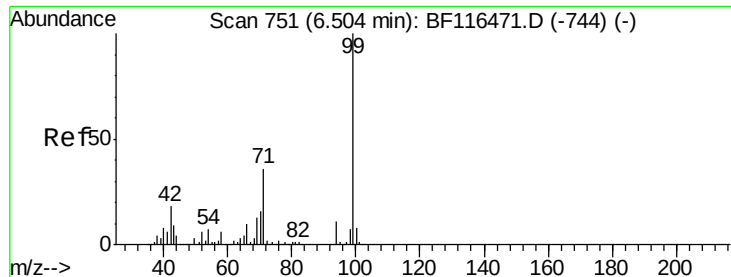
2-Fluorophenol
Concen: 82.265 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.3	69.5
63	32.1	24.2	36.4



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: 91.044 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

T9-12-13-K1-K4-(0-1.9)

Tot Ion: 99 Resp: 1121377

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

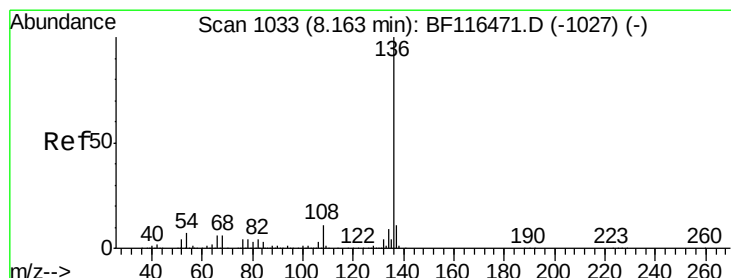
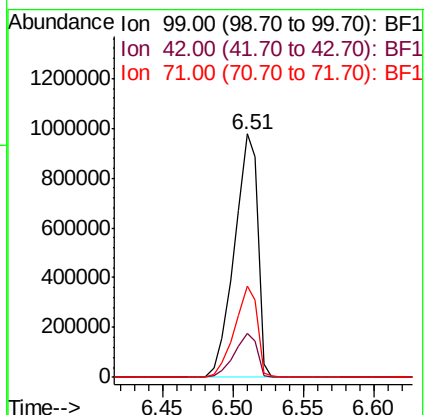
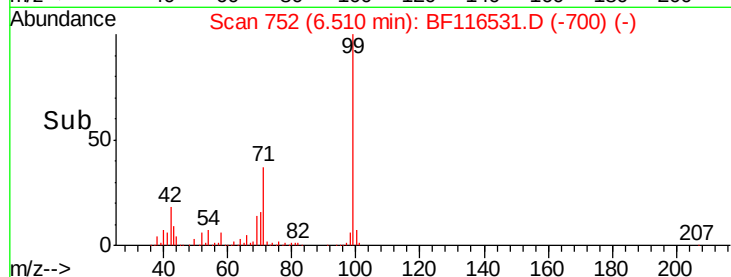
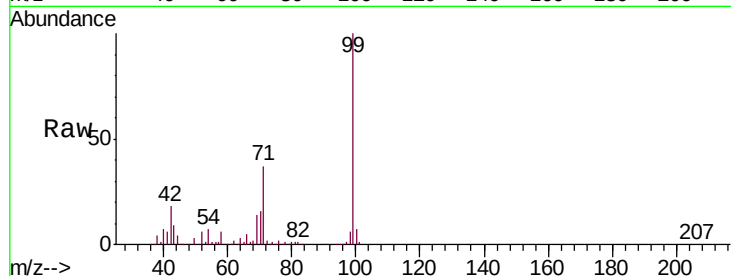
71 37.4 28.5 42.7

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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: BF116531.D

Acq: 25 Aug 2019 14:53

Tgt Ion: 136 Resp: 565668

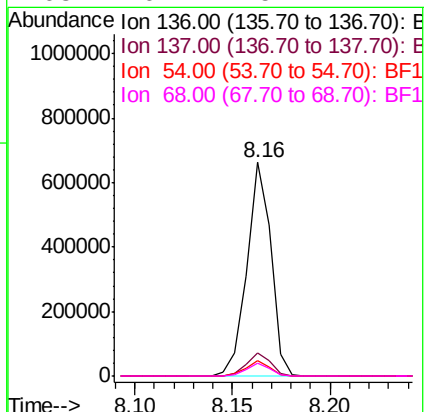
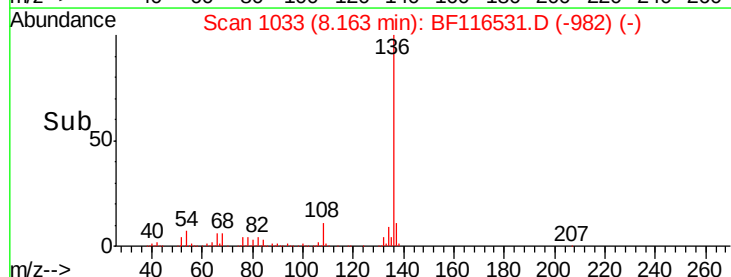
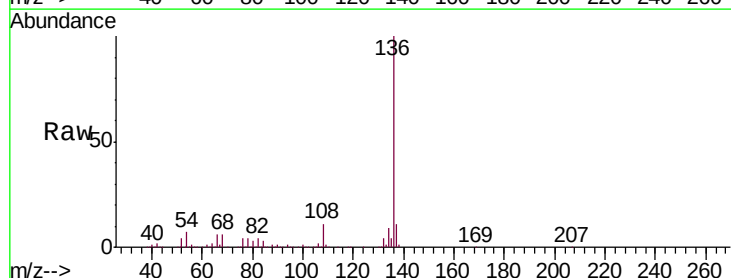
Ion Ratio Lower Upper

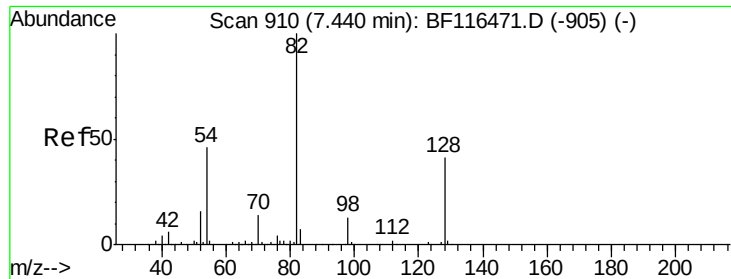
136 100

137 11.0 9.0 13.4

54 7.1 5.8 8.6

68 6.1 5.1 7.7





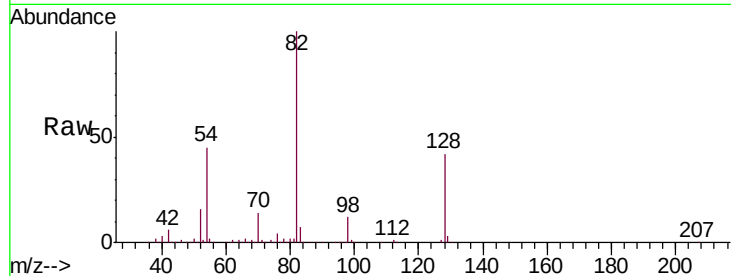
#23
Nitrobenzene-d5
Concen: 68.612 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :
T9-12-13-K1-K4-(0-1.9)

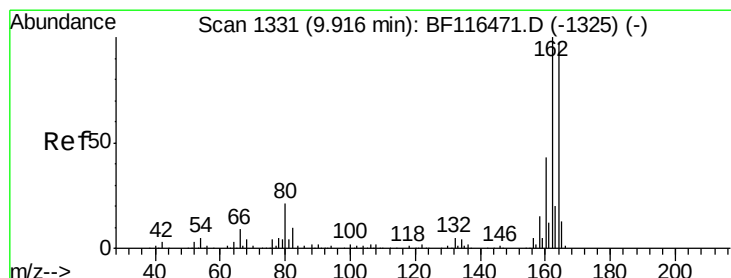
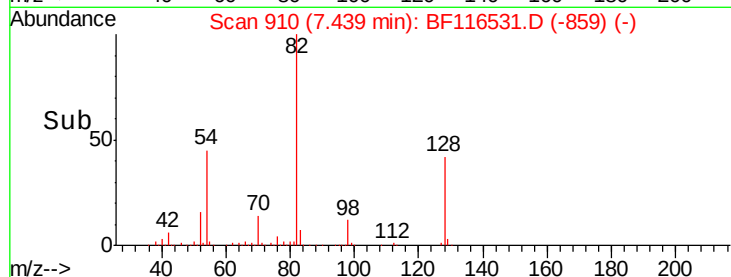
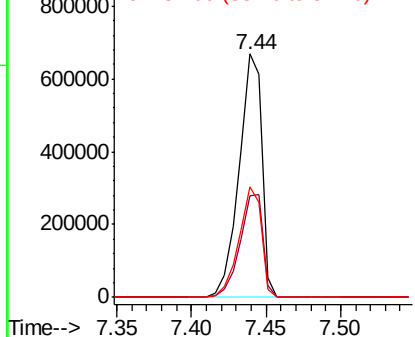
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.2	48.4
54	45.5	36.5	54.7

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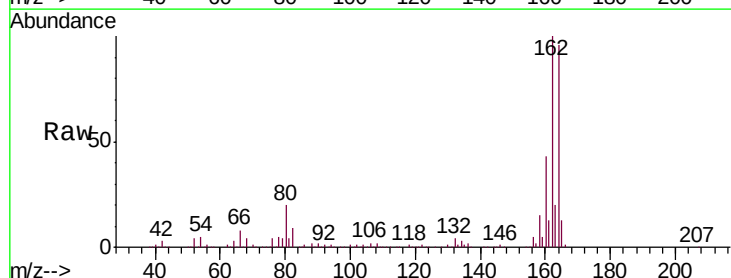


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

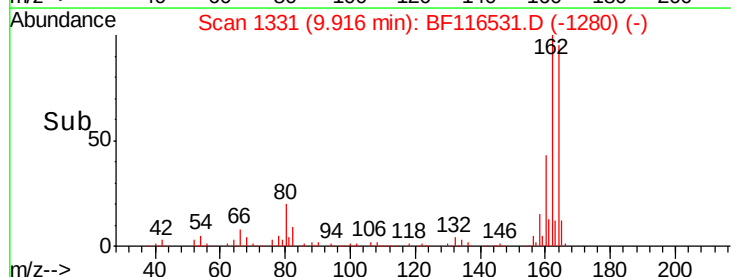
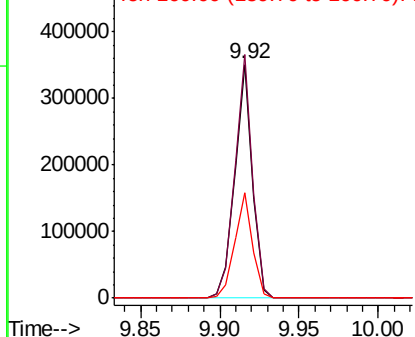


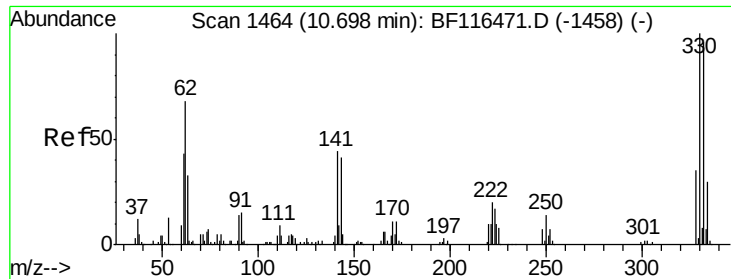
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	44.9	35.8	53.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 75.289 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

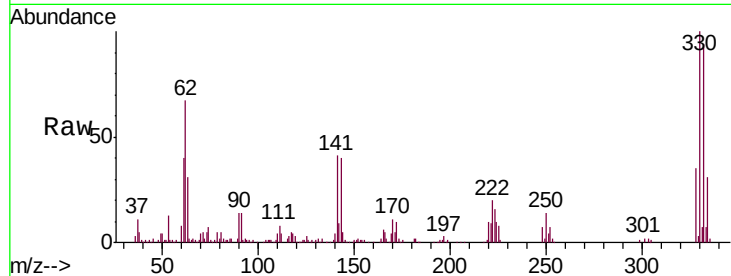
ClientSampleId :

T9-12-13-K1-K4-(0-1.9)

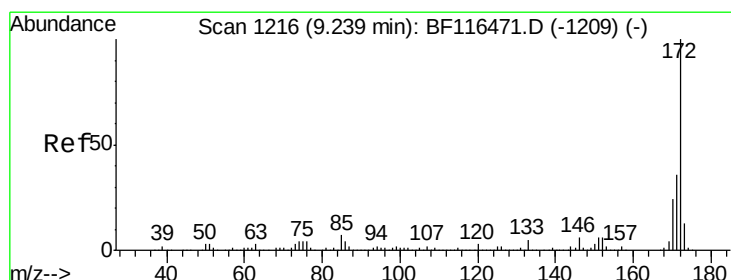
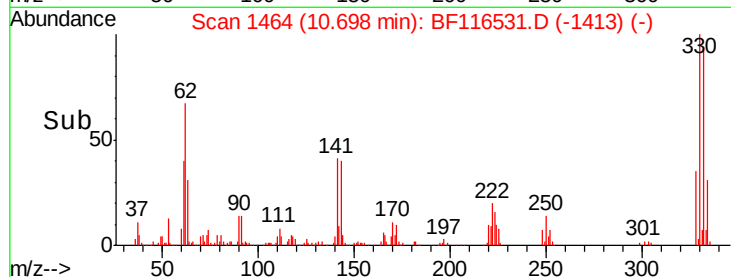
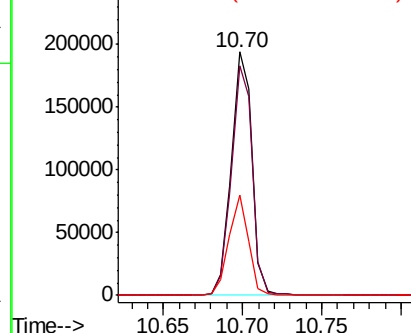
Tot Ion:	330	Resp:	175946
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.2	115.8
141	39.3	33.3	49.9

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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: 67.030 ng

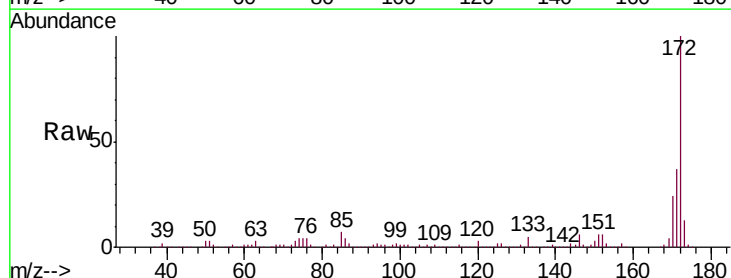
RT: 9.24 min Scan# 1216

Delta R.T. -0.00 min

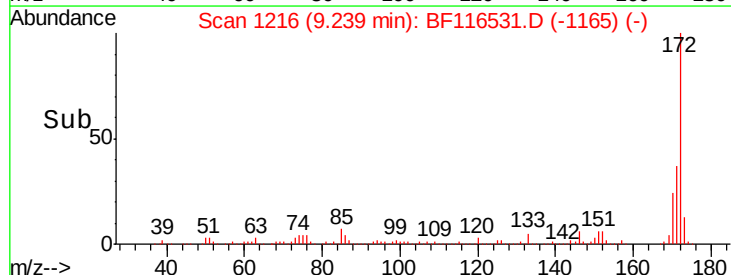
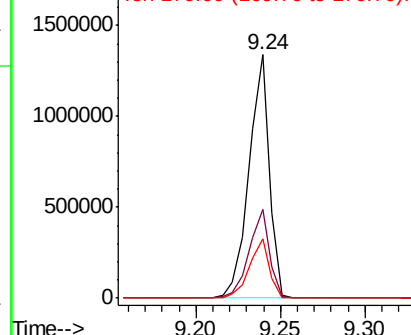
Lab File: BF116531.D

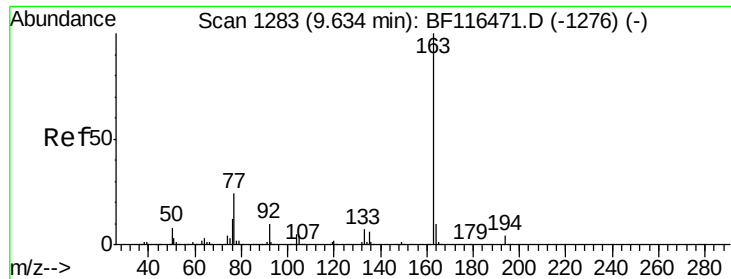
Acq: 25 Aug 2019 14:53

Tgt Ion:	172	Resp:	1132810
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.9	43.3
170	24.1	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





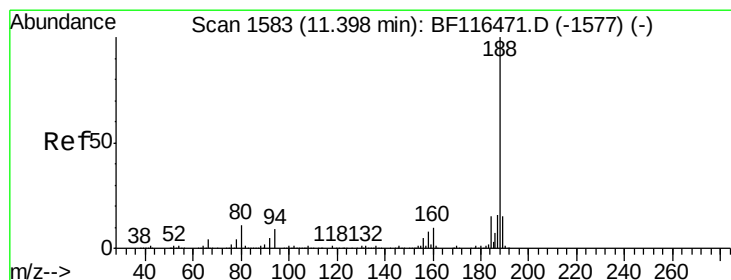
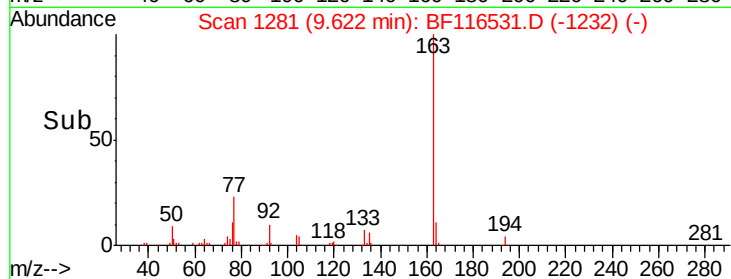
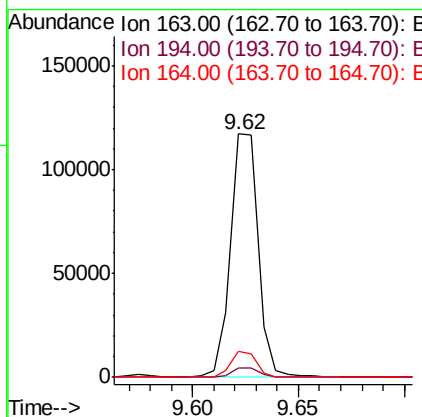
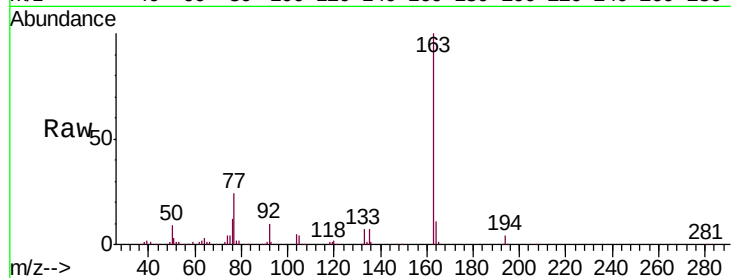
#50
Dimethylphthalate
Concen: 5.567 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :
T9-12-13-K1-K4-(0-1.9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		105704		
194	3.8		2.9	4.3	
164	10.5		8.2	12.2	

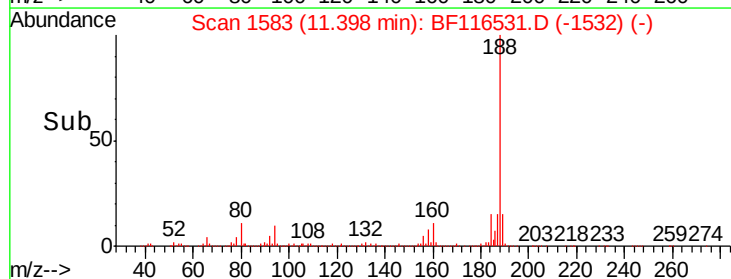
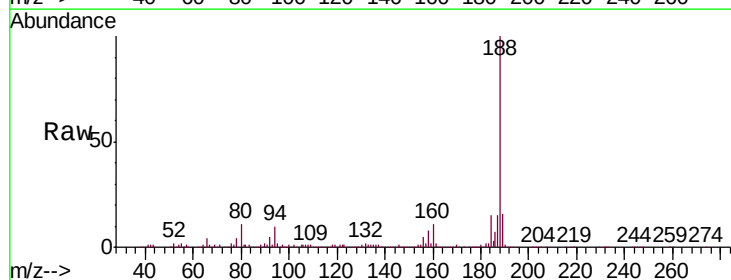
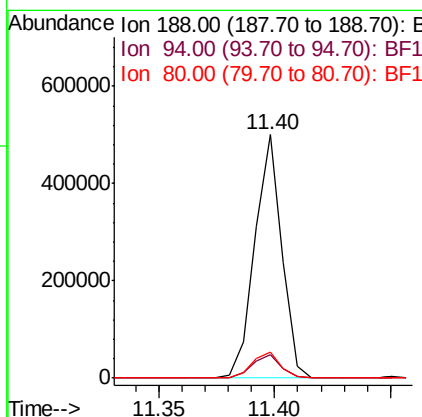
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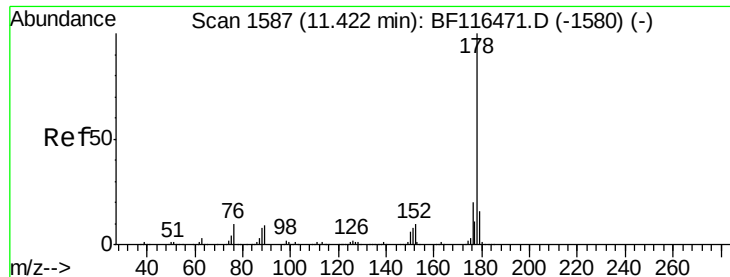
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		409688		
94	9.8		7.4	11.2	
80	10.6		8.6	12.8	





#71

Phenanthrene

Concen: 4.871 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

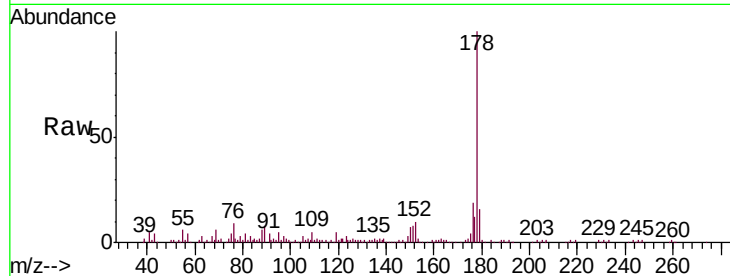
ClientSampleId :

T9-12-13-K1-K4-(0-1.9)

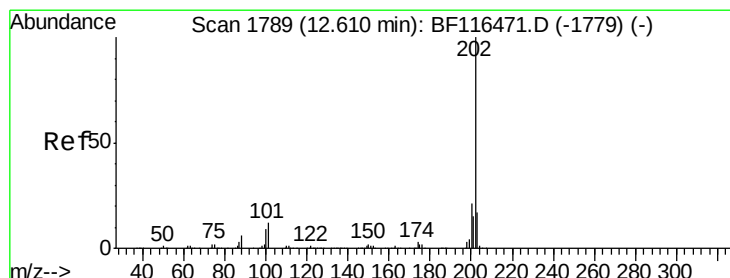
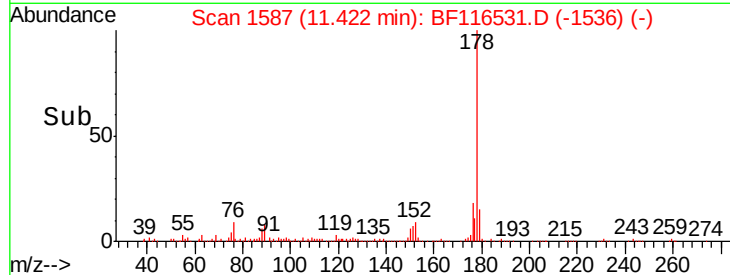
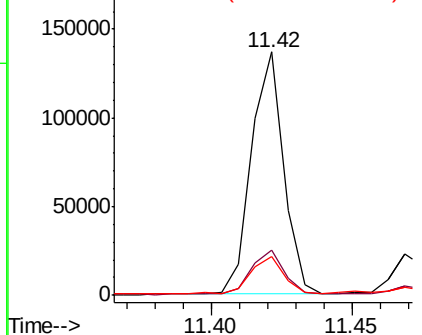
Tot Ion:178	Resp:	108708
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.8 23.6
179	15.7	12.8 19.2

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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: 6.650 ng

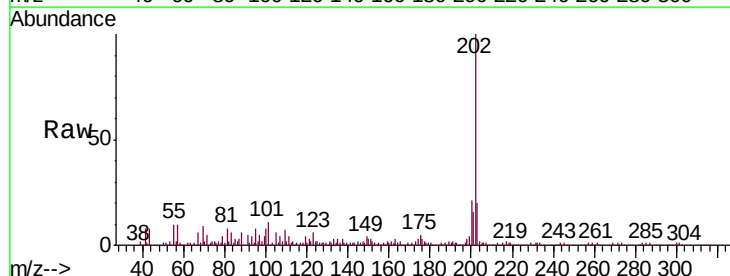
RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

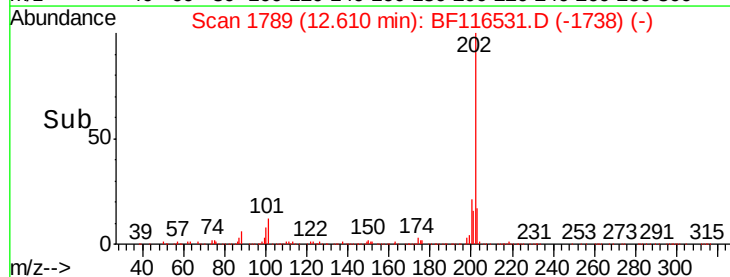
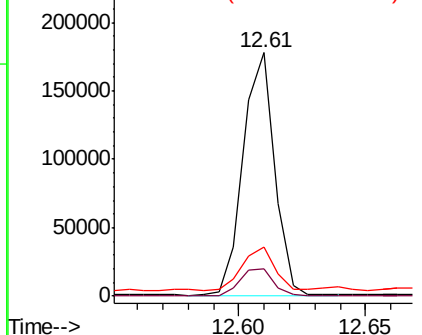
Lab File: BF116531.D

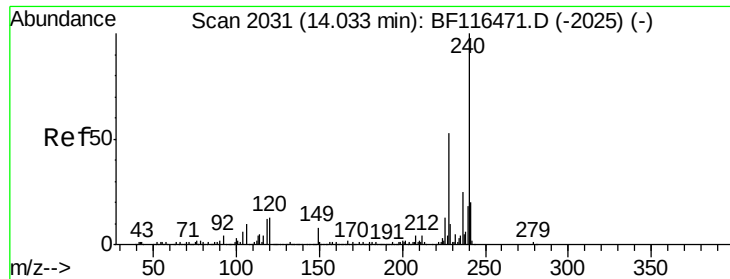
Acq: 25 Aug 2019 14:53

Tgt Ion:202	Resp:	153438
Ion Ratio	Lower	Upper
202	100	
101	11.5	0.0 31.5
203	20.1	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





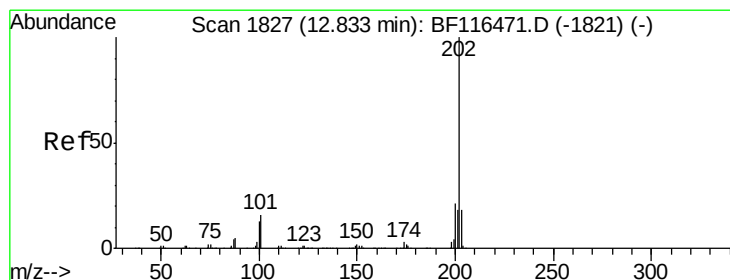
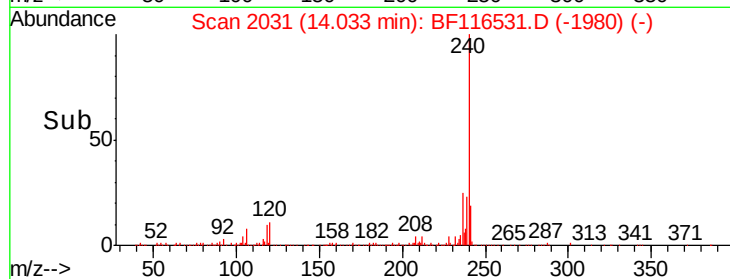
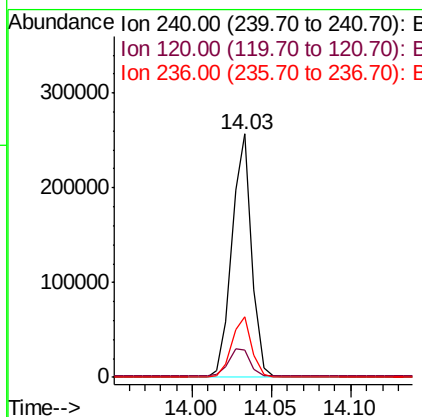
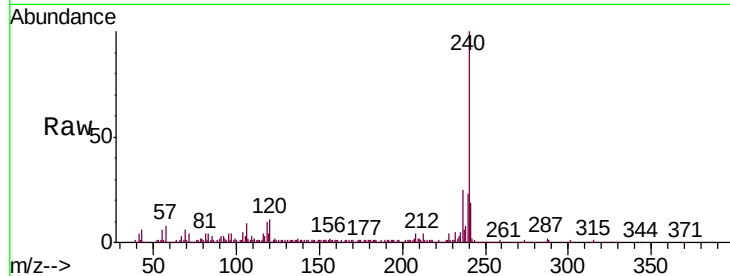
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :
T9-12-13-K1-K4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.5	15.7
236	25.0	20.2	30.2

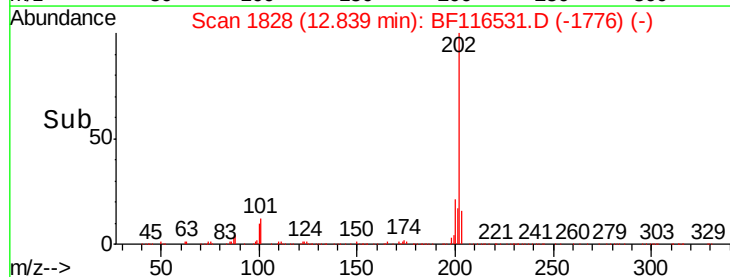
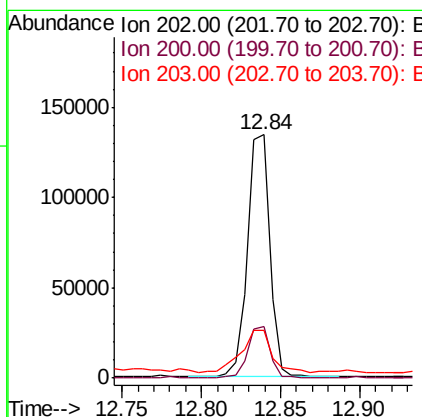
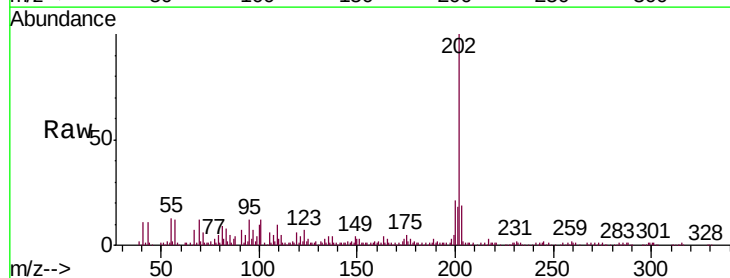
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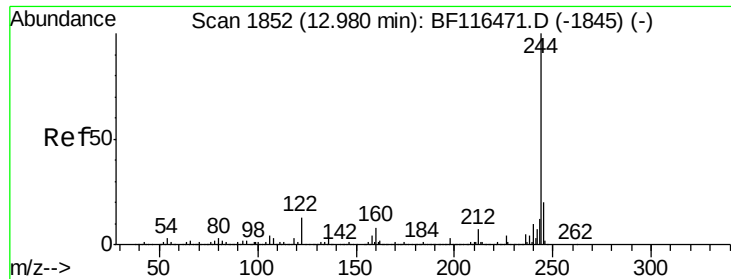
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#78
Pyrene
Concen: 7.357 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	19.5	14.2	21.4





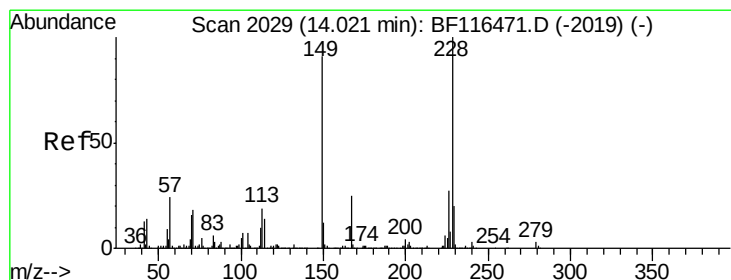
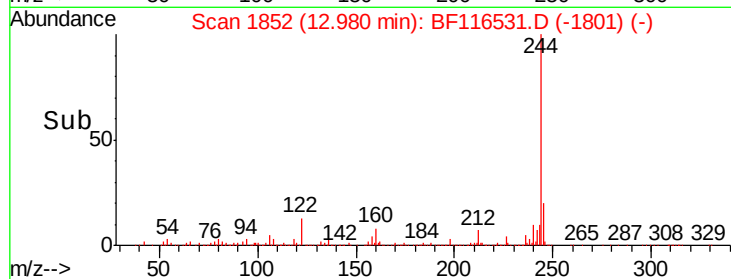
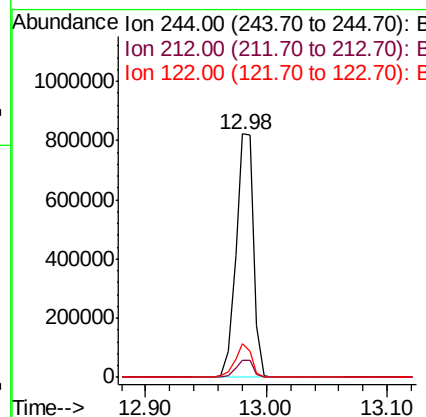
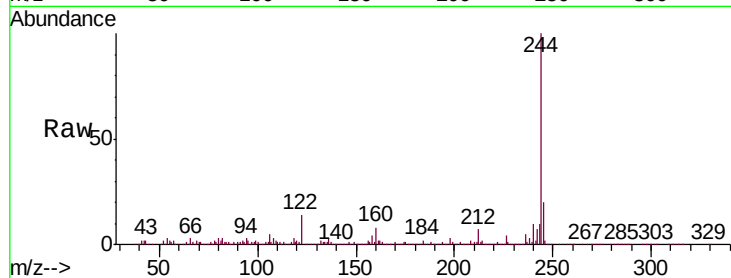
#79
 Terphenyl-d14
 Concen: 69.412 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-K1-K4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	13.6	10.2	15.4

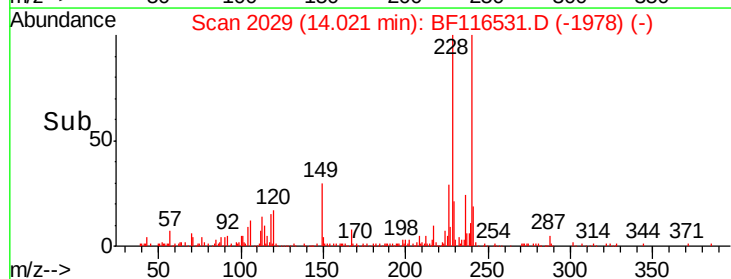
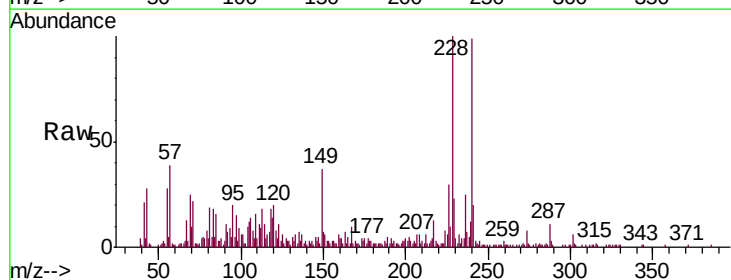
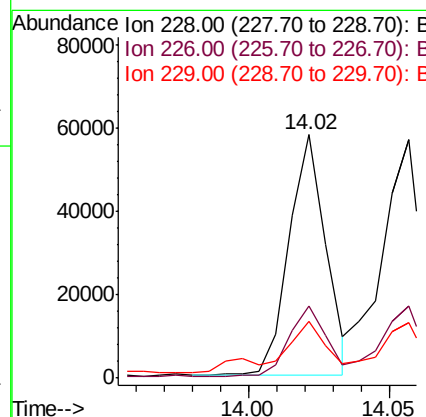
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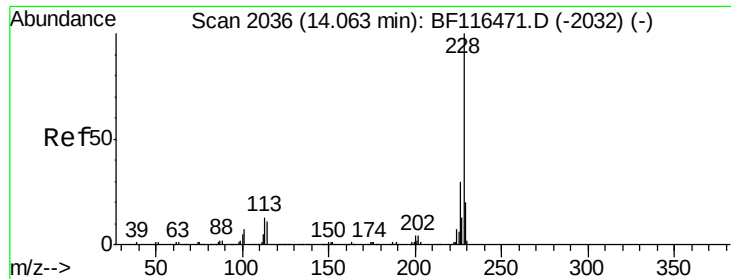
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#81
 Benzo(a)anthracene
 Concen: 3.653 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.8	32.6
229	23.2	15.9	23.9





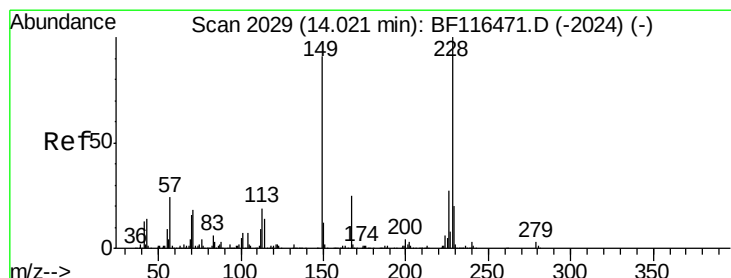
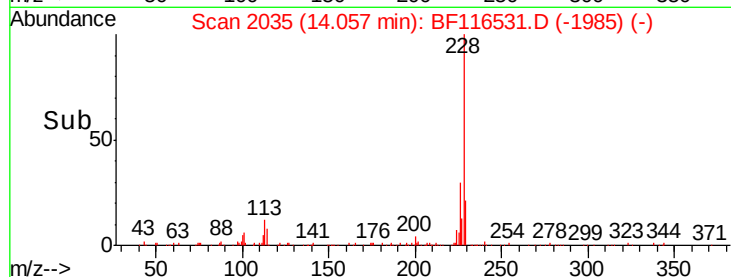
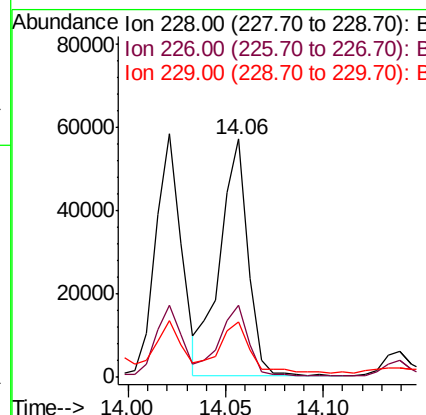
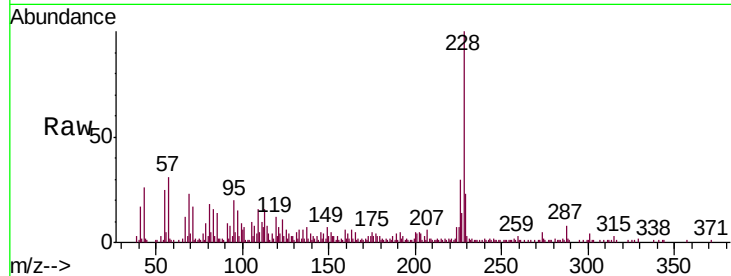
#83
 Chrysene
 Concen: 3.901 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-K1-K4-(0-1.9)

Tot Ion:228	Resp:	56810
Ion Ratio	Lower	Upper
228 100		
226 30.5	24.2	36.2
229 23.0	15.8	23.6

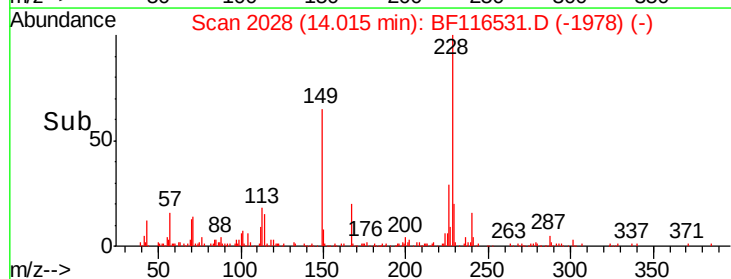
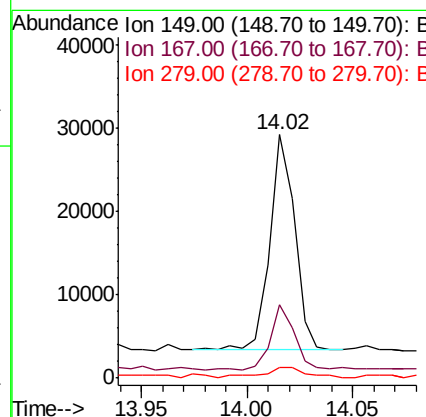
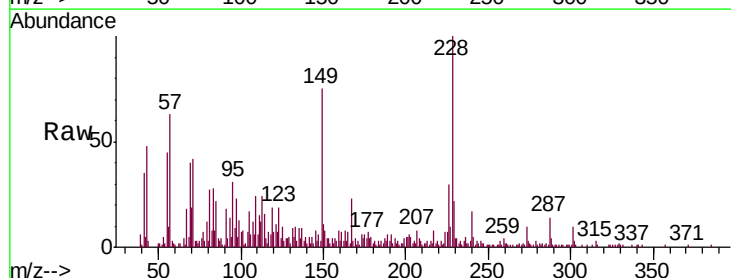
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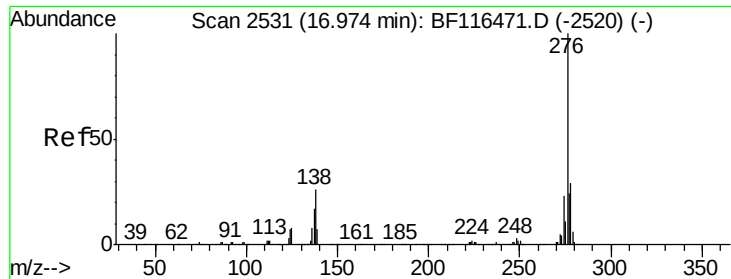
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.076 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Tgt Ion:149	Resp:	21213
Ion Ratio	Lower	Upper
149 100		
167 30.2	21.8	32.6
279 4.2	3.0	4.4





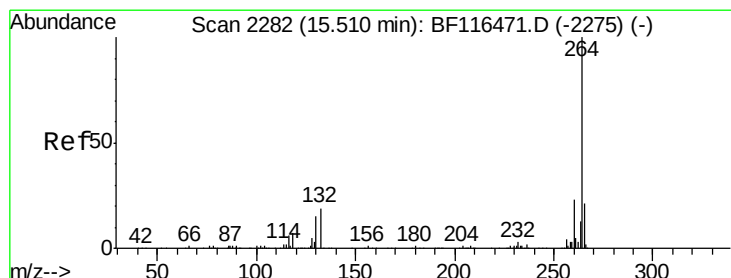
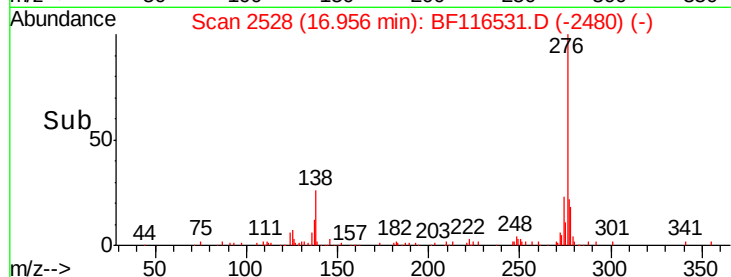
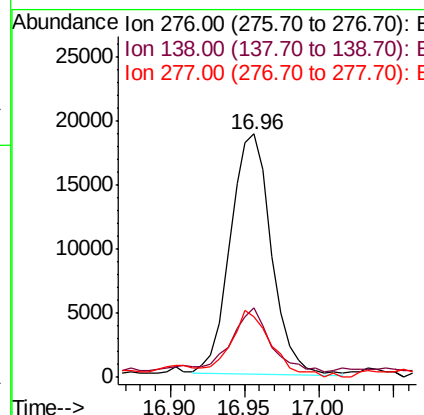
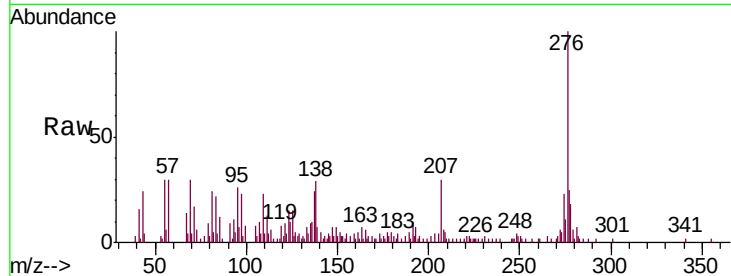
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.873 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :
T9-12-13-K1-K4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	22.9	34.3
277	28.1	19.9	29.9

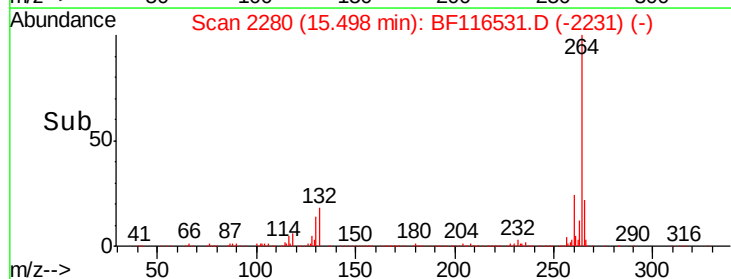
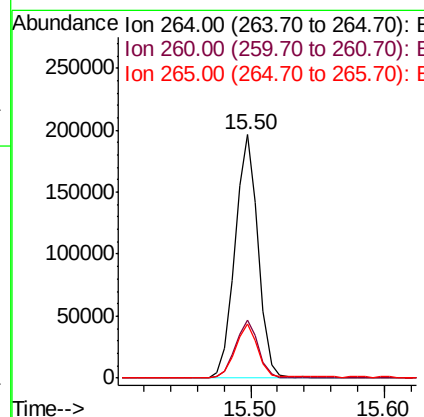
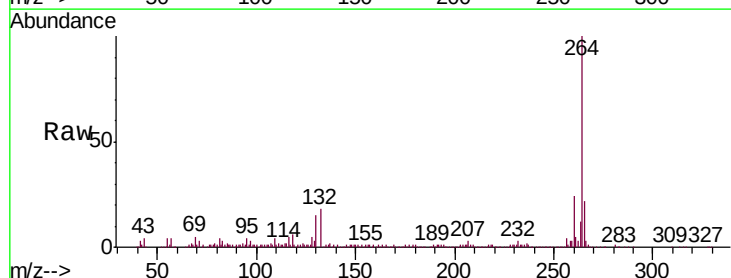
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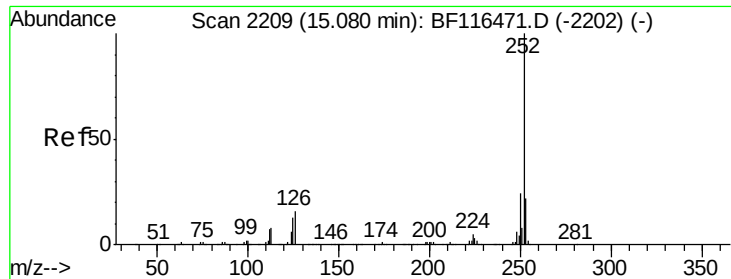
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.5	17.1	25.7





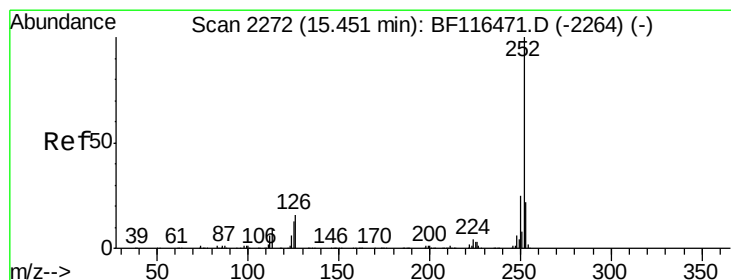
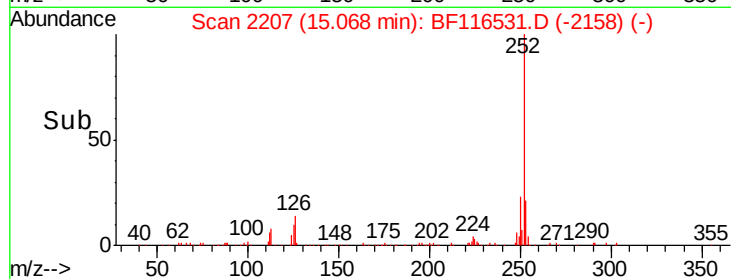
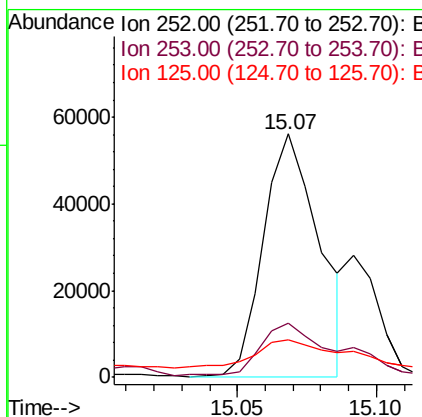
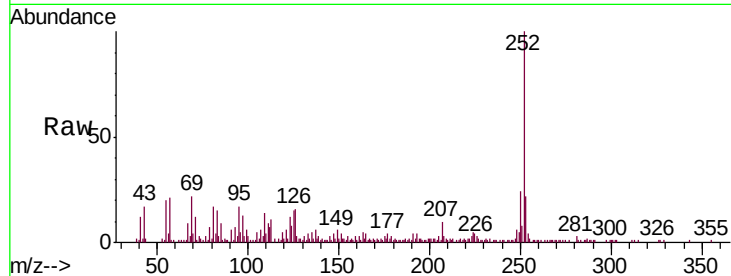
#88
Benzo(b)fluoranthene
Concen: 5.348 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :
T9-12-13-K1-K4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	15.3	10.1	15.1#

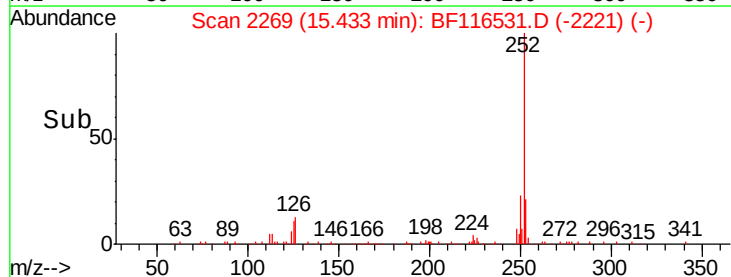
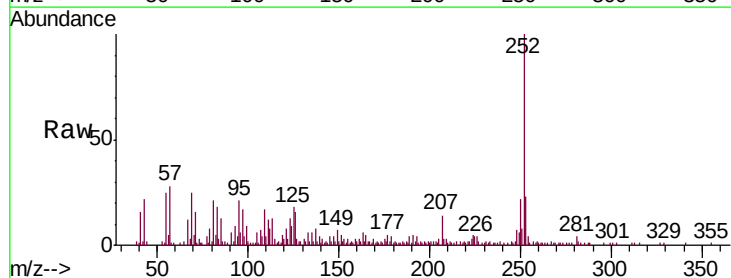
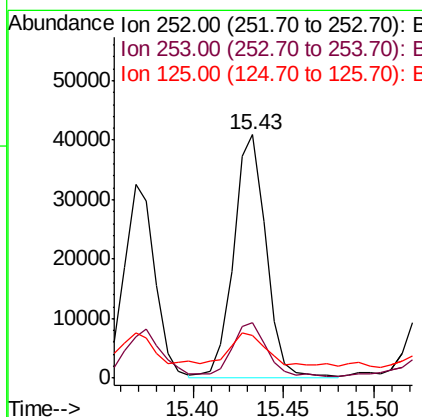
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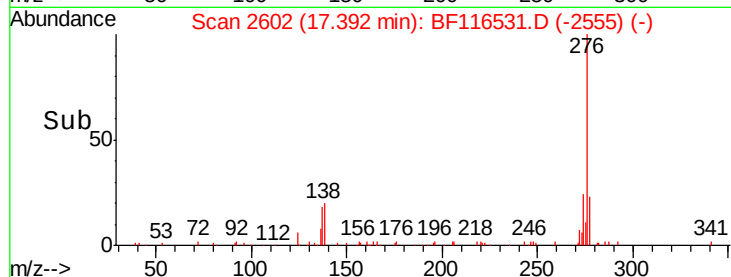
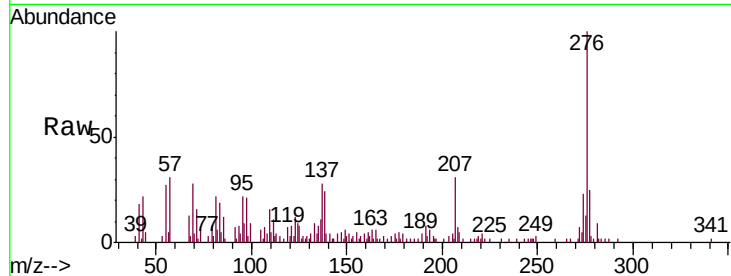
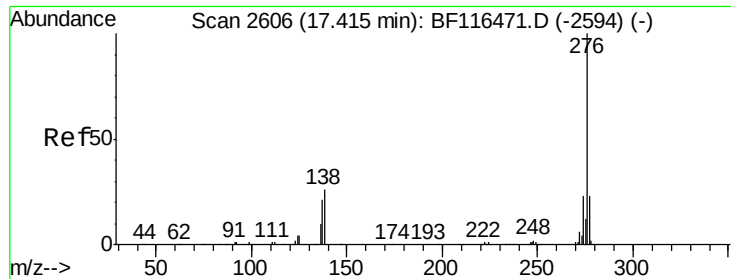
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#90
Benzo(a)pyrene
Concen: 3.902 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	17.7	10.2	15.4#





#92
 Benzo(a,h,i)perylene
 Concen: 3.626 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Tot Ion:	276	Resp:	36849
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.7	28.1
138	23.9	20.8	31.2

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-K1-K4-(0-1.9)

Manual Integrations
 APPROVED

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