

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116532.D
 Acq On : 25 Aug 2019 15:20
 Operator : HP/JU
 Sample : K4474-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-2-F1-F4

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:53:10 AM

Quant Time: Aug 26 07:22:50 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	6.88	152	141899	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	536995	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	257859	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	374572	20.00	ng	0.00
76) Chrysene-d12	14.03	240	206964	20.00	ng	0.00
87) Perylene-d12	15.50	264	224543	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	775250	79.83	ng	0.01
7) Phenol-d6	6.51	99	1049124	88.10	ng	0.00
23) Nitrobenzene-d5	7.44	82	661535	67.40	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	156869	70.85	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1147787	71.68	ng	0.00
79) Terphenyl-d14	12.98	244	822579	74.24	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	74618	2.872	ng	98
37) 2-Methylnaphthalene	8.87	142	35805	2.007	ng	95
50) Dimethylphthalate	9.62	163	110790	6.158	ng	99
71) Phenanthrene	11.42	178	109104	5.347	ng	99
75) Fluoranthene	12.61	202	113249	5.368	ng	98
78) Pyrene	12.83	202	109142	6.594	ng	99
81) Benzo(a)anthracene	14.02	228	49395	3.685	ng	95
83) Chrysene	14.06	228	55767	4.105	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	30567	2.626	ng	# 91
88) Benzo(b)fluoranthene	15.07	252	61846m	4.459	ng	
90) Benzo(a)pyrene	15.43	252	42937	3.502	ng	# 86
92) Benzo(a,h,i)perylene	17.40	276	28823	3.001	ng	95

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

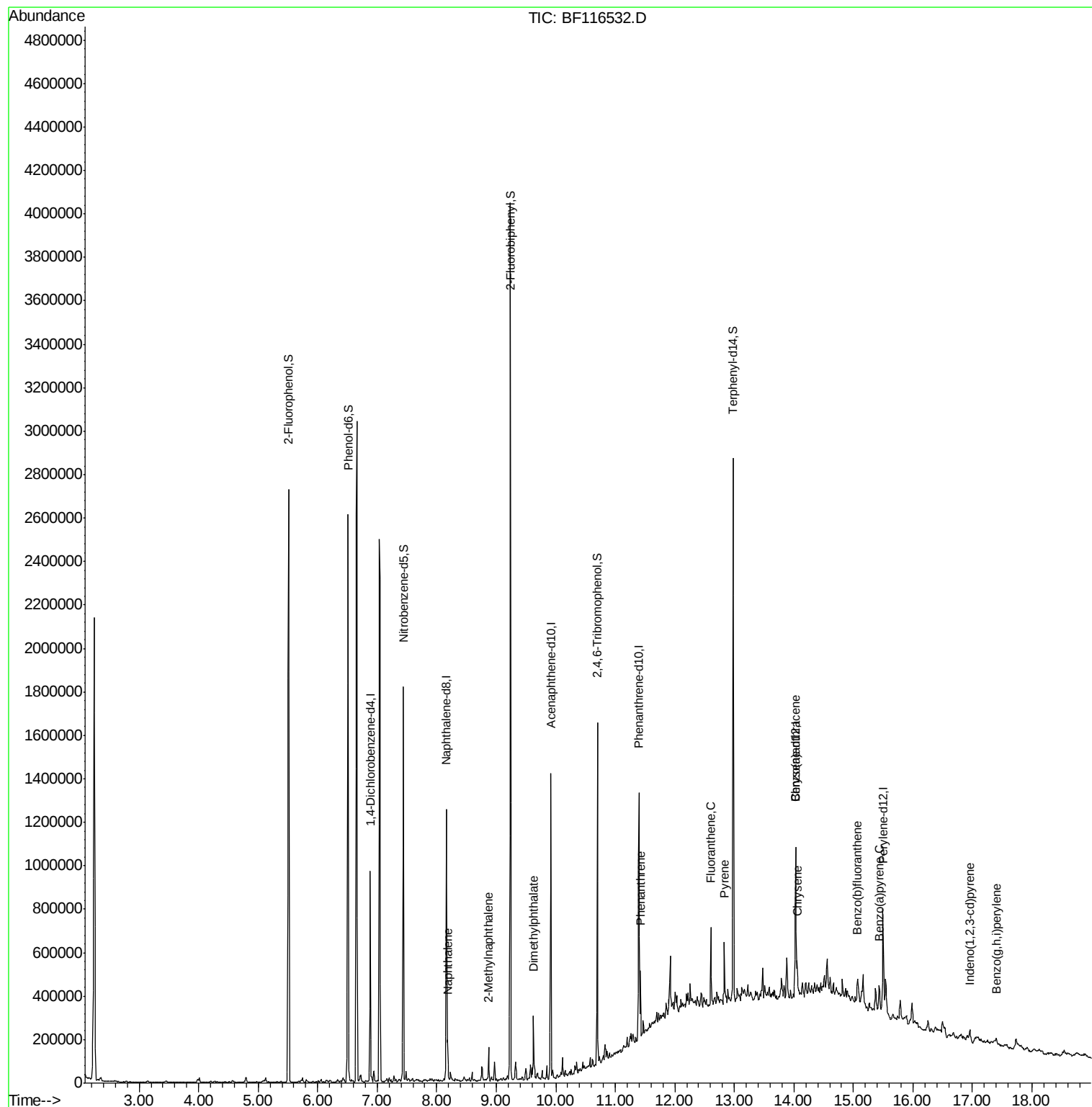
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116532.D
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Sample : K4474-09
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ALS Vial : 8 Sample Multiplier: 1

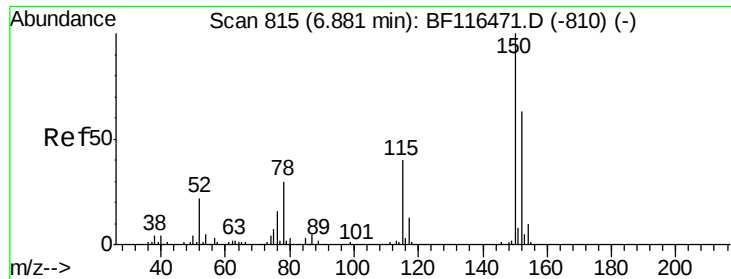
Instrument :
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#1

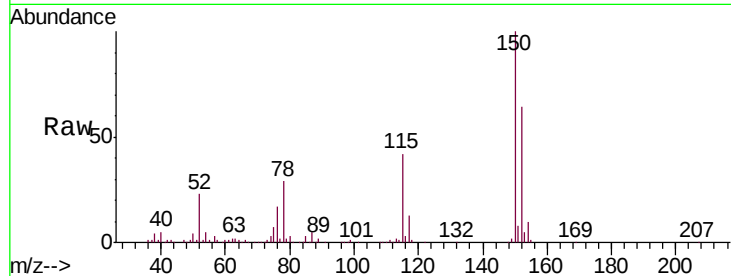
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampleId :
T1-2-F1-F4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.7	190.1
115	65.5	50.9	76.3

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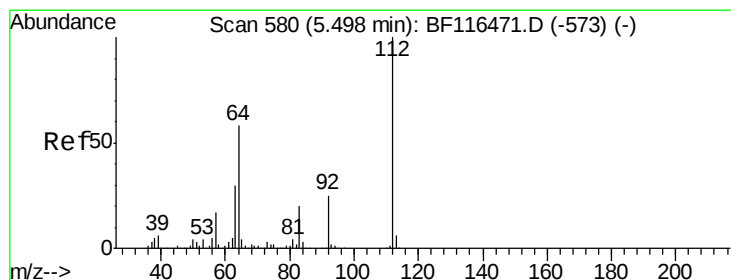
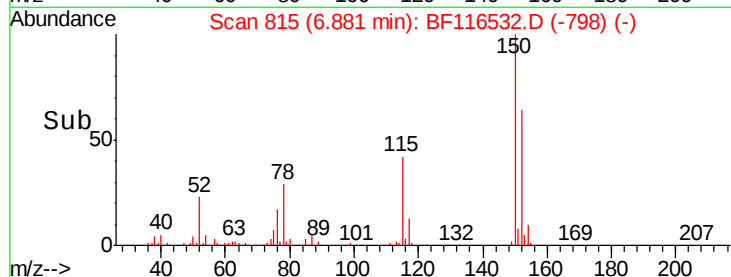
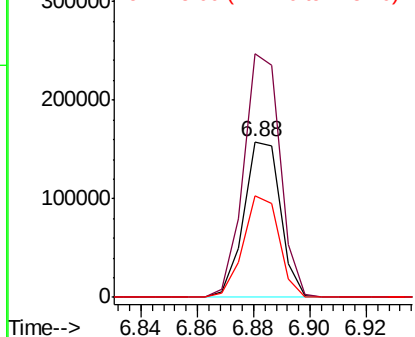


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

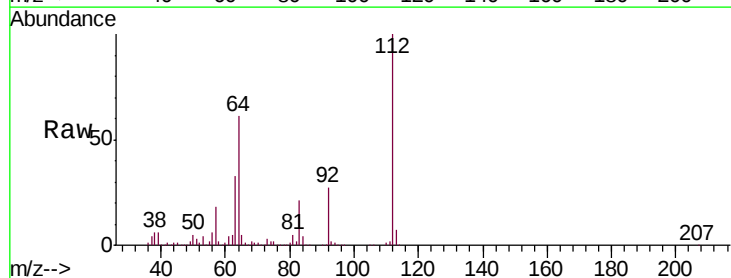
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.828 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	46.3	69.5
63	32.8	24.2	36.4

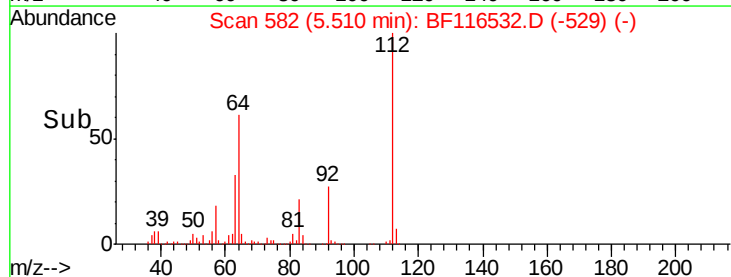
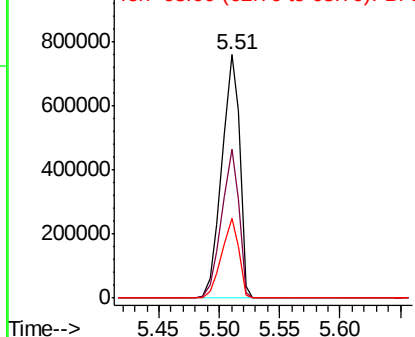


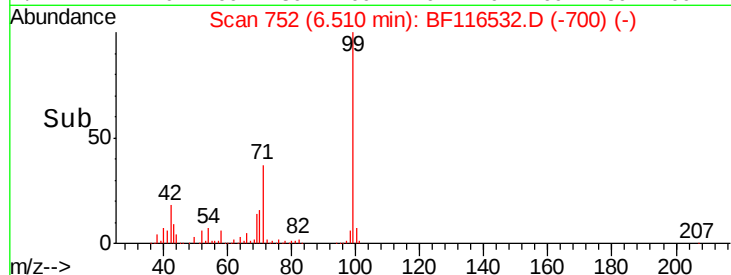
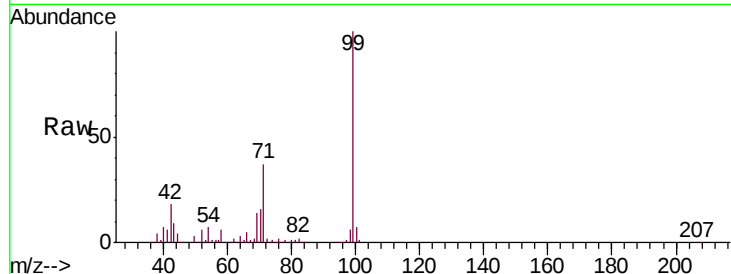
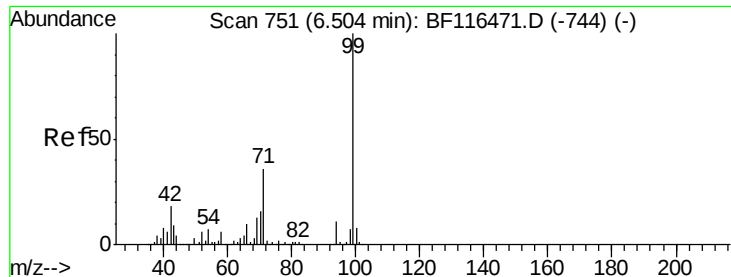
Abundance

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: 88.105 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116532.D

Acq: 25 Aug 2019 15:20

Tot Ion:	99	Resp:	1049124
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.6	21.8
71	36.9	28.5	42.7

Instrument :

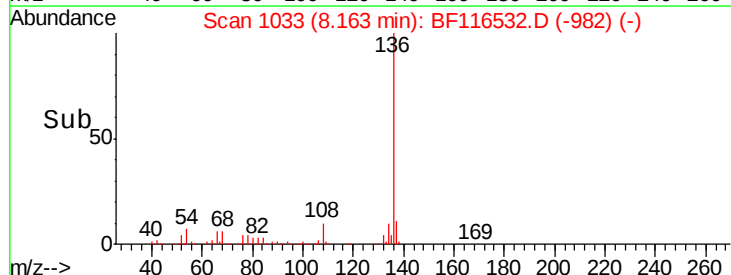
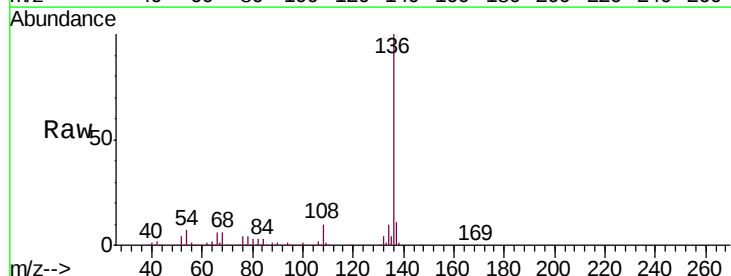
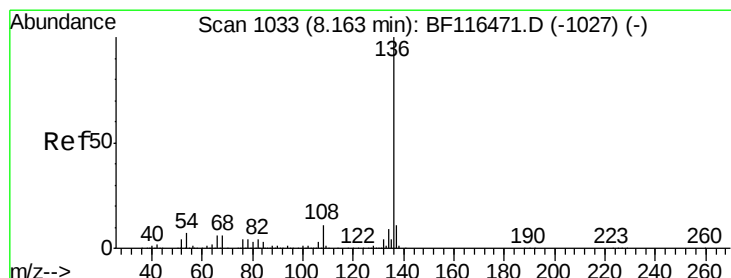
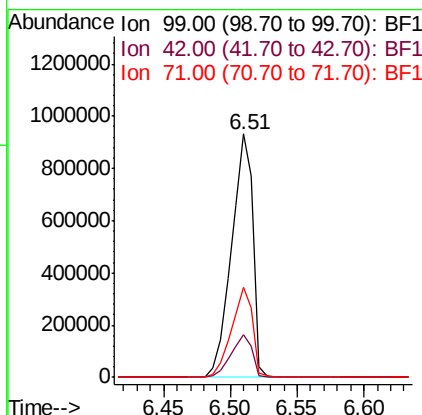
BNA_F

ClientSampleId :

T1-2-F1-F4

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#21

Naphthalene-d8

Concen: 20.000 ng

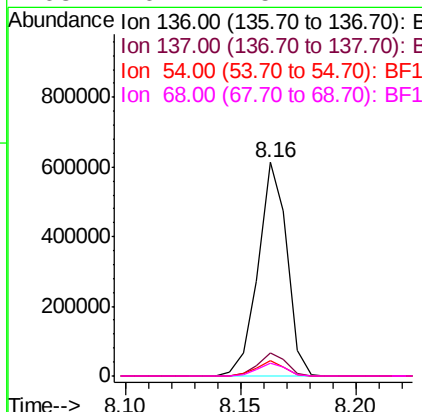
RT: 8.16 min Scan# 1033

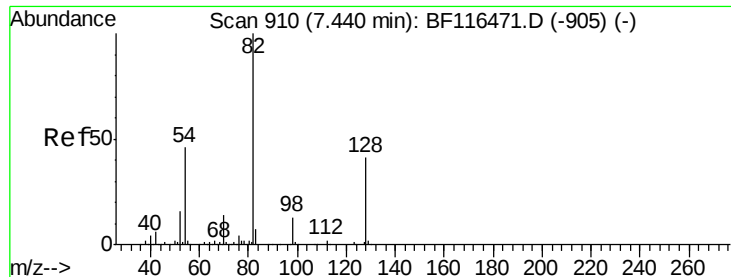
Delta R.T. -0.00 min

Lab File: BF116532.D

Acq: 25 Aug 2019 15:20

Tgt Ion:	136	Resp:	536995
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	7.2	5.8	8.6
68	6.2	5.1	7.7





#23

Nitrobenzene-d5

Concen: 67.398 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116532.D

Acq: 25 Aug 2019 15:20

Instrument :

BNA_F

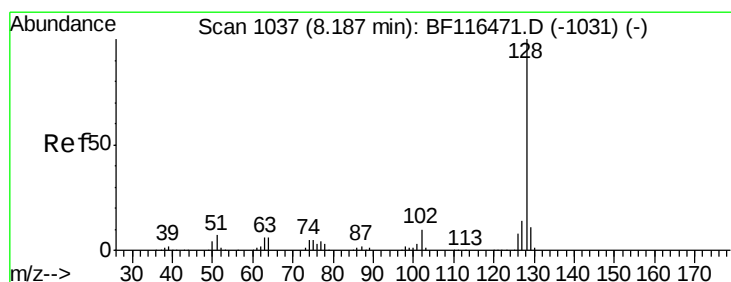
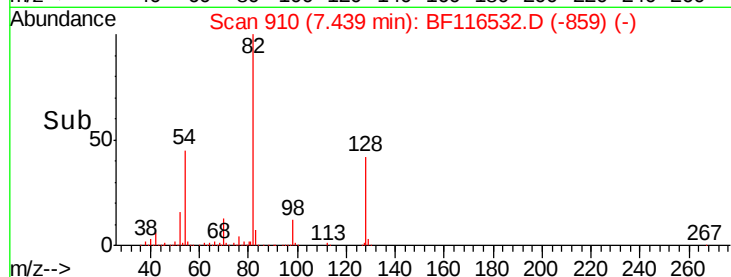
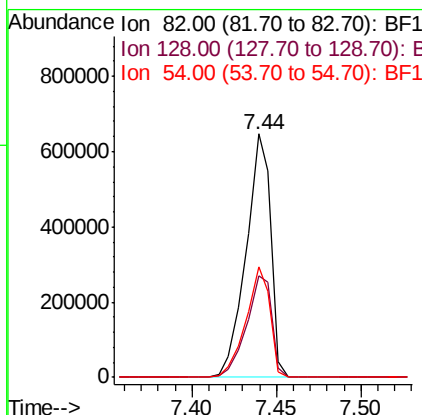
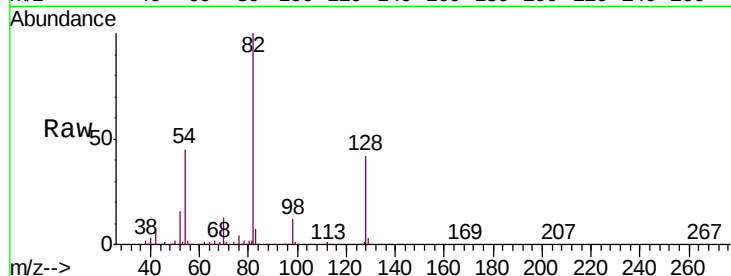
ClientSampleId :

T1-2-F1-F4

Tot Ion	82	Resp	661535
Ion Ratio	Lower	Upper	
82	100		
128	41.6	32.2	48.4
54	45.4	36.5	54.7

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#31

Naphthalene

Concen: 2.872 ng

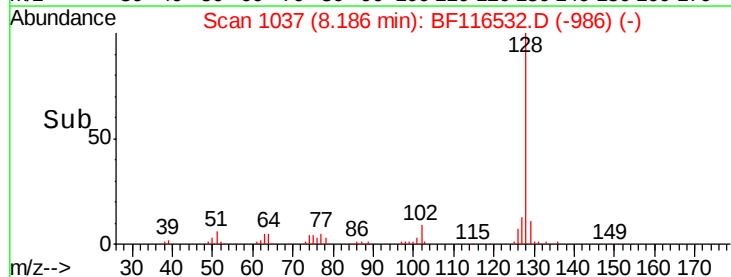
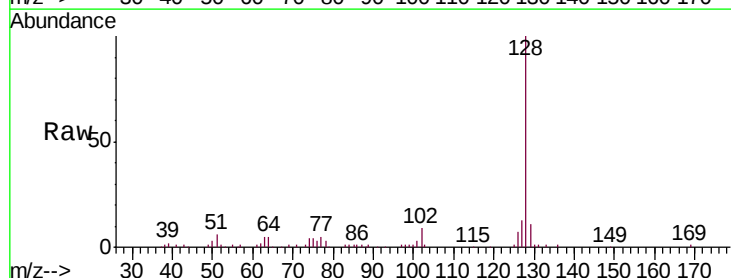
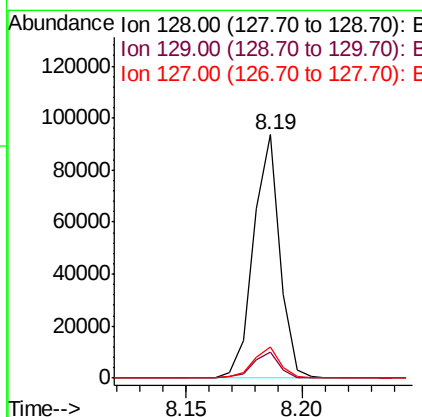
RT: 8.19 min Scan# 1037

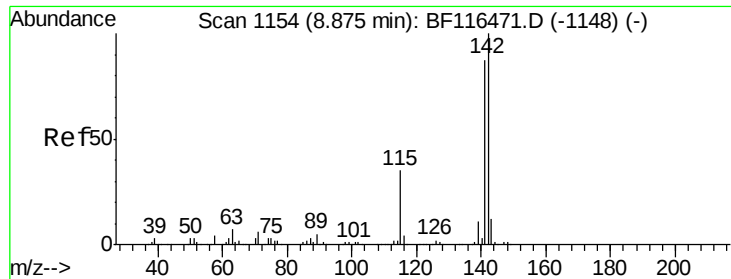
Delta R.T. -0.00 min

Lab File: BF116532.D

Acq: 25 Aug 2019 15:20

Tgt Ion	128	Resp	74618
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.0	13.6
127	12.9	10.9	16.3





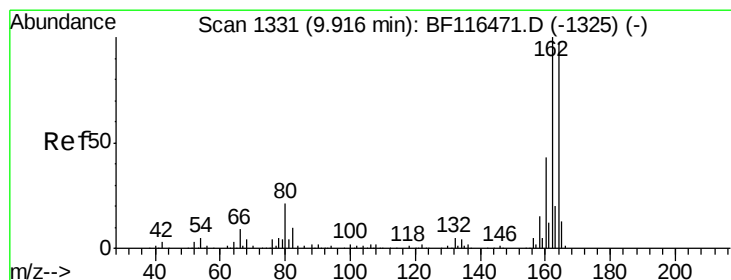
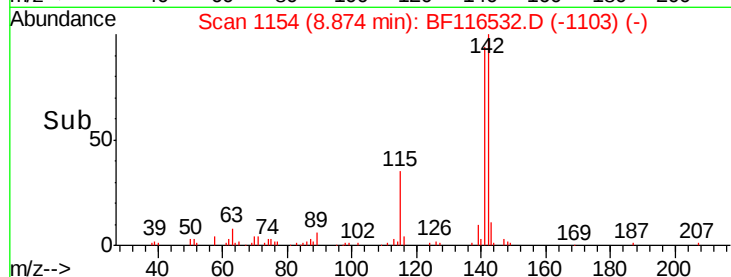
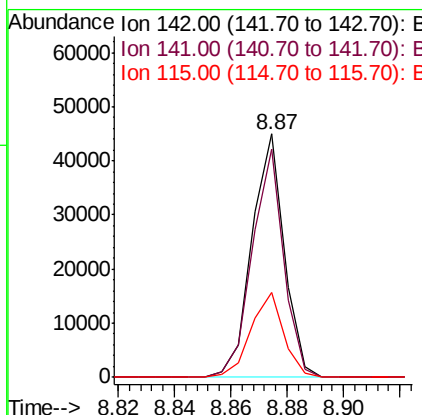
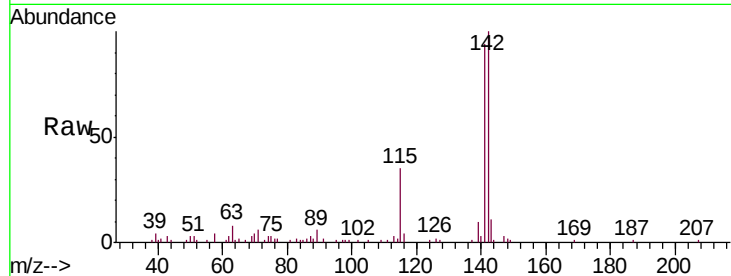
#37
2-Methylnaphthalene
Concen: 2.007 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampleId :
T1-2-F1-F4

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.7	69.8	104.6
115	34.7	27.7	41.5

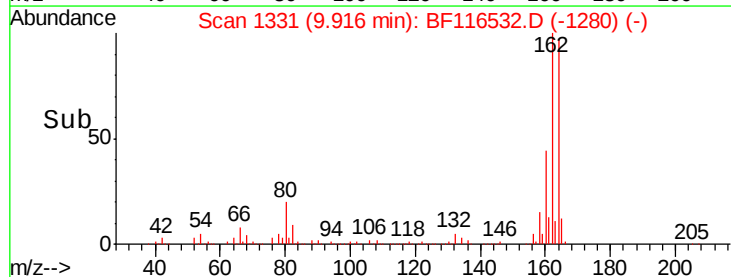
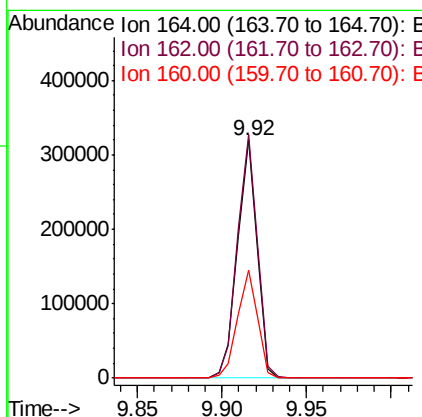
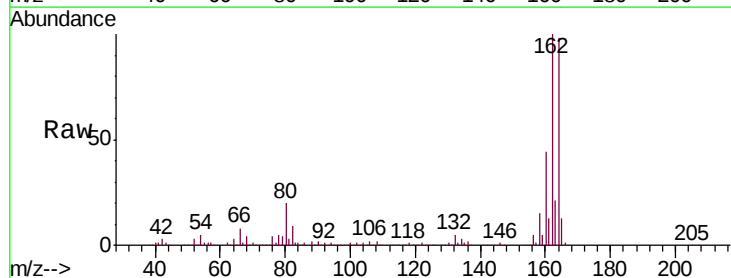
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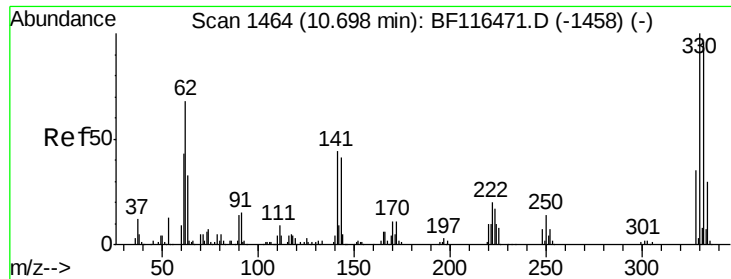
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	45.3	35.8	53.8





#42

2,4,6-Tribromophenol

Concen: 70.848 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116532.D

Acq: 25 Aug 2019 15:20

Instrument :

BNA_F

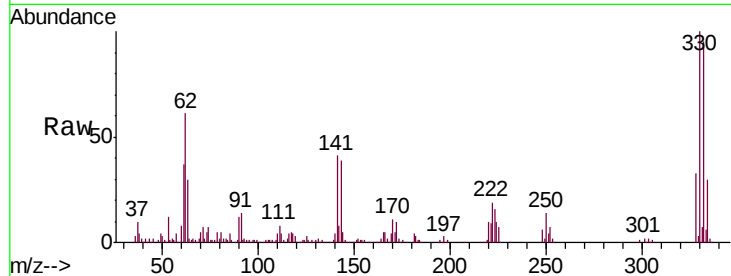
ClientSampled :

T1-2-F1-F4

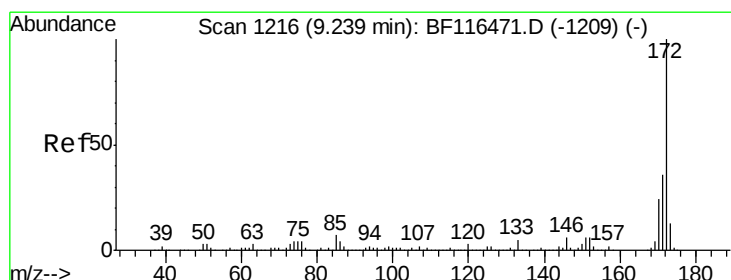
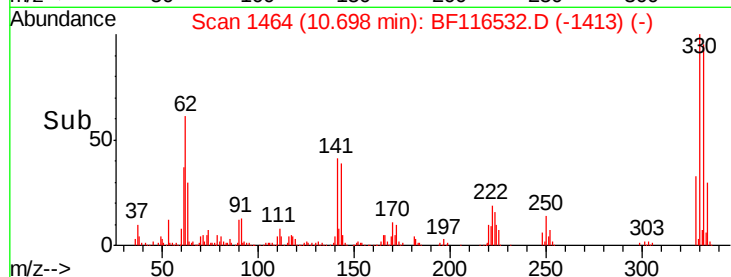
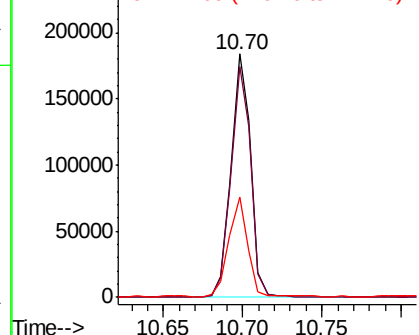
Tot Ion:	330	Resp:	156869
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.2	115.8
141	38.9	33.3	49.9

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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: 71.683 ng

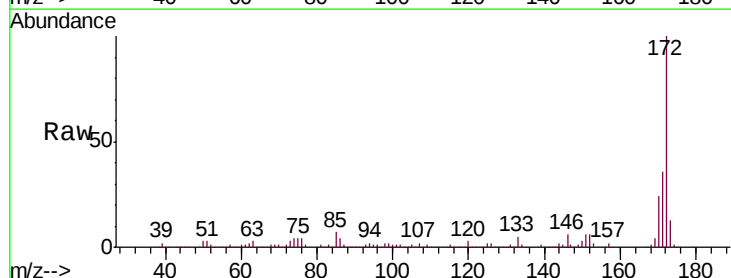
RT: 9.24 min Scan# 1216

Delta R.T. -0.00 min

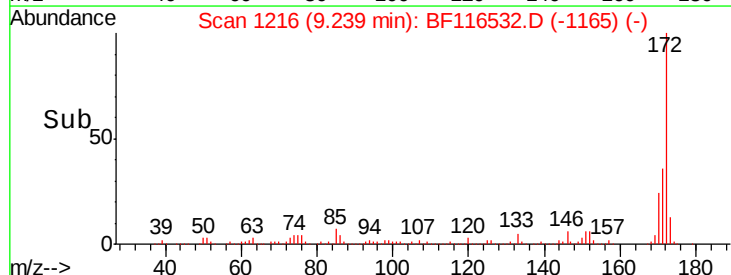
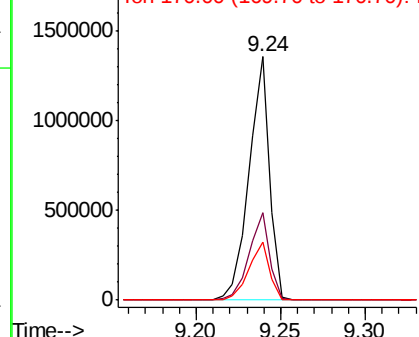
Lab File: BF116532.D

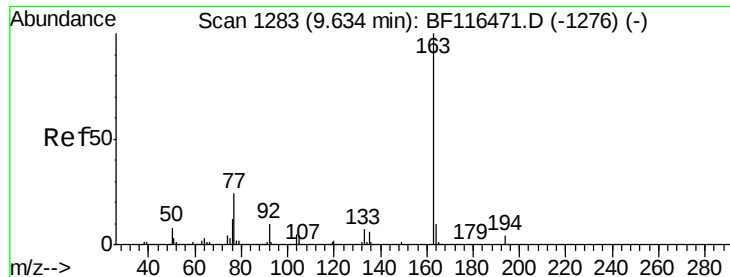
Acq: 25 Aug 2019 15:20

Tgt Ion:	172	Resp:	1147787
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.9	43.3
170	23.9	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





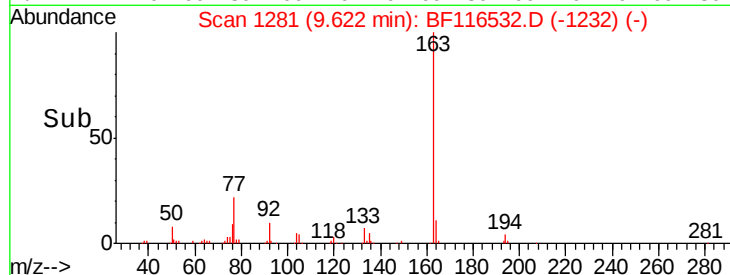
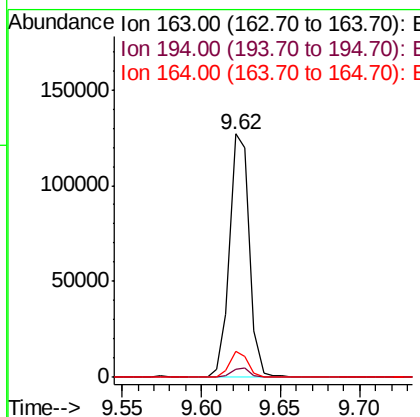
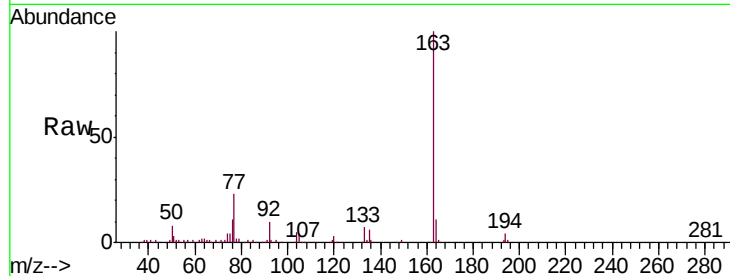
#50
Dimethylphthalate
Concen: 6.158 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampleId :
T1-2-F1-F4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	110790		
194	3.5	2.9	4.3	
164	10.6	8.2	12.2	

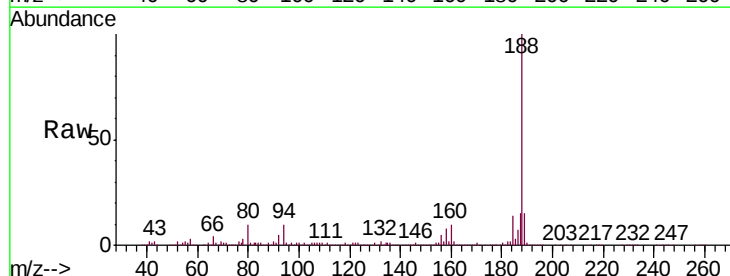
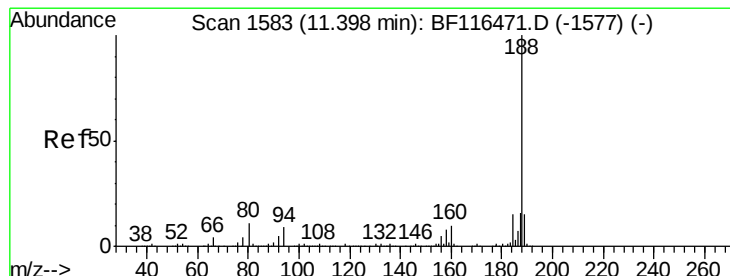
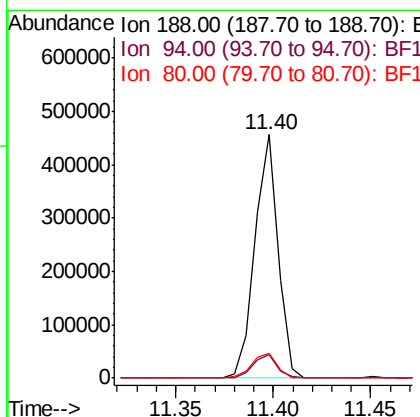
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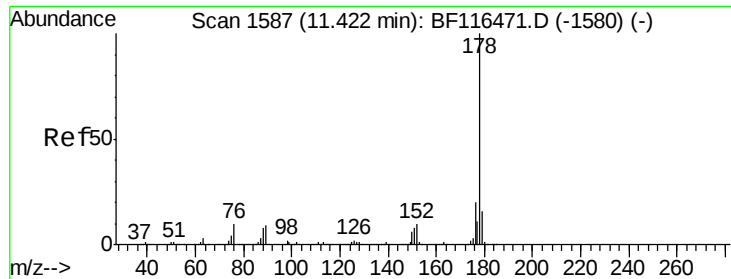
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	374572		
94	9.8	7.4	11.2	
80	9.9	8.6	12.8	





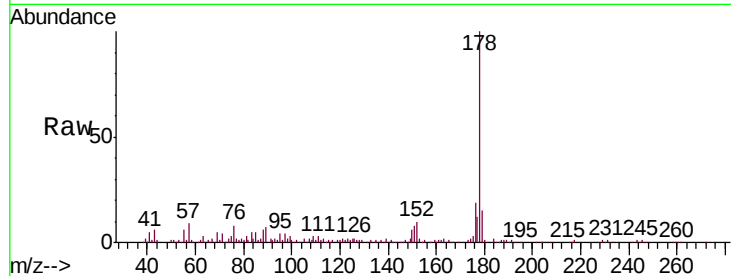
#71
Phenanthrene
Concen: 5.347 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampleId :
T1-2-F1-F4

Tot Ion	Ratio	Resp	Lower	Upper
178	100	109104		
176	19.2	15.8	23.6	
179	15.2	12.8	19.2	

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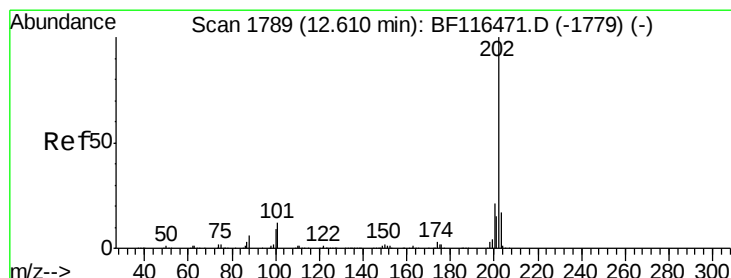
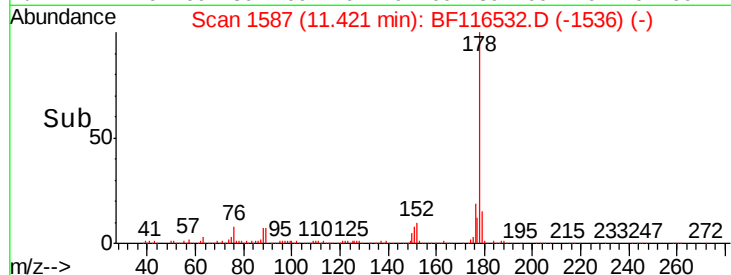
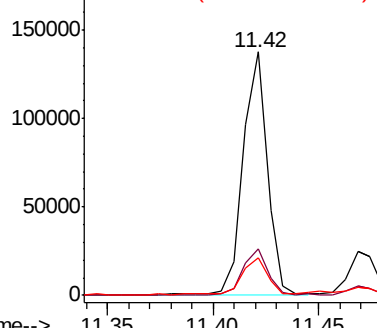


Abundance

Ion 178.00 (177.70 to 178.70): E

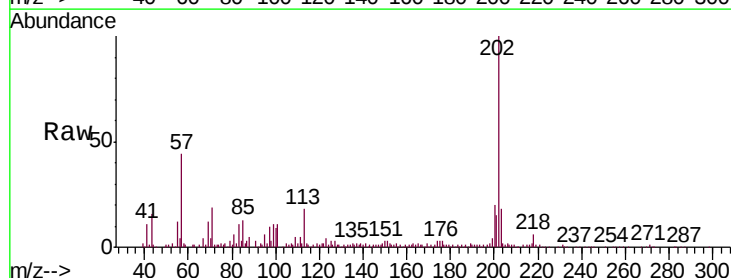
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 5.368 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	113249		
101	10.7	0.0	31.5	
203	18.1	0.0	37.5	

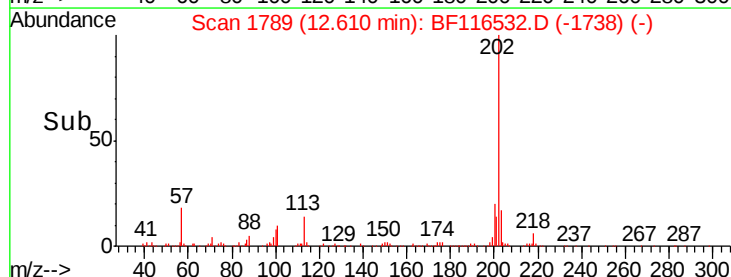
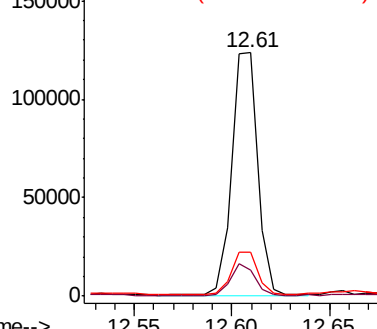


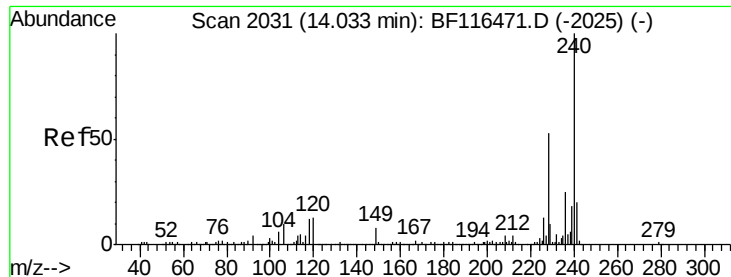
Abundance

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: BF116532.D

Acq: 25 Aug 2019 15:20

Instrument :

BNA_F

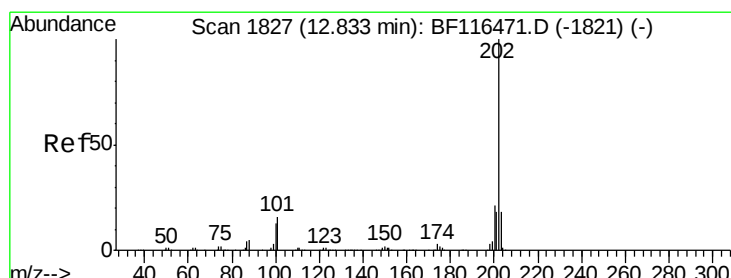
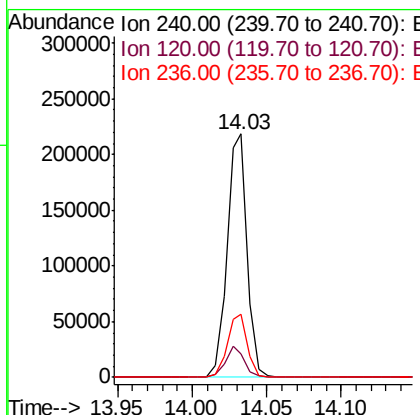
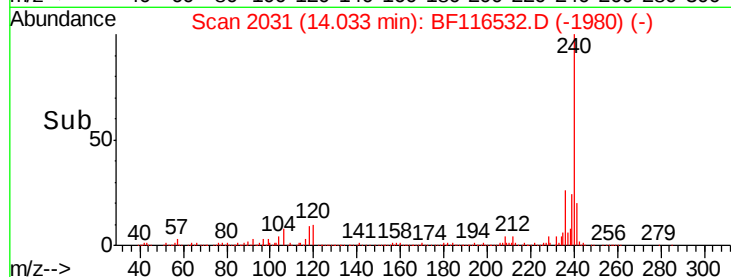
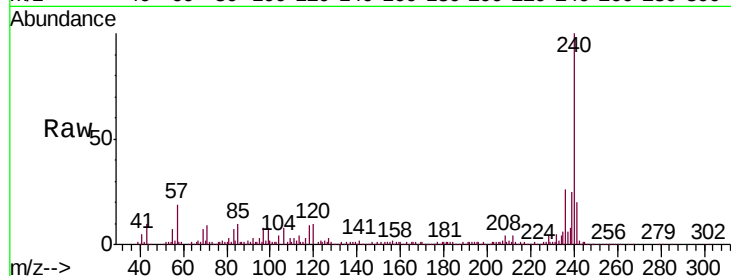
ClientSampled :

T1-2-F1-F4

Tot Ion:	240	Resp:	206964
Ion Ratio		Lower	Upper
240	100		
120	9.8	10.5	15.7#
236	25.9	20.2	30.2

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#78

Pyrene

Concen: 6.594 ng

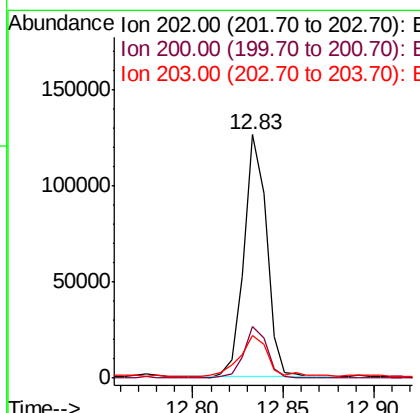
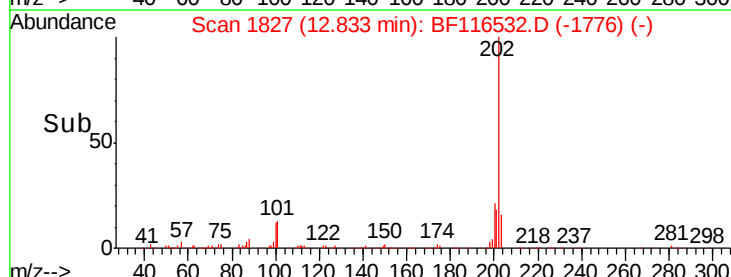
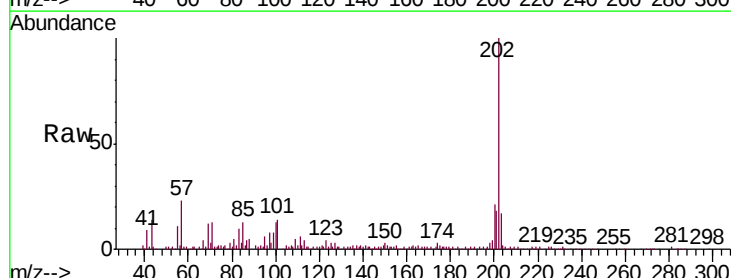
RT: 12.83 min Scan# 1827

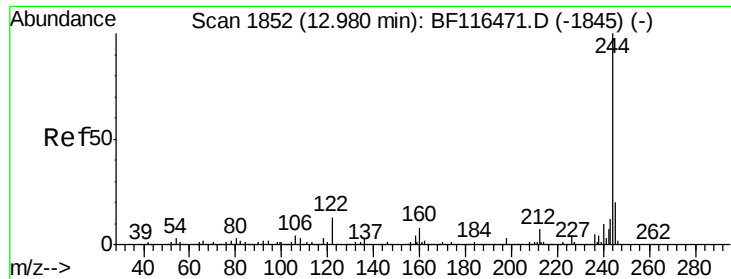
Delta R.T. -0.00 min

Lab File: BF116532.D

Acq: 25 Aug 2019 15:20

Tgt Ion:	202	Resp:	109142
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.2	21.4





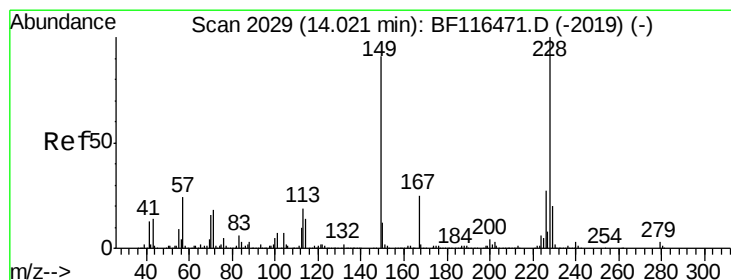
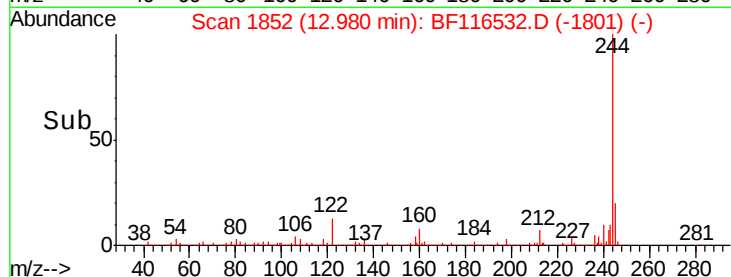
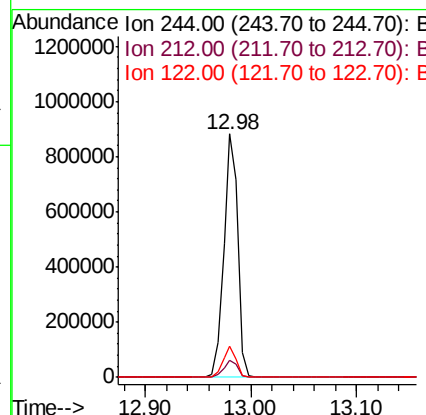
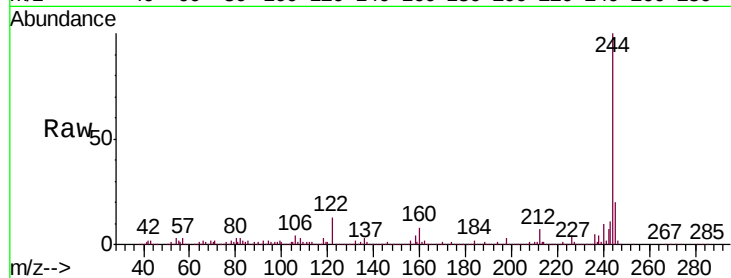
#79
 Terphenyl-d14
 Concen: 74.240 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116532.D
 Acq: 25 Aug 2019 15:20

Instrument :
 BNA_F
 ClientSampleID :
 T1-2-F1-F4

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	13.0	10.2	15.4

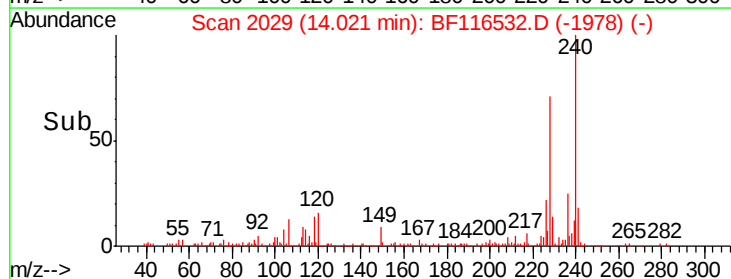
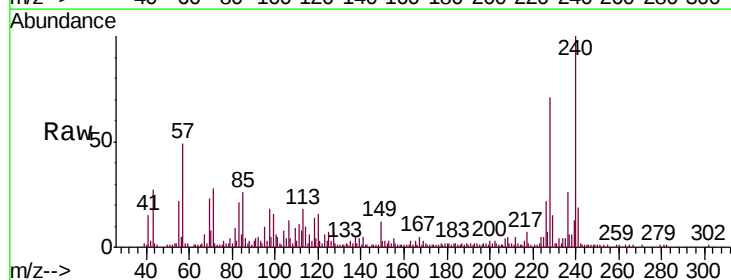
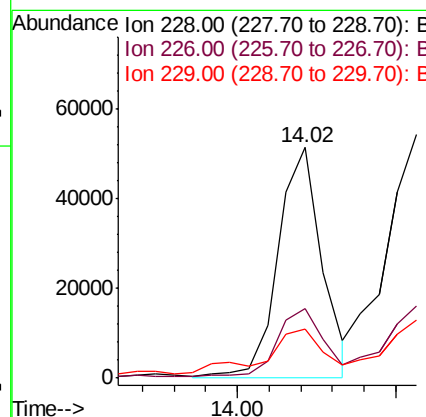
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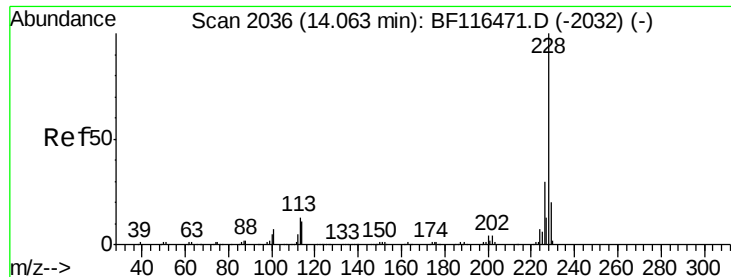
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#81
 Benzo(a)anthracene
 Concen: 3.685 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116532.D
 Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.8	32.6
229	21.4	15.9	23.9





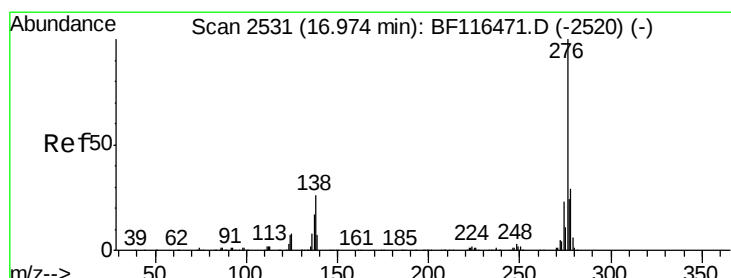
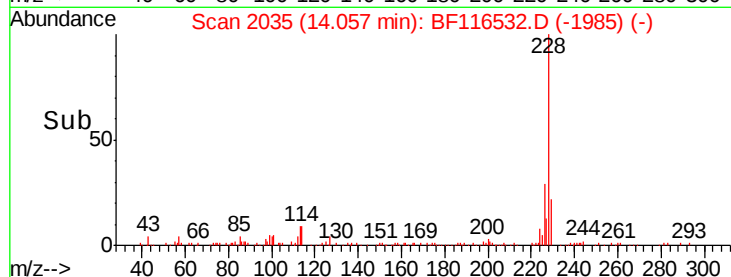
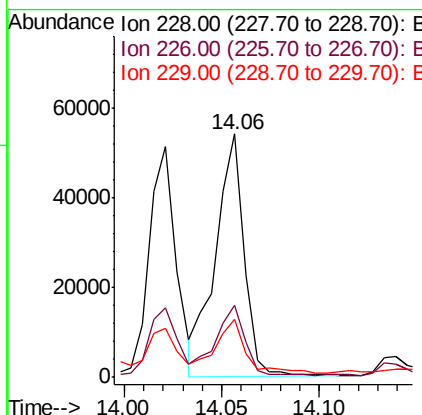
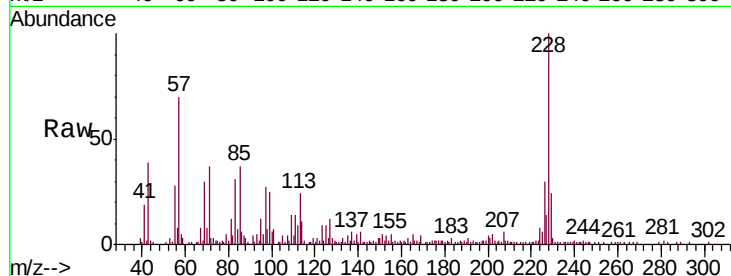
#83
Chrysene
Concen: 4.105 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampleId :
T1-2-F1-F4

Tot Ion:	228	Resp:	55767
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.2	36.2
229	23.6	15.8	23.6

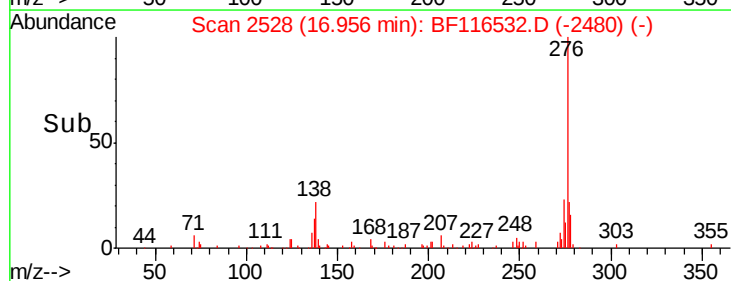
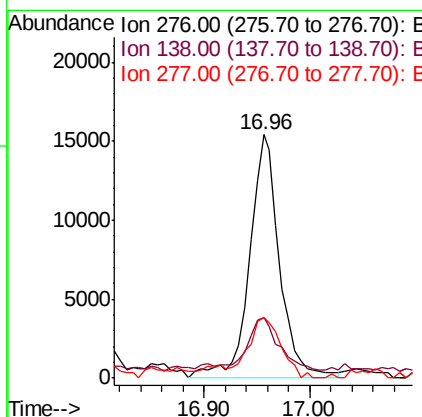
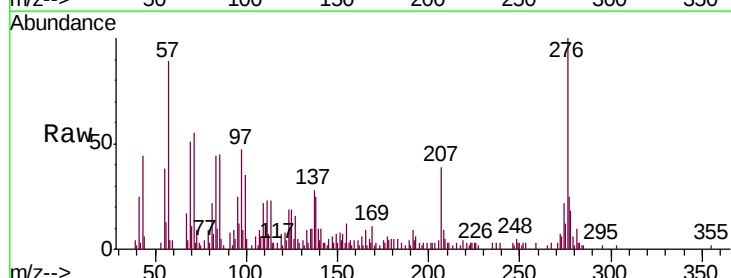
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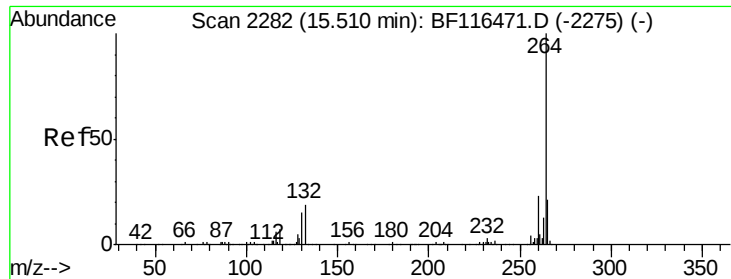
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.626 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion:	276	Resp:	30567
Ion Ratio	Lower	Upper	
276	100		
138	22.1	22.9	34.3#
277	27.3	19.9	29.9





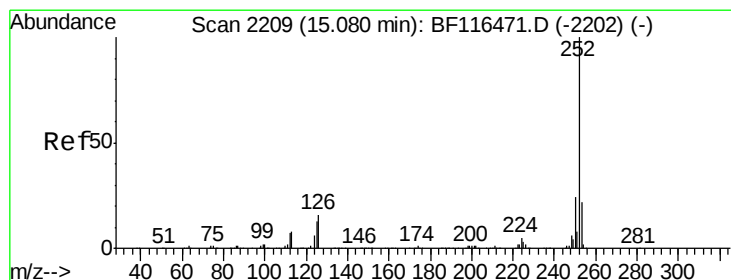
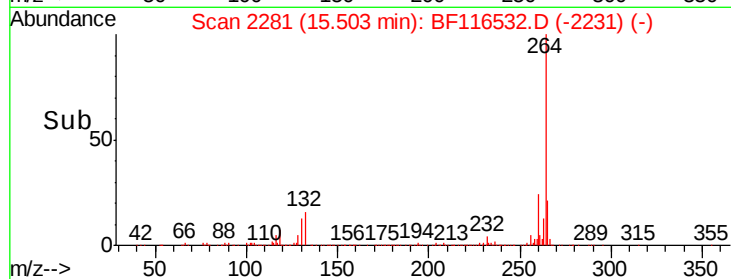
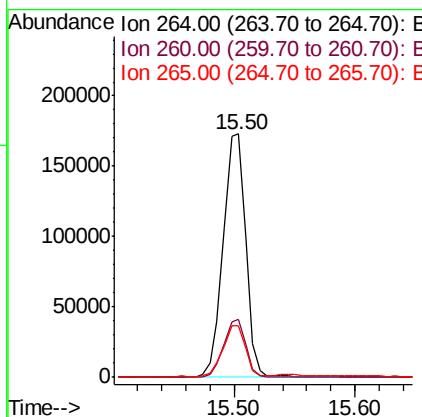
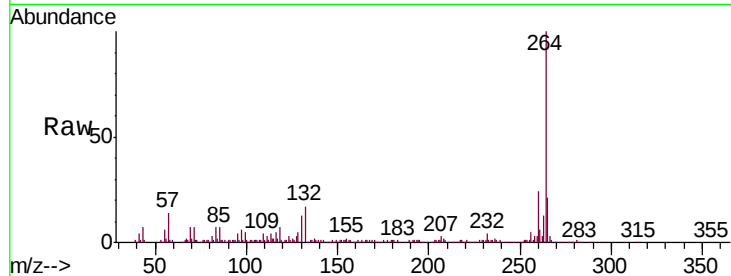
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampleId :
T1-2-F1-F4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.3	17.1	25.7

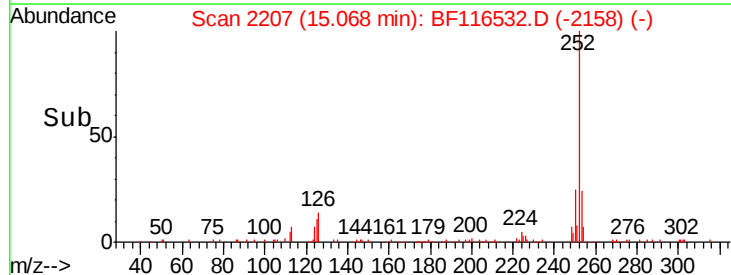
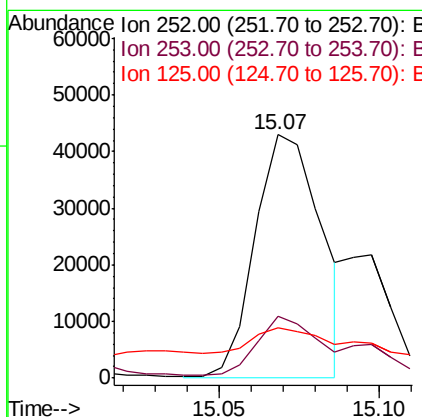
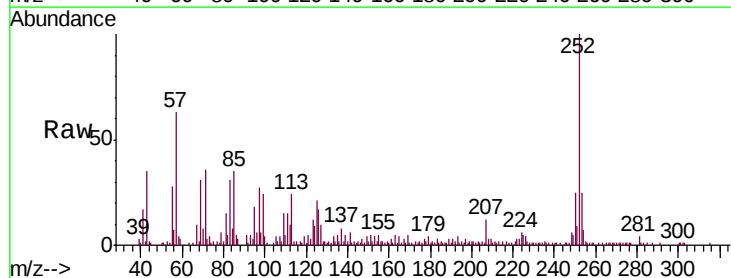
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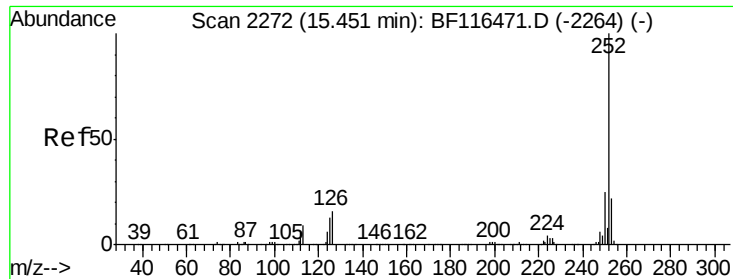
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#88
Benzo(b)fluoranthene
Concen: 4.459 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	20.6	10.1	15.1#





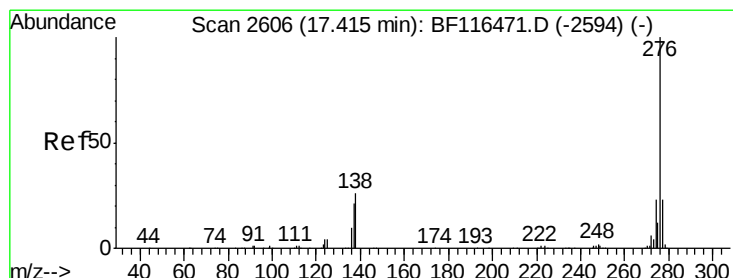
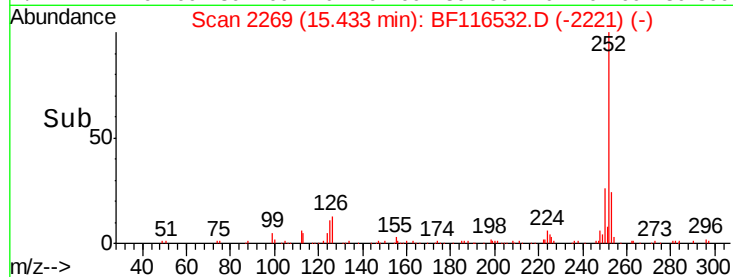
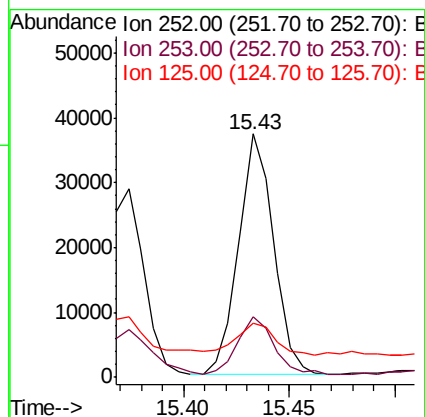
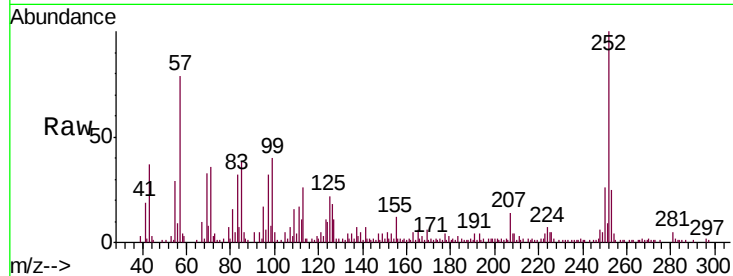
#90
Benzo(a)pyrene
Concen: 3.502 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Instrument :
BNA_F
ClientSampled :
T1-2-F1-F4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	22.2	10.2	15.4

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#92
Benzo(g,h,i)perylene
Concen: 3.001 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF116532.D
Acq: 25 Aug 2019 15:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.7	28.1
138	29.1	20.8	31.2

