

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118346.D
 Acq On : 27 Dec 2019 19:08
 Operator : JU
 Sample : K6431-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(4-5)

Manual Integrations
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Quant Time: Dec 30 12:28:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	146716	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	579263	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	306715	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	542056	20.00	ng	0.00
76) Chrysene-d12	14.04	240	326877	20.00	ng	0.00
87) Perylene-d12	15.53	264	375271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	826136	96.12	ng	0.01
7) Phenol-d6	6.49	99	1025695	96.20	ng	0.00
23) Nitrobenzene-d5	7.42	82	624500	61.66	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	335299	88.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1290975	64.25	ng	0.00
79) Terphenyl-d14	12.98	244	1322616	67.13	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.61	163	130597	5.672	ng	99
71) Phenanthrene	11.42	178	299911	10.149	ng	98
72) Anthracene	11.47	178	106507	3.601	ng	97
75) Fluoranthene	12.62	202	748319	25.092	ng	99
78) Pyrene	12.84	202	645040	24.165	ng	100
81) Benzo(a)anthracene	14.03	228	295084	12.897	ng	99
83) Chrysene	14.07	228	238847	10.902	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	159517	8.545	ng	94
88) Benzo(b)fluoranthene	15.10	252	343155m	13.776	ng	
89) Benzo(k)fluoranthene	15.12	252	107443m	4.492	ng	
90) Benzo(a)pyrene	15.47	252	247681	11.287	ng	98
91) Dibenzo(a,h)anthracene	17.04	278	40478	2.126	ng	# 82
92) Benzo(a,h,i)perylene	17.49	276	147789	8.034	ng	98

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

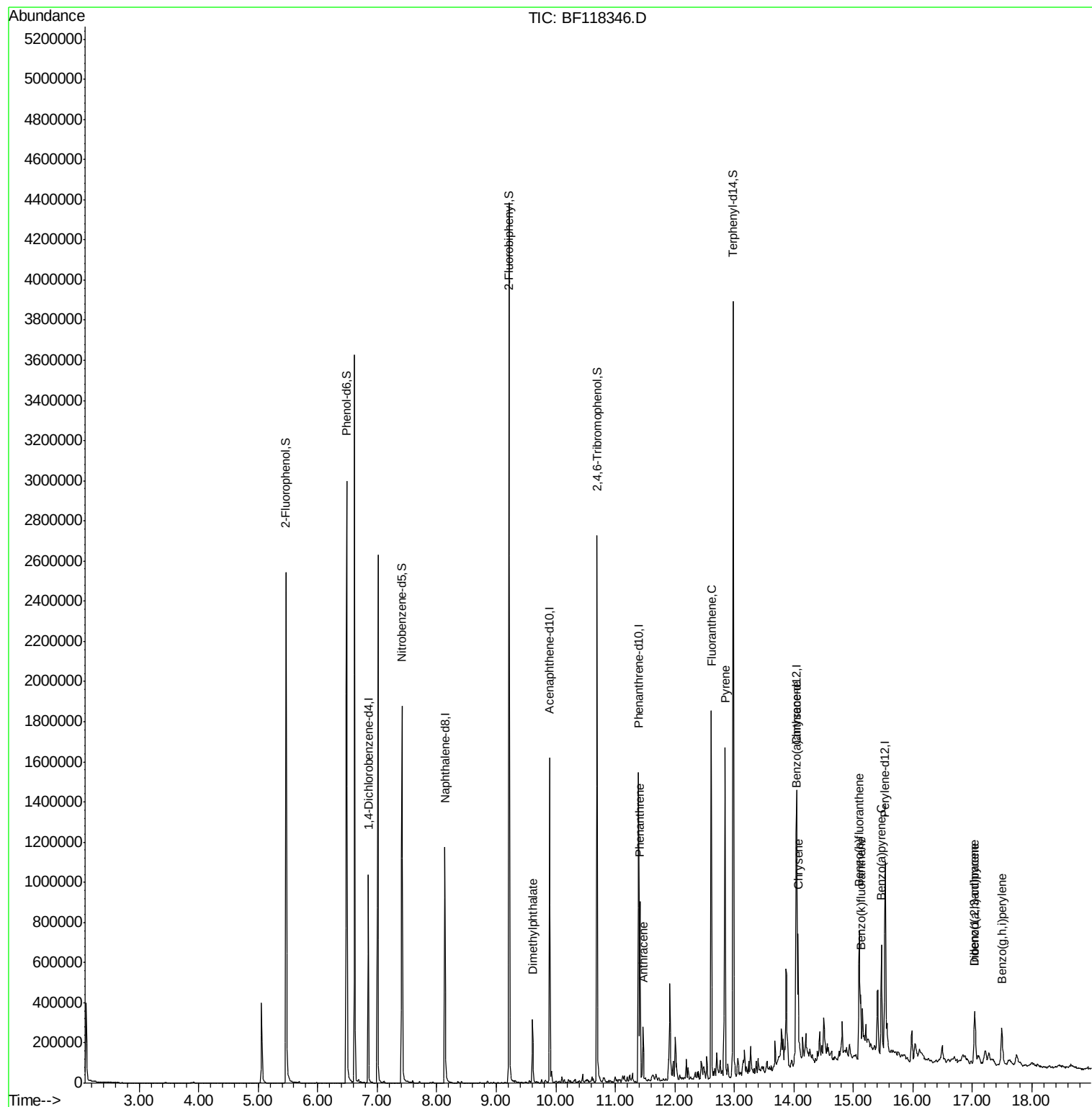
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118346.D
Acq On : 27 Dec 2019 19:08
Operator : JU
Sample : K6431-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

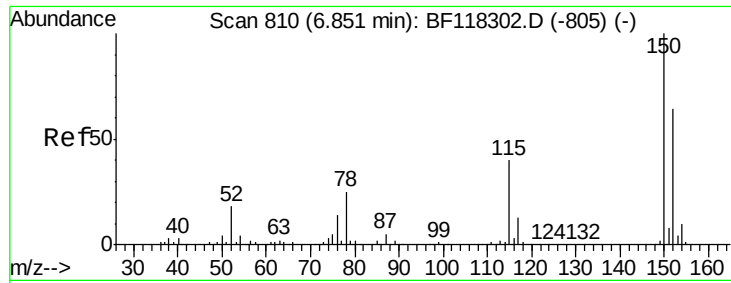
Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

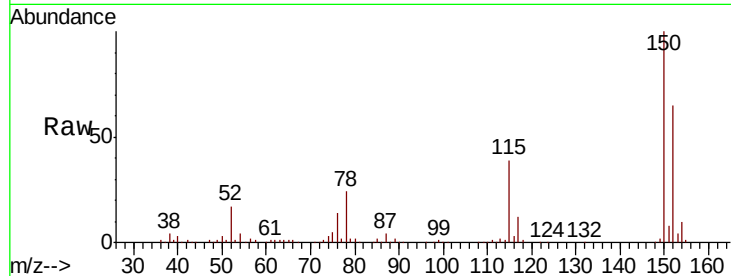
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	125.4	188.2
115	60.1	50.2	75.4

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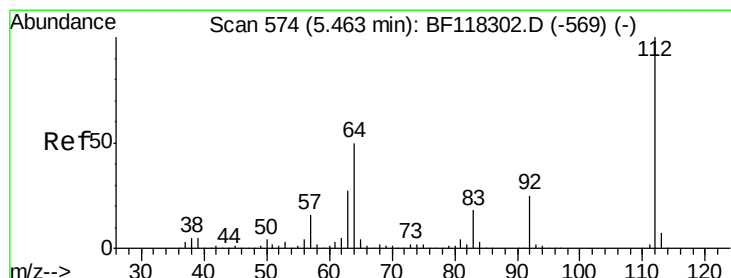
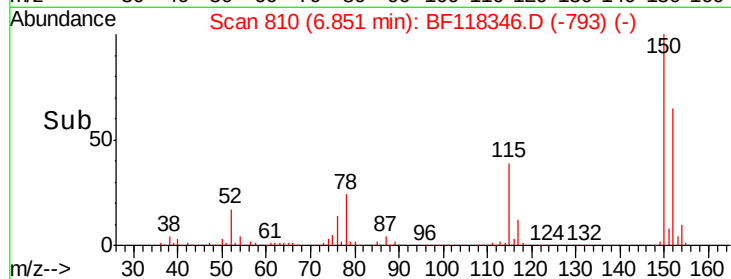
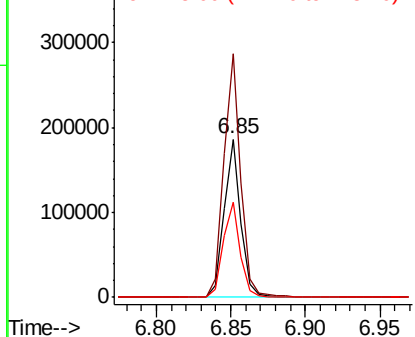


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

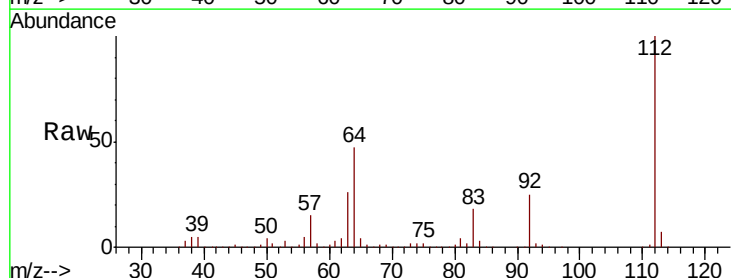
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.118 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.4	39.7	59.5
63	25.8	21.7	32.5

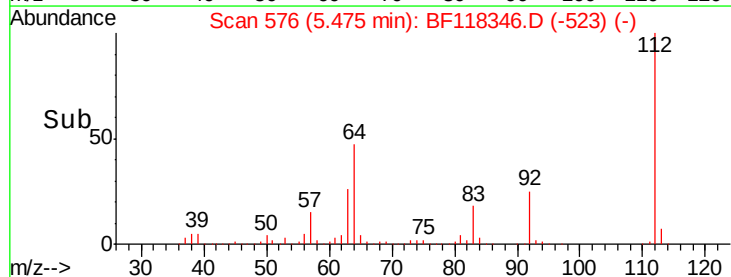
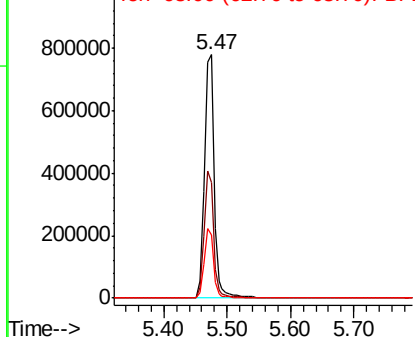


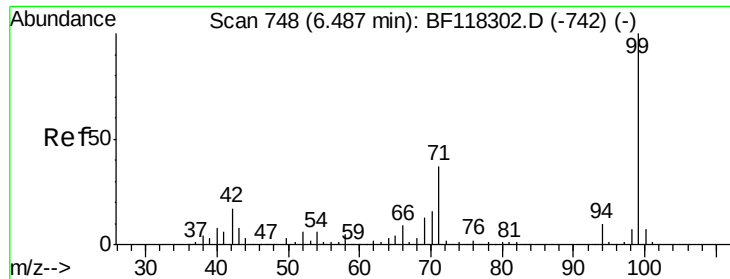
Abundance

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: 96.198 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampled :

SB-5-(4-5)

Tot Ion: 99 Resp: 1025695

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

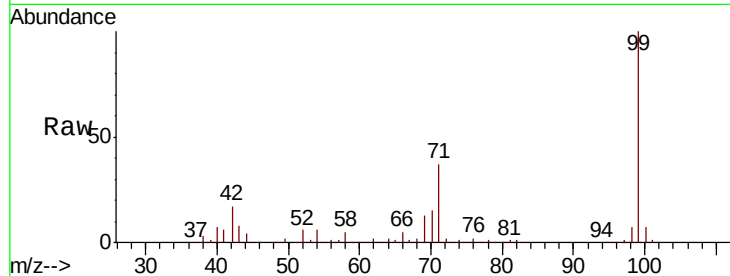
71 36.7 29.4 44.2

Manual Integrations

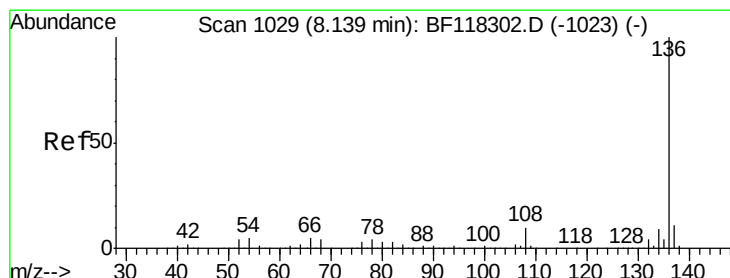
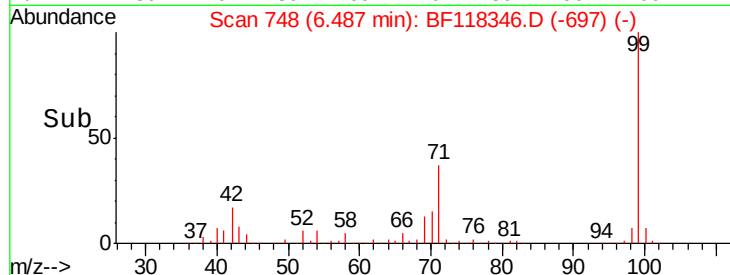
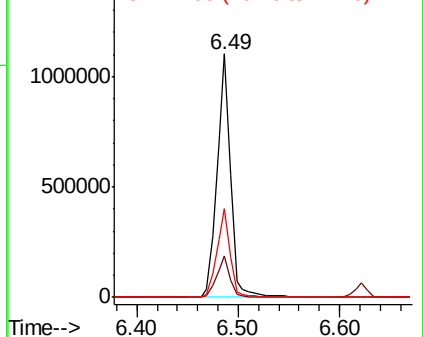
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Tgt Ion: 136 Resp: 579263

Ion Ratio Lower Upper

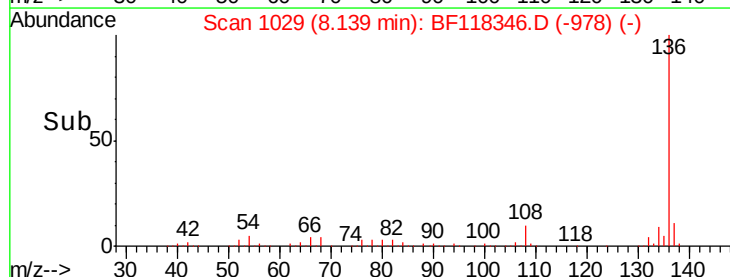
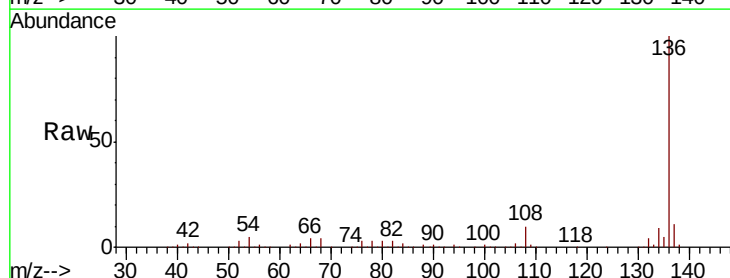
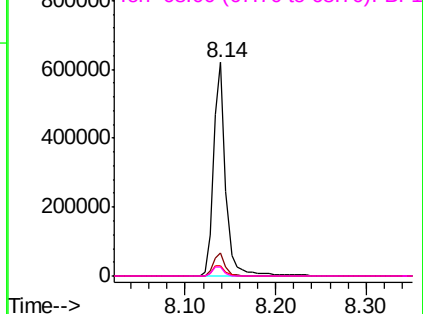
136 100

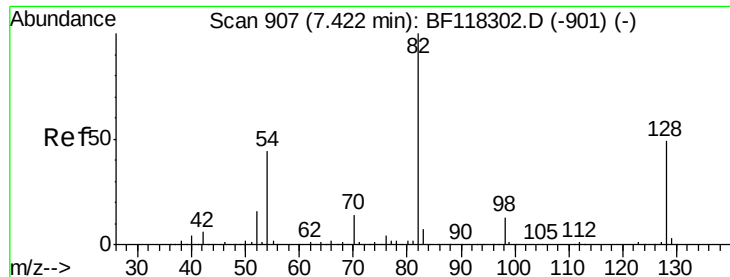
137 10.5 8.9 13.3

54 5.0 4.2 6.4

68 4.3 3.5 5.3

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





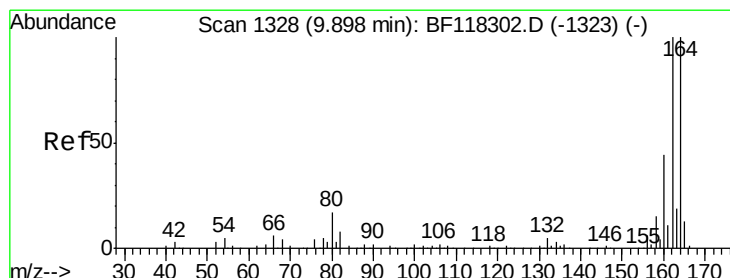
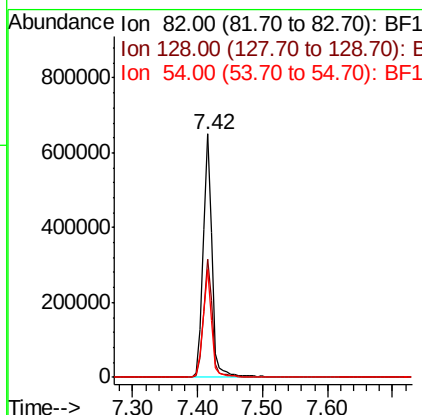
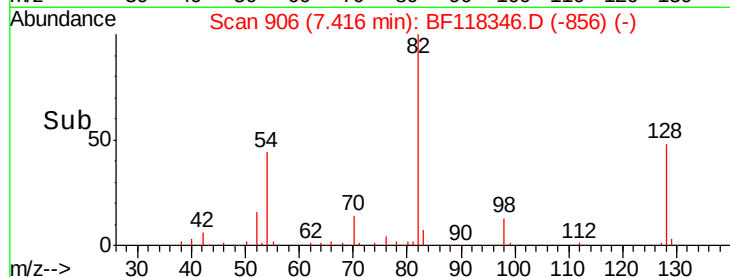
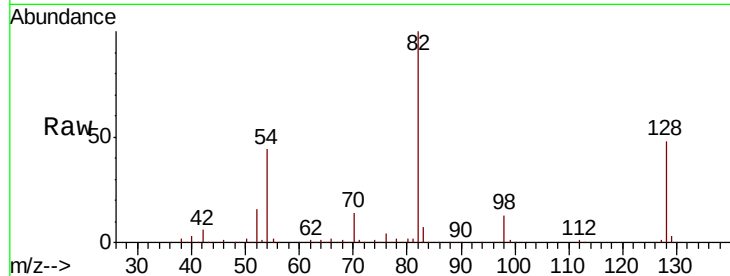
#23
Nitrobenzene-d5
Concen: 61.662 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.6	59.4
54	44.3	34.9	52.3

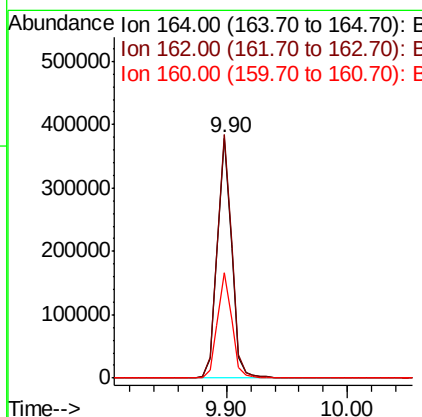
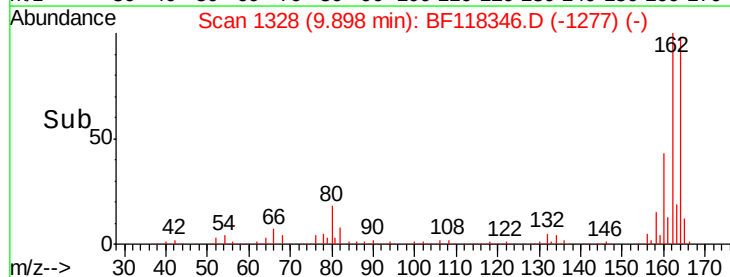
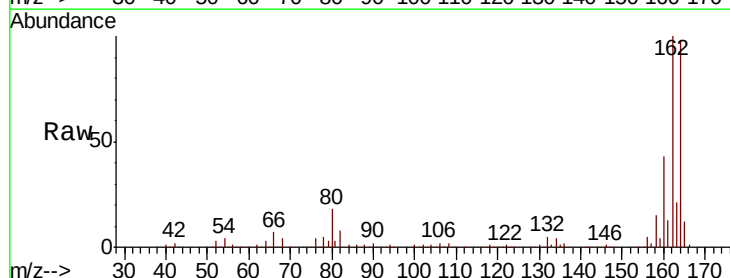
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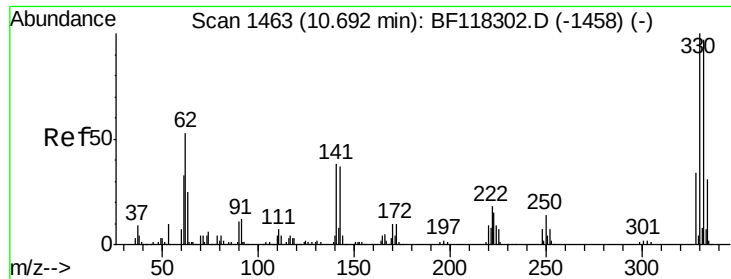
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.0	120.0
160	44.2	34.8	52.2





#42

2,4,6-Tribromophenol

Concen: 88.523 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

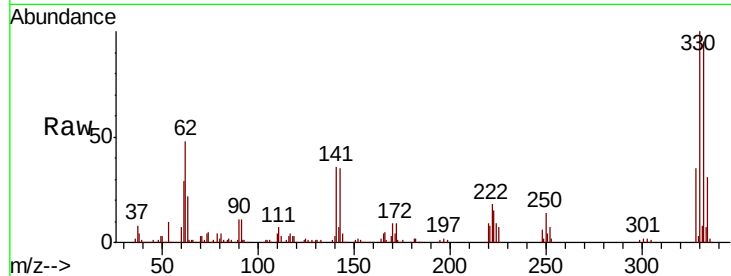
ClientSampleId :

SB-5-(4-5)

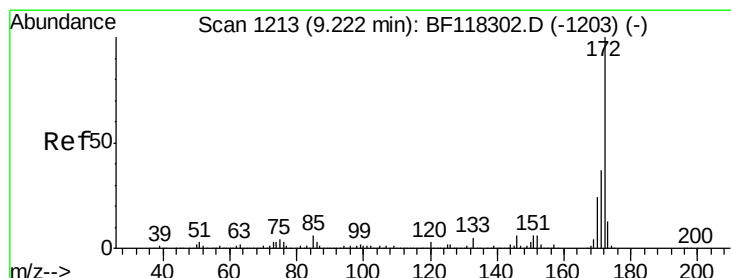
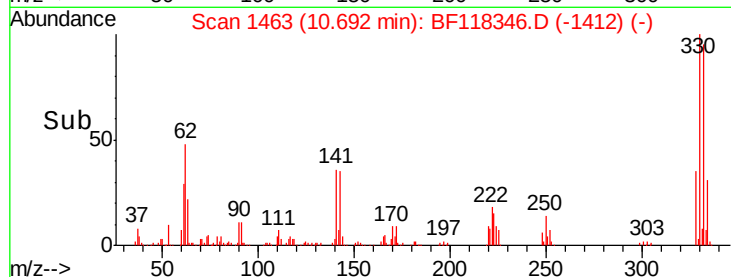
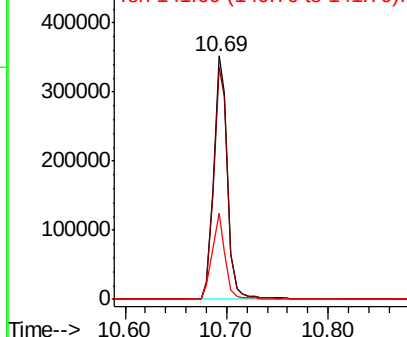
Tot Ion:	330	Resp:	335299
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.6	114.8
141	33.5	26.0	39.0

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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: 64.250 ng

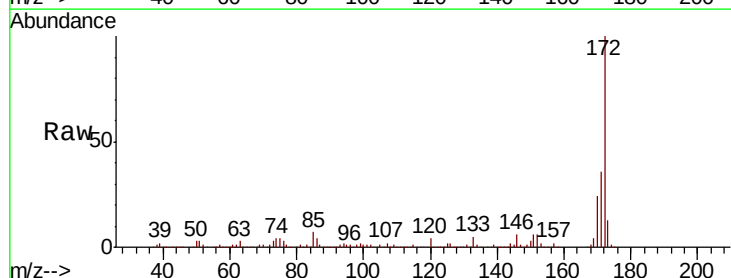
RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

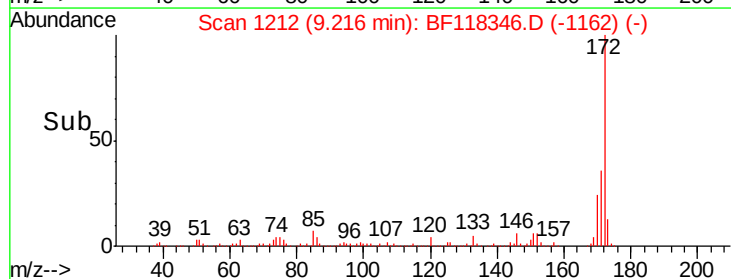
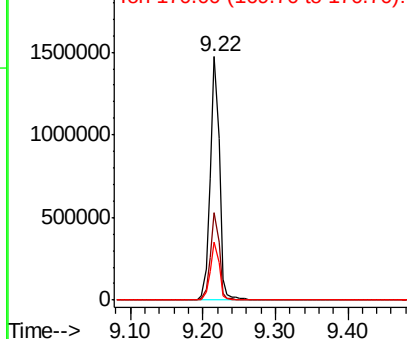
Lab File: BF118346.D

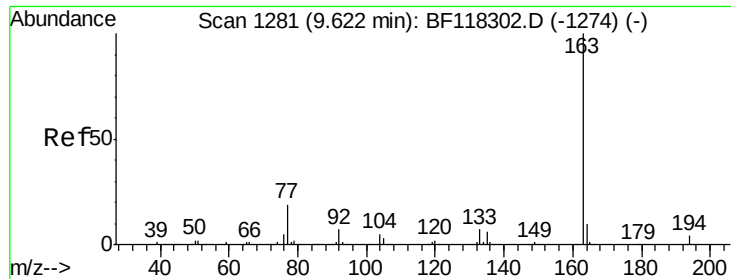
Acq: 27 Dec 2019 19:08

Tgt Ion:	172	Resp:	1290975
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.3	43.9
170	23.9	19.2	28.8



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





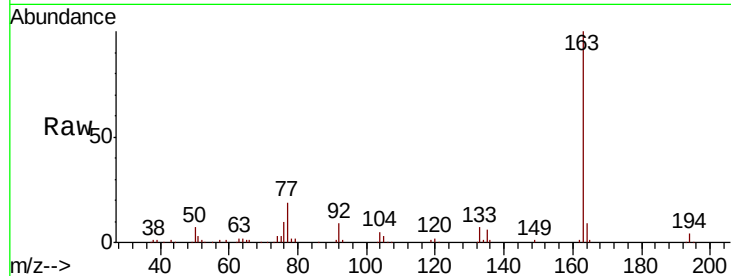
#50
Dimethylphthalate
Concen: 5.672 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

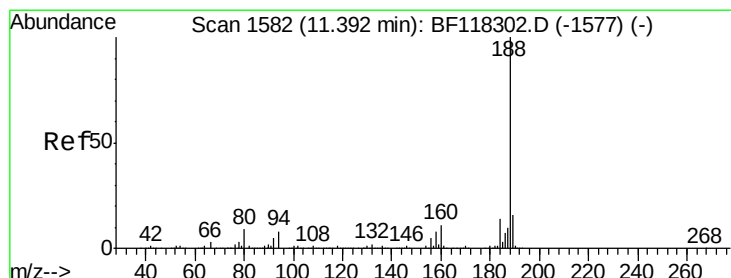
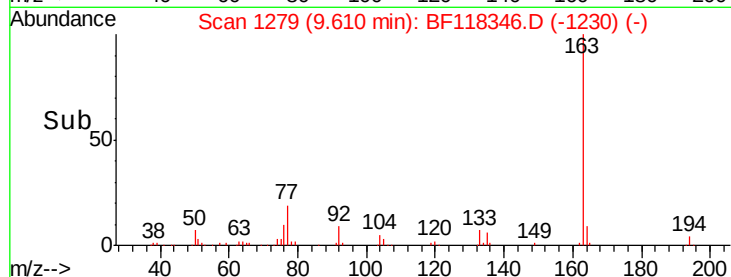
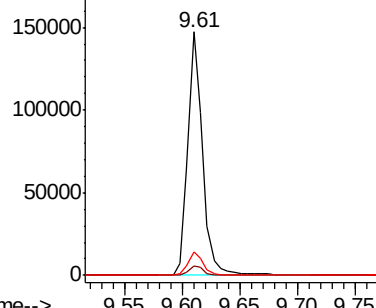
Tot Ion	Ratio	Resp	Lower	Upper
163	100	130597		
194	3.6		3.2	4.8
164	9.5		7.9	11.9

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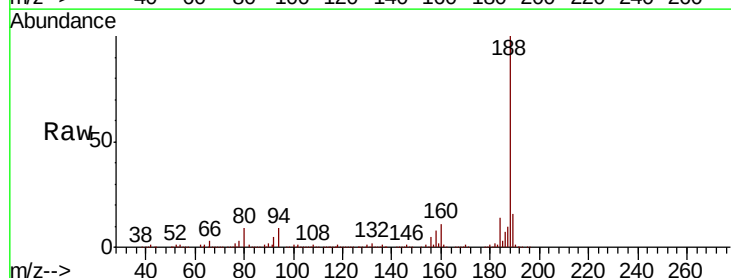


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

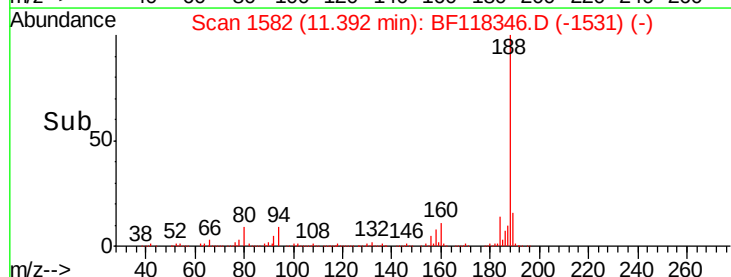
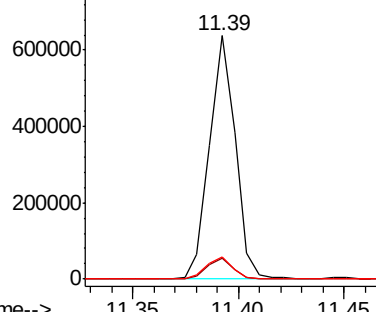


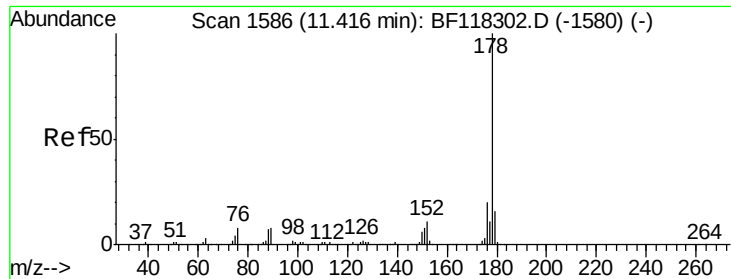
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	542056		
94	8.8		6.7	10.1
80	9.1		7.2	10.8



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





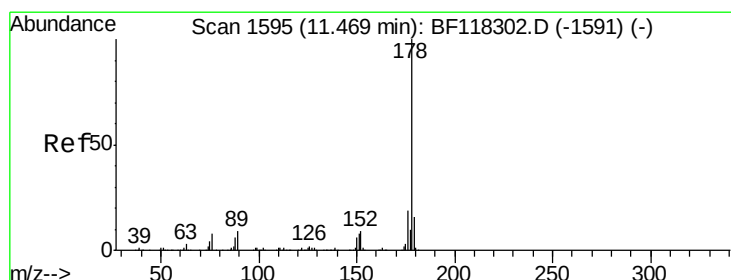
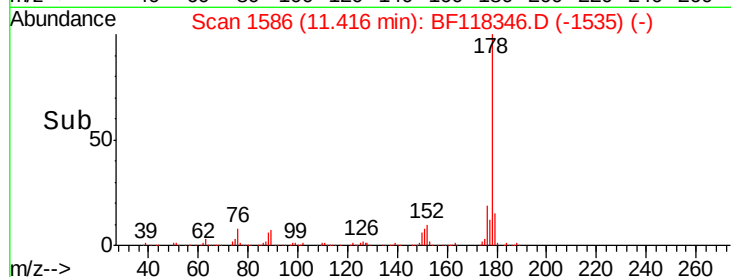
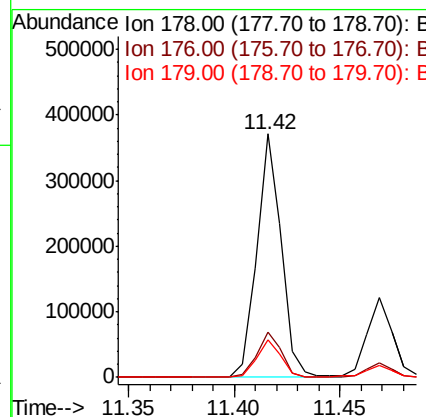
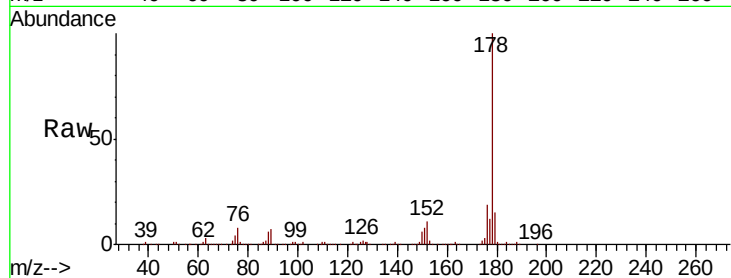
#71
Phenanthrene
Concen: 10.149 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampled :
SB-5-(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		299911		
176	18.6	15.6	23.4		
179	15.3	12.6	19.0		

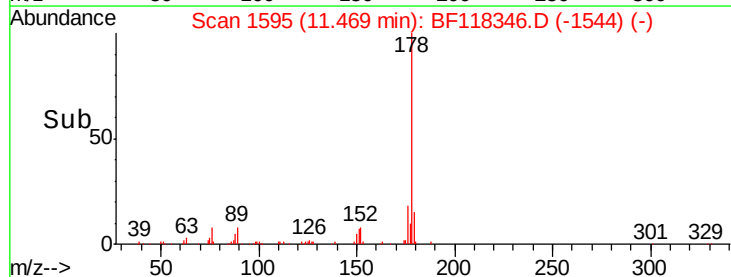
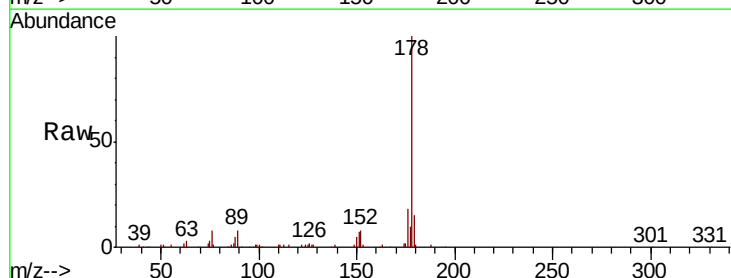
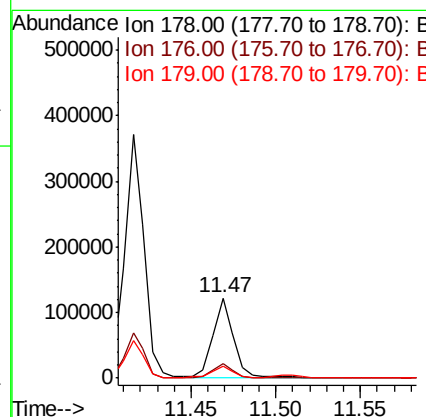
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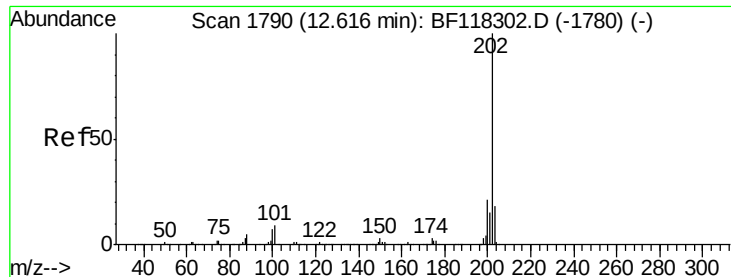
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#72
Anthracene
Concen: 3.601 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		106507		
176	17.8	15.2	22.8		
179	14.6	12.9	19.3		





#75

Fluoranthene

Concen: 25.092 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

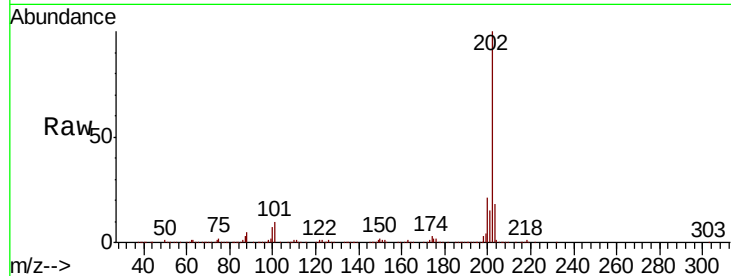
ClientSampleId :

SB-5-(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		748319		
101	10.0	0.0	29.5		
203	17.9	0.0	37.6		

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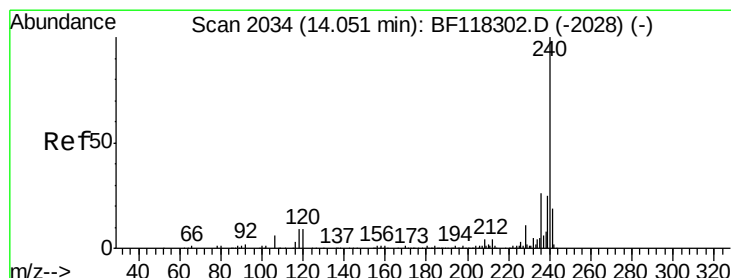
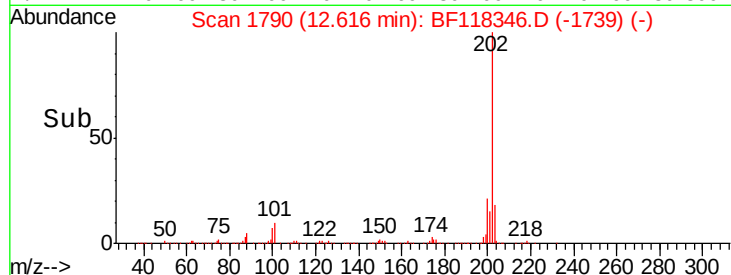
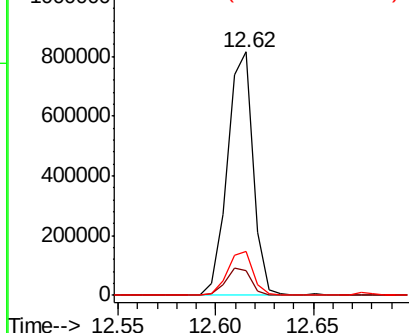


Abundance

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

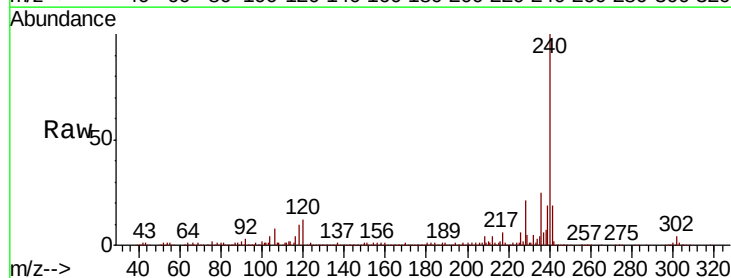
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		326877		
120	11.7	7.1	10.7#		
236	25.3	21.0	31.6		

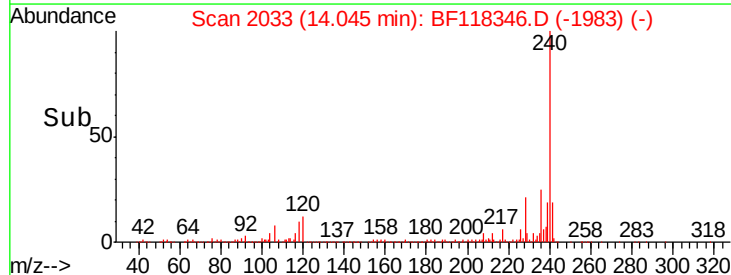
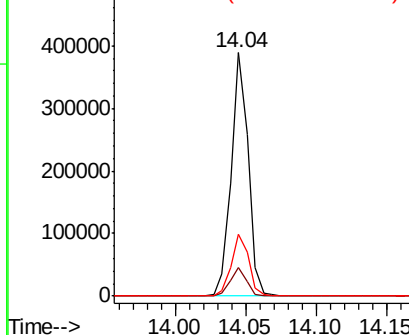


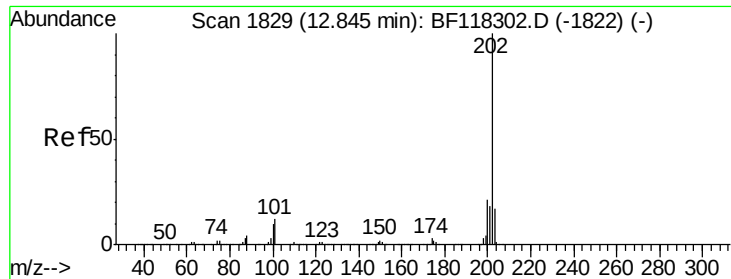
Abundance

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





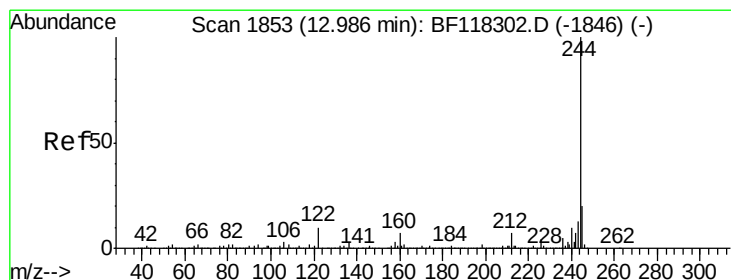
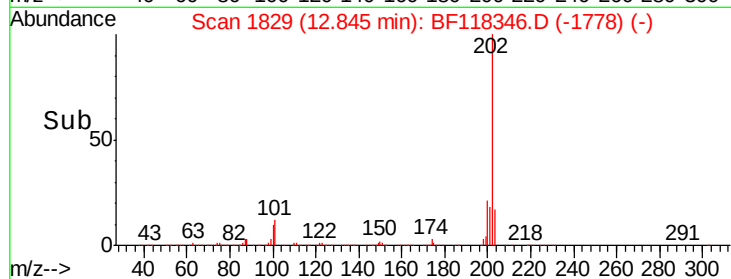
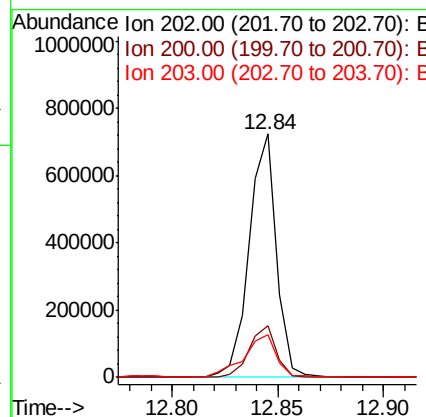
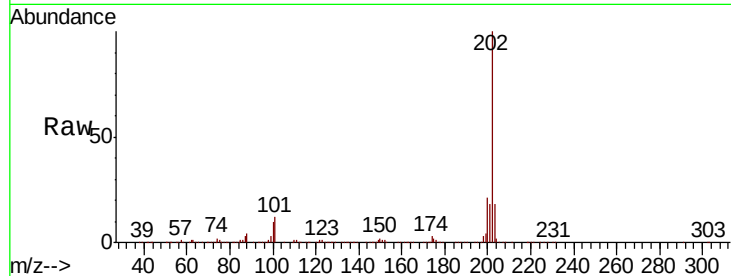
#78
Pvrene
Concen: 24.165 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

Tot Ion:	202	Resp:	645040
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.8	25.2
203	17.6	13.9	20.9

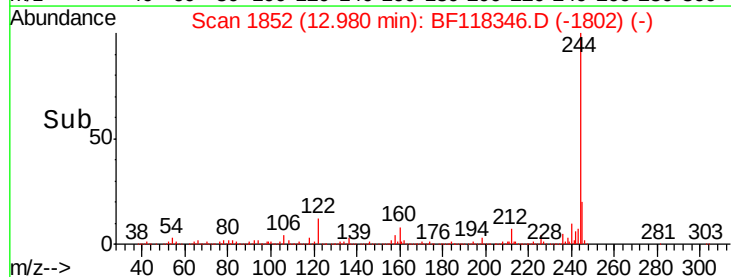
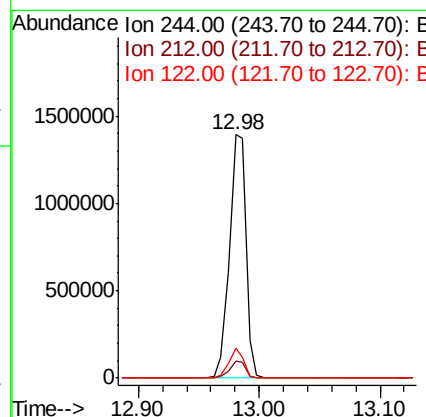
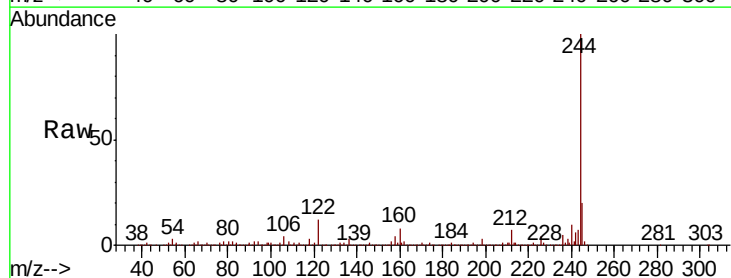
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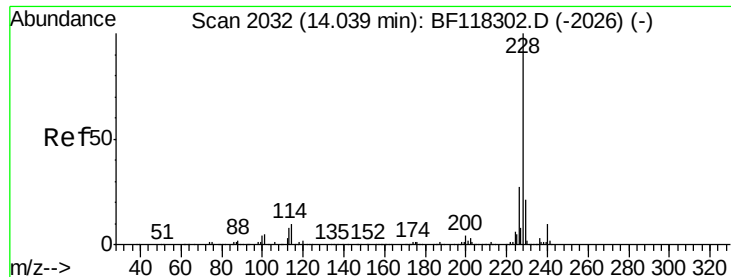
mohammad
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#79
Terphenyl-d14
Concen: 67.128 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion:	244	Resp:	1322616
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	12.4	7.8	11.8#





#81

Benzo(a)anthracene

Concen: 12.897 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

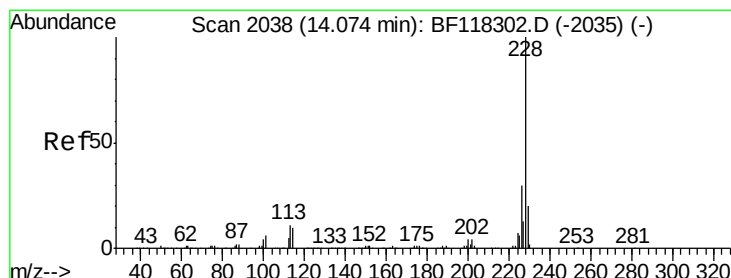
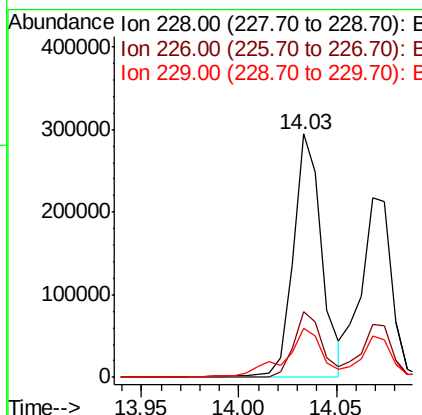
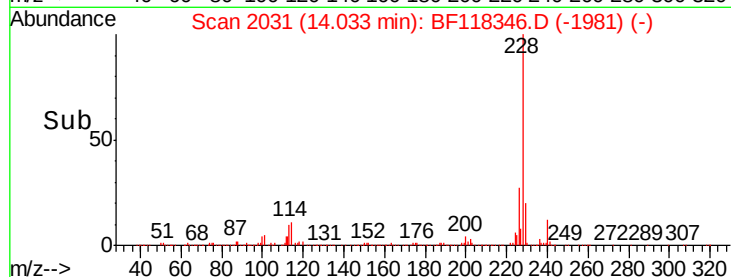
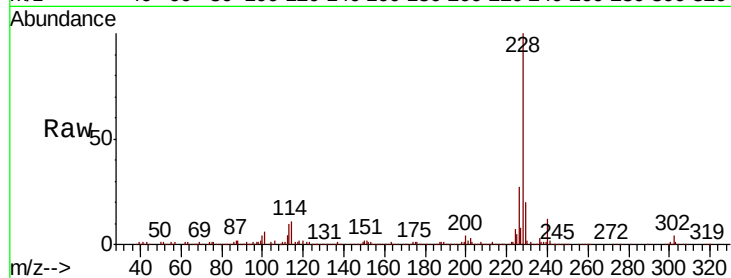
ClientSampleId :

SB-5-(4-5)

Tot Ion:	228	Resp:	295084
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.0	33.0
229	20.0	16.6	24.8

Manual Integrations
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#83

Chrysene

Concen: 10.902 ng

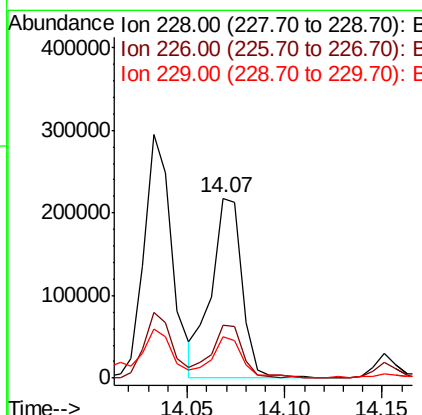
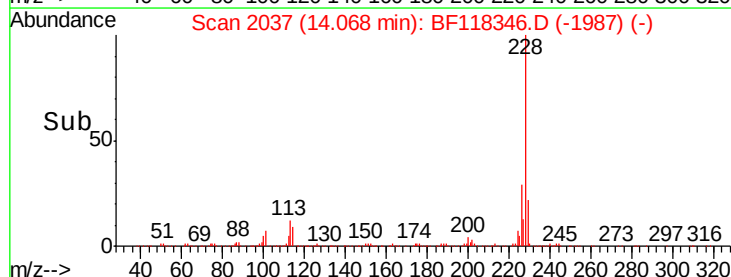
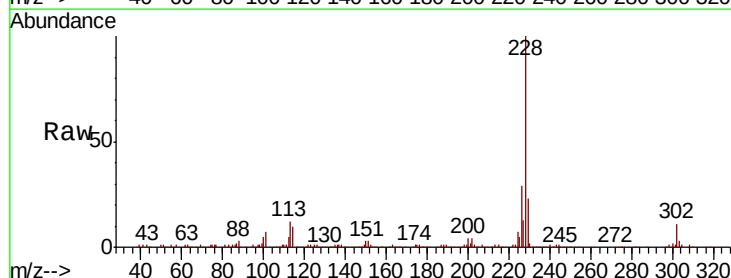
RT: 14.07 min Scan# 2037

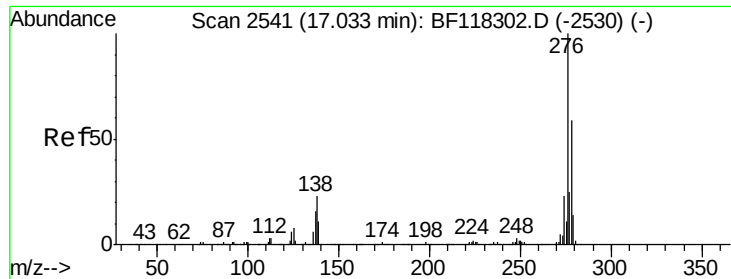
Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Tgt Ion:	228	Resp:	238847
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.9	35.9
229	22.8	16.1	24.1





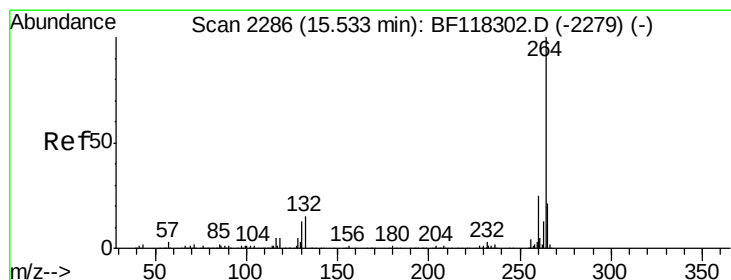
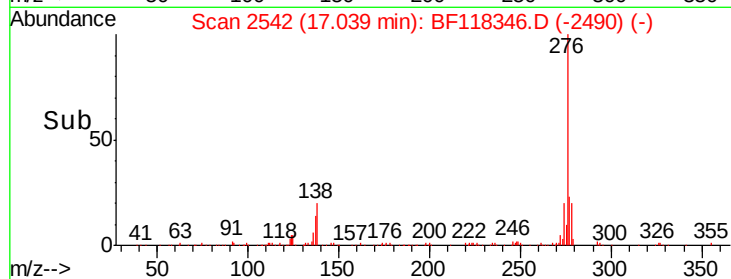
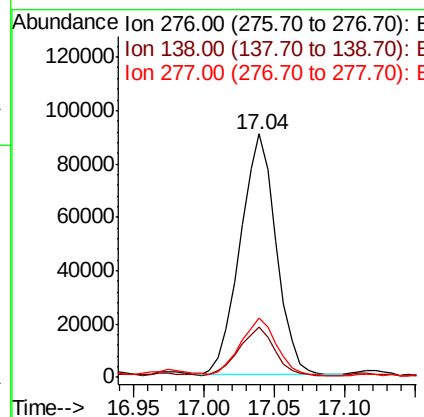
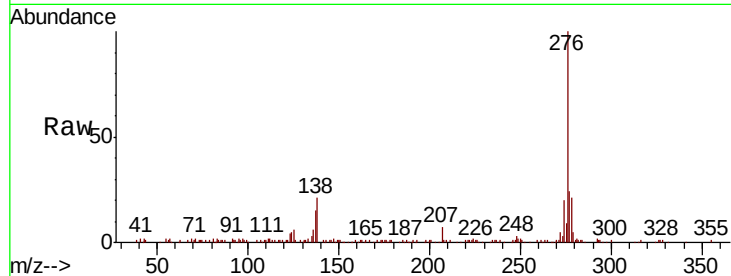
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.545 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.01 min
 Lab File: BF118346.D
 Acq: 27 Dec 2019 19:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.5	29.3
277	24.5	20.6	30.8

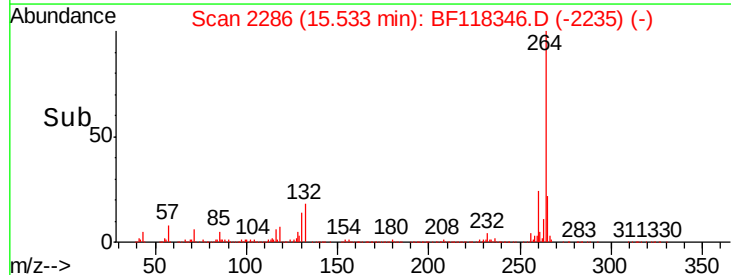
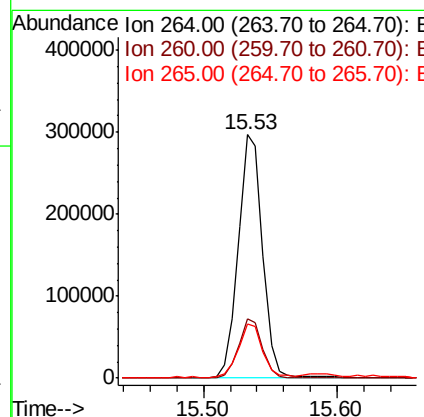
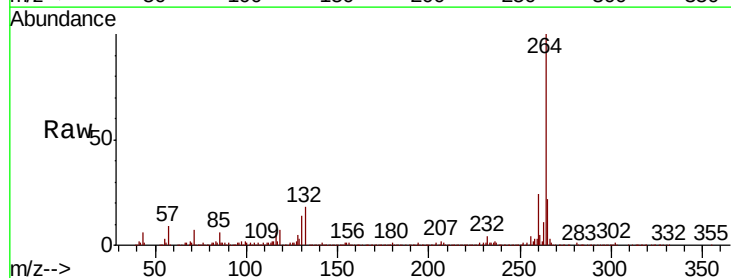
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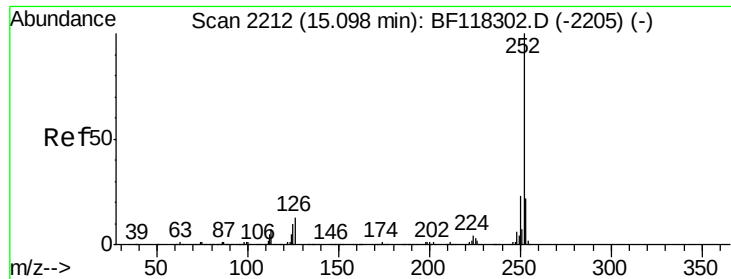
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BF118346.D
 Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	22.2	17.0	25.4





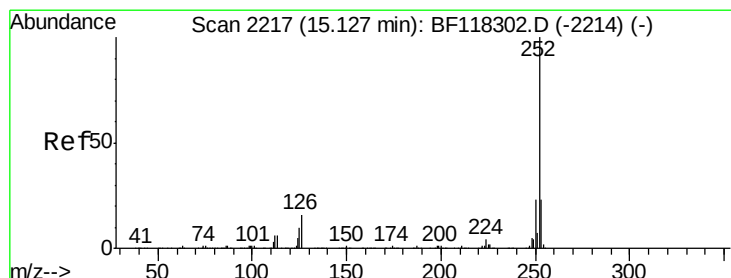
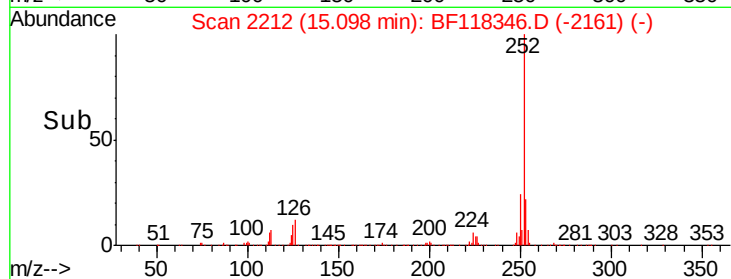
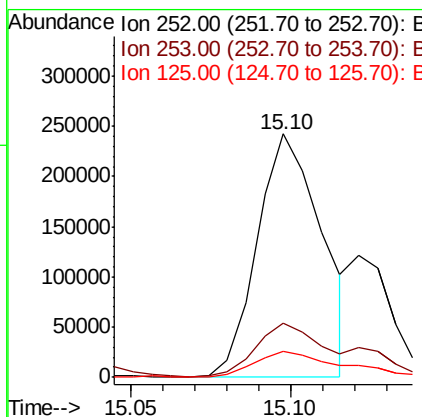
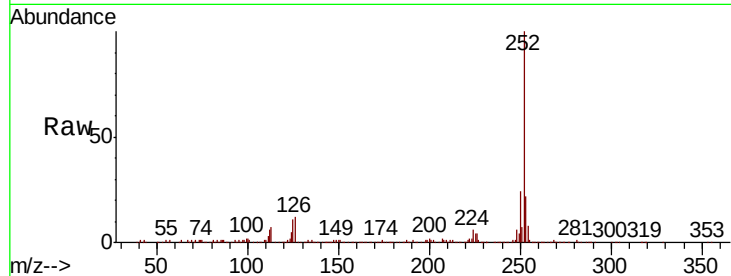
#88
Benzo(b)fluoranthene
Concen: 13.776 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.6	7.7	11.5

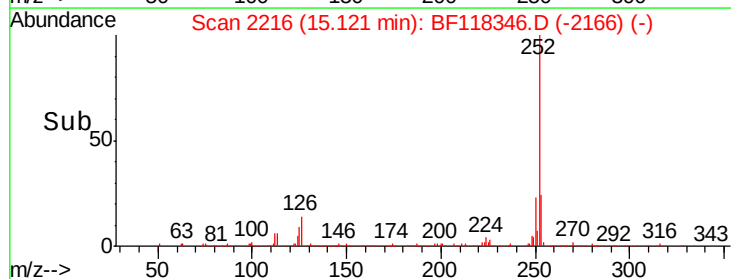
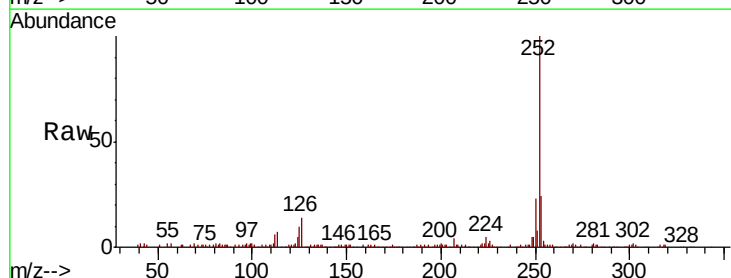
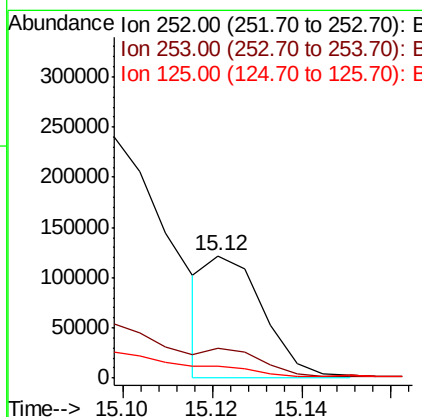
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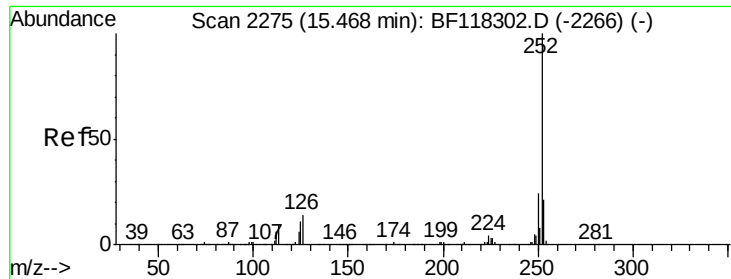
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.492 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	10.1	8.0	12.0





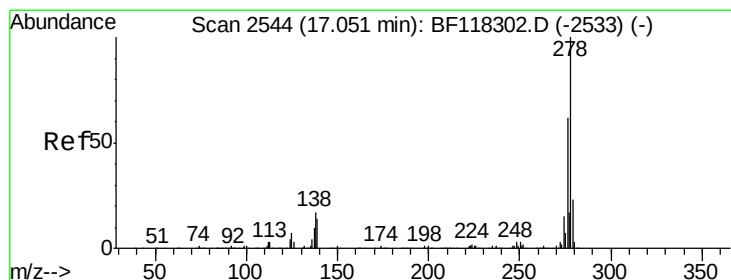
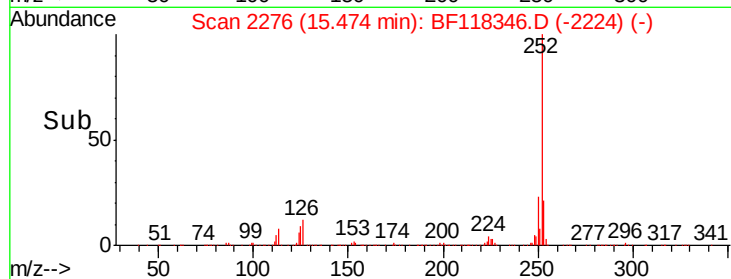
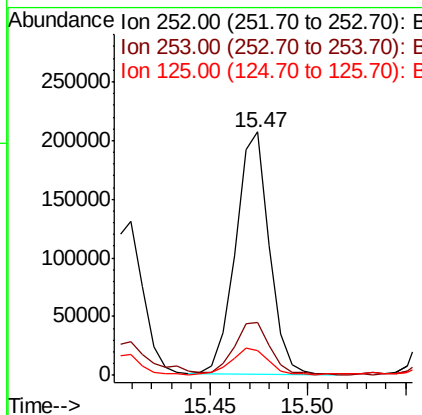
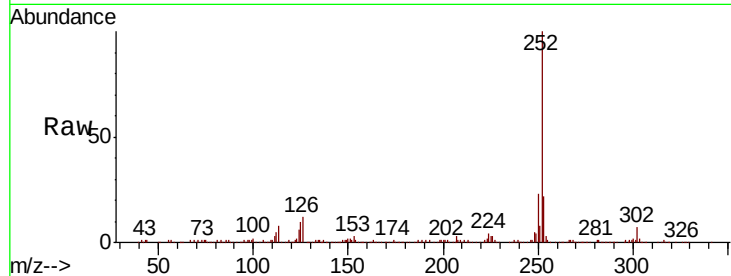
#90
Benzo(a)pyrene
Concen: 11.287 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :
SB-5-(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	247681		
253	21.9		17.0	25.6
125	9.9		9.0	13.4

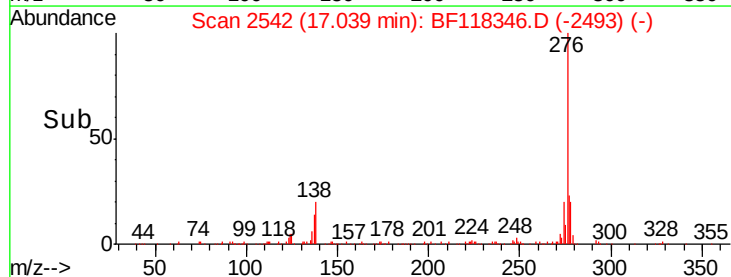
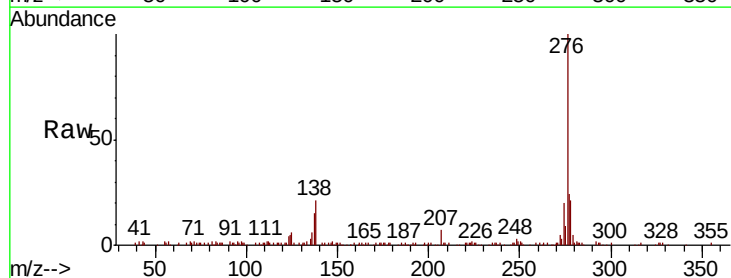
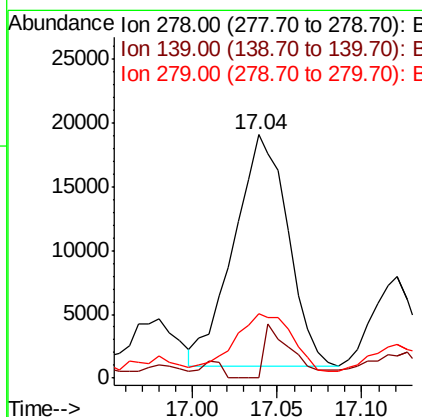
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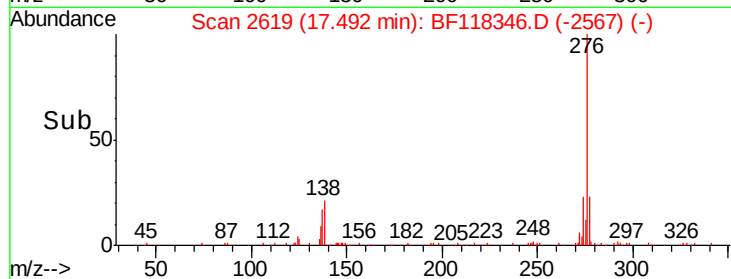
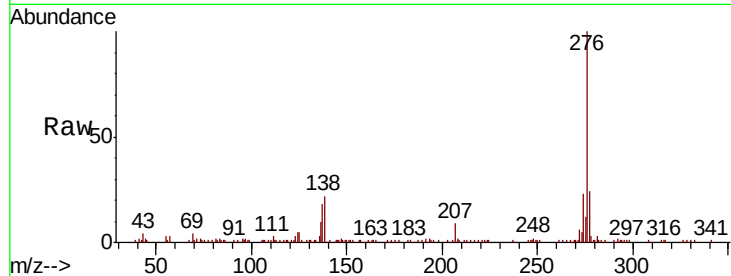
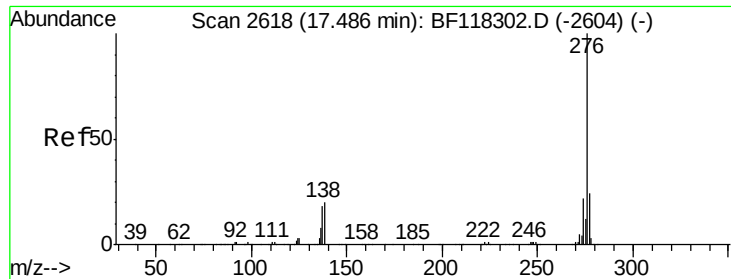
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.126 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	40478		
139	0.0		11.5	17.3#
279	26.2		18.3	27.5





#92

Benzo(a,h,i)perylene

Concen: 8.034 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampleId :

SB-5-(4-5)

Tot Ion:	276	Resp:	147789
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.1	28.7
138	21.8	16.1	24.1

Manual Integrations
APPROVED

mohammad
12/29/2019 5:27:53 PM

