

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
 Data File : BF118294.D
 Acq On : 19 Dec 2019 22:12
 Operator : JU
 Sample : K6325-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Manual Integrations
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Quant Time: Dec 20 04:48:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	101522	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	404533	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	219873	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	409714	20.00	ng	0.00
76) Chrysene-d12	14.05	240	278636	20.00	ng	-0.02
87) Perylene-d12	15.54	264	275369	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	506682	87.41	ng	0.00
7) Phenol-d6	6.49	99	780392	111.31	ng	0.00
23) Nitrobenzene-d5	7.42	82	470221	65.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	192183	71.95	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	922997	63.88	ng	-0.02
79) Terphenyl-d14	12.99	244	1122851	69.30	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.17	128	1443456	71.048	ng	99
37) 2-Methylnaphthalene	8.86	142	927115	67.405	ng	99
38) 1-Methylnaphthalene	8.96	142	449522	34.807	ng	98
46) 1,1'-Biphenyl	9.32	154	336248	19.390	ng	99
50) Dimethylphthalate	9.62	163	51929	3.197	ng	99
52) Acenaphthene	9.95	154	1357376	108.089	ng	97
55) Dibenzofuran	10.12	168	1324685	71.991	ng	99
58) Fluorene	10.46	166	1262236	86.318	ng	100
71) Phenanthrene	11.45	178	4670066	214.421	ng	95
72) Anthracene	11.48	178	816044	37.559	ng	99
73) Carbazole	11.63	167	525344	26.949	ng	99
75) Fluoranthene	12.63	202	3030872	136.110	ng	96
78) Pvrene	12.86	202	2182540	99.397	ng	99
81) Benzo(a)anthracene	14.04	228	460634	23.908	ng	99
83) Chrysene	14.08	228	486836	26.453	ng	98
86) Indeno(1,2,3-cd)pyrene	17.05	276	55783	3.602	ng	96
88) Benzo(b)fluoranthene	15.10	252	278235m	15.278	ng	
89) Benzo(k)fluoranthene	15.13	252	93187m	5.326	ng	
90) Benzo(a)pvrene	15.47	252	137169	8.528	ng	97
92) Benzo(a,h,i)perylene	17.50	276	42596	3.213	ng	95

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

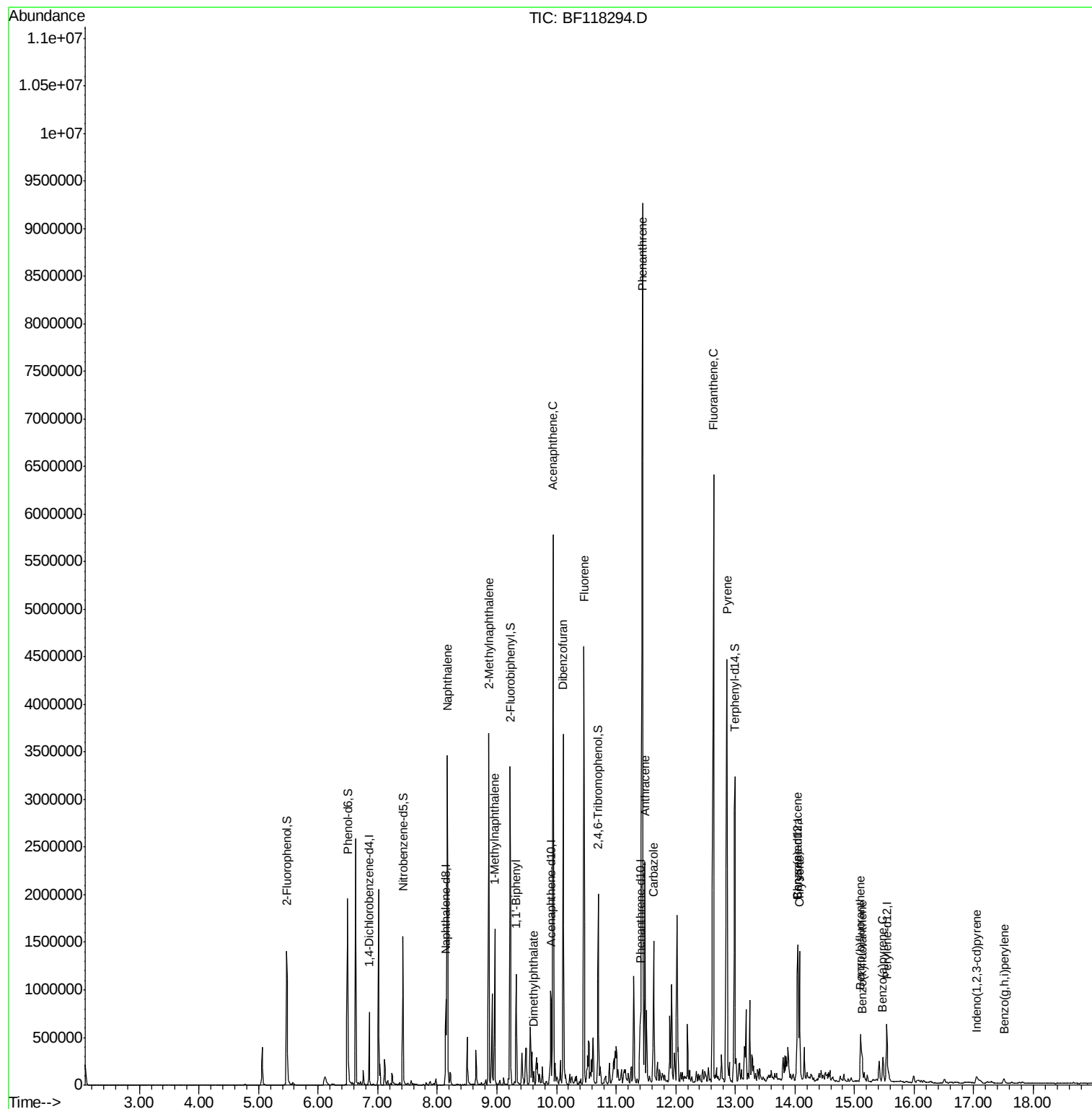
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
Data File : BF118294.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

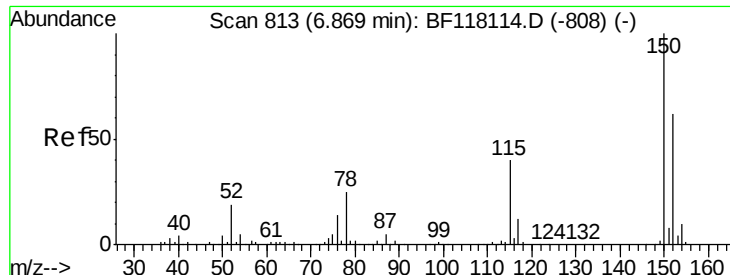
Instrument :
BNA_F
ClientSampleId :
RT-3425

Quant Time: Dec 20 04:48:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration

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#1

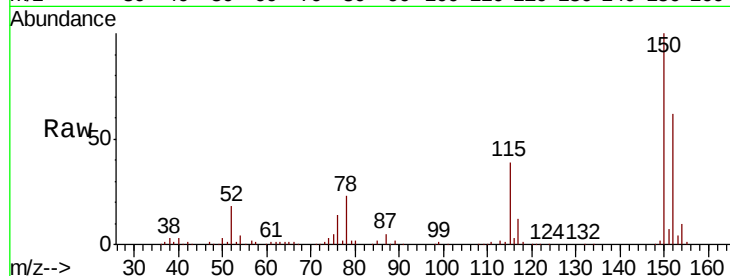
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	128.3	192.5
115	62.6	51.1	76.7

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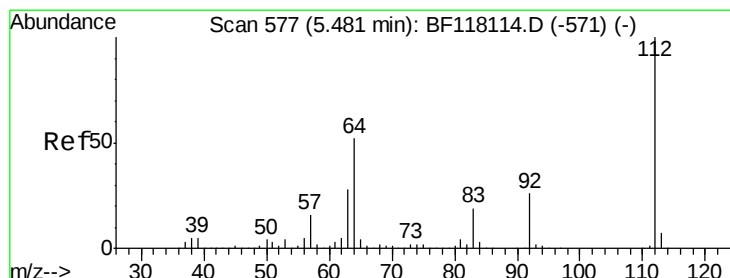
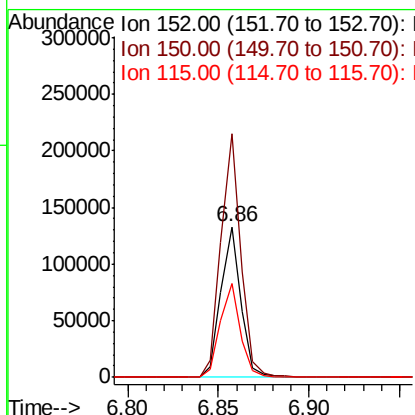
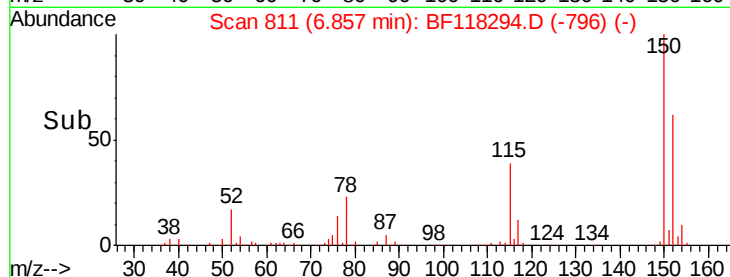


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

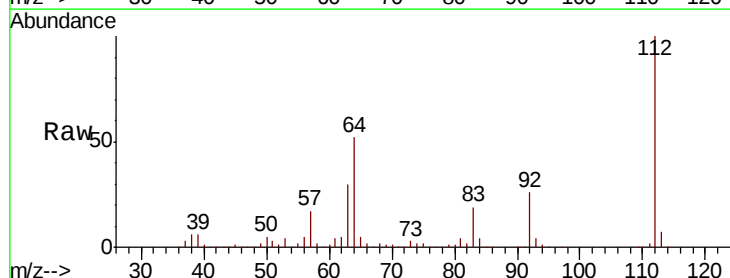
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.413 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.3	61.9
63	29.6	22.4	33.6

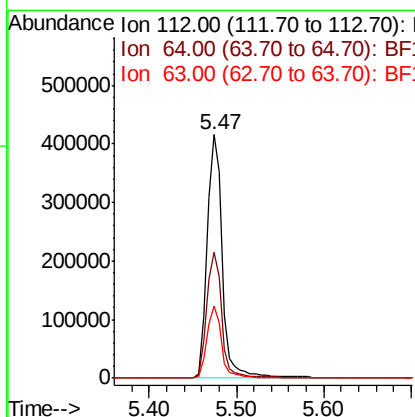
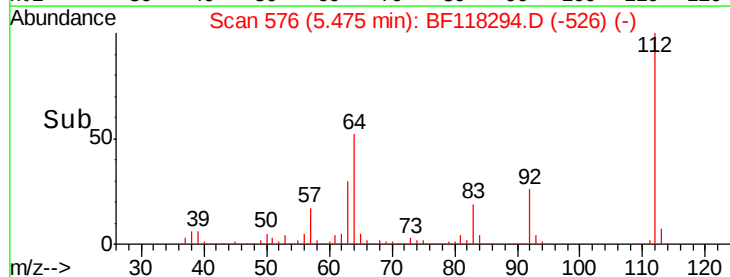


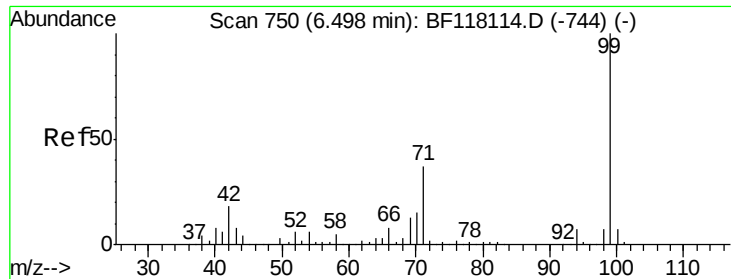
Abundance

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: 111.311 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118294.D

Acq: 19 Dec 2019 22:12

Instrument :

BNA_F

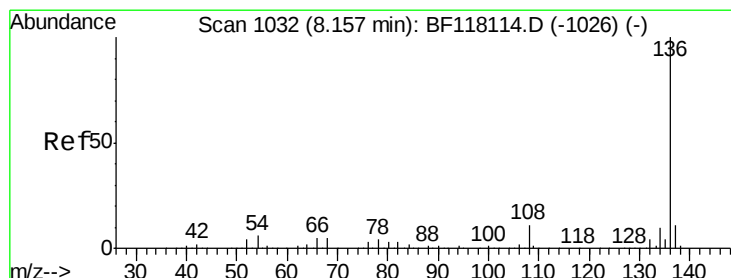
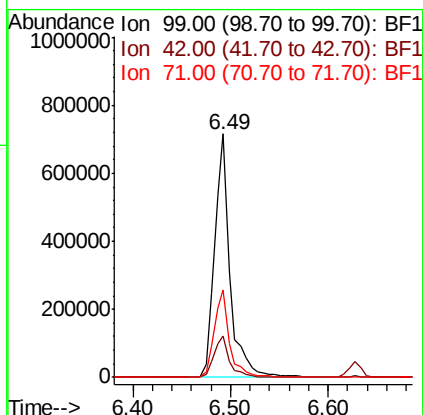
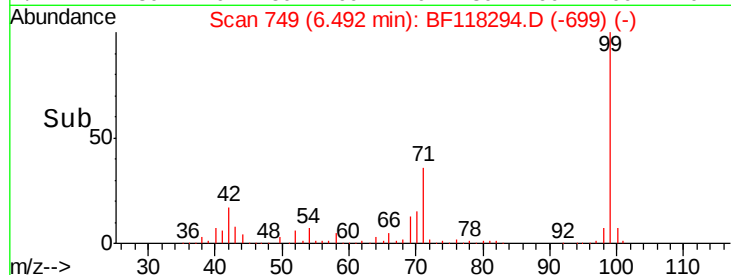
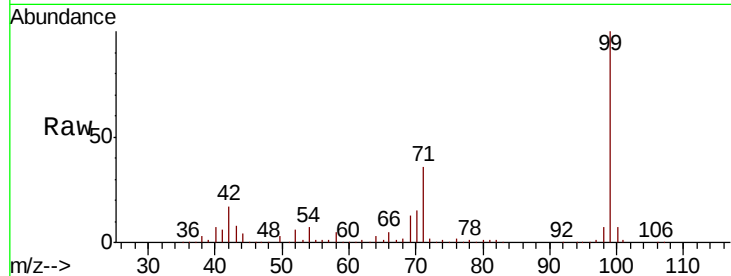
ClientSampled :

RT-3425

Tot Ion:	99	Resp:	780392
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.1	21.1
71	35.7	29.7	44.5

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#21

Naphthalene-d8

Concen: 20.000 ng

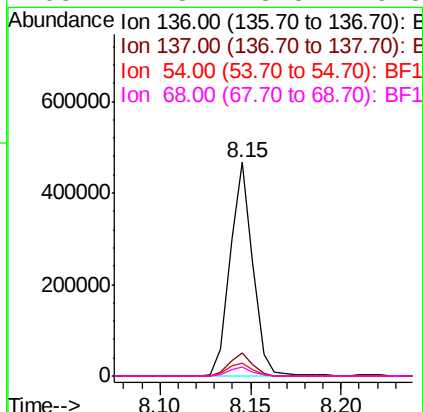
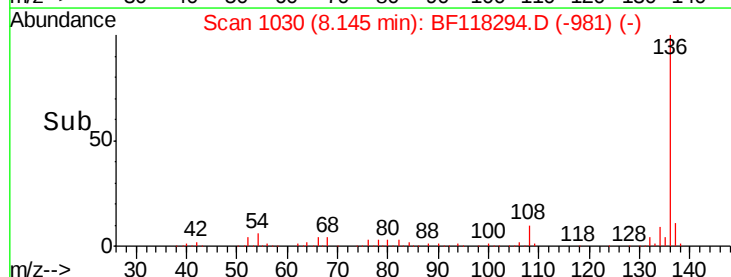
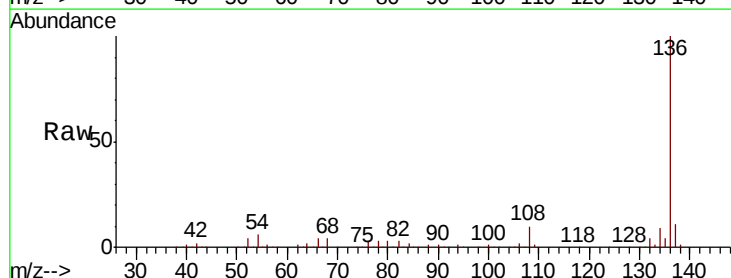
RT: 8.15 min Scan# 1030

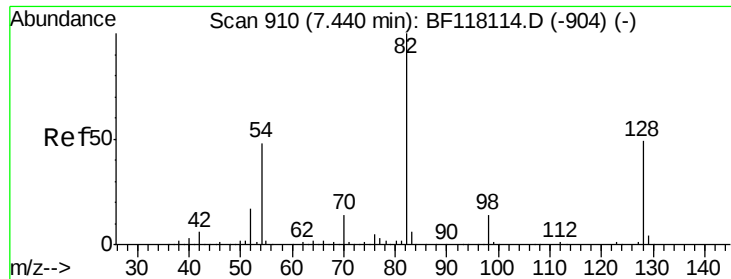
Delta R.T. -0.01 min

Lab File: BF118294.D

Acq: 19 Dec 2019 22:12

Tgt Ion:	136	Resp:	404533
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	6.2	5.0	7.6
68	4.3	3.8	5.8





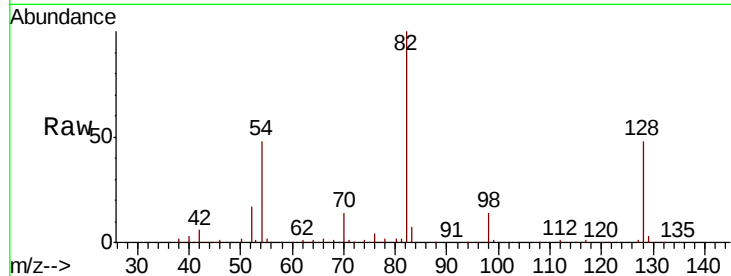
#23
Nitrobenzene-d5
Concen: 65.393 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

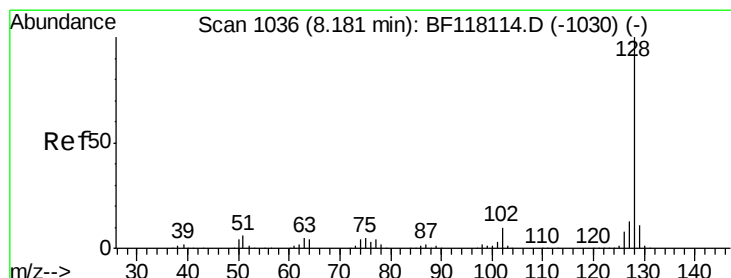
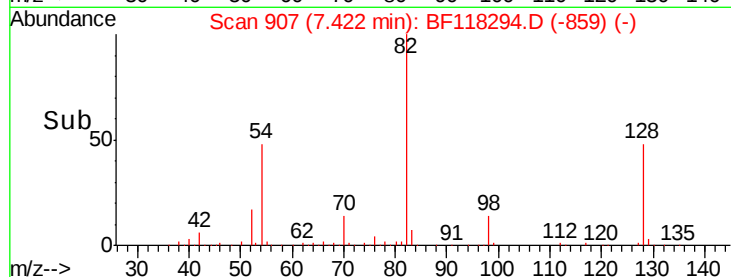
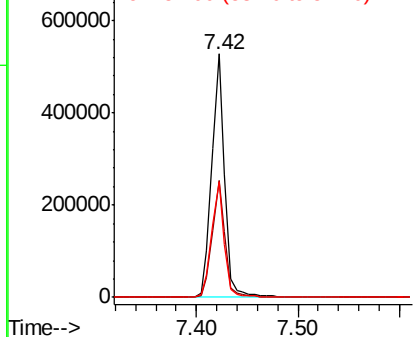
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	39.1	58.7
54	47.5	38.2	57.2

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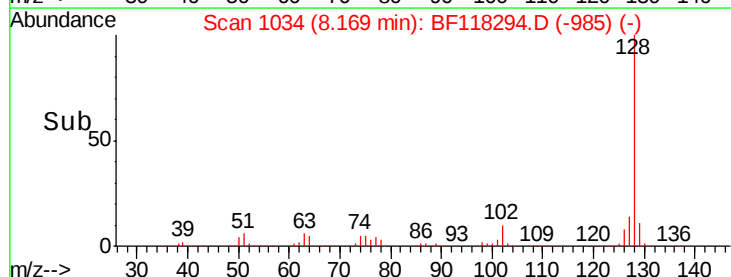
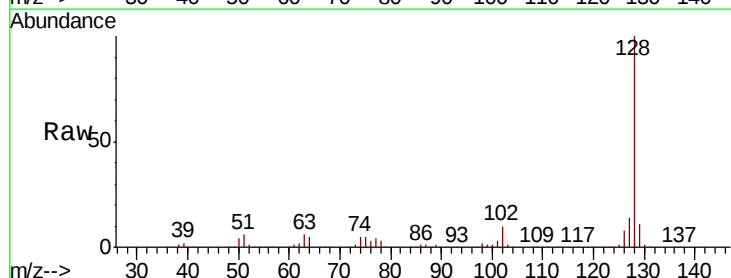
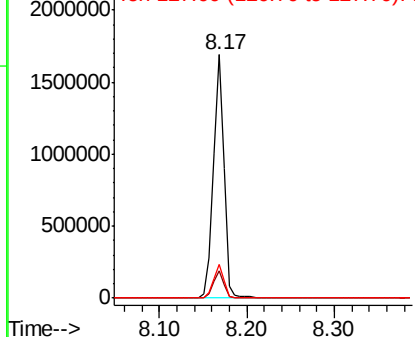
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

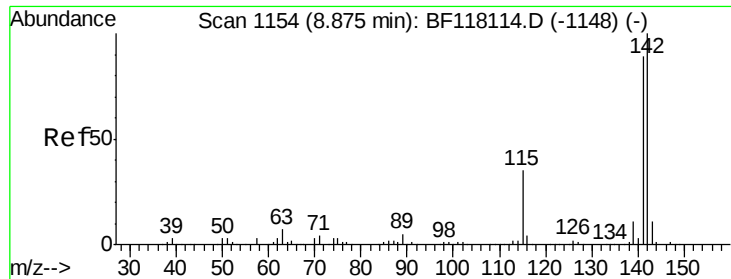


#31
Naphthalene
Concen: 71.048 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.9	10.6	16.0

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





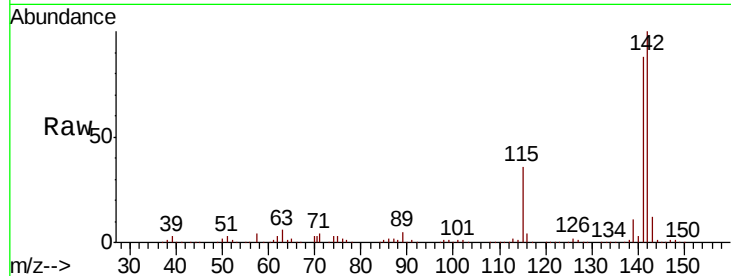
#37
2-Methylnaphthalene
Concen: 67.405 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

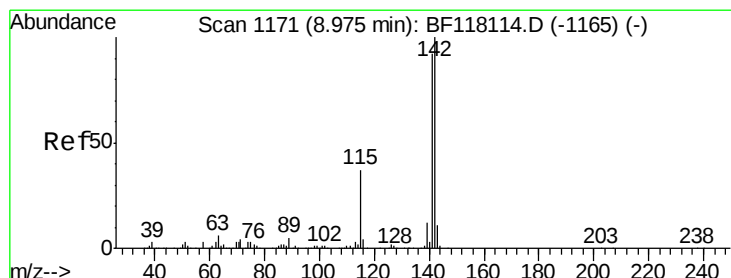
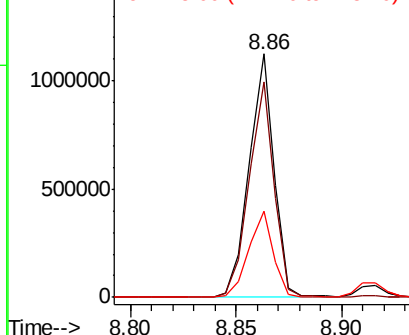
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.0
115	35.6	28.2	42.4

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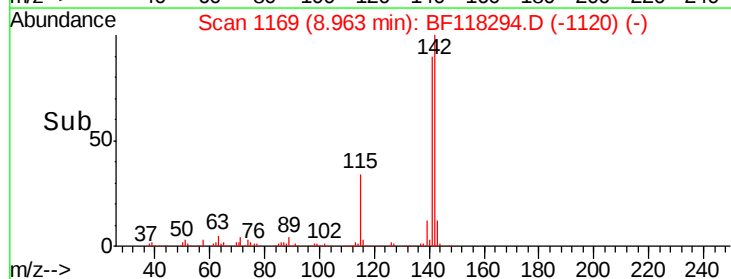
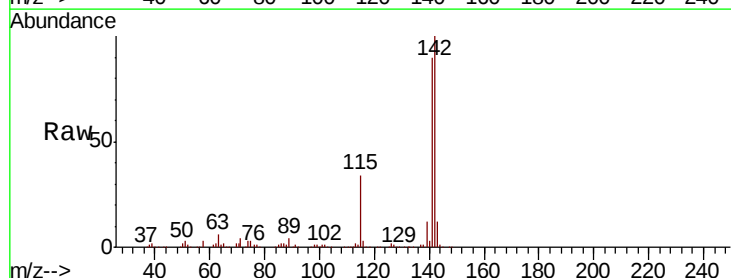
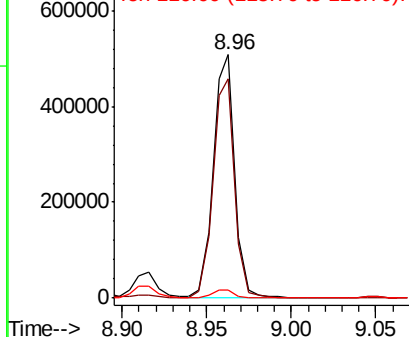
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

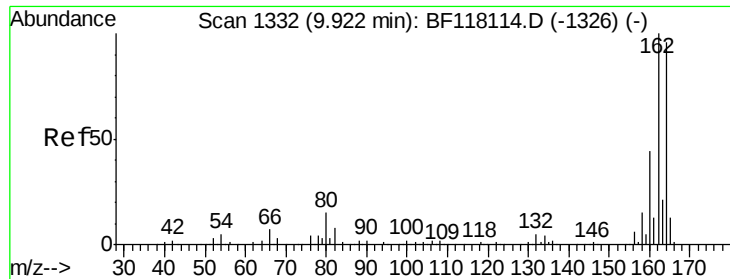


#38
1-Methylnaphthalene
Concen: 34.807 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	74.0	111.0
116	3.5	3.2	4.8

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





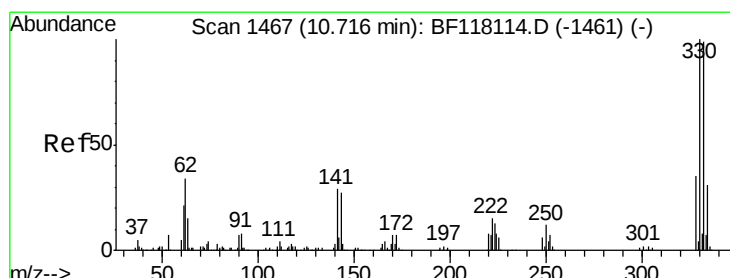
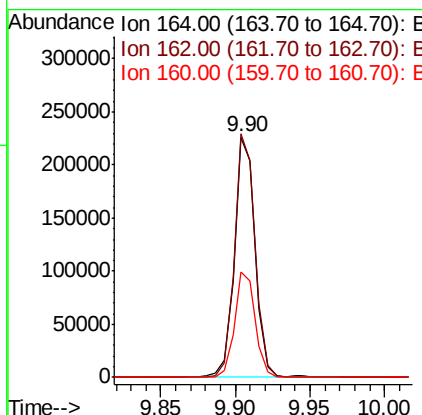
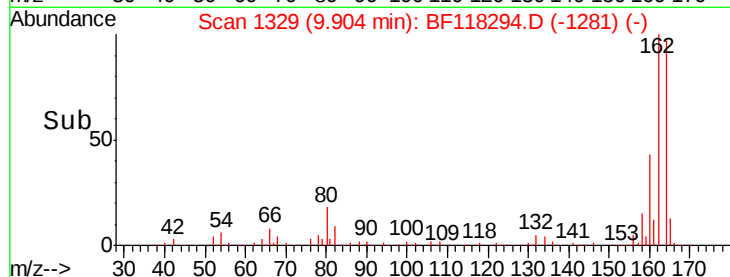
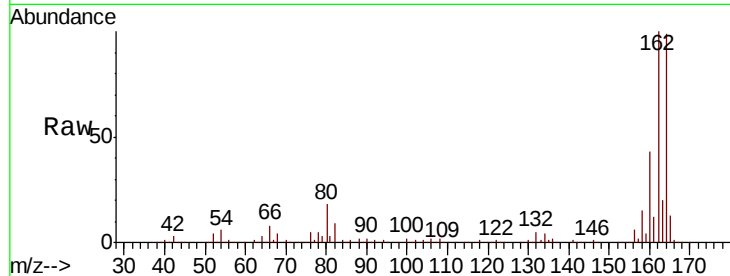
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.4	125.0
160	43.7	36.6	54.8

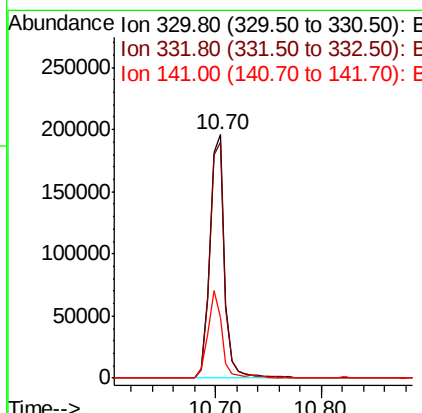
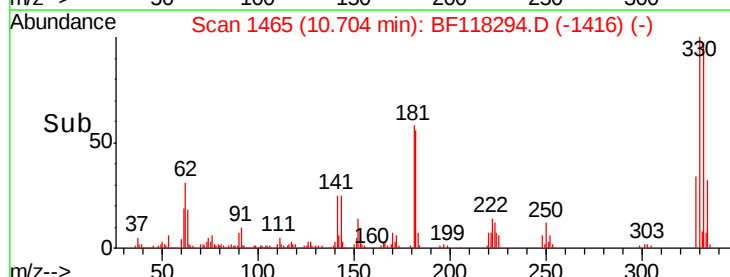
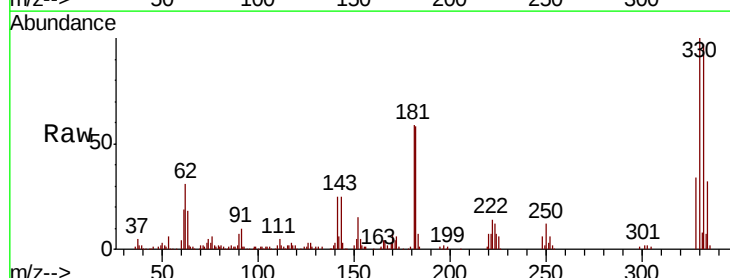
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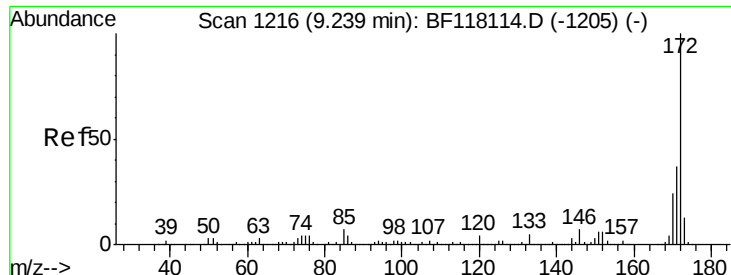
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#42
2,4,6-Tribromophenol
Concen: 71.950 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.1	117.1
141	34.8	26.9	40.3





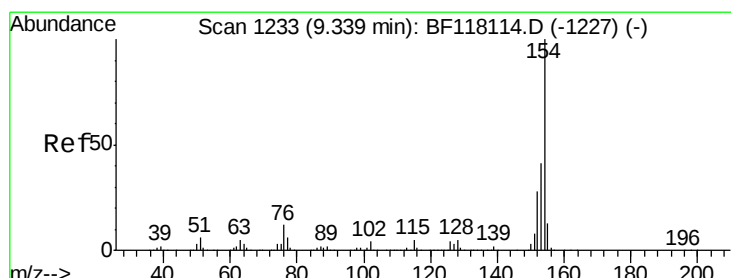
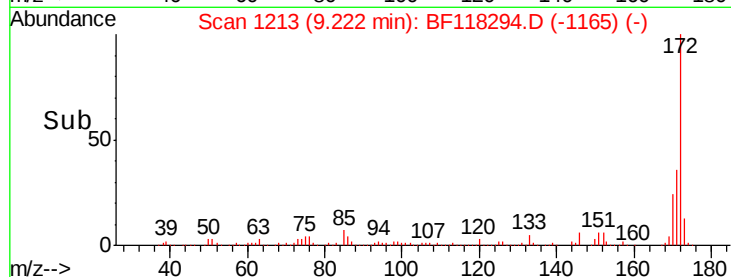
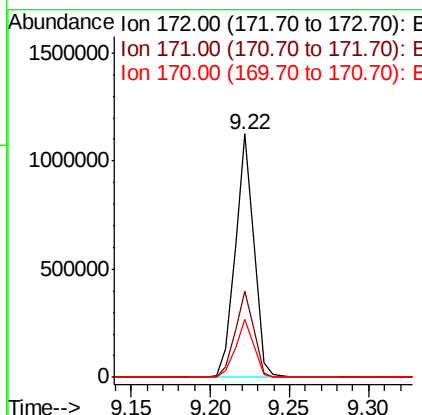
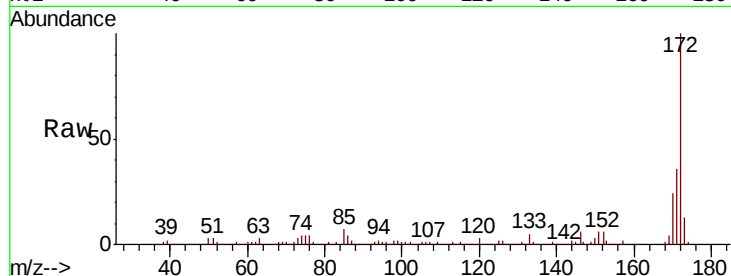
#45
2-Fluorobiphenyl
Concen: 63.877 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.2	43.8	
170	23.8	19.4	29.2	

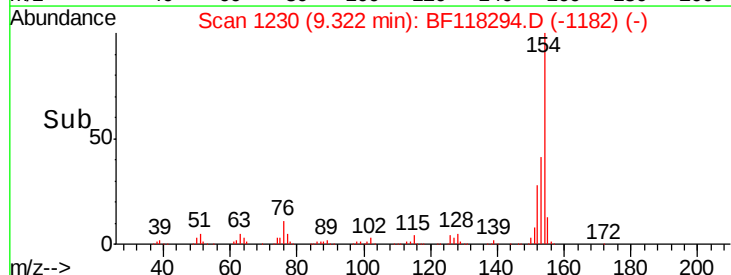
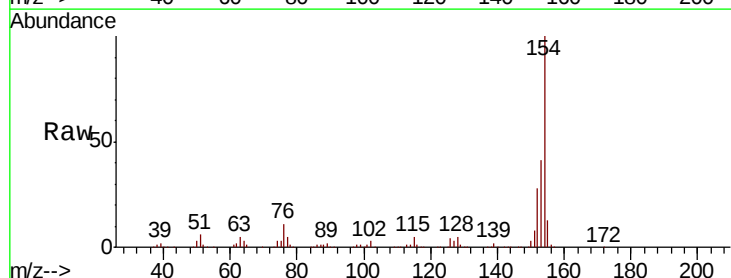
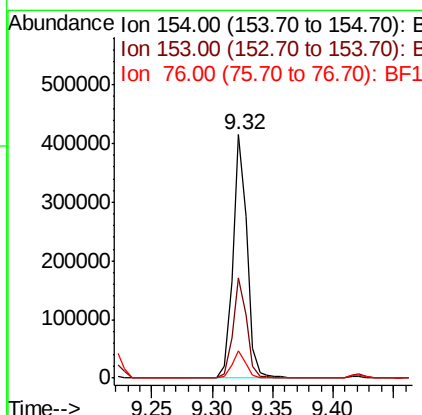
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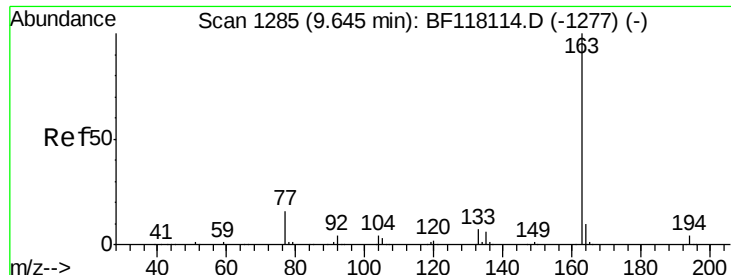
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#46
1,1'-Biphenyl
Concen: 19.390 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.3	20.7	60.7	
76	11.3	0.0	31.9	





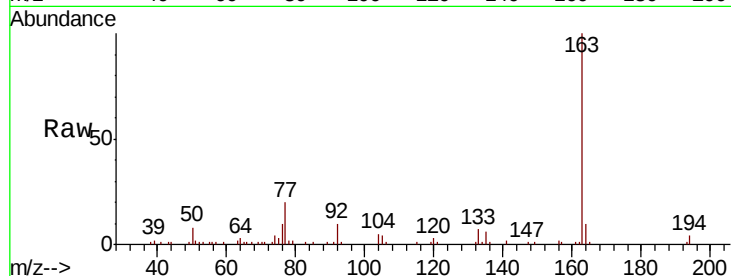
#50
Dimethylphthalate
Concen: 3.197 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	10.0	7.7	11.5

Manual Integrations
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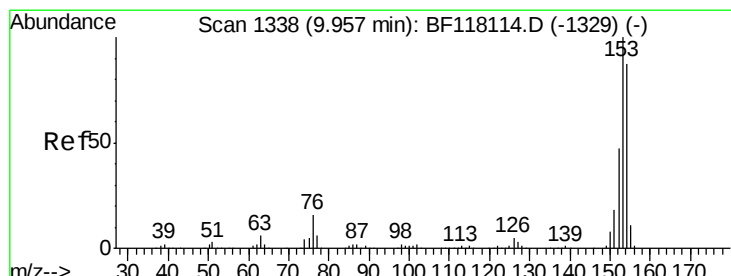
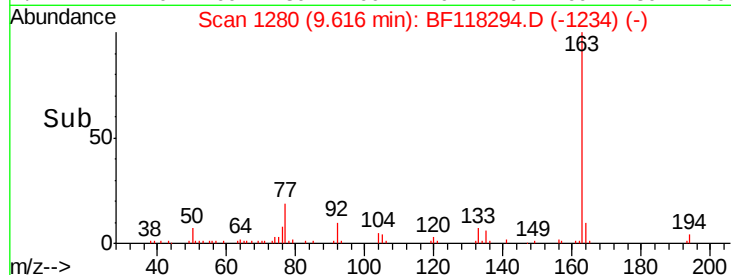
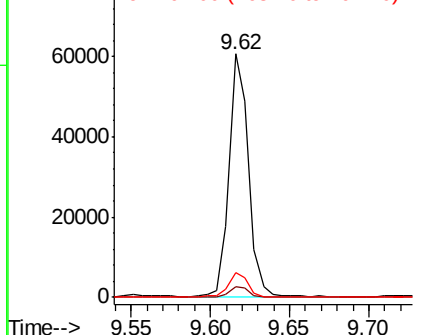


Abundance

Ion 163.00 (162.70 to 163.70): E

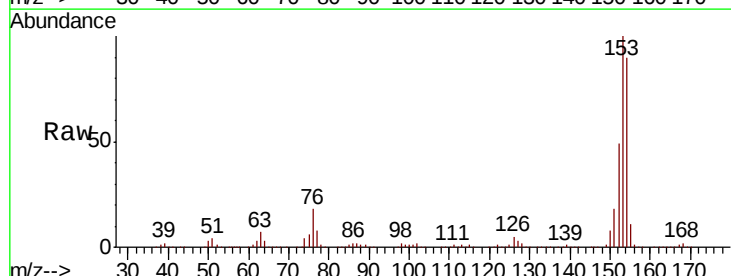
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 108.089 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.8	91.8	137.6
152	54.0	43.3	64.9

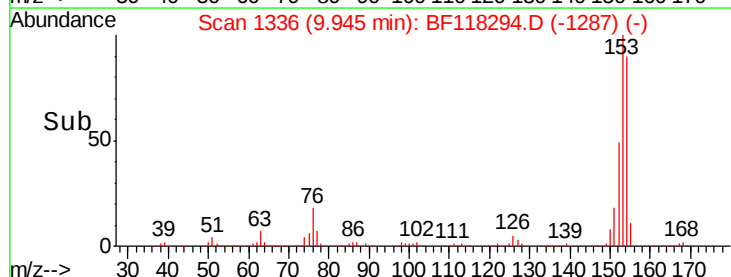
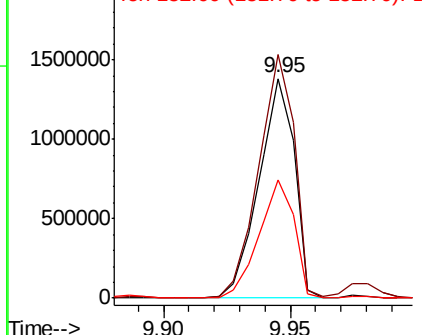


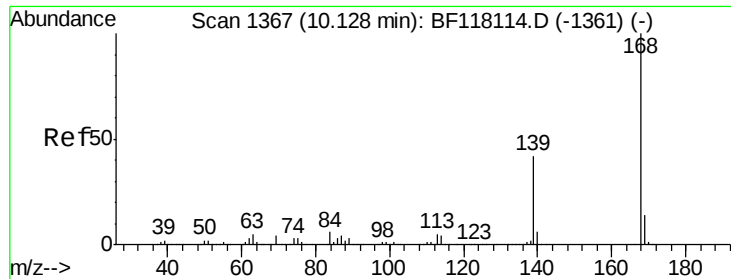
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





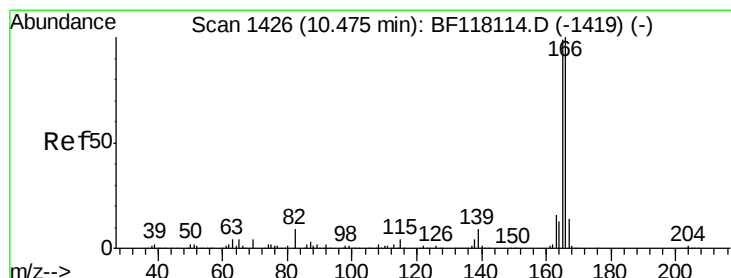
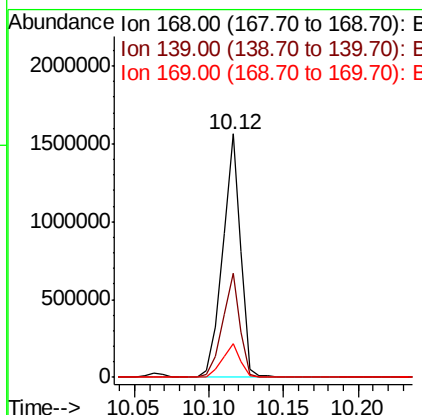
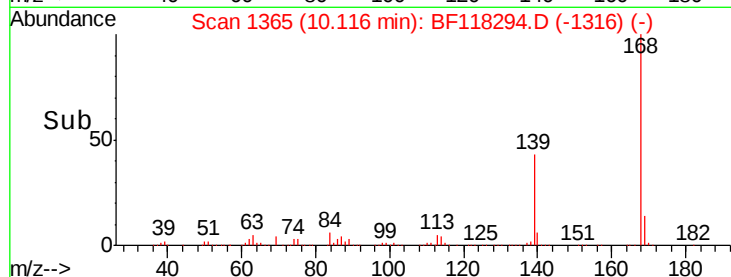
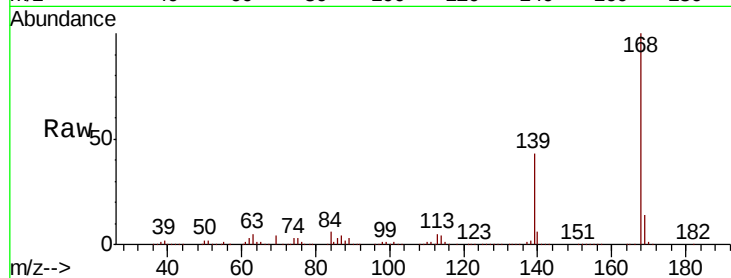
#55
Dibenzofuran
Concen: 71.991 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampled :
RT-3425

Tot Ion:168 Resp: 1324685
Ion Ratio Lower Upper
168 100
139 42.7 33.4 50.0
169 13.9 11.0 16.6

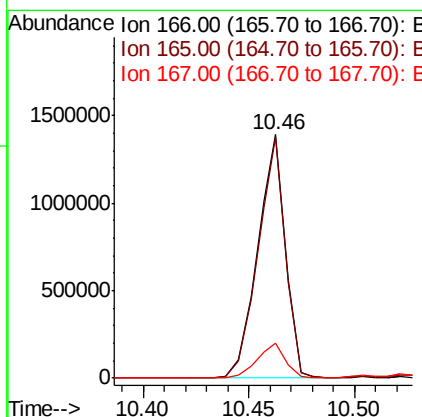
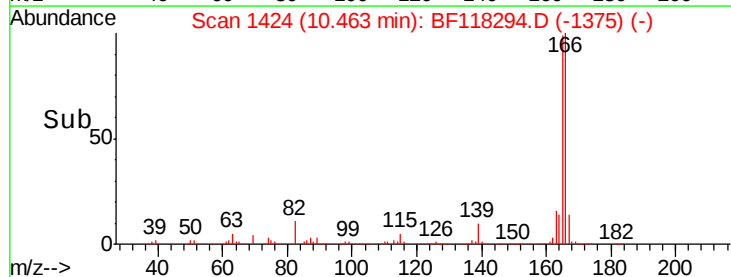
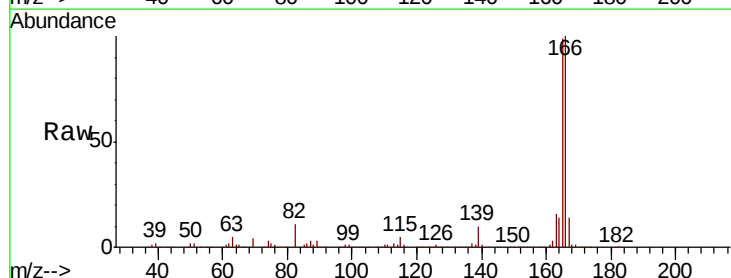
Manual Integrations
APPROVED

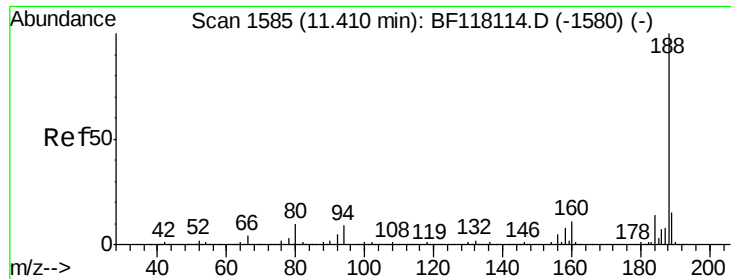
Sohil
12/20/2019 4:26:22 PM



#58
Fluorene
Concen: 86.318 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion:166 Resp: 1262236
Ion Ratio Lower Upper
166 100
165 98.8 79.0 118.4
167 14.3 10.9 16.3





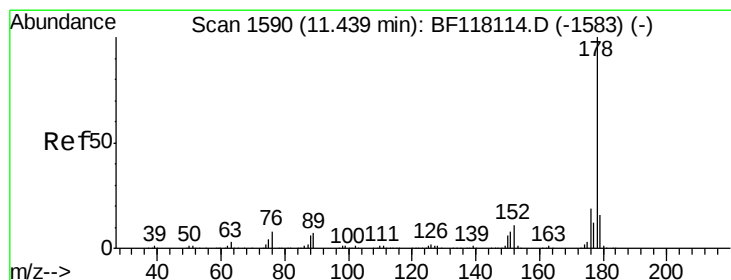
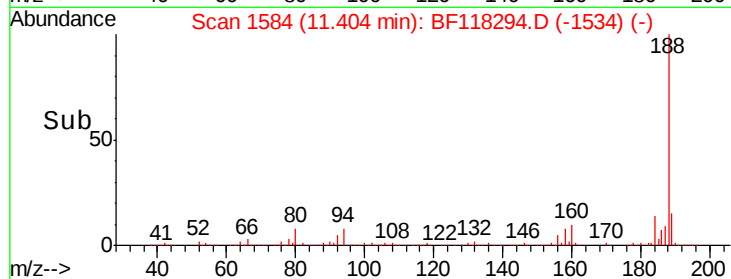
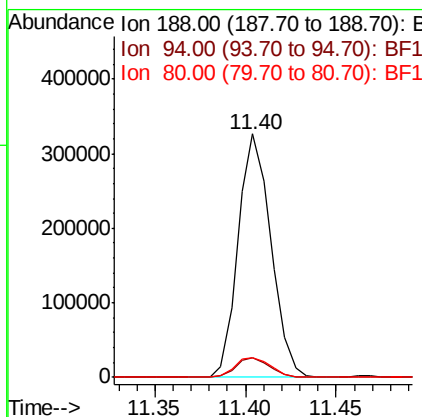
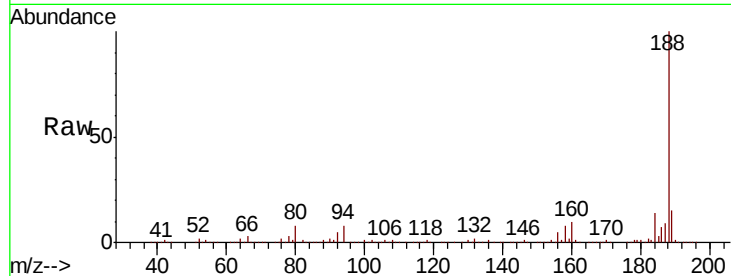
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118294.D
 Acq: 19 Dec 2019 22:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Tot Ion	Ratio	Resp	Lower	Upper
188	100	409714		
94	8.0		7.1	10.7
80	8.3		7.9	11.9

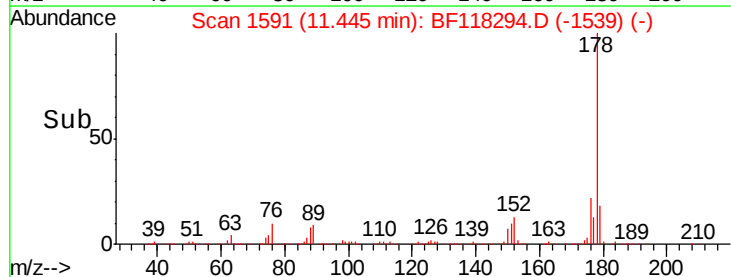
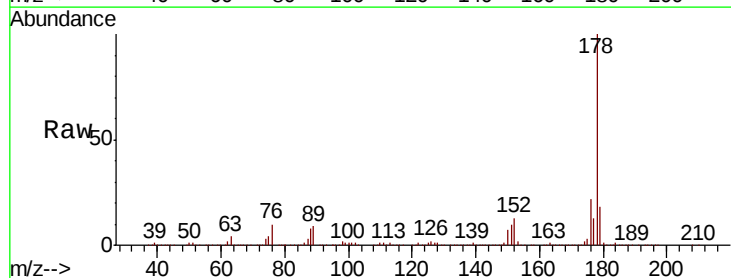
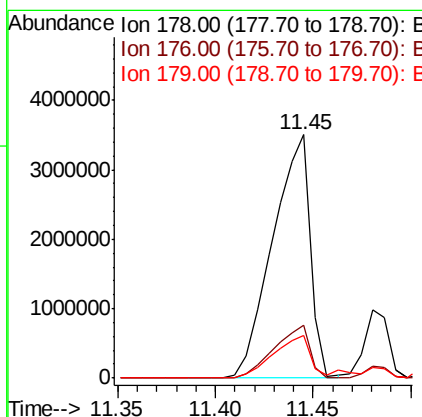
Manual Integrations
 APPROVED

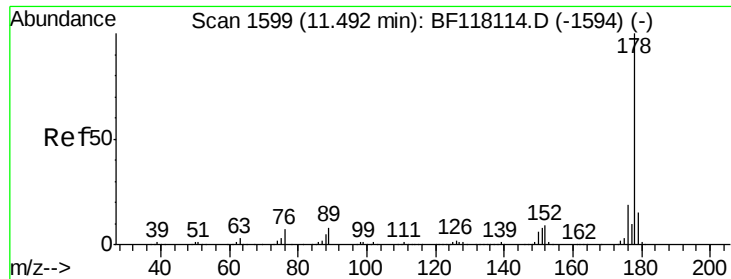
Sohil
 12/20/2019 4:26:22 PM



#71
 Phenanthrene
 Concen: 214.421 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF118294.D
 Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4670066		
176	21.7		15.5	23.3
179	17.7		12.6	18.8





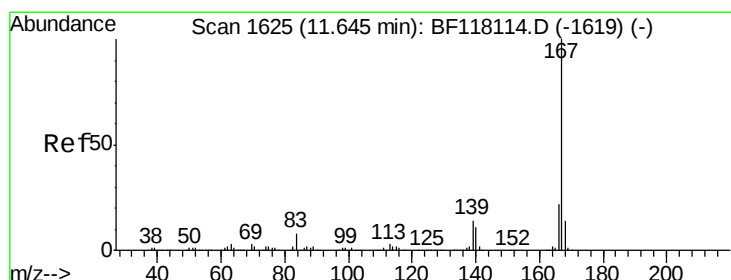
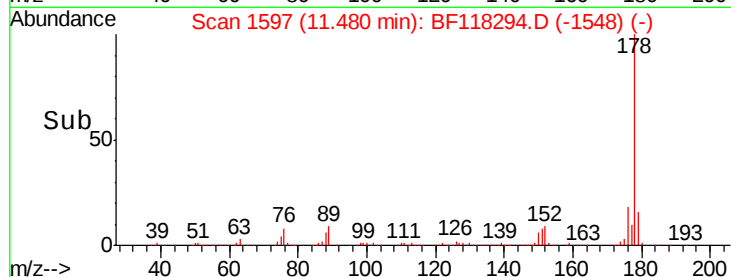
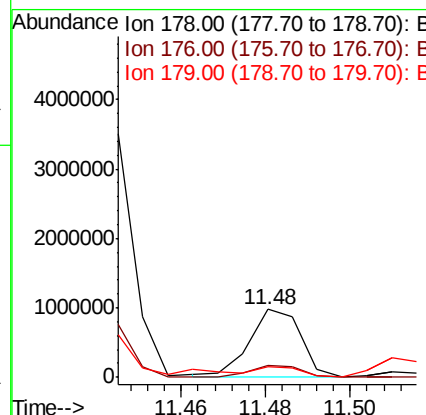
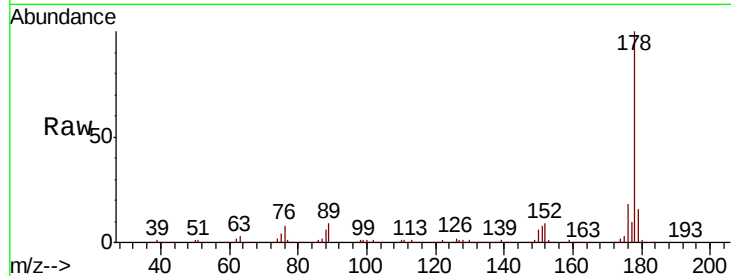
#72
 Anthracene
 Concen: 37.559 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF118294.D
 Acq: 19 Dec 2019 22:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.8	12.2	18.4

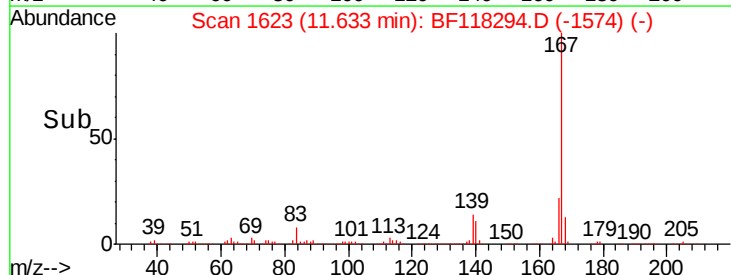
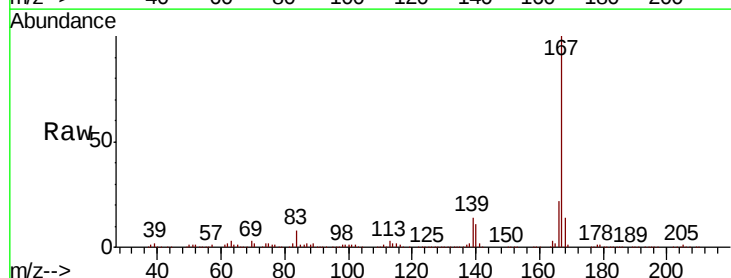
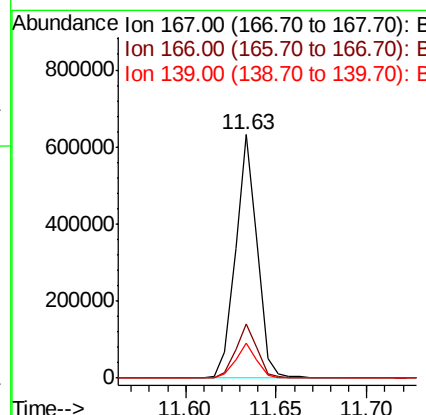
Manual Integrations
 APPROVED

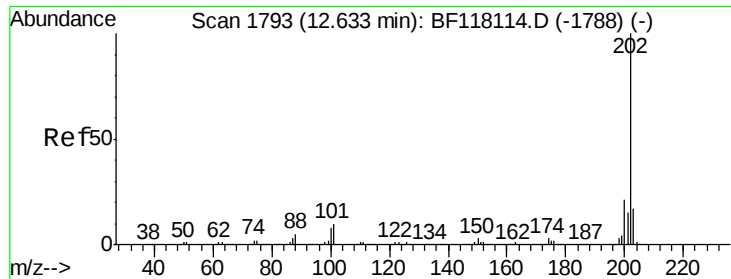
Sohil
 12/20/2019 4:26:22 PM



#73
 Carbazole
 Concen: 26.949 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF118294.D
 Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.2
139	14.1	11.4	17.0





#75

Fluoranthene

Concen: 136.110 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF118294.D

Acq: 19 Dec 2019 22:12

Instrument :

BNA_F

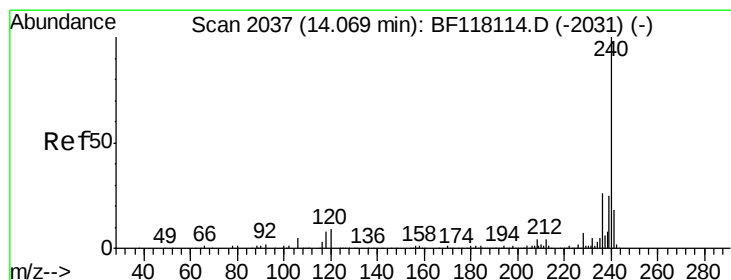
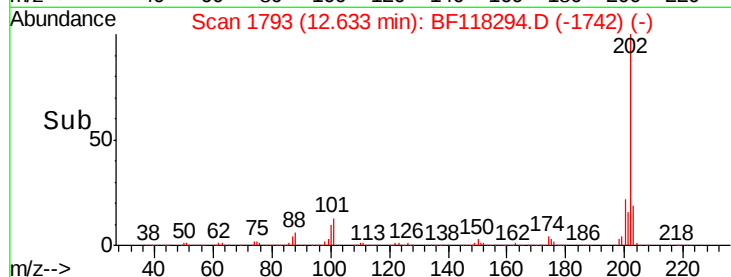
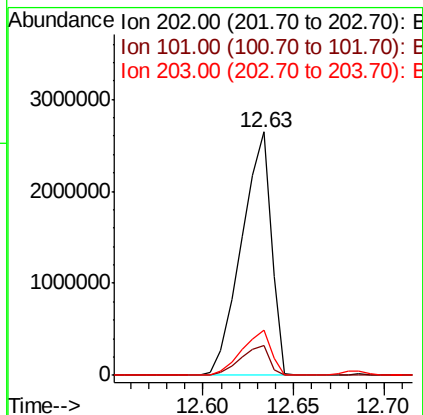
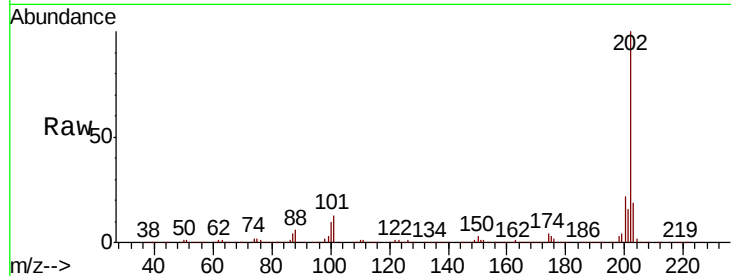
ClientSampleId :

RT-3425

Tot Ion:	202	Resp:	3030872
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	30.4
203	18.8	0.0	37.2

Manual Integrations
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Sohil
12/20/2019 4:26:22 PM



#76

Chrysene-d12

Concen: 20.000 ng

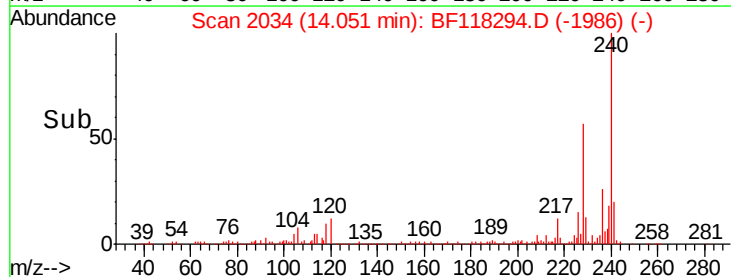
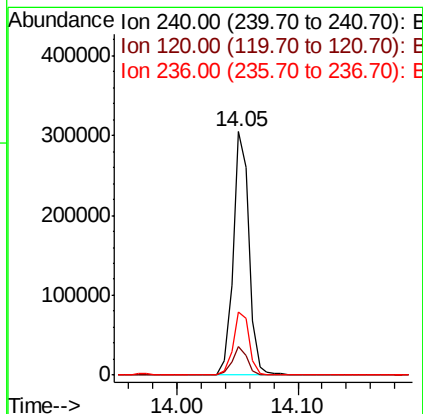
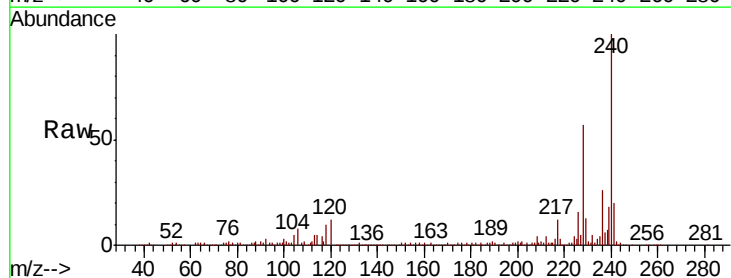
RT: 14.05 min Scan# 2034

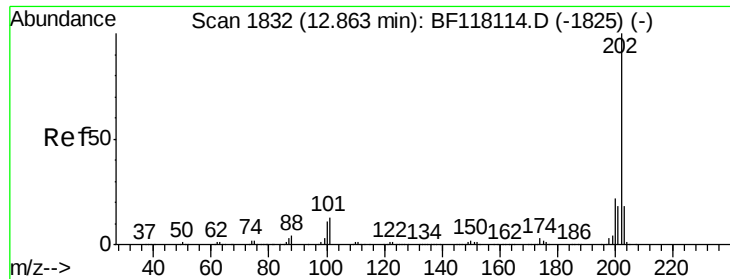
Delta R.T. -0.02 min

Lab File: BF118294.D

Acq: 19 Dec 2019 22:12

Tgt Ion:	240	Resp:	278636
Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.1	10.7#
236	26.1	21.0	31.6





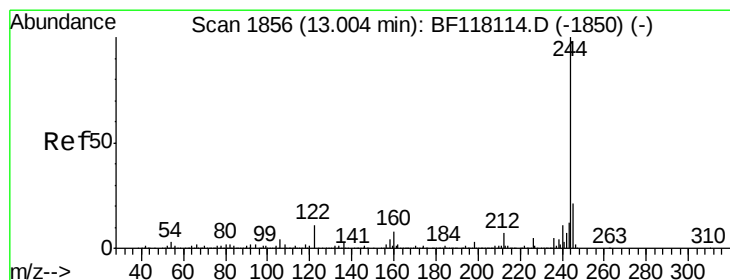
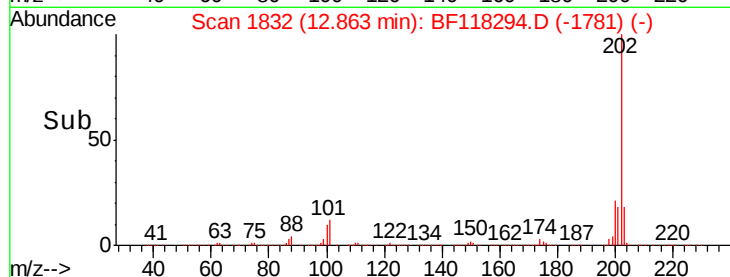
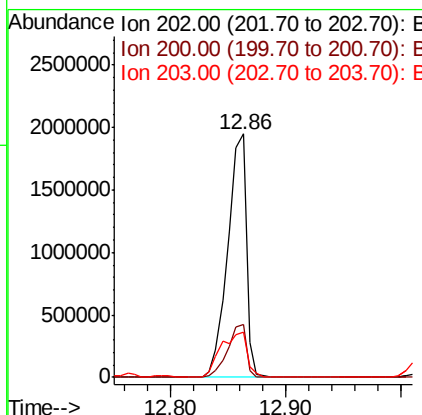
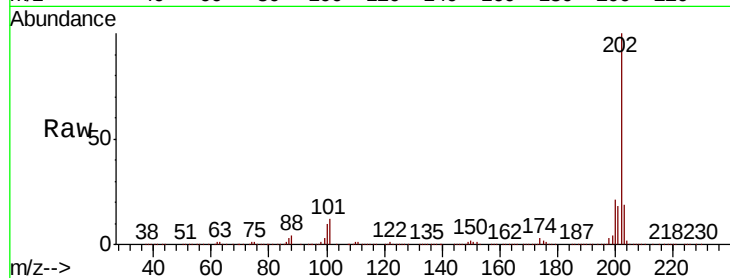
#78
Pvrene
Concen: 99.397 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.5	26.3
203	18.6	14.6	21.8

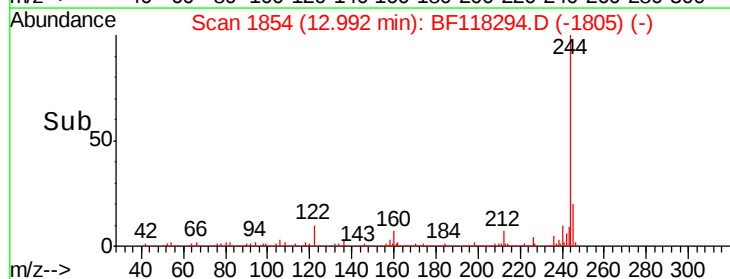
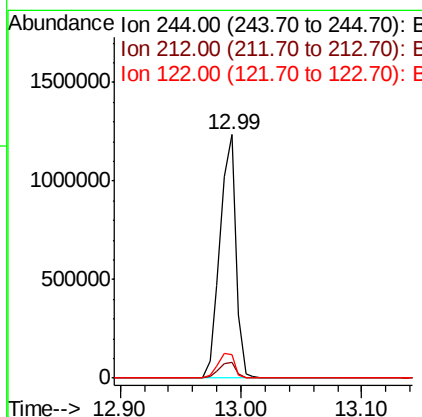
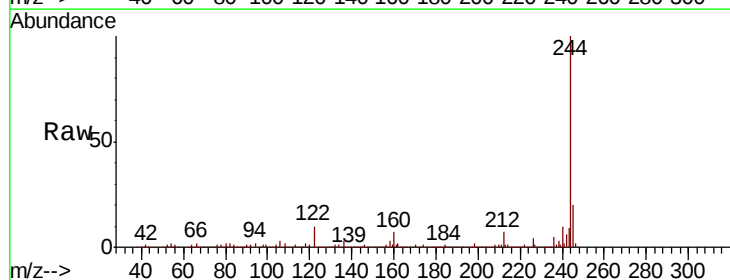
Manual Integrations
APPROVED

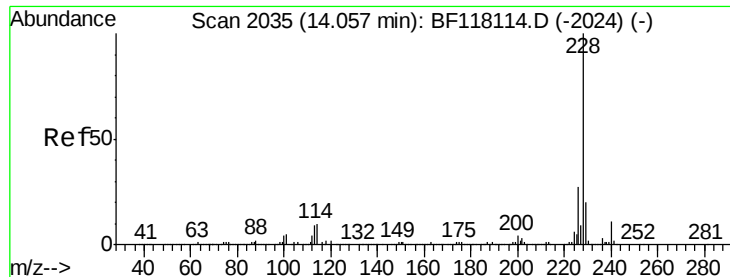
Sohil
12/20/2019 4:26:22 PM



#79
Terphenyl-d14
Concen: 69.298 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	9.8	9.0	13.6





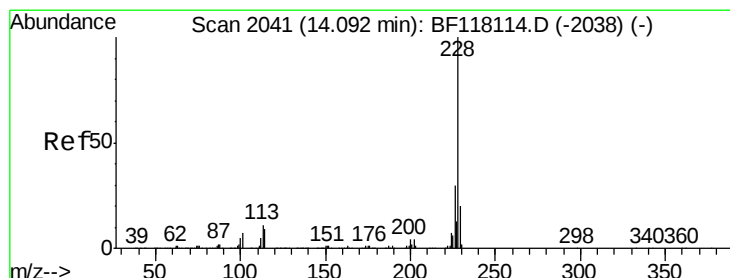
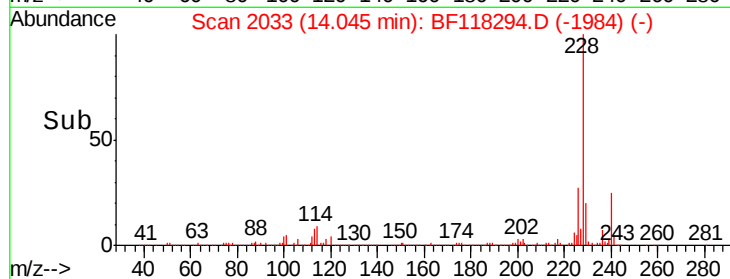
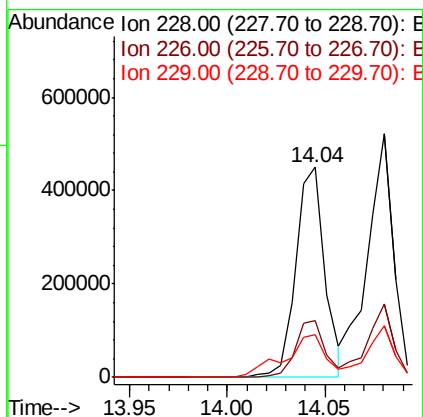
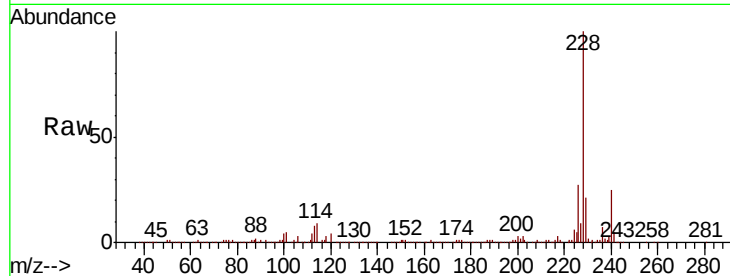
#81
Benzo(a)anthracene
Concen: 23.908 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	20.6	15.8	23.8

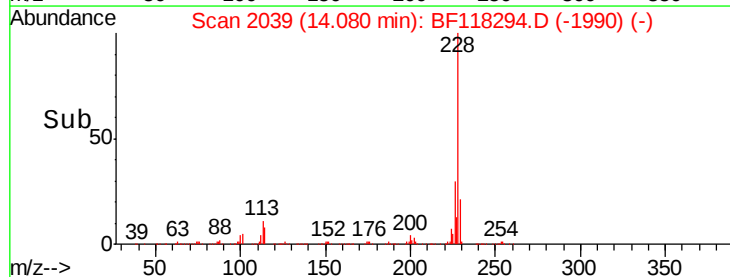
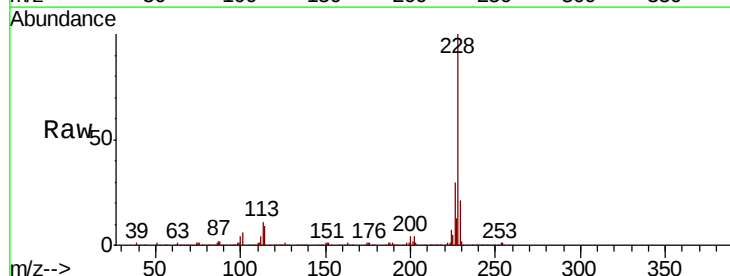
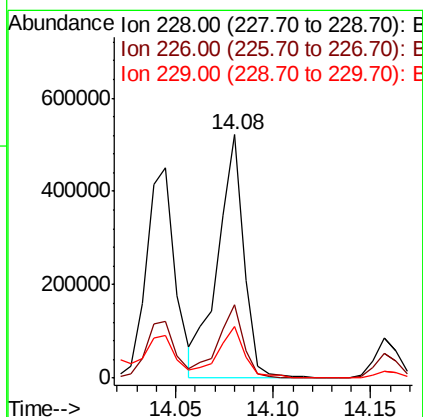
Manual Integrations
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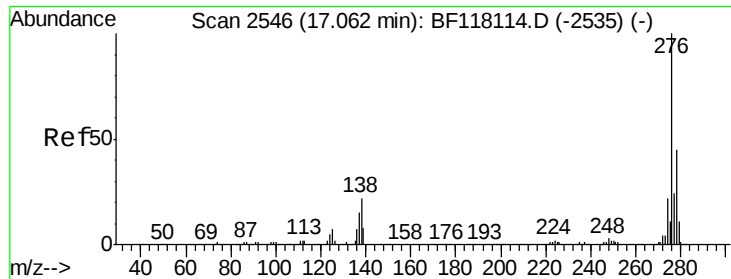
Sohil
12/20/2019 4:26:22 PM



#83
Chrysene
Concen: 26.453 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	21.2	15.7	23.5





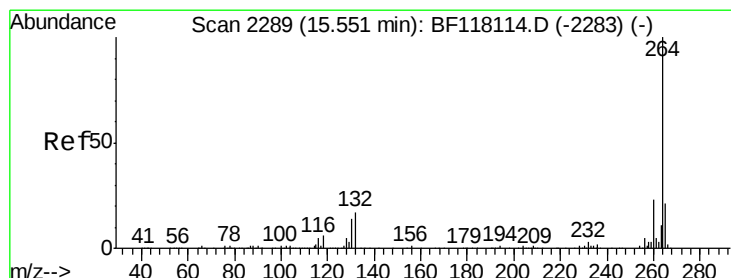
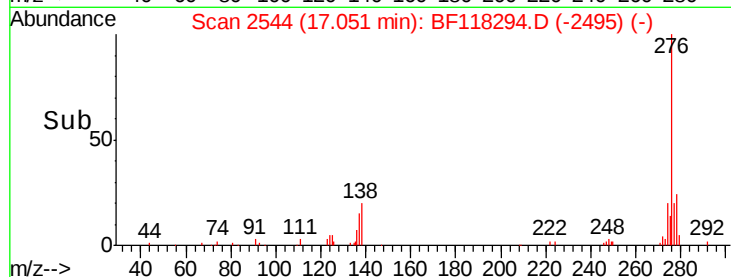
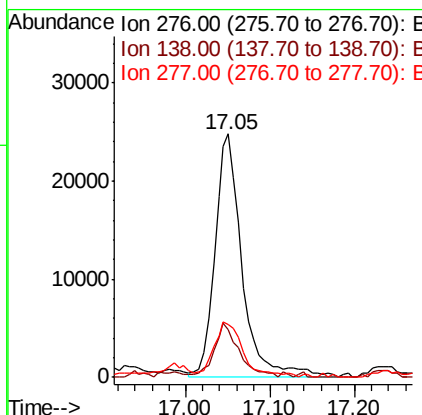
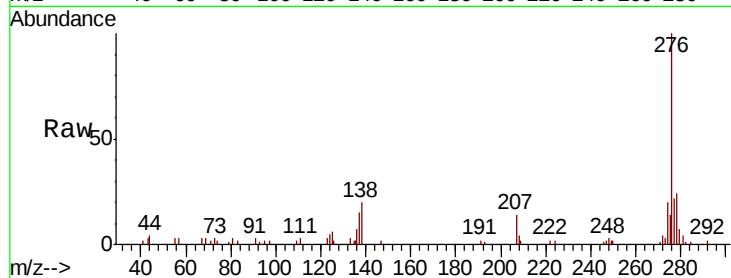
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.602 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.9	28.3
277	24.7	20.4	30.6

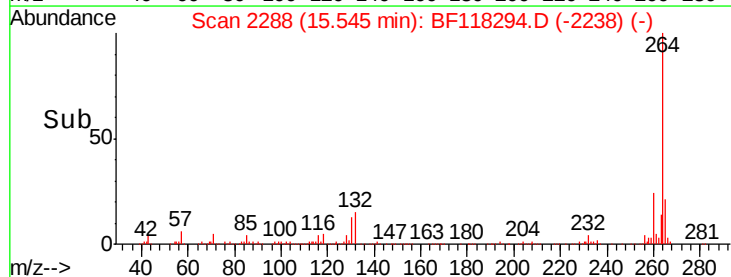
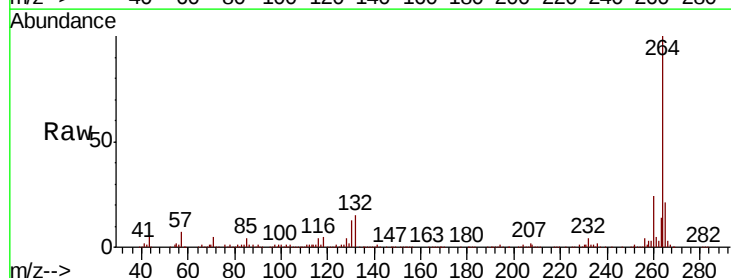
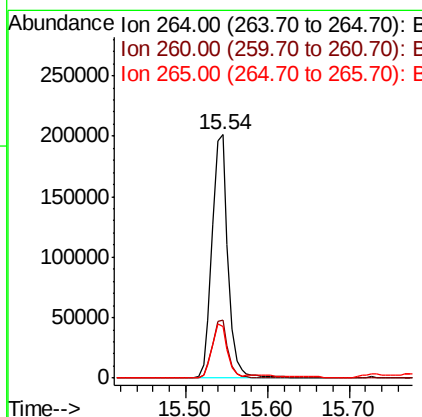
Manual Integrations
APPROVED

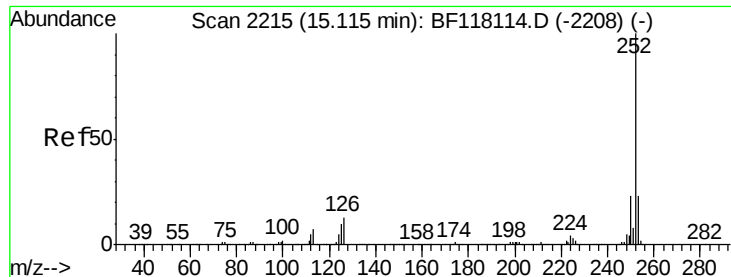
Sohil
12/20/2019 4:26:22 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.1	16.8	25.2





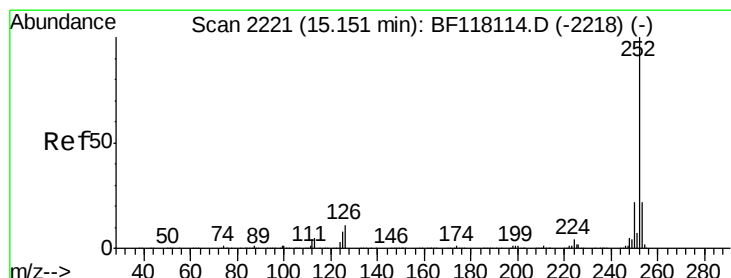
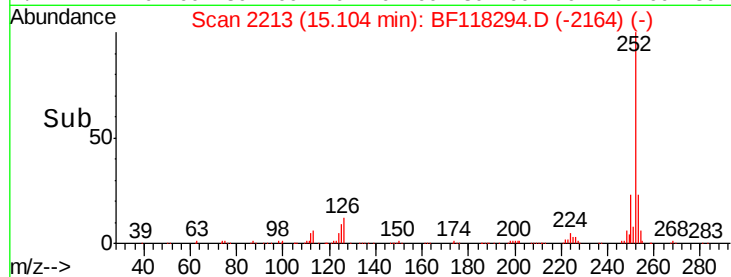
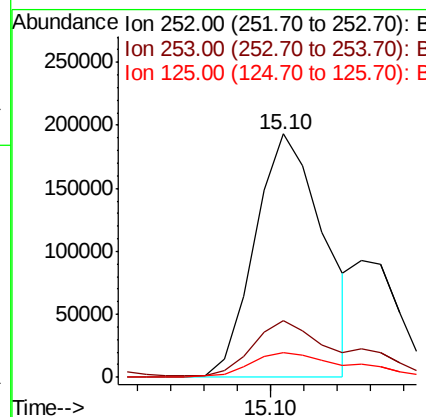
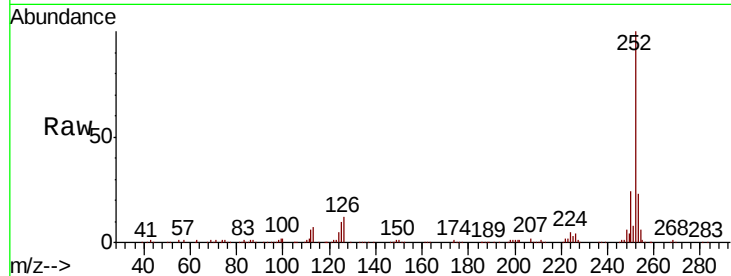
#88
Benzo(b)fluoranthene
Concen: 15.278 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampled :
RT-3425

Tot Ion	Ratio	Resp	Lower	Upper
252	100	278235		
253	23.3		18.2	27.4
125	9.9		8.3	12.5

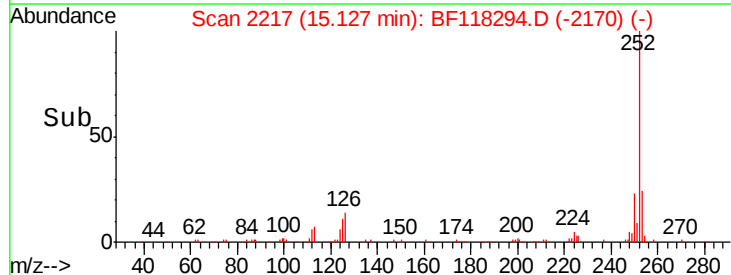
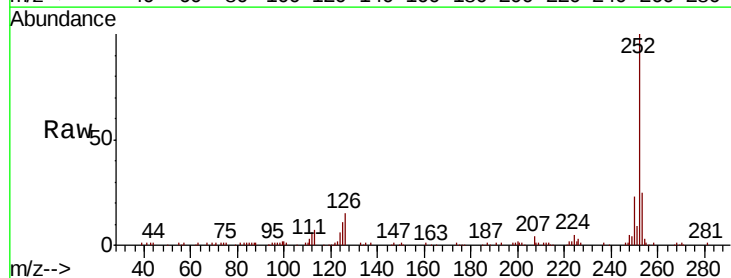
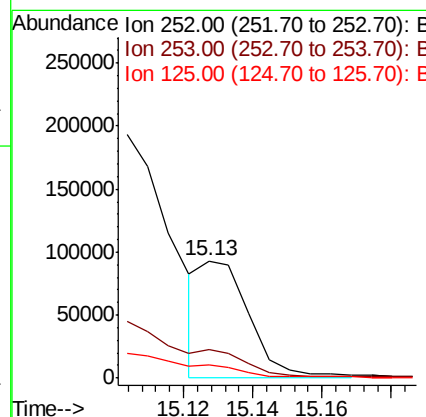
Manual Integrations
APPROVED

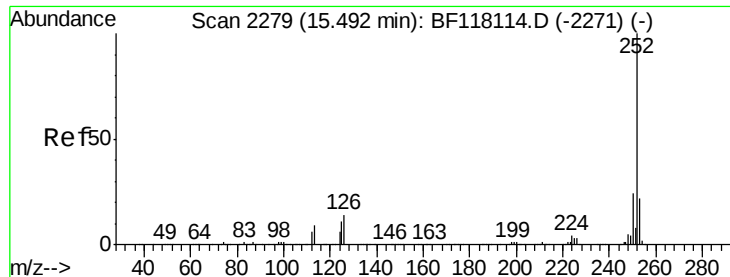
Sohil
12/20/2019 4:26:22 PM



#89
Benzo(k)fluoranthene
Concen: 5.326 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	93187		
253	24.8		17.6	26.4
125	11.3		6.7	10.1#





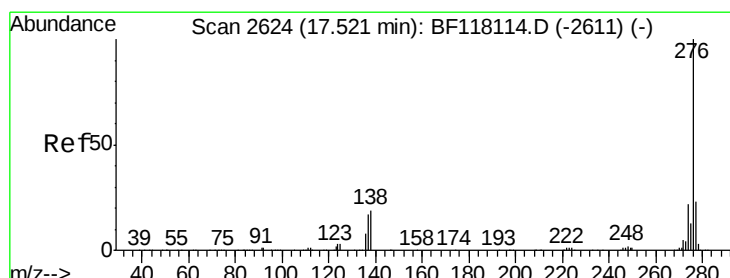
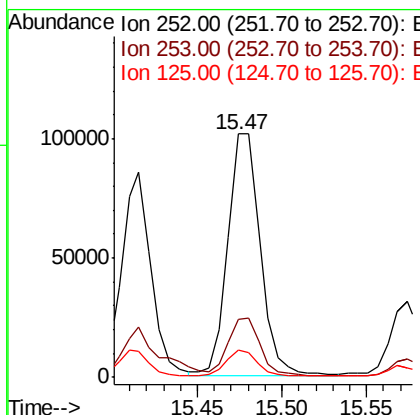
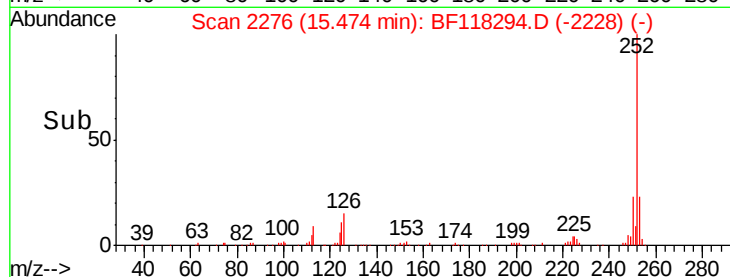
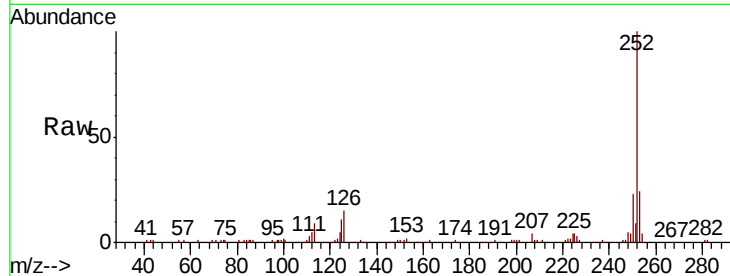
#90
Benzo(a)pyrene
Concen: 8.528 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Instrument :
BNA_F
ClientSampled :
RT-3425

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.5	9.1	13.7

Manual Integrations
APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 3.213 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF118294.D
Acq: 19 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.2	27.4
138	18.3	15.5	23.3

