

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114456.D
 Acq On : 21 May 2019 15:25
 Operator : JU/SJ
 Sample : K2854-02 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)

Manual Integrations
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Sohil
 5/23/2019 8:16:01 AM

Quant Time: May 21 16:07:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	261912	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	934299	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	397172	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	623095	20.00	ng	0.01
76) Chrysene-d12	14.03	240	342629	20.00	ng	0.02
87) Perylene-d12	15.52	264	372904	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	700659	43.05	ng	-0.02
7) Phenol-d6	6.47	99	965481	50.16	ng	-0.02
23) Nitrobenzene-d5	7.39	82	574224	34.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	157626	38.39	ng	0.01
45) 2-Fluorobiphenyl	9.19	172	920173	35.05	ng	0.00
79) Terphenyl-d14	12.95	244	545560	32.82	ng	0.01
Target Compounds						
31) Naphthalene	8.13	128	437615	10.027	ng	Qvalue # 96
37) 2-Methylnaphthalene	8.83	142	1232164	43.759	ng	98
38) 1-Methylnaphthalene	8.93	142	885318m	33.387	ng	
50) Dimethylphthalate	9.59	163	128877	4.420	ng	# 59
52) Acenaphthene	9.91	154	639746	26.545	ng	97
58) Fluorene	10.43	166	716790	26.259	ng	# 99
71) Phenanthrene	11.40	178	3416202	112.693	ng	98
72) Anthracene	11.45	178	1441706	47.350	ng	98
75) Fluoranthene	12.60	202	3614505	110.723	ng	97
78) Pyrene	12.83	202	3097901	112.394	ng	97
81) Benzo(a)anthracene	14.02	228	1359689	61.355	ng	96
83) Chrysene	14.06	228	1121251	51.613	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	277027	14.429	ng	95
88) Benzo(b)fluoranthene	15.09	252	1217245m	50.951	ng	
89) Benzo(k)fluoranthene	15.10	252	289430m	13.188	ng	
90) Benzo(a)pyrene	15.46	252	736131	35.011	ng	# 88
91) Dibenzo(a,h)anthracene	17.00	278	82840	4.742	ng	# 58
92) Benzo(g,h,i)perylene	17.45	276	242719	13.863	ng	# 92

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

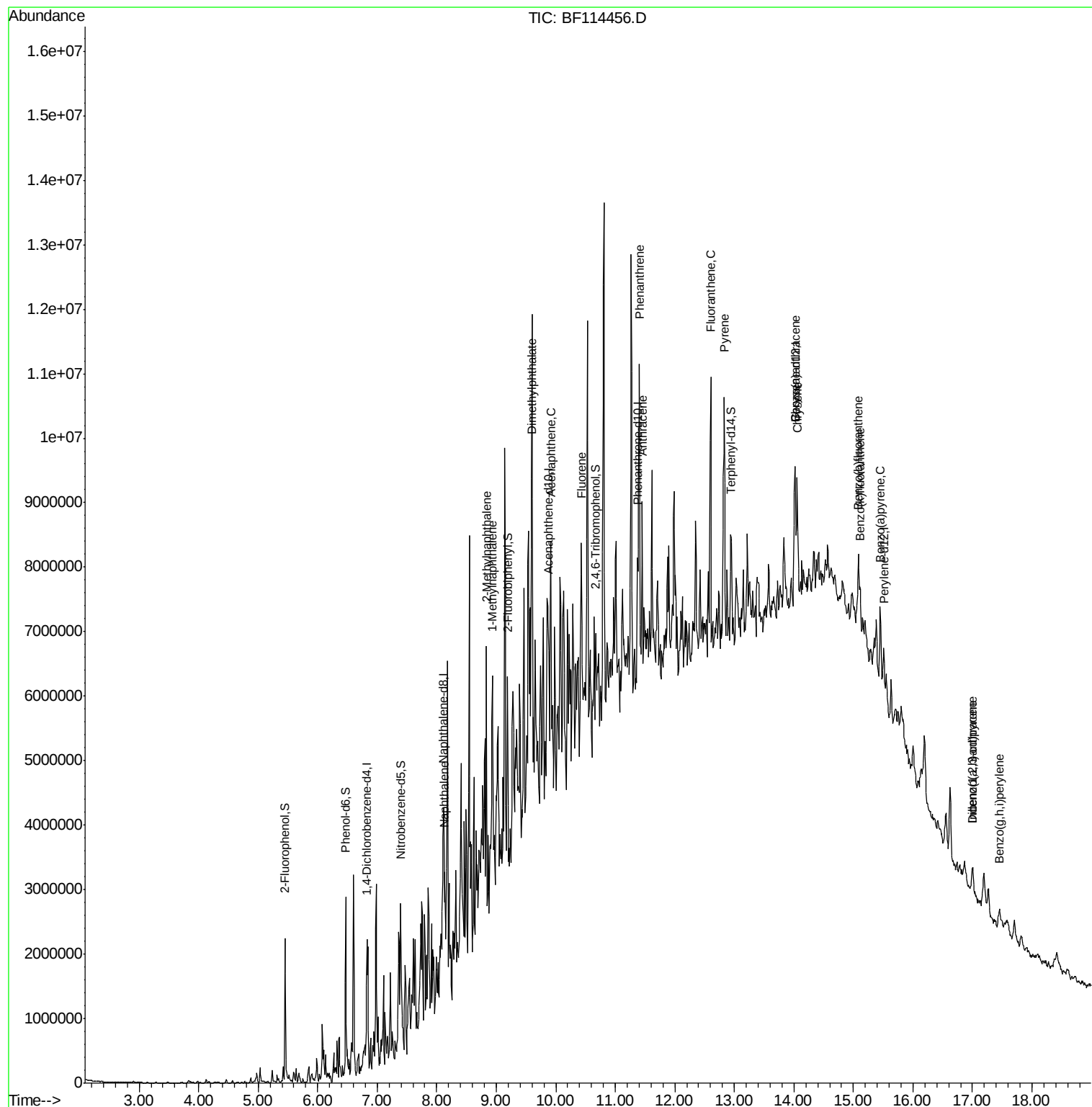
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
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ALS Vial : 9 Sample Multiplier: 1

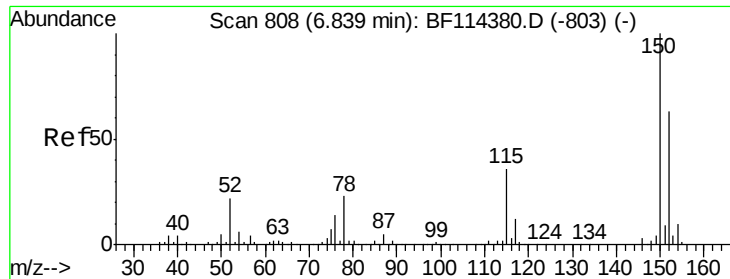
Instrument :
BNA_F
ClientSampled :
SB-03(25.5-26)

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Quant Time: May 21 16:07:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 04:47:40 2019
Response via : Initial Calibration





#1

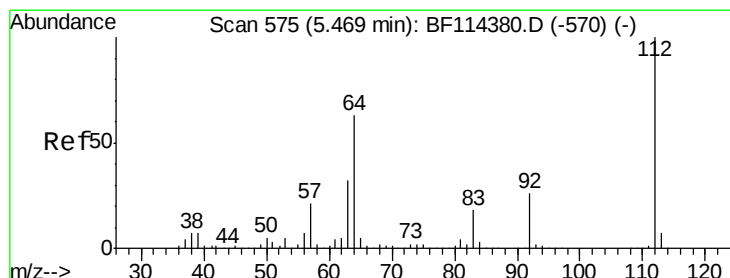
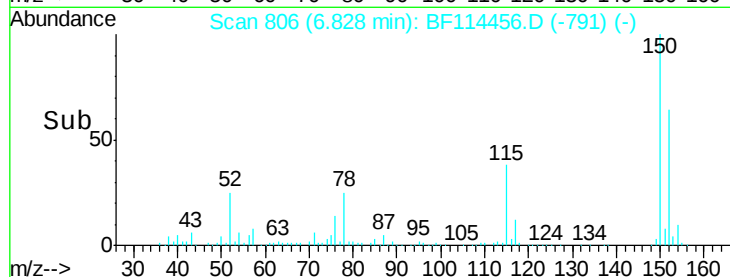
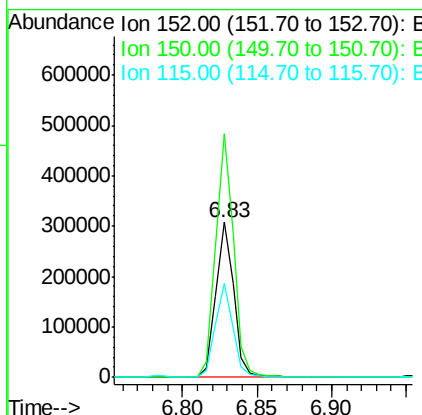
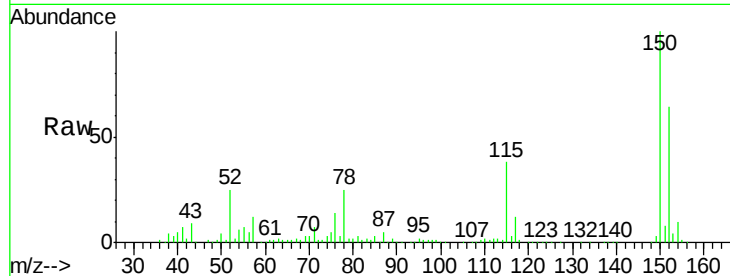
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	261912		
150	157.3	124.3	186.5	
115	60.3	49.1	73.7	

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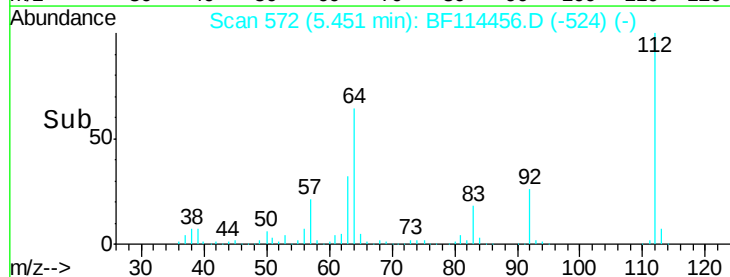
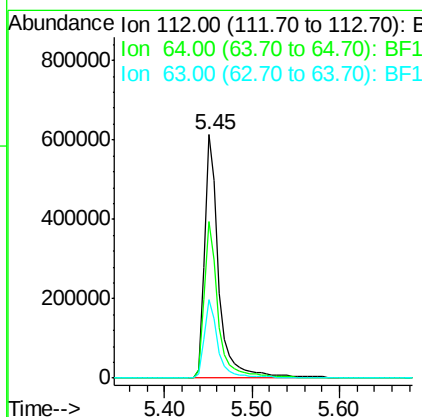
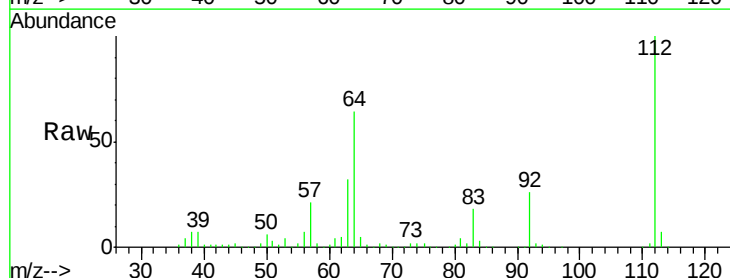
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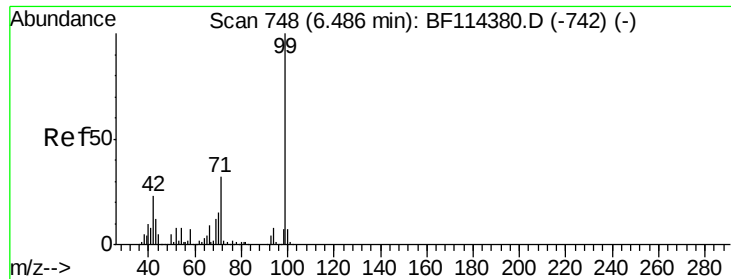


#5

2-Fluorophenol
Concen: 43.050 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	700659		
64	64.4	49.0	73.6	
63	32.2	24.6	37.0	





#7

Phenol-d6

Concen: 50.157 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_F

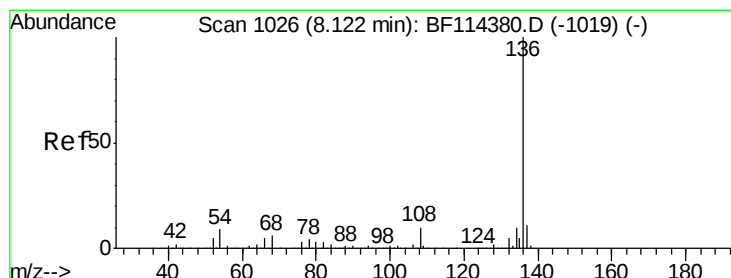
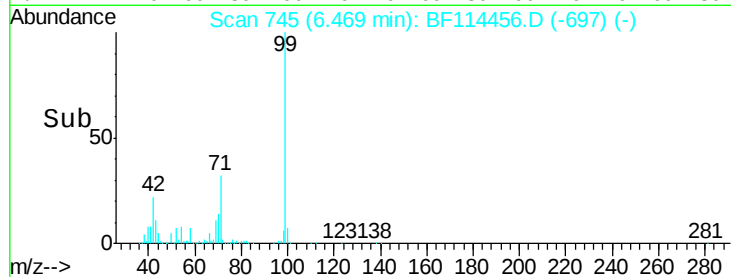
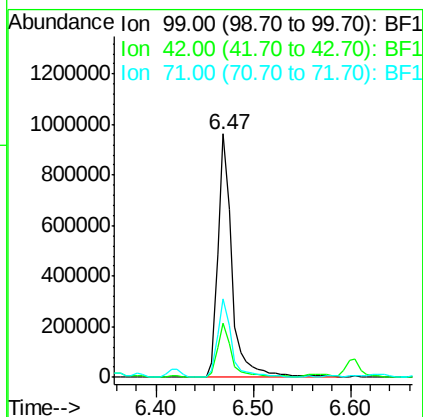
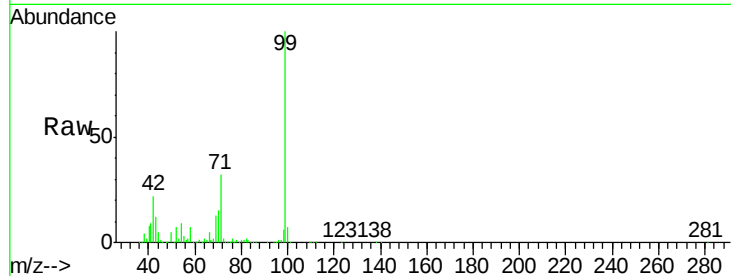
ClientSampleId :

SB-03(25.5-26)

Tgt Ion:	99	Resp:	965481
Ion Ratio	Lower	Upper	
99	100		
42	22.0	17.9	26.9
71	32.1	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

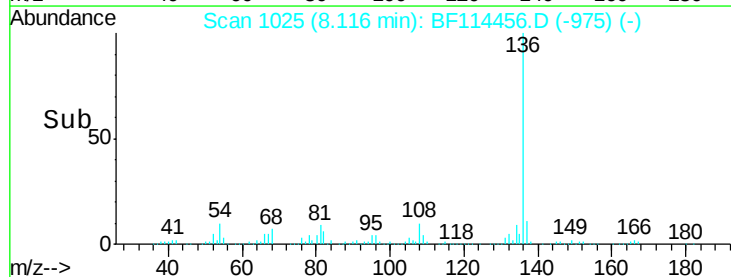
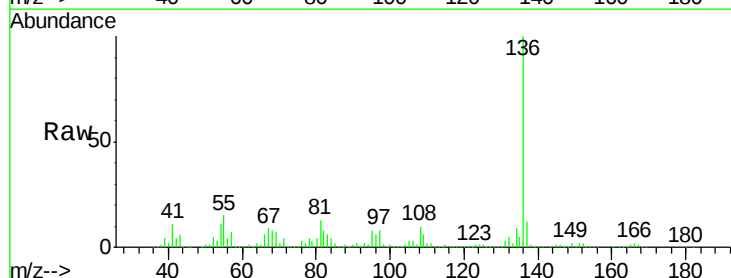
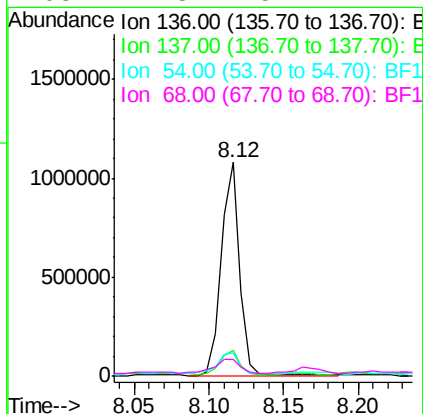
RT: 8.12 min Scan# 1025

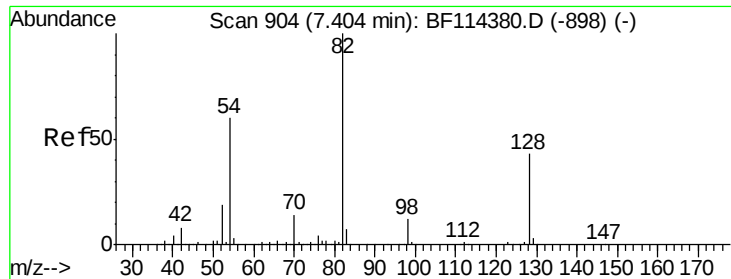
Delta R.T. -0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Tgt Ion:	136	Resp:	934299
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.8	13.2
54	10.7	7.8	11.8
68	7.8	5.1	7.7#





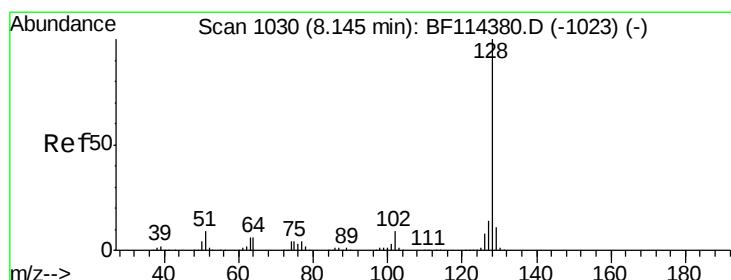
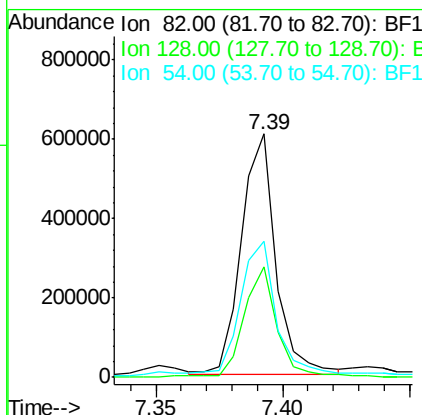
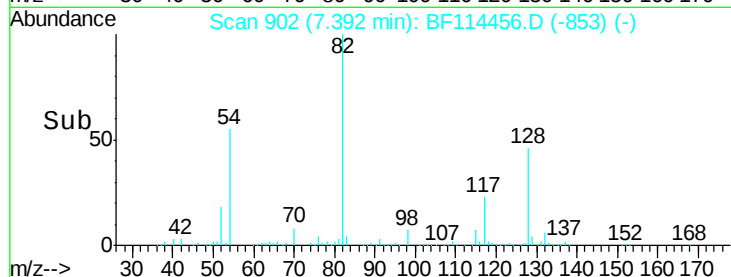
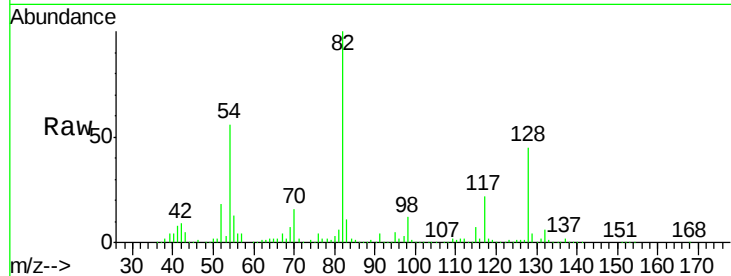
#23
Nitrobenzene-d5
Concen: 34.492 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.5	53.3
54	55.7	48.5	72.7

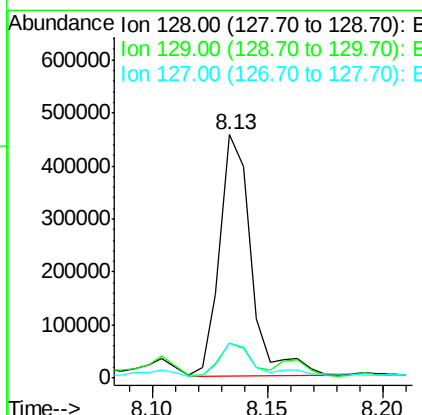
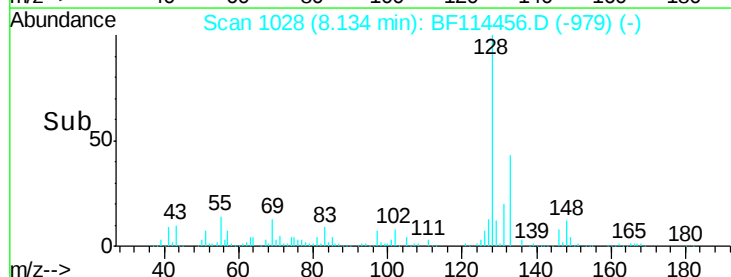
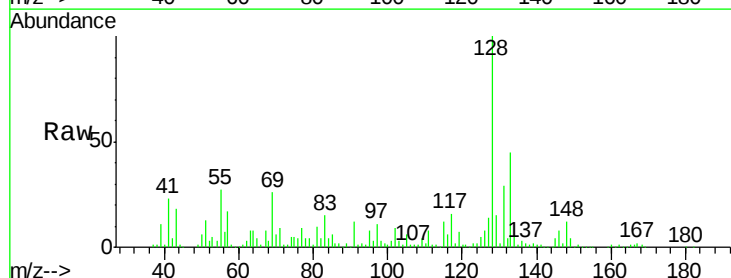
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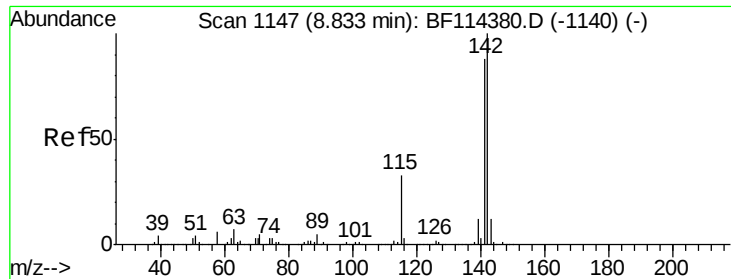
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#31
Naphthalene
Concen: 10.027 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.6	9.6	14.4#
127	14.5	11.3	16.9





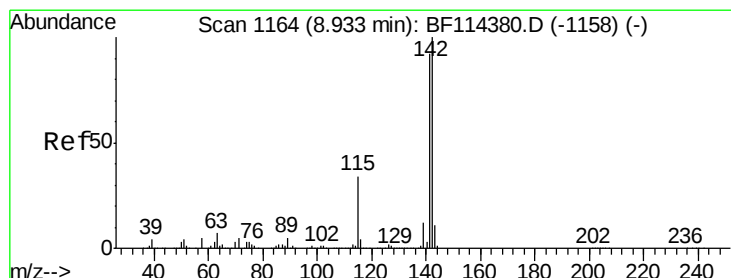
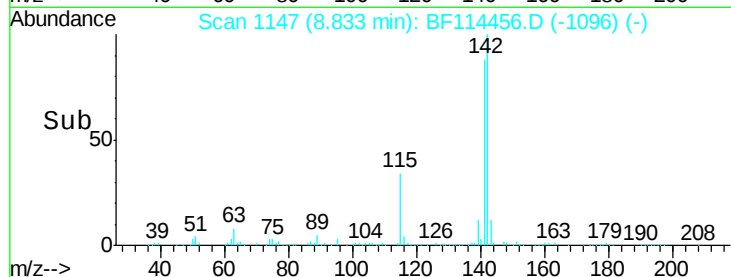
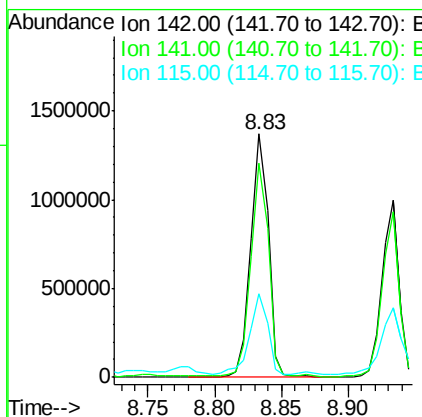
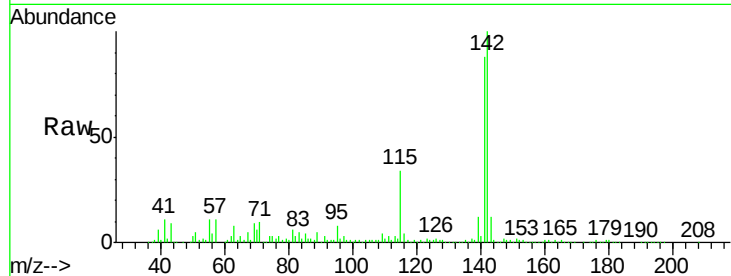
#37
 2-Methylnaphthalene
 Concen: 43.759 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.1	108.1
115	34.4	28.0	42.0

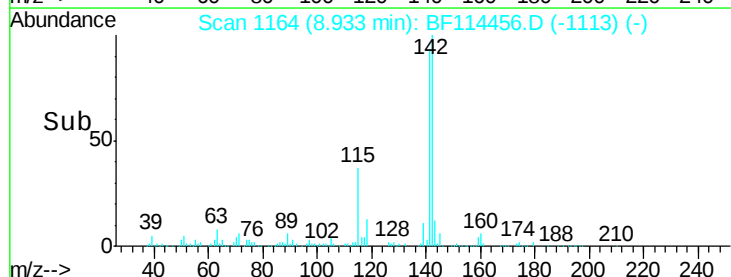
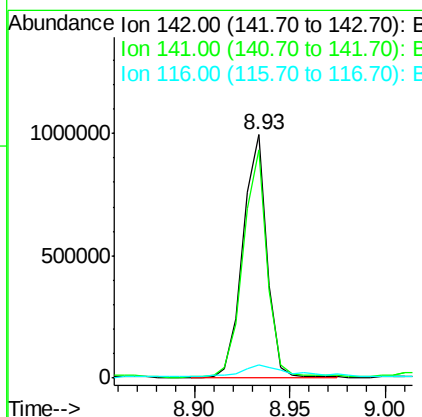
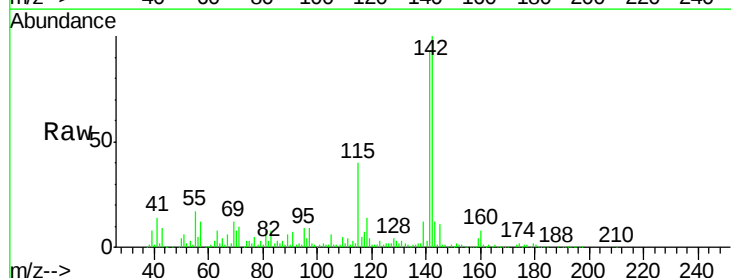
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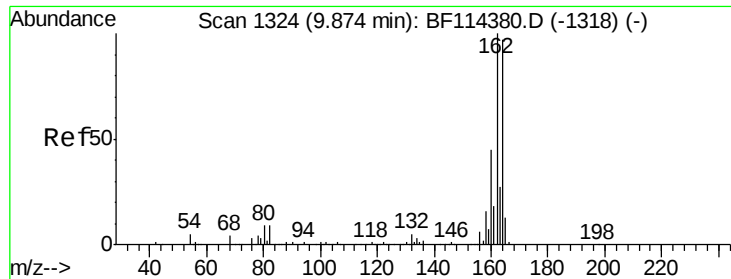
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#38
 1-Methylnaphthalene
 Concen: 33.387 ng m
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.4	110.0
116	5.2	3.1	4.7#





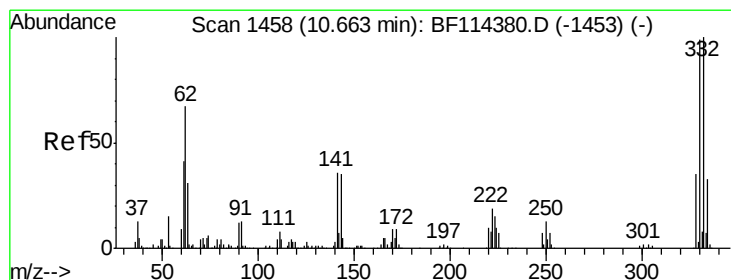
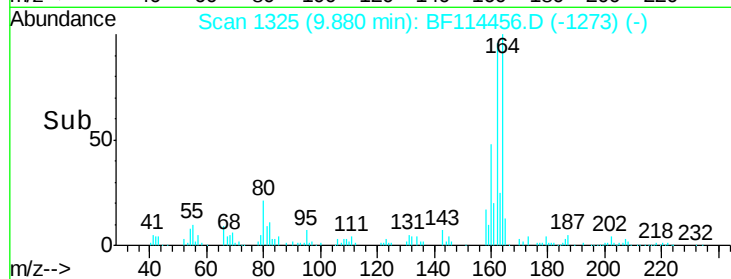
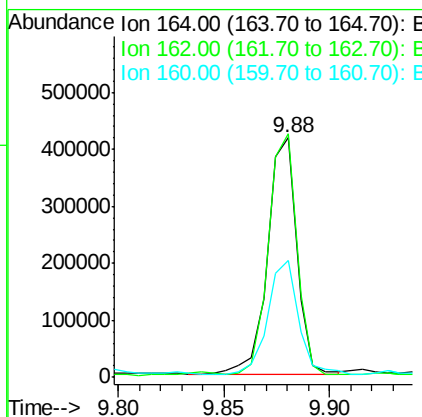
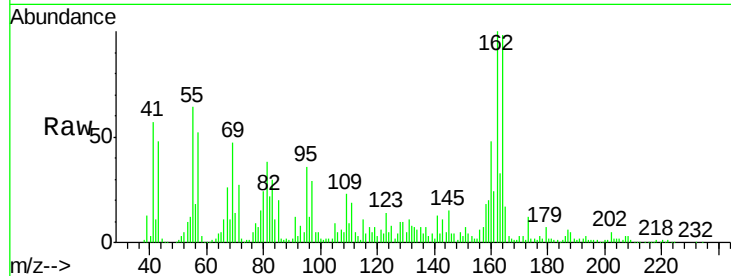
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	397172		
162	101.8	80.6	120.8	
160	49.0	36.5	54.7	

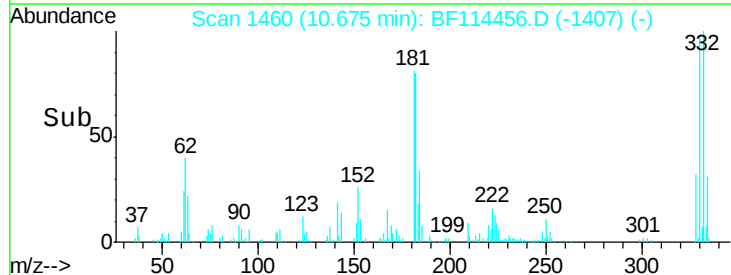
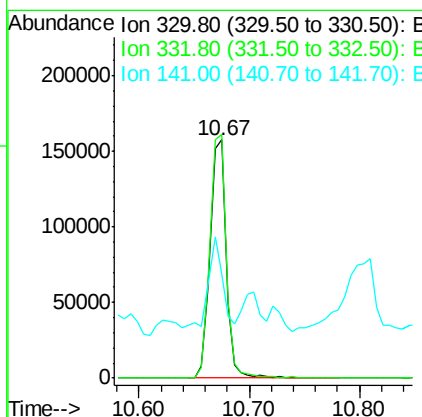
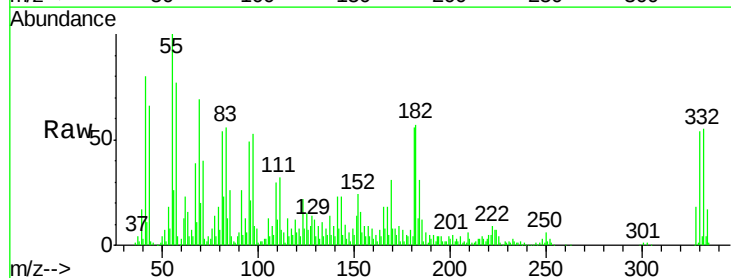
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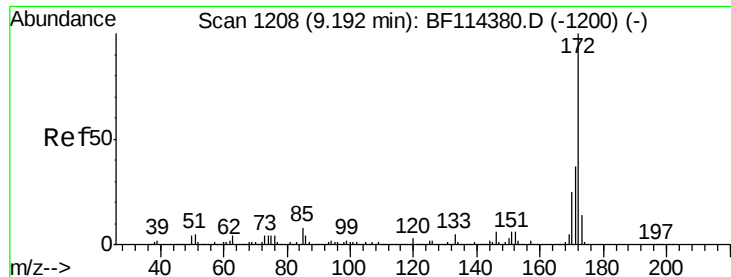
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#42
2,4,6-Tribromophenol
Concen: 38.388 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	157626		
332	102.7	81.4	122.2	
141	27.7	26.6	40.0	





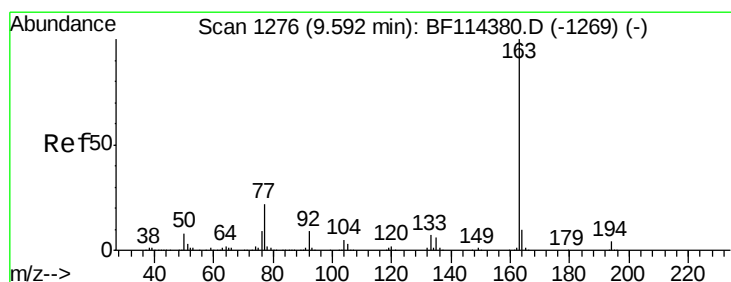
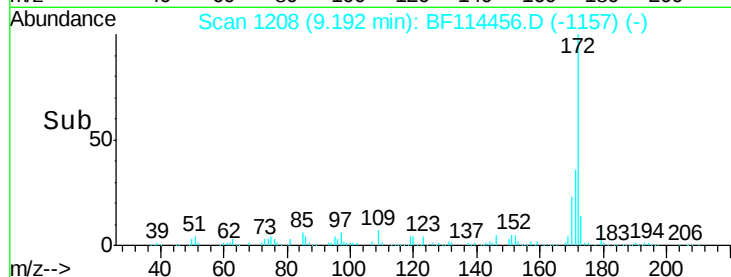
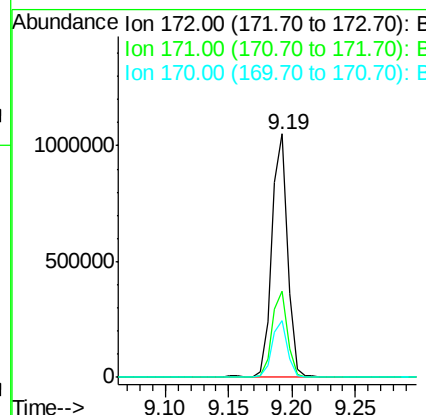
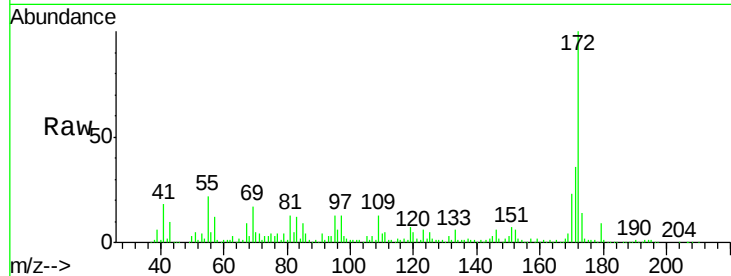
#45
 2-Fluorobiphenyl
 Concen: 35.046 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_F
 ClientSampled :
 SB-03(25.5-26)

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.6	30.7	46.1
170	23.5	20.5	30.7

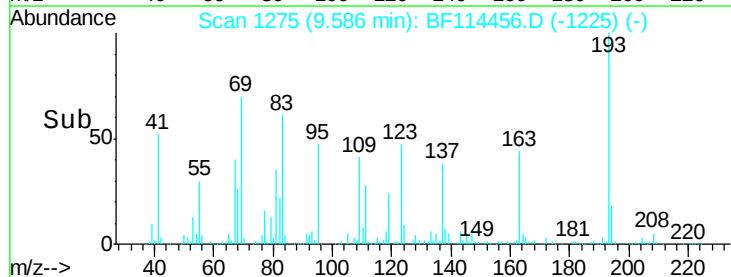
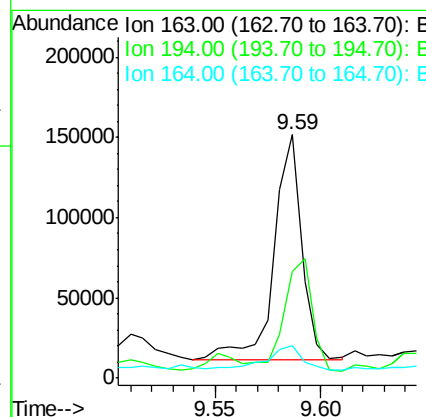
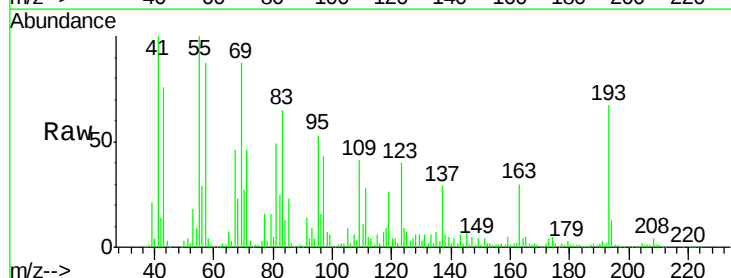
Manual Integrations
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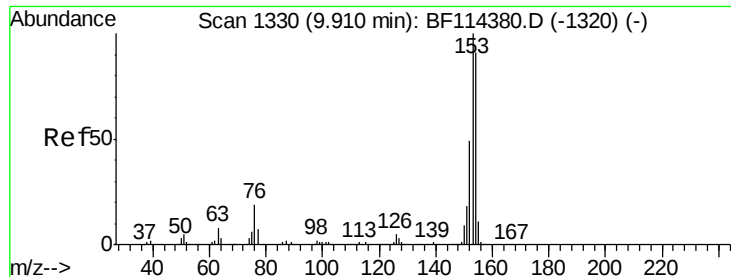
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#50
 Dimethylphthalate
 Concen: 4.420 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	43.7	3.4	5.0#
164	13.5	8.2	12.2#





#52

Acenaphthene

Concen: 26.545 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_F

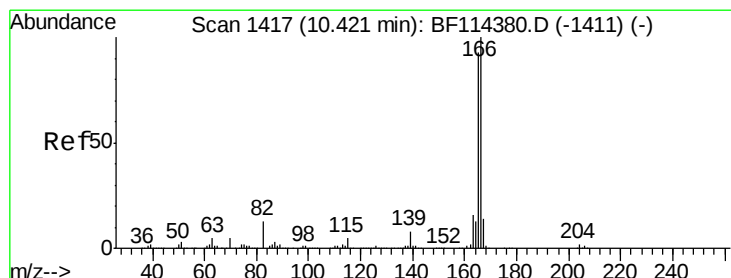
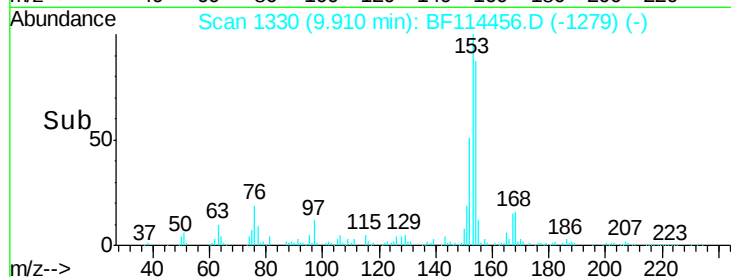
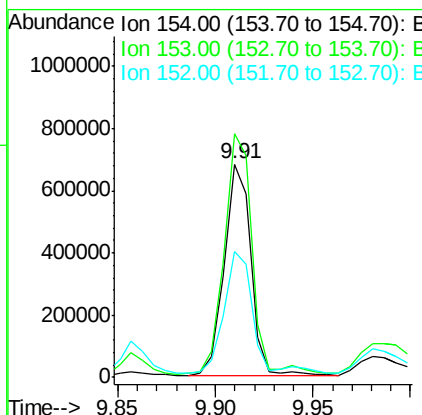
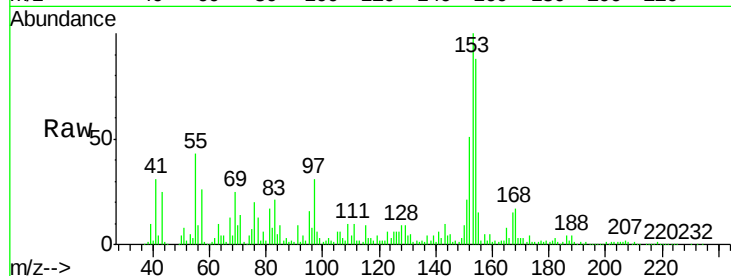
ClientSampleId :

SB-03(25.5-26)

Tgt Ion:	154	Resp:	639746
Ion Ratio	Lower	Upper	
154	100		
153	114.1	90.5	135.7
152	58.7	43.4	65.2

Manual Integrations
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#58

Fluorene

Concen: 26.259 ng

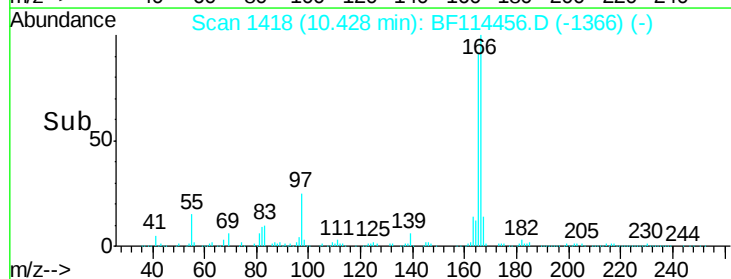
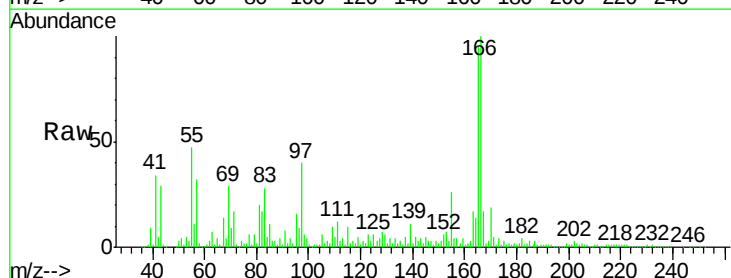
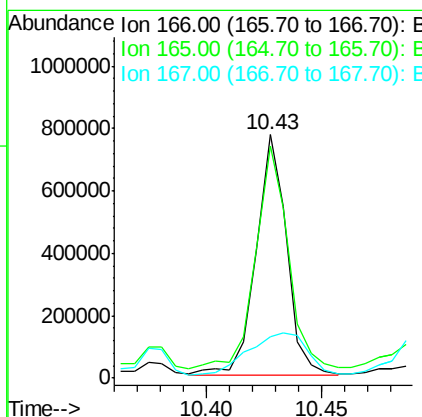
RT: 10.43 min Scan# 1418

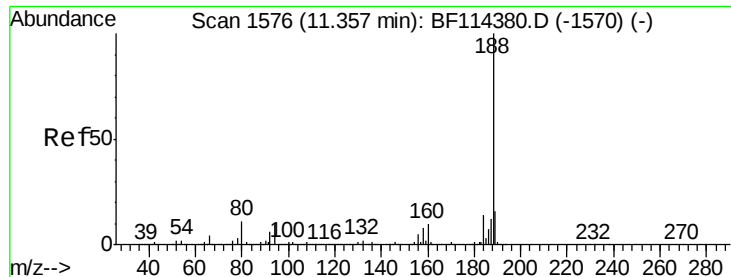
Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Tgt Ion:	166	Resp:	716790
Ion Ratio	Lower	Upper	
166	100		
165	95.2	76.1	114.1
167	16.9	11.1	16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_F

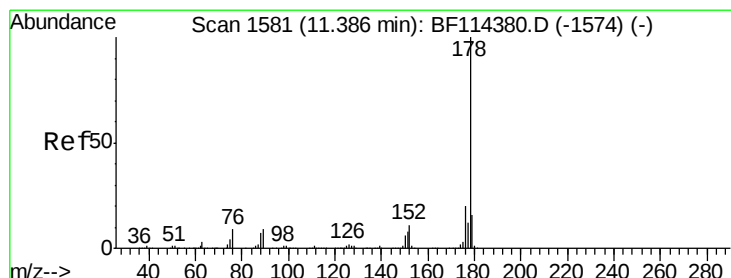
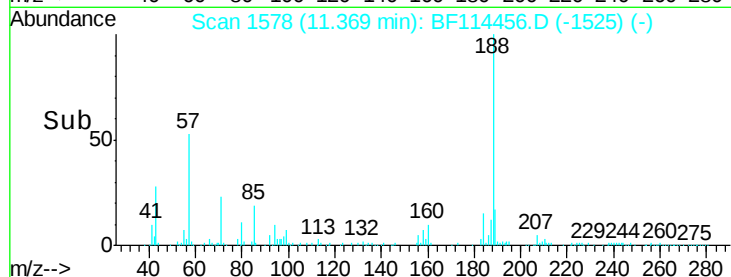
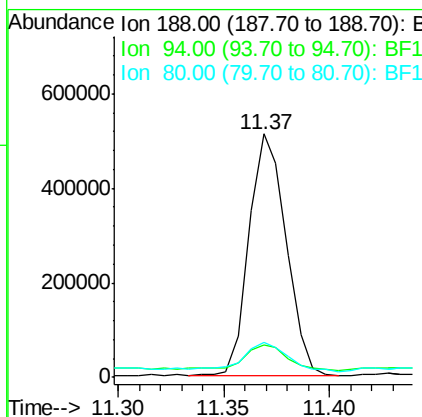
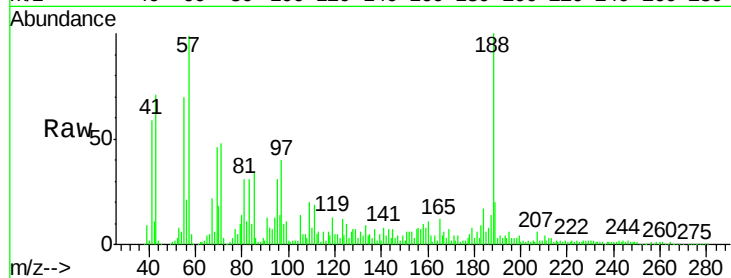
ClientSampleId :

SB-03(25.5-26)

Tgt Ion:	188	Resp:	623095
Ion Ratio	Lower	Upper	
188	100		
94	13.2	8.4	12.6#
80	14.4	9.2	13.8#

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#71

Phenanthrene

Concen: 112.693 ng

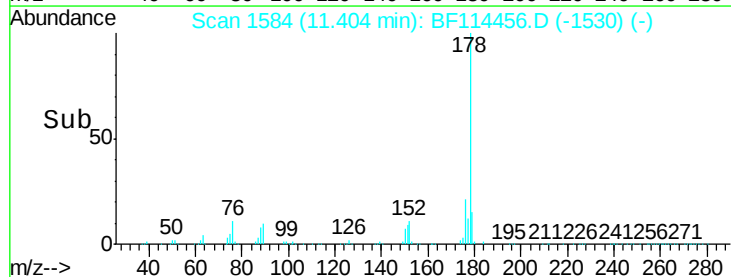
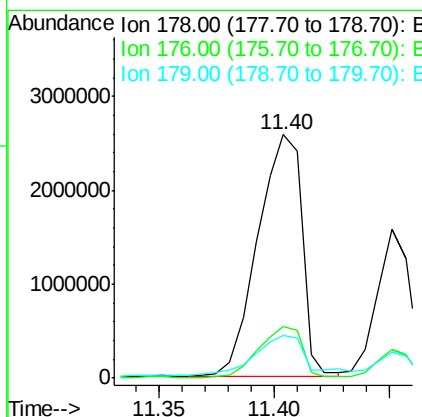
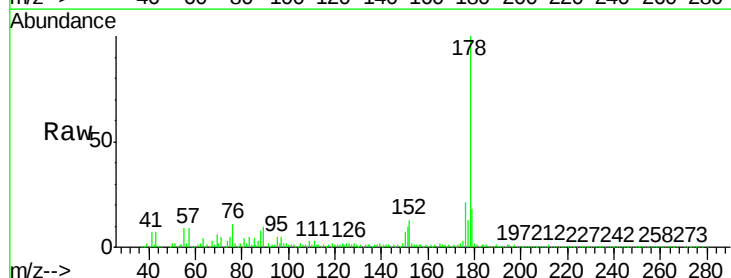
RT: 11.40 min Scan# 1584

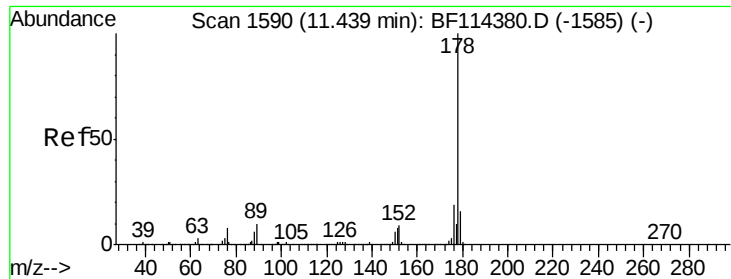
Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Tgt Ion:	178	Resp:	3416202
Ion Ratio	Lower	Upper	
178	100		
176	21.0	16.4	24.6
179	17.7	13.2	19.8





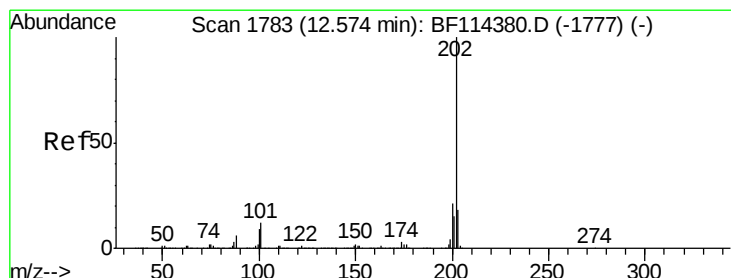
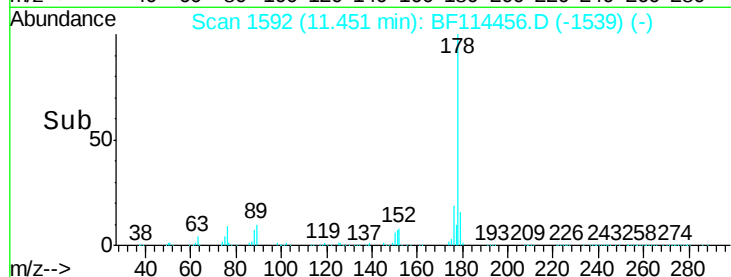
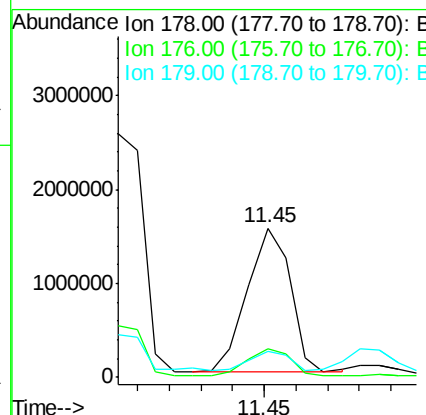
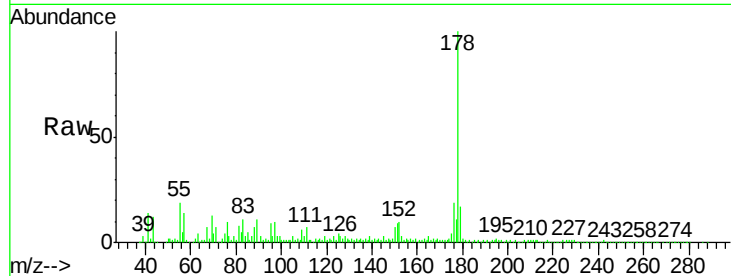
#72
 Anthracene
 Concen: 47.350 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)

Tgt Ion:178 Resp: 1441706
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 17.4 13.0 19.4

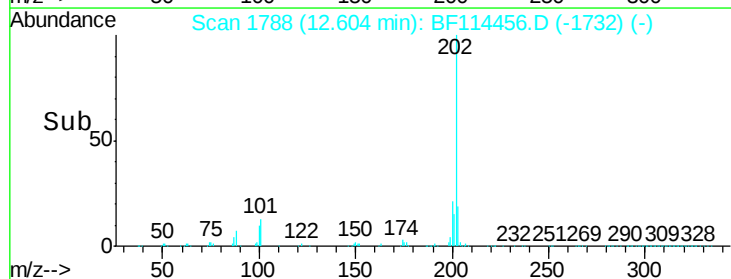
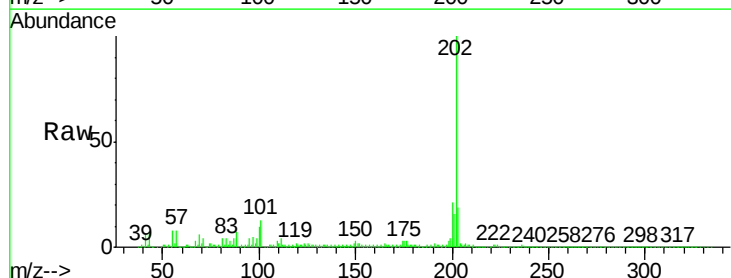
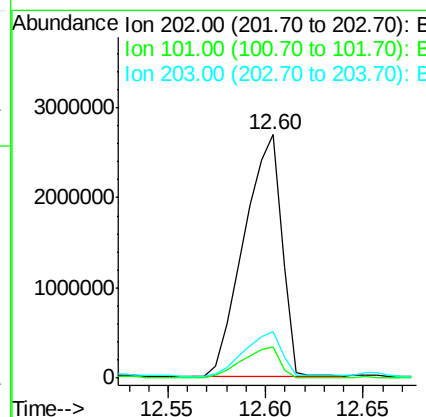
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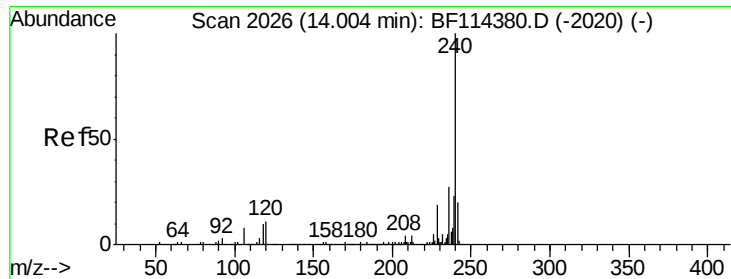
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#75
 Fluoranthene
 Concen: 110.723 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.03 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion:202 Resp: 3614505
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 31.0
 203 19.2 0.0 38.4





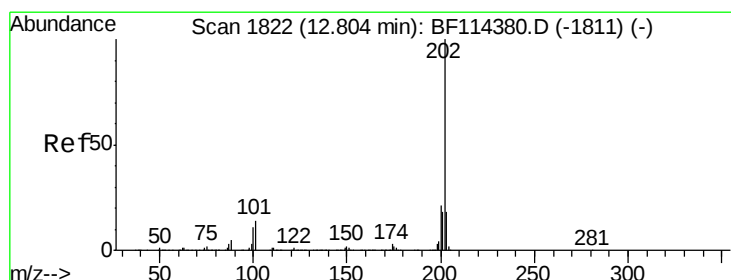
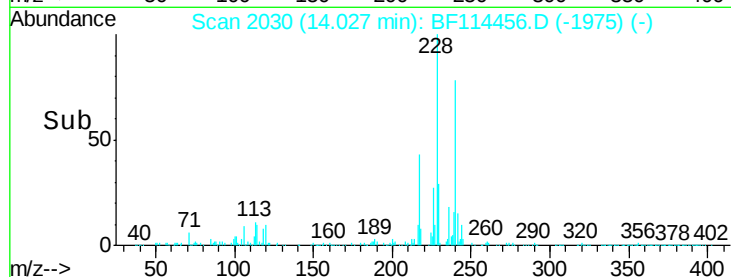
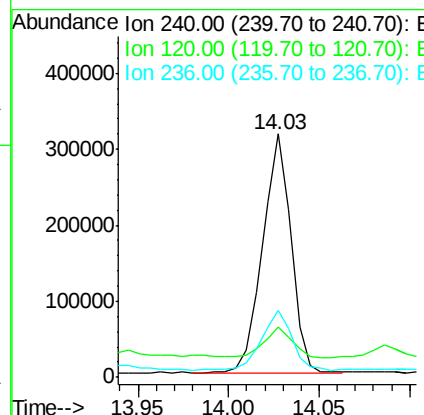
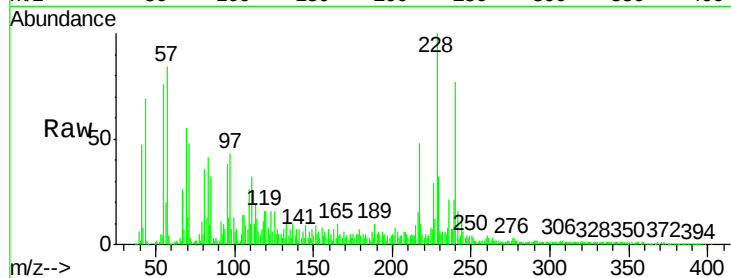
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	342629		
120	20.7	8.3	12.5#	
236	27.3	20.8	31.2	

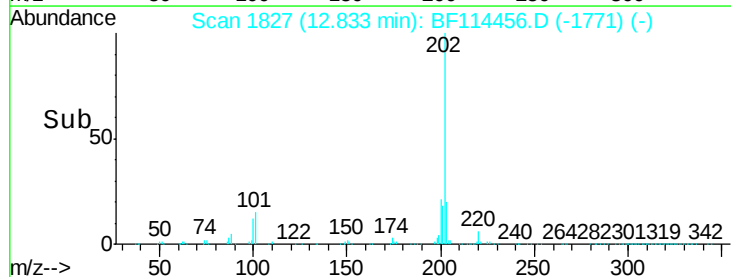
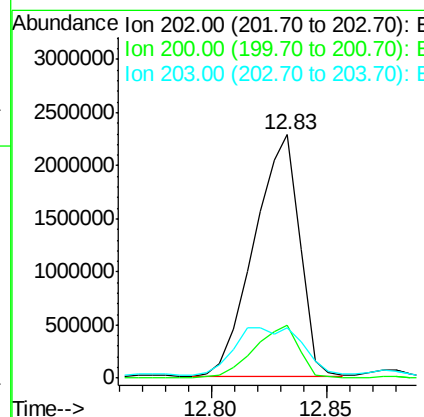
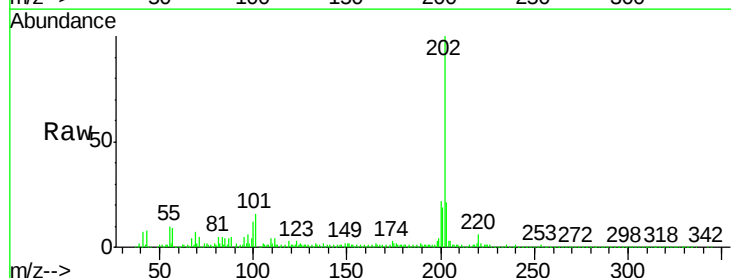
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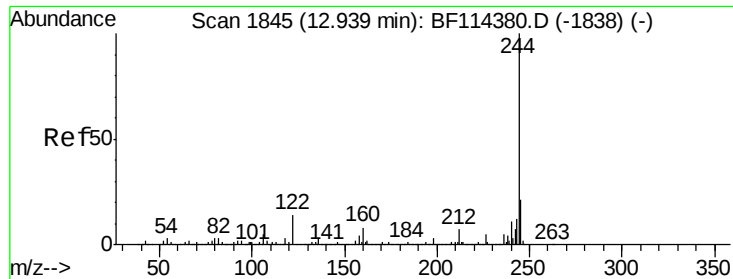
Sohil
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#78
Pyrene
Concen: 112.394 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.03 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3097901		
200	21.6	16.9	25.3	
203	20.6	14.5	21.7	





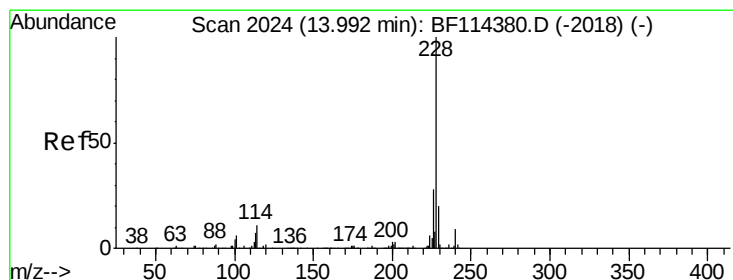
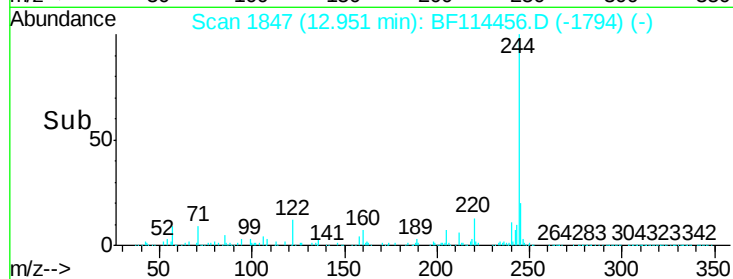
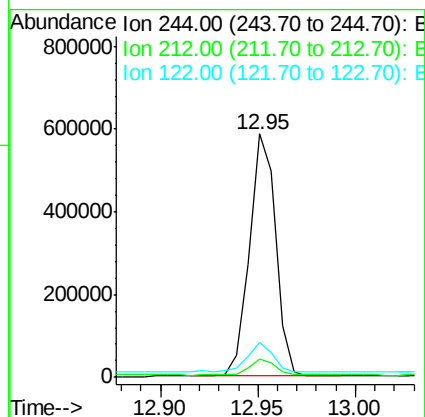
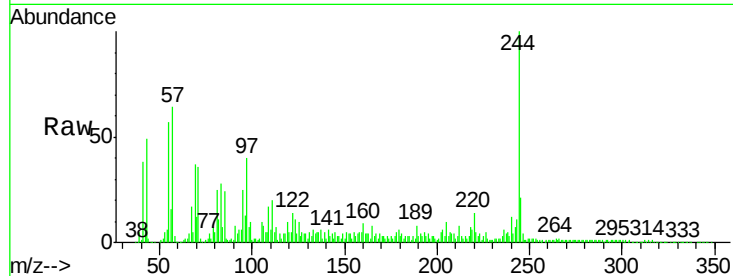
#79
 Terphenyl-d14
 Concen: 32.824 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.7	5.8	8.6
122	14.4	9.4	14.2

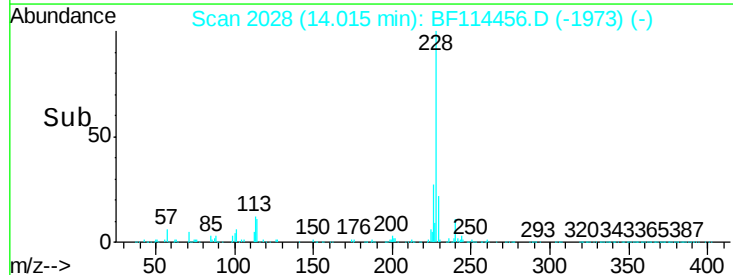
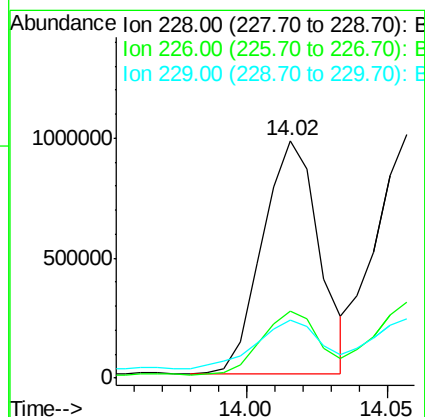
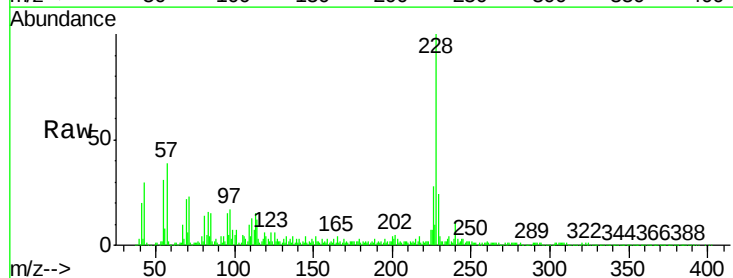
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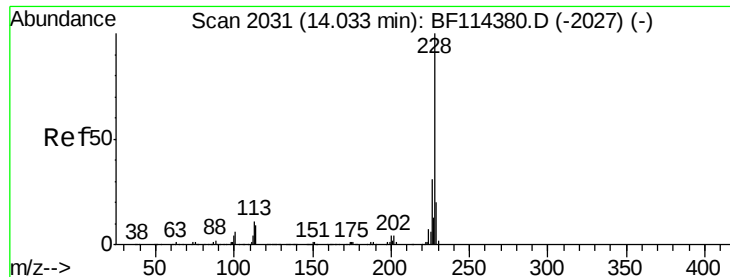
Sohil
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#81
 Benzo(a)anthracene
 Concen: 61.355 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.02 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.1	22.2	33.2
229	24.3	16.4	24.6





#83

Chrysene

Concen: 51.613 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_F

ClientSampled :

SB-03(25.5-26)

Tgt Ion:228 Resp: 1121251

Ion Ratio Lower Upper

228 100

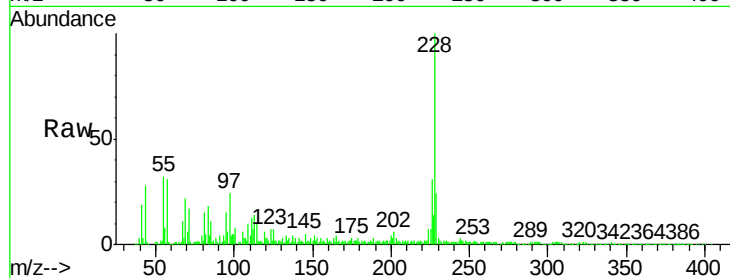
226 31.2 25.0 37.6

229 24.5 17.0 25.6

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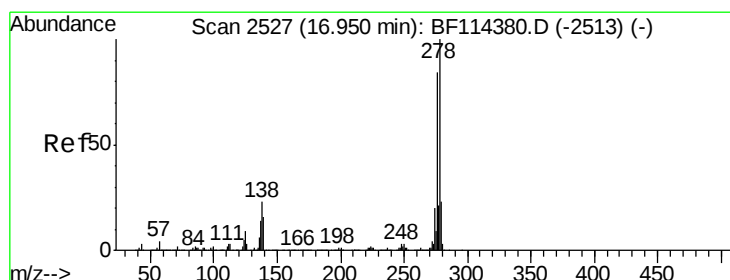
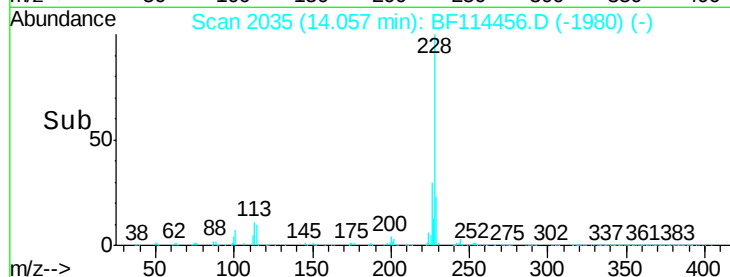
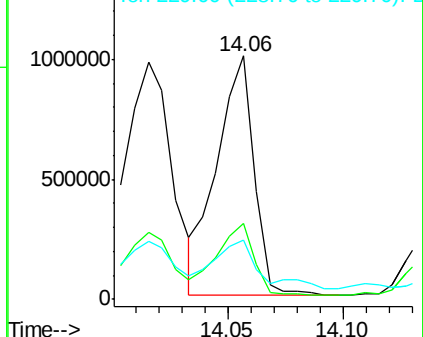
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 14.429 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

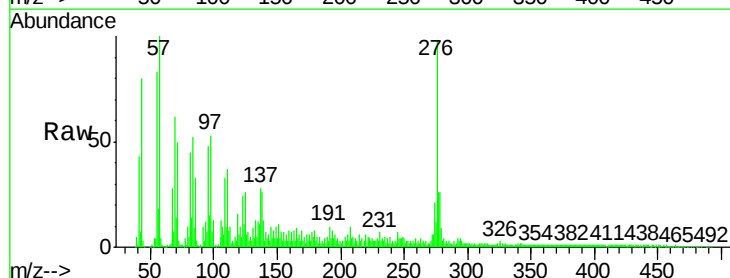
Tgt Ion:276 Resp: 277027

Ion Ratio Lower Upper

276 100

138 21.6 20.2 30.2

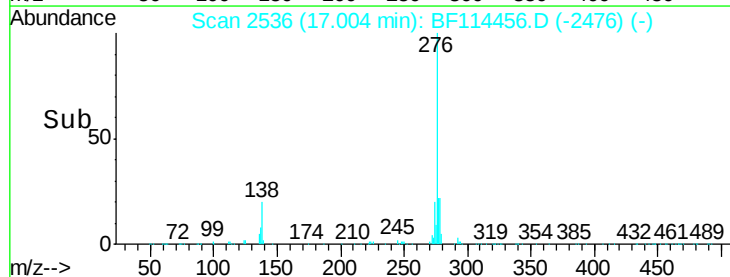
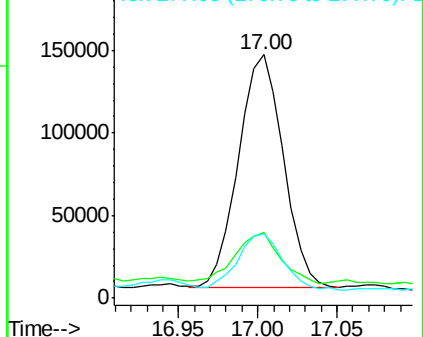
277 23.9 20.0 30.0

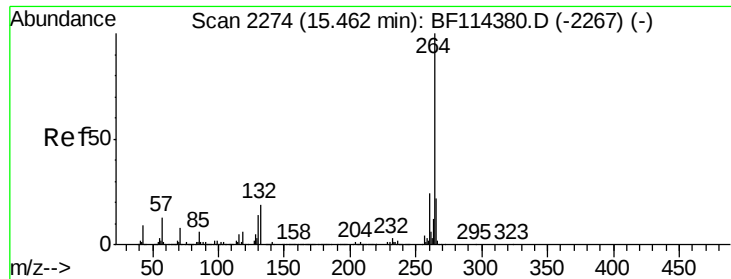


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_F

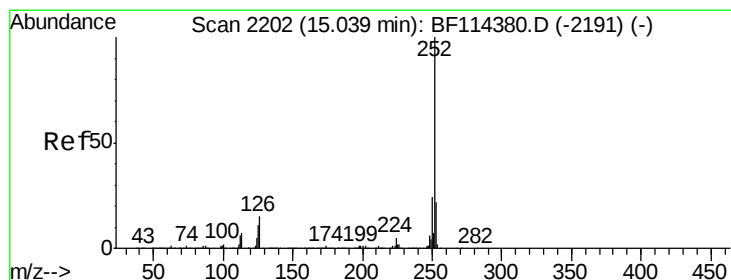
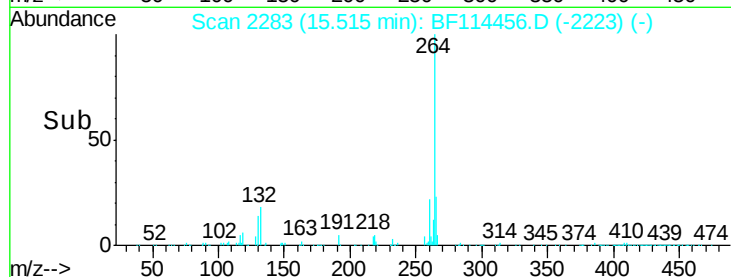
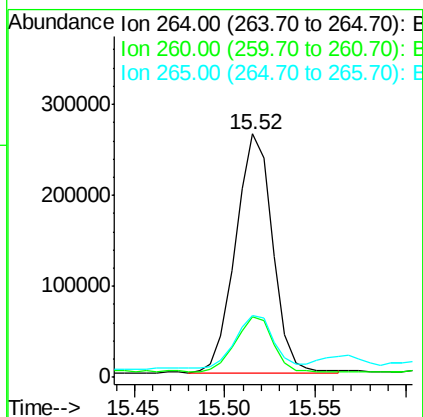
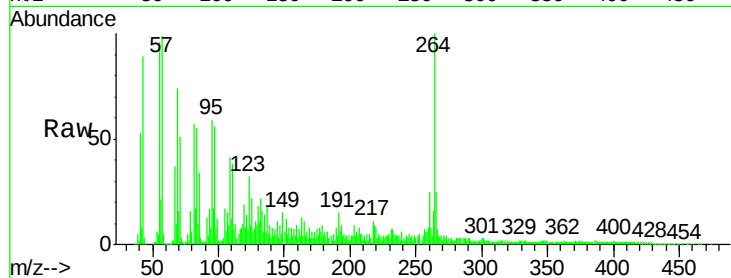
ClientSampleId :

SB-03(25.5-26)

Tgt Ion:	264	Resp:	372904
Ion Ratio		Lower	Upper
264	100		
260	25.0	19.4	29.0
265	25.4	16.9	25.3#

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#88

Benzo(b)fluoranthene

Concen: 50.951 ng m

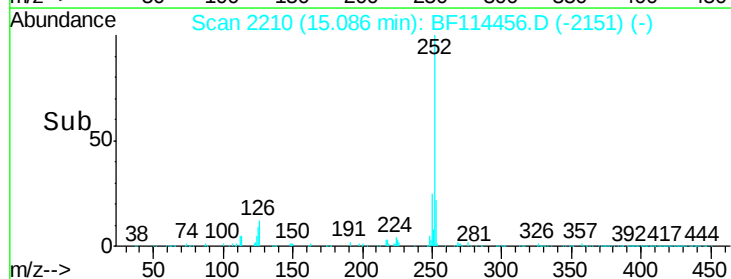
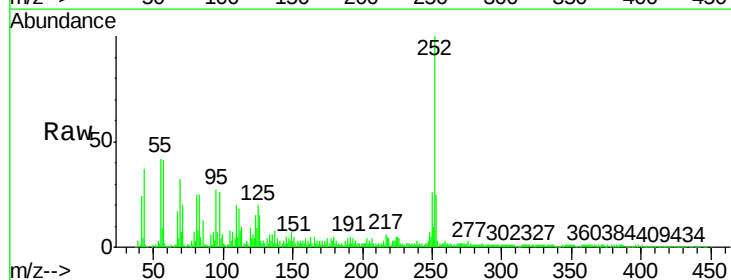
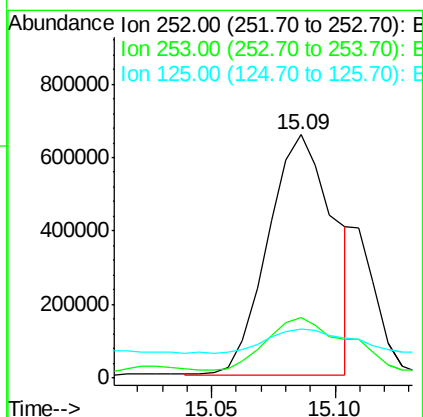
RT: 15.09 min Scan# 2210

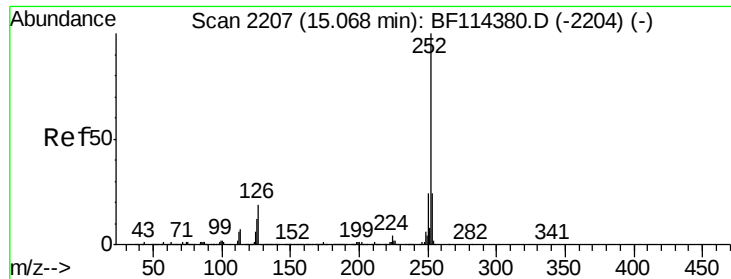
Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Tgt Ion:	252	Resp:	1217245
Ion Ratio		Lower	Upper
252	100		
253	24.9	17.8	26.8
125	20.4	8.3	12.5#





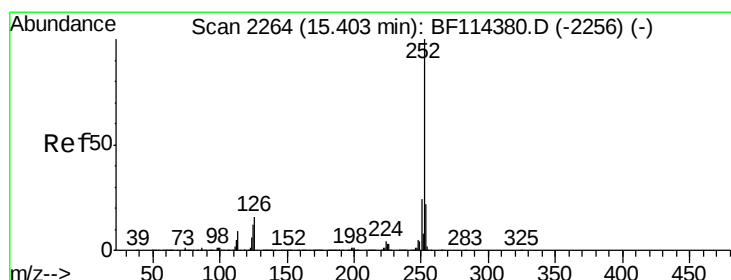
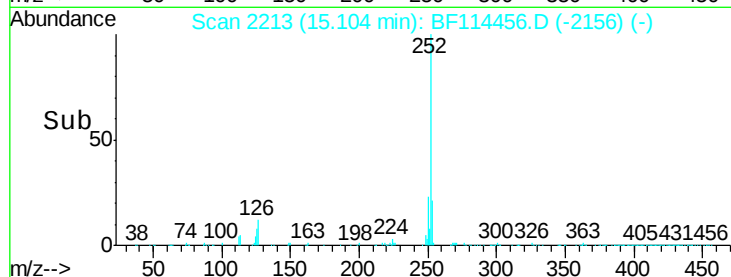
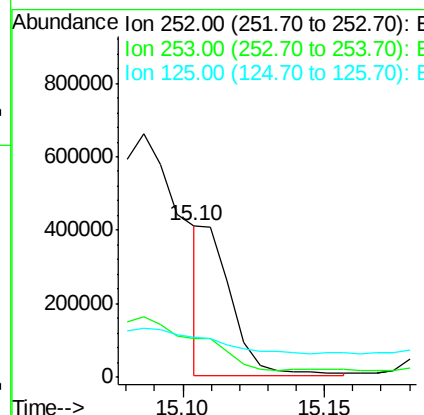
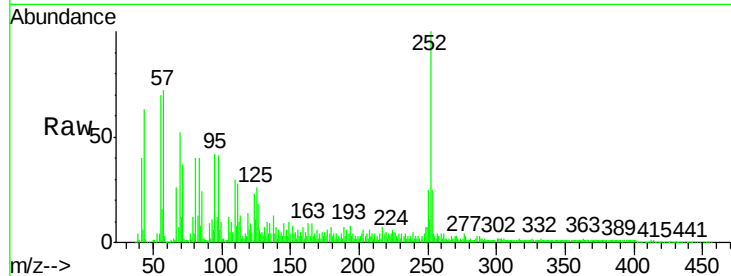
#89
Benzo(k)fluoranthene
Concen: 13.188 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.04 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	289430		
253	25.2	18.2	27.2	
125	26.4	8.6	13.0	

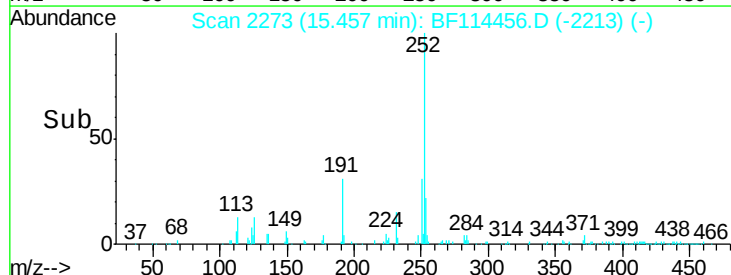
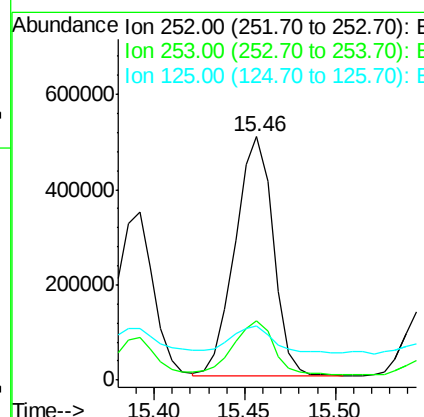
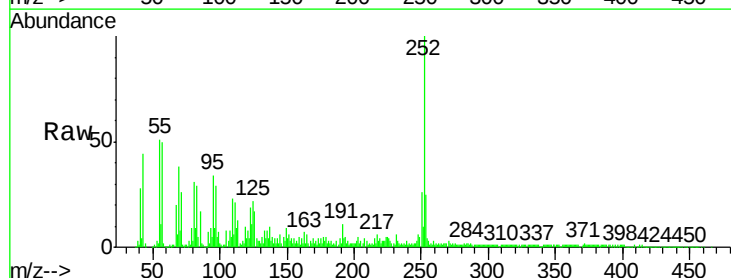
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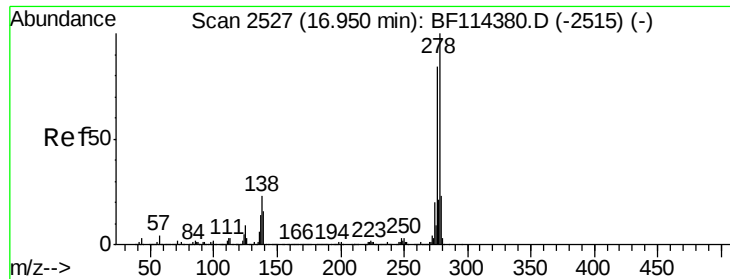
Sohil
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#90
Benzo(a)pyrene
Concen: 35.011 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.05 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	736131		
253	24.5	18.1	27.1	
125	22.1	9.5	14.3	





#91

Dibenzo(a,h)anthracene

Concen: 4.742 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_F

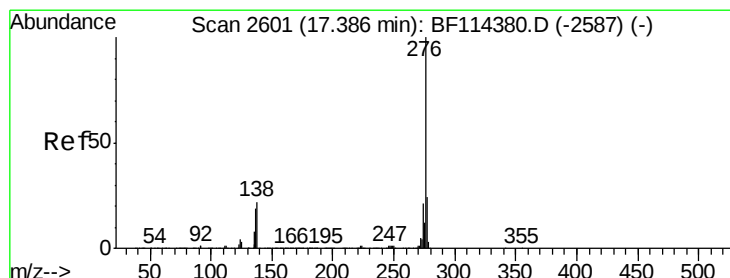
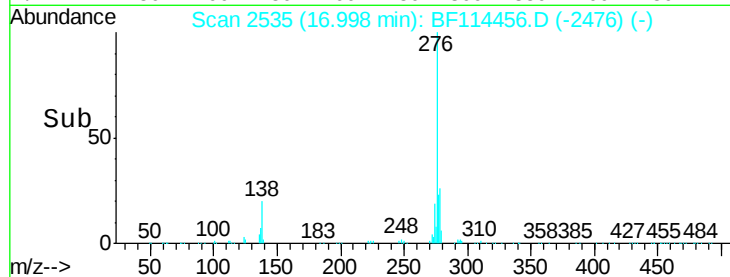
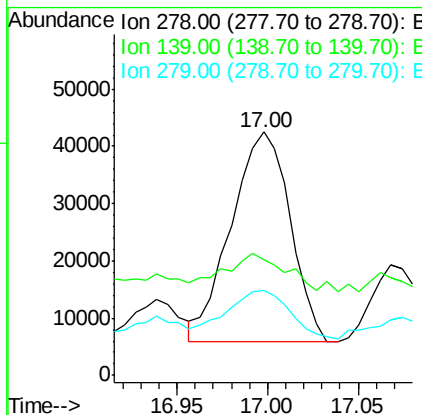
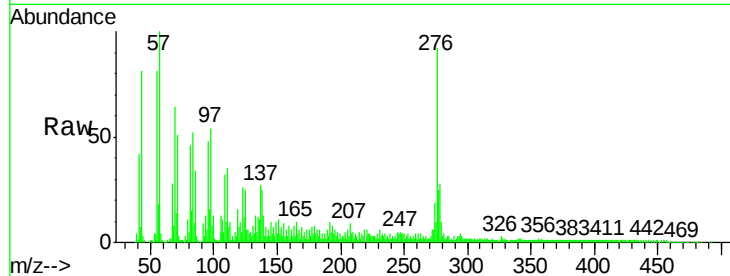
ClientSampleId :

SB-03(25.5-26)

Tgt Ion:	278	Resp:	82840
Ion Ratio	Lower	Upper	
278	100		
139	47.3	13.5	20.3#
279	34.8	19.0	28.6#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 13.863 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.06 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Tgt Ion:	276	Resp:	242719
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.0	28.4
138	27.1	17.8	26.6#

