

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116678.D
 Acq On : 31 Aug 2019 4:13
 Operator : HP/JU
 Sample : K4527-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 31 06:47:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110086	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	430151	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	221505	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	357695	20.00	ng	0.00
76) Chrysene-d12	13.99	240	216350	20.00	ng	0.00
87) Perylene-d12	15.44	264	249441	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	613496	90.28	ng	0.00
7) Phenol-d6	6.47	99	828304	92.83	ng	0.00
23) Nitrobenzene-d5	7.40	82	508588	67.50	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	144131	97.33	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	810223	61.70	ng	0.00
79) Terphenyl-d14	12.95	244	698762	59.75	ng	0.00
Target Compounds						
10) Phenol	6.49	94	37668	3.812	ng	89
50) Dimethylphthalate	9.59	163	85085	5.564	ng	99
71) Phenanthrene	11.38	178	80929	4.064	ng	100
75) Fluoranthene	12.57	202	170322	8.704	ng	98
78) Pyrene	12.80	202	201340	10.469	ng	99
81) Benzo(a)anthracene	13.98	228	100726	7.356	ng	99
83) Chrysene	14.02	228	101183	7.173	ng	97
86) Indeno(1,2,3-cd)pyrene	16.88	276	56226	4.962	ng	99
88) Benzo(b)fluoranthene	15.02	252	121630m	8.065	ng	
89) Benzo(k)fluoranthene	15.04	252	37534m	2.730	ng	
90) Benzo(a)pyrene	15.38	252	88408	6.738	ng	# 95
92) Benzo(a,h,i)perylene	17.32	276	51432	4.391	ng	# 92

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

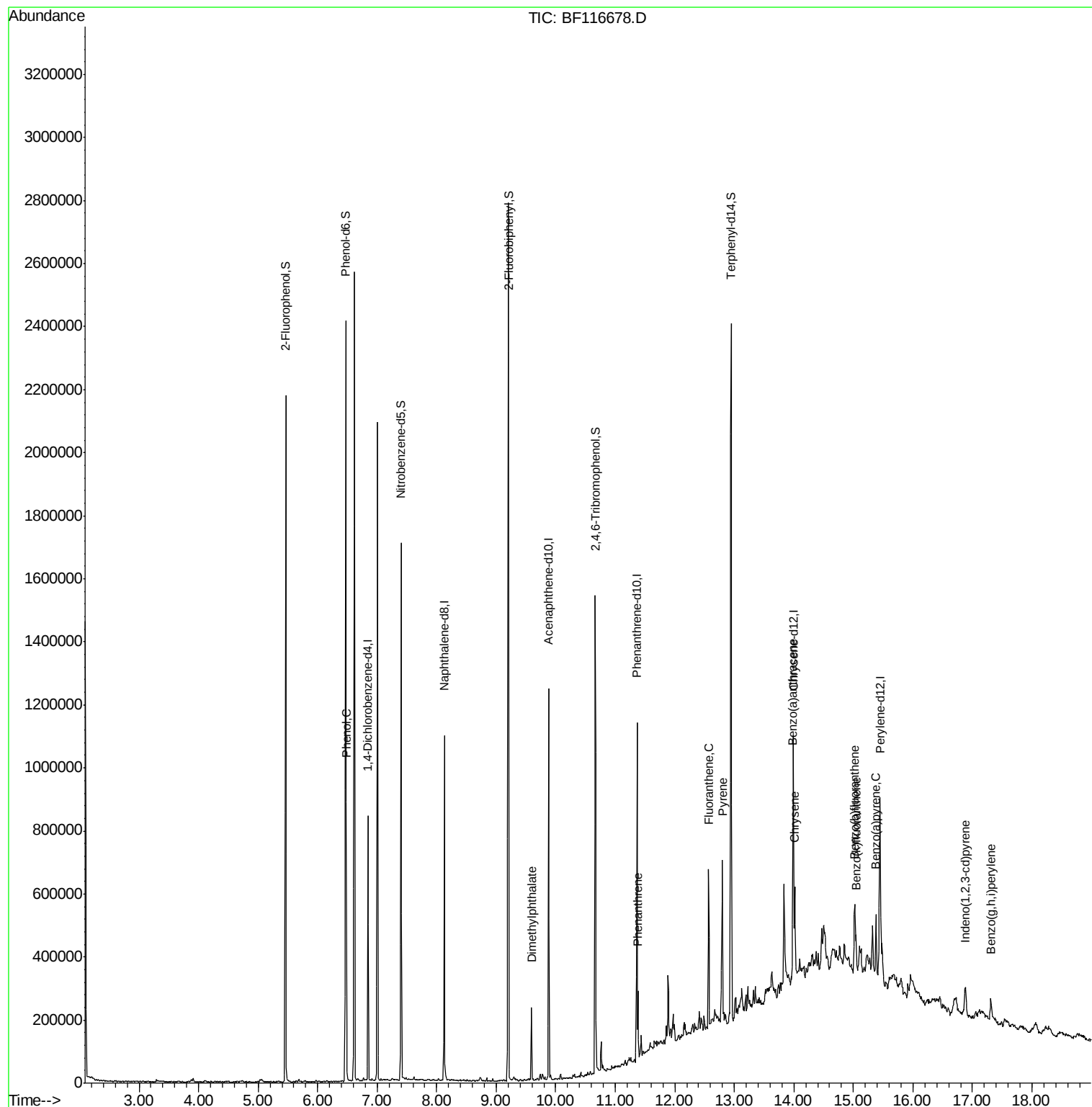
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
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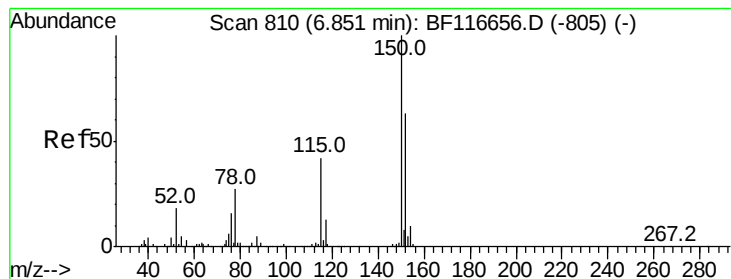
Instrument :
BNA_F
ClientSampleId :
T9-12-13-M-(0-1.9)

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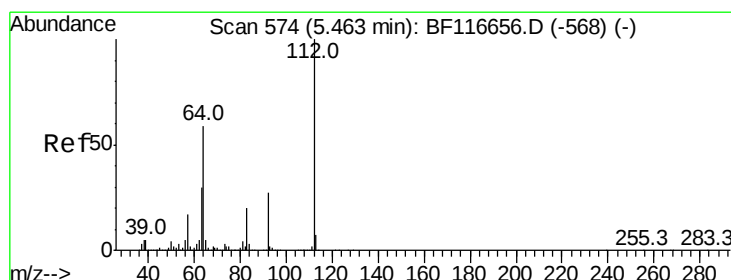
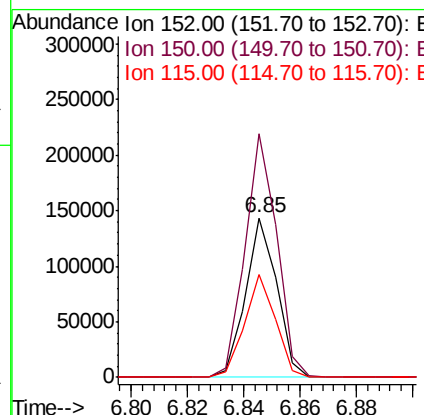
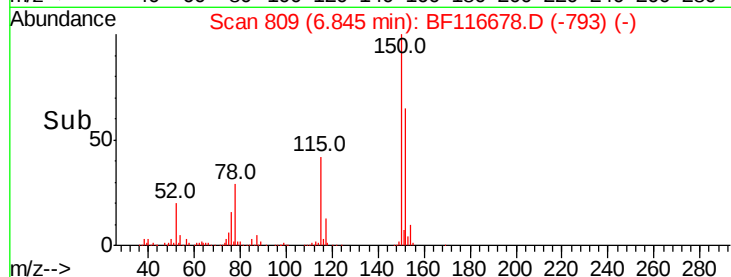
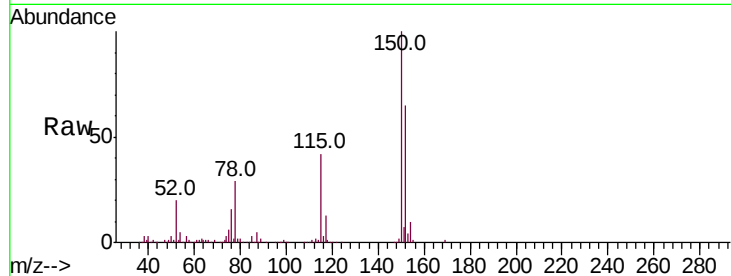
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116678.D
 Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.4	186.6
115	64.8	49.9	74.9

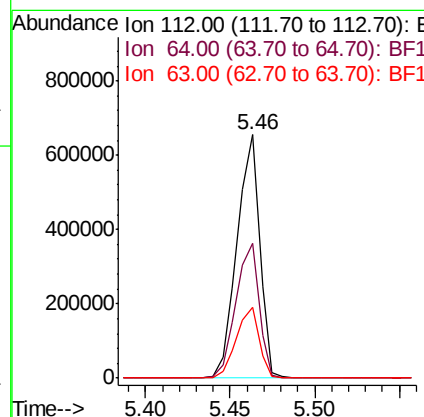
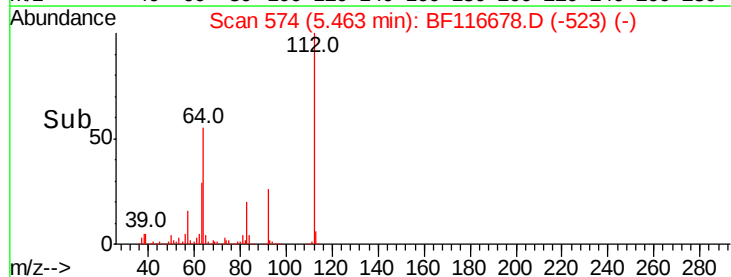
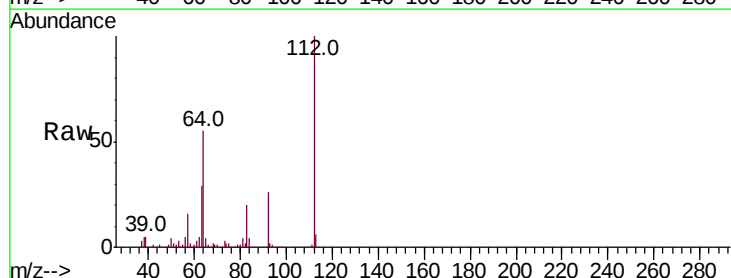
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#5
 2-Fluorophenol
 Concen: 90.284 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF116678.D
 Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.1	70.7
63	29.3	24.9	37.3





#7

Phenol-d6

Concen: 92.830 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Instrument :

BNA_F

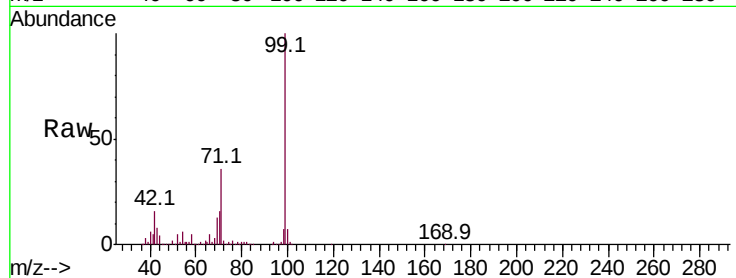
ClientSampleId :

T9-12-13-M-(0-1.9)

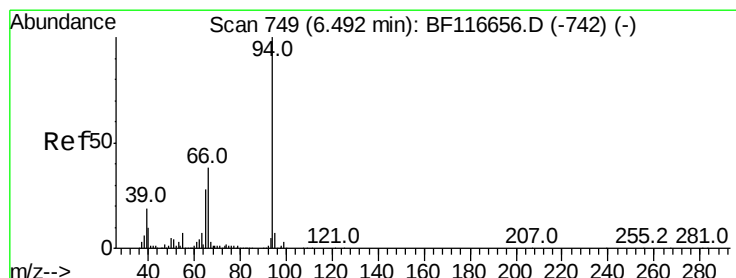
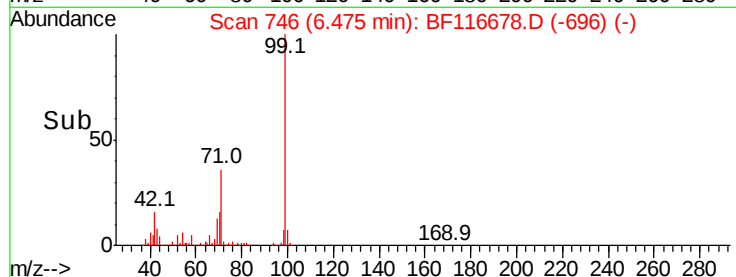
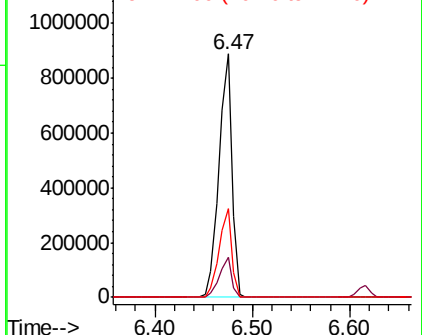
Tot Ion:	99	Resp:	828304
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.7	20.5
71	36.3	30.8	46.2

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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



#10

Phenol

Concen: 3.812 ng

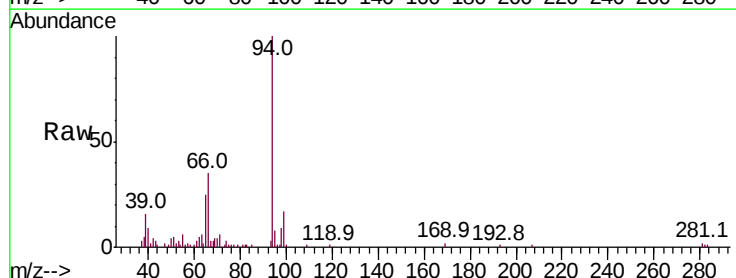
RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

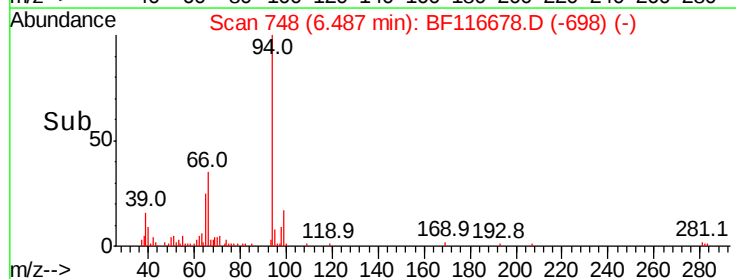
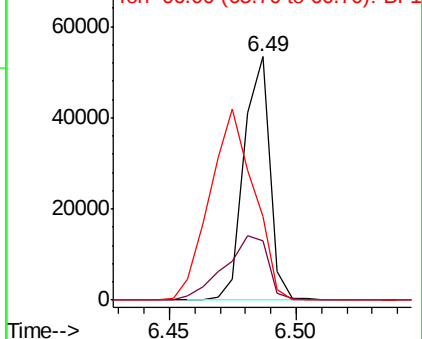
Lab File: BF116678.D

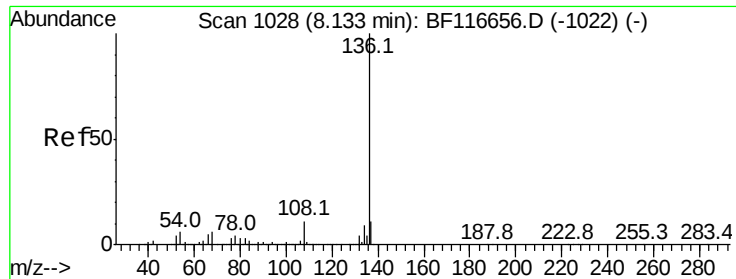
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Tgt Ion:	94	Resp:	37668
Ion Ratio	Lower	Upper	
94	100		
65	24.6	10.8	50.8
66	34.5	21.1	61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





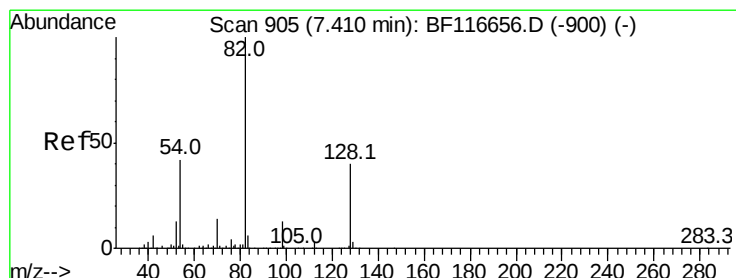
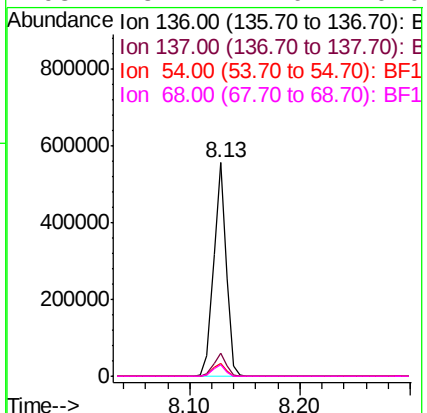
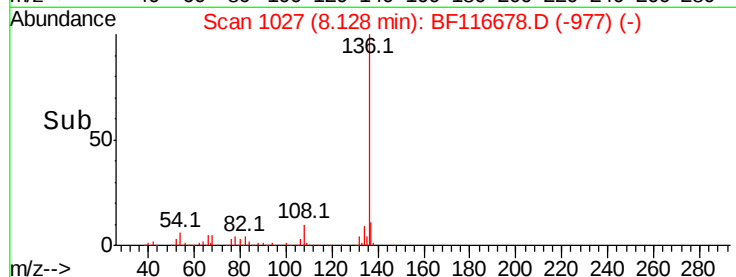
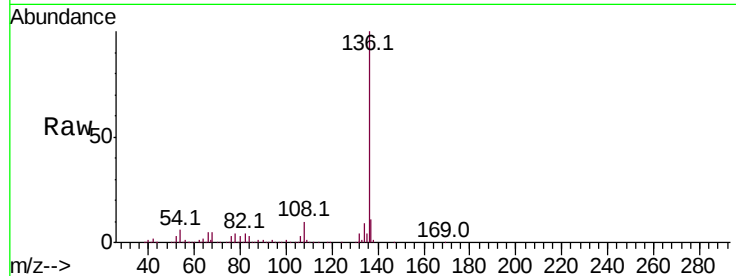
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	6.2	4.8	7.2	
68	5.4	4.0	6.0	

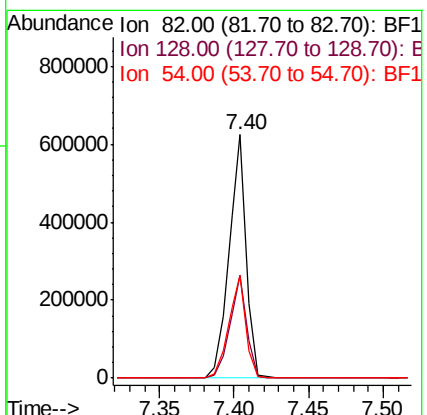
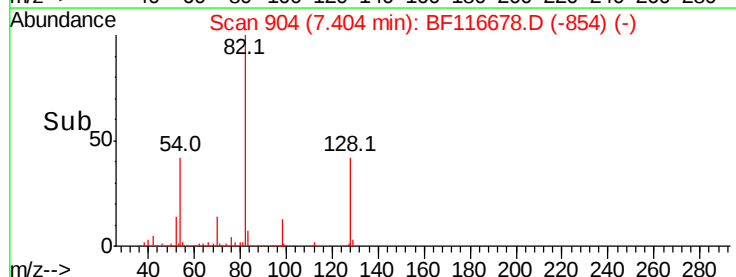
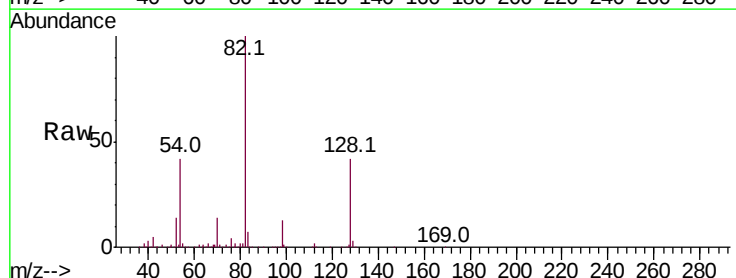
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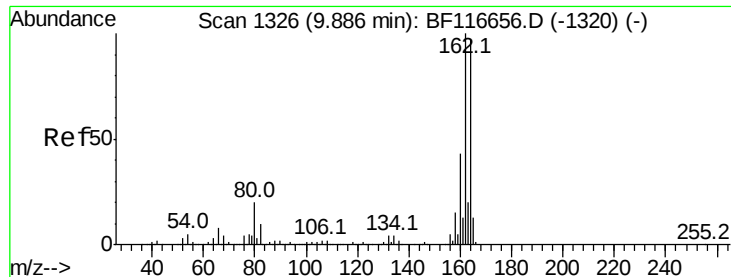
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#23
Nitrobenzene-d5
Concen: 67.497 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	32.8	49.2	
54	42.0	36.9	55.3	





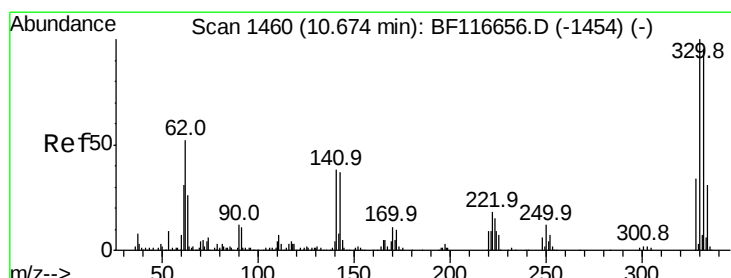
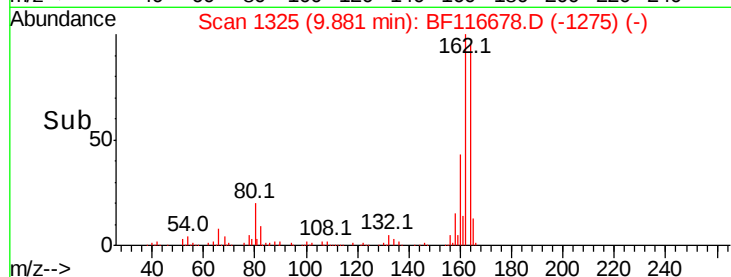
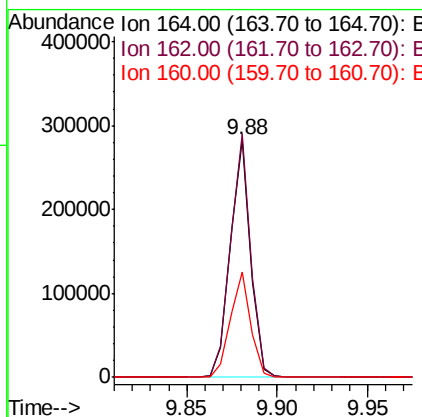
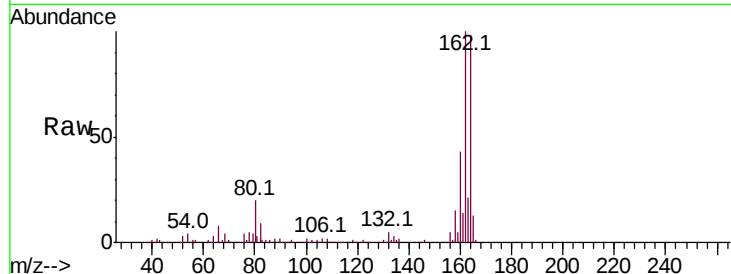
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	81.4	122.0	
160	44.4	35.4	53.2	

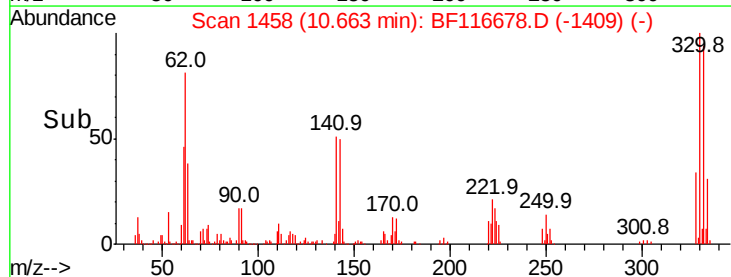
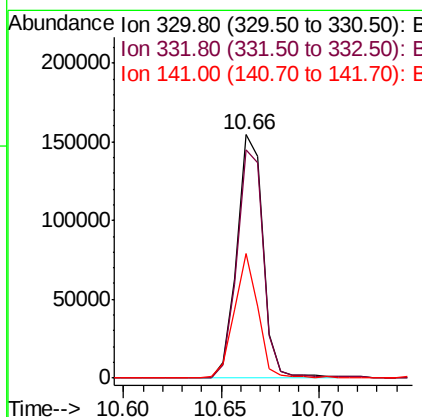
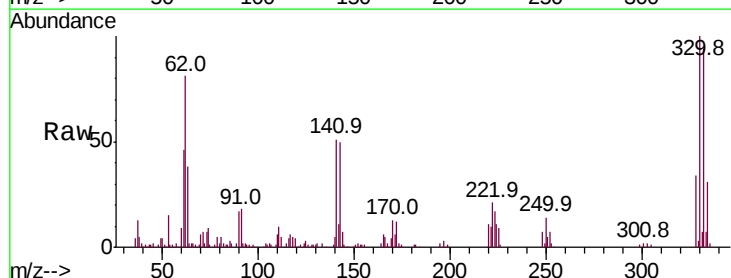
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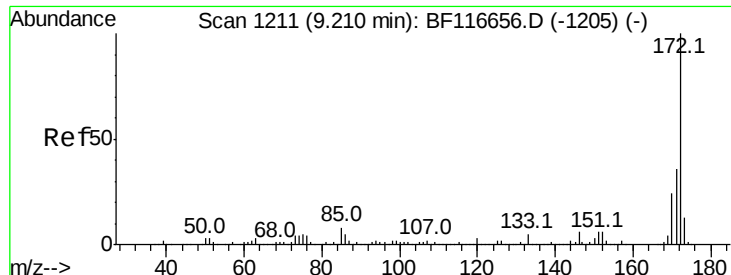
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#42
2,4,6-Tribromophenol
Concen: 97.333 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.9	115.3	
141	47.2	31.4	47.2#	





#45

2-Fluorobiphenyl

Concen: 61.703 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Instrument :

BNA_F

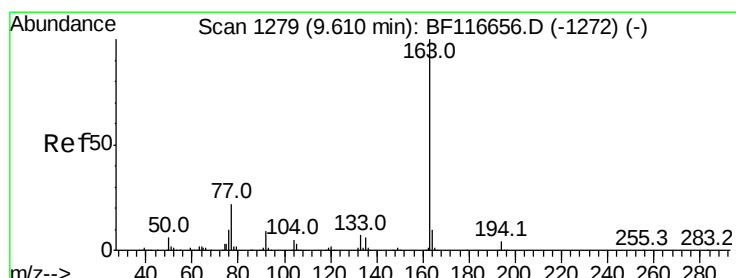
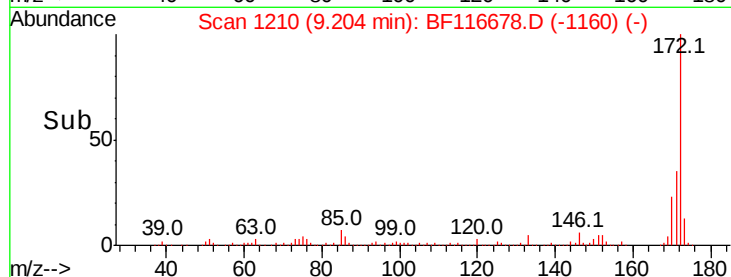
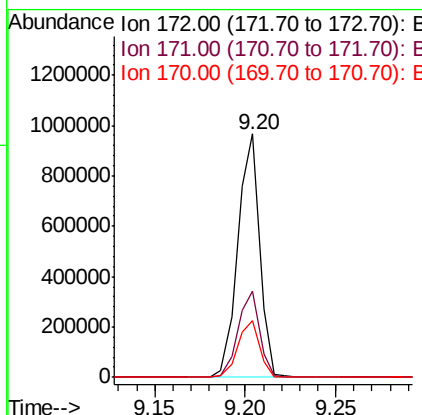
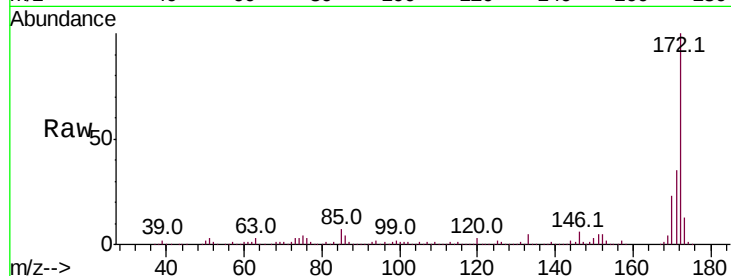
ClientSampleId :

T9-12-13-M-(0-1.9)

Tot Ion:	172	Resp:	810223
Ion Ratio	Lower	Upper	
172	100		
171	35.3	27.8	41.6
170	23.5	18.9	28.3

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#50

Dimethylphthalate

Concen: 5.564 ng

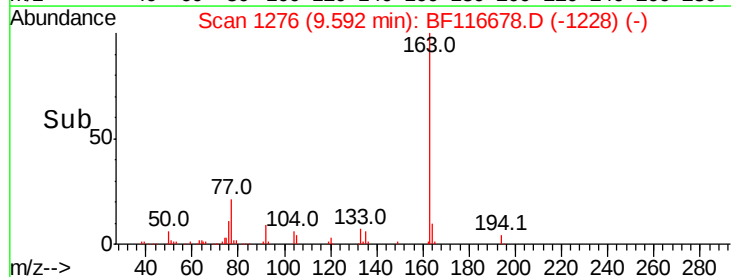
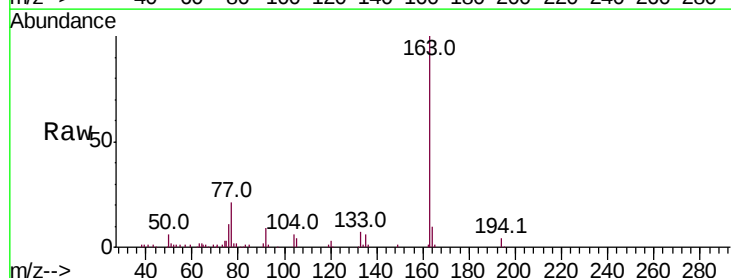
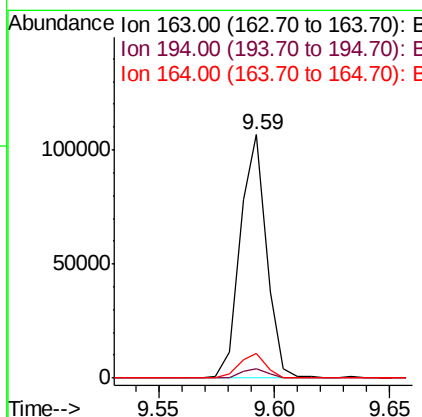
RT: 9.59 min Scan# 1276

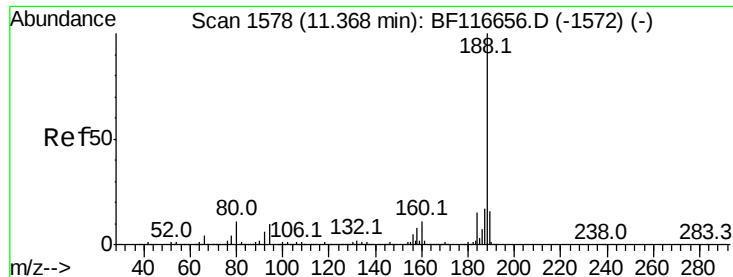
Delta R.T. -0.02 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Tgt Ion:	163	Resp:	85085
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.8	4.2
164	10.3	8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Instrument :

BNA_F

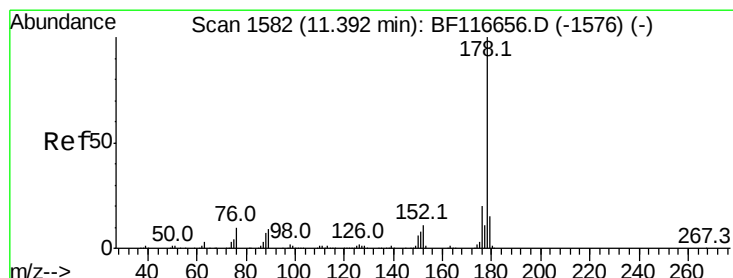
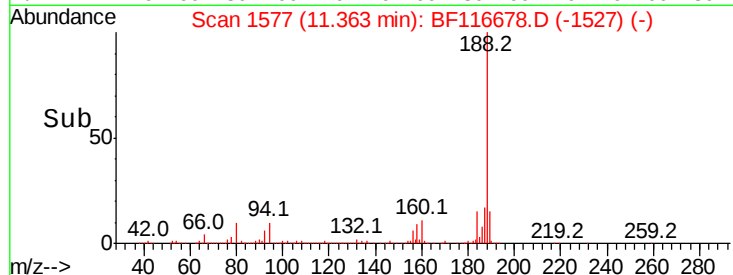
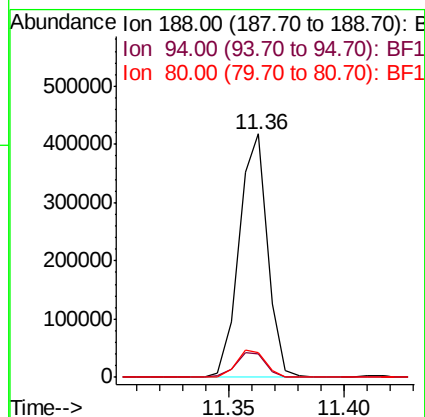
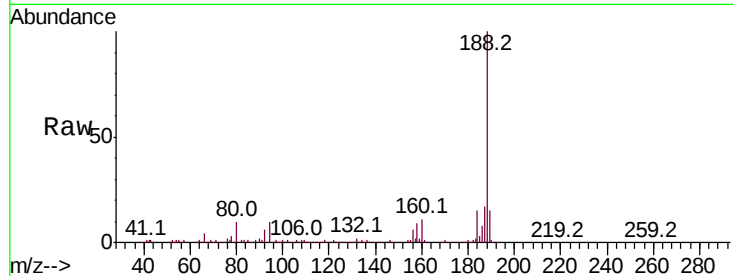
ClientSampleId :

T9-12-13-M-(0-1.9)

Tot Ion:	188	Resp:	357695
Ion Ratio	Lower	Upper	
188	100		
94	9.9	7.3	10.9
80	10.3	8.4	12.6

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#71

Phenanthrene

Concen: 4.064 ng

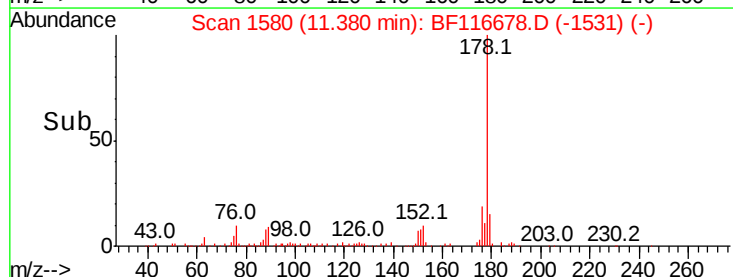
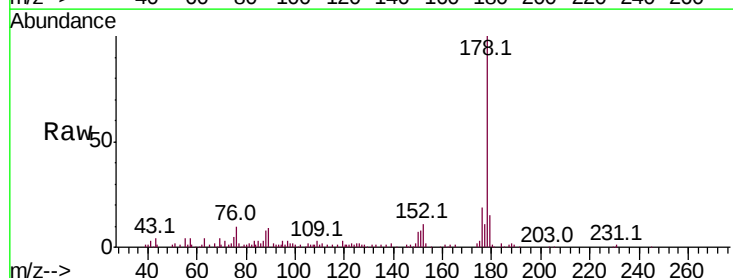
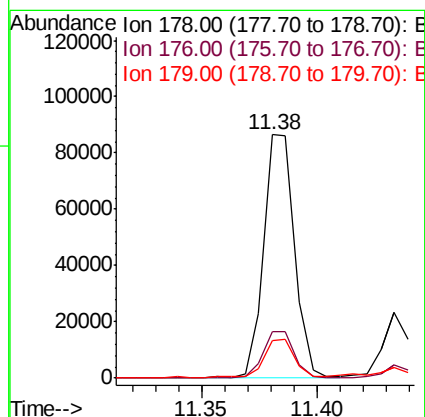
RT: 11.38 min Scan# 1580

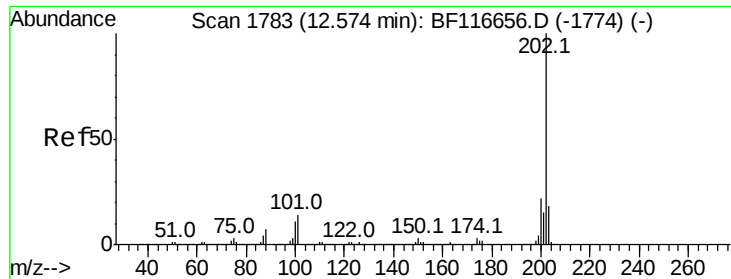
Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Tgt Ion:	178	Resp:	80929
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	15.2	12.2	18.2





#75

Fluoranthene

Concen: 8.704 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Instrument :

BNA_F

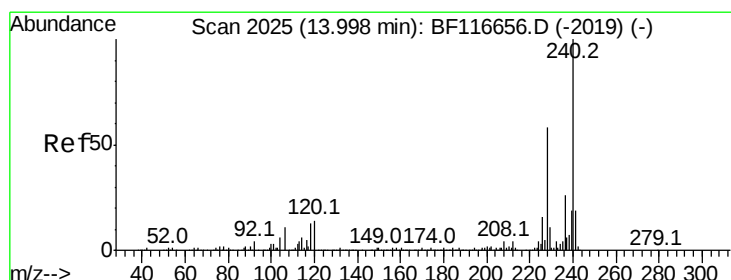
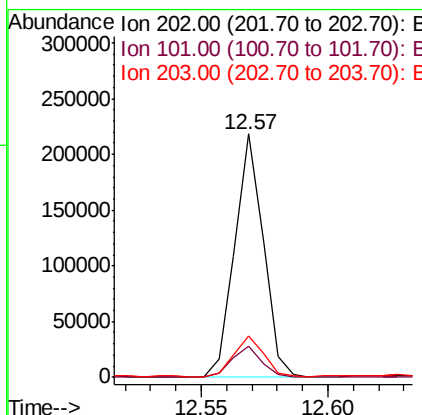
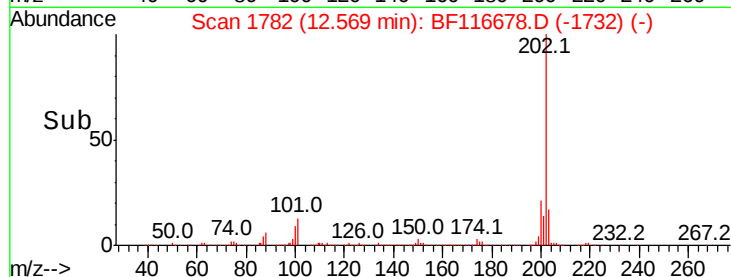
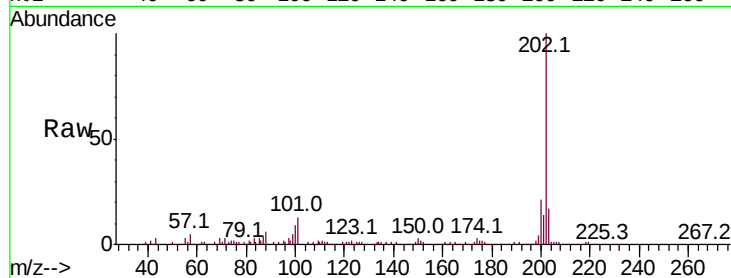
ClientSampleId :

T9-12-13-M-(0-1.9)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	31.3
203	16.9	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

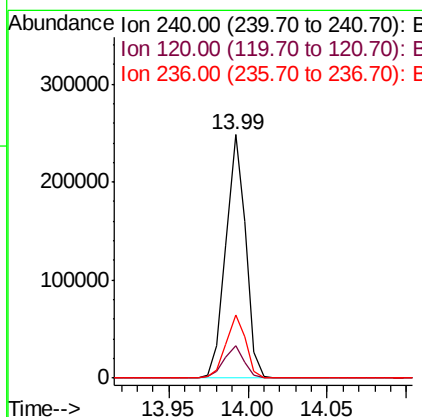
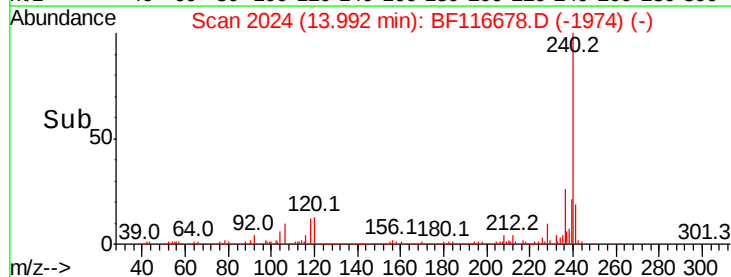
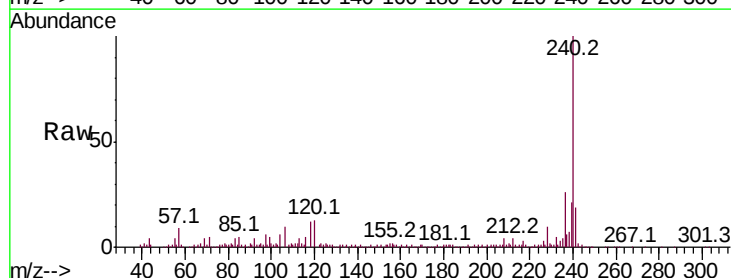
RT: 13.99 min Scan# 2024

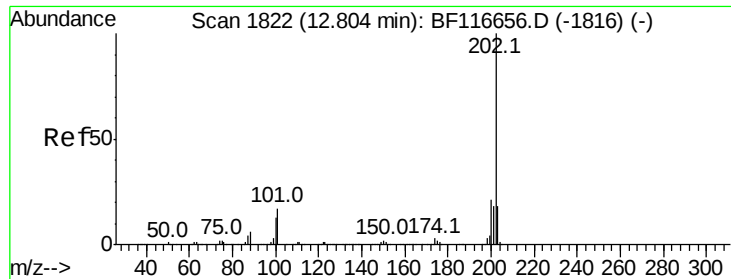
Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	9.1	13.7
236	26.0	21.1	31.7





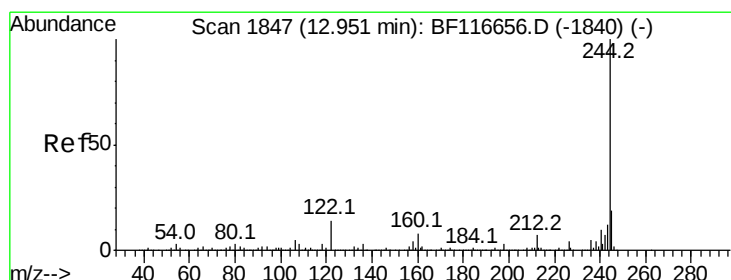
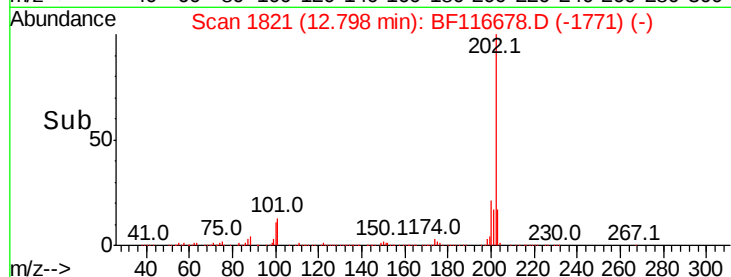
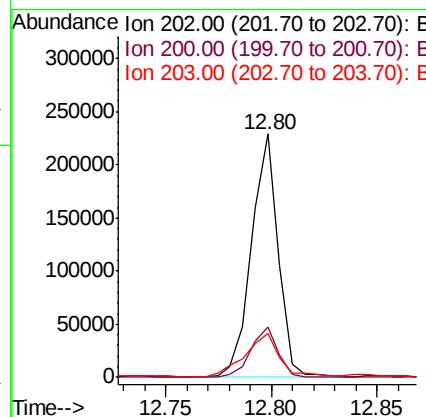
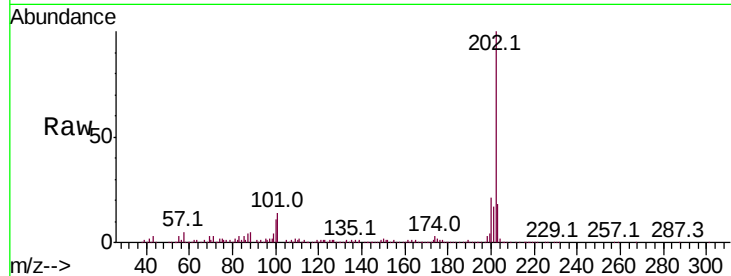
#78
Pvrene
Concen: 10.469 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.8	13.7	20.5

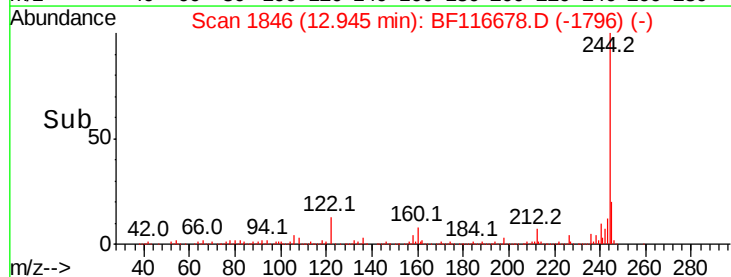
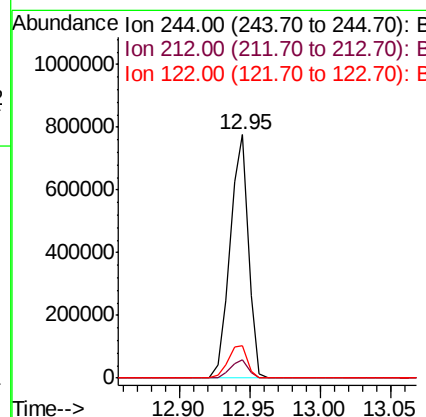
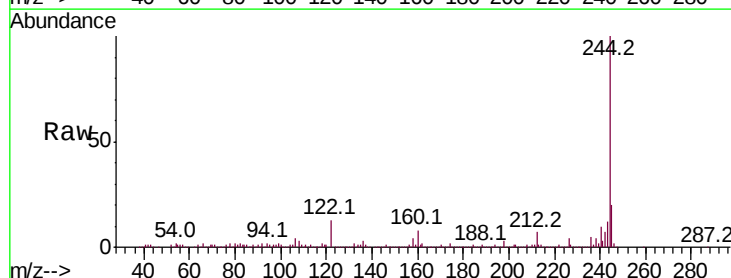
Manual Integrations
APPROVED

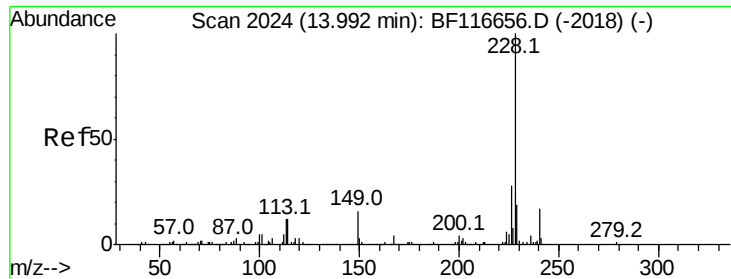
mohammad
8/31/2019 2:45:38 PM



#79
Terphenyl-d14
Concen: 59.749 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.1	9.1
122	13.2	10.2	15.4





#81

Benzo(a)anthracene

Concen: 7.356 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

Instrument :

BNA_F

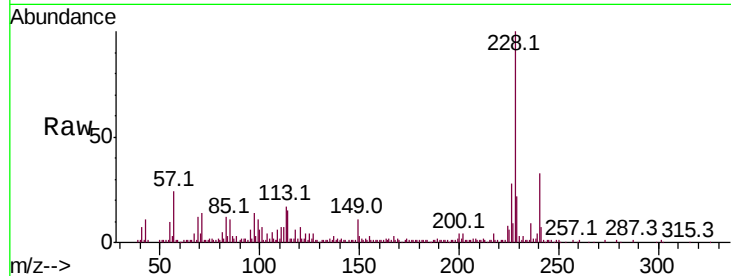
ClientSampleId :

T9-12-13-M-(0-1.9)

Tot Ion:	228	Resp:	100726
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.0	33.0
229	21.6	16.4	24.6

Manual Integrations
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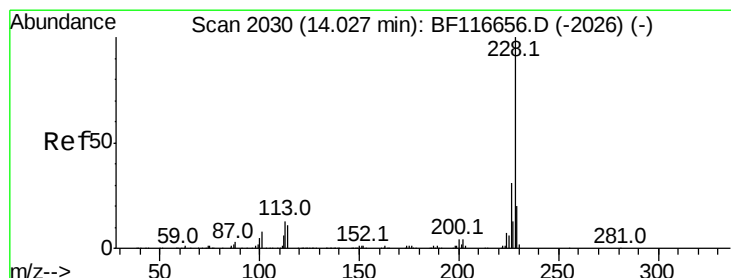
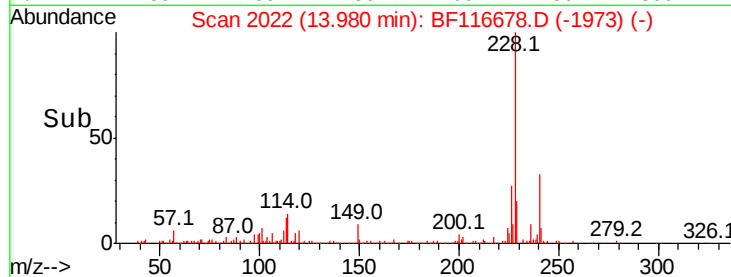
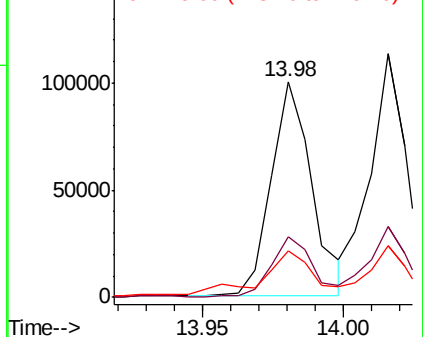


Abundance

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



#83

Chrysene

Concen: 7.173 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116678.D

Acq: 31 Aug 2019 4:13

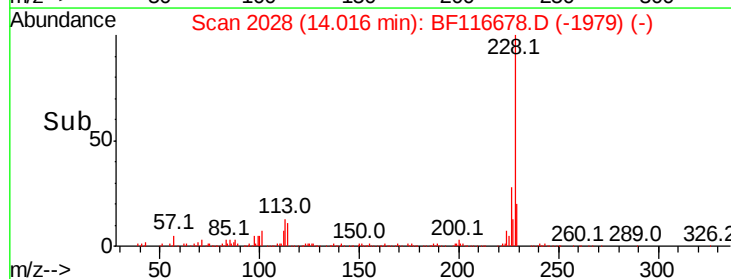
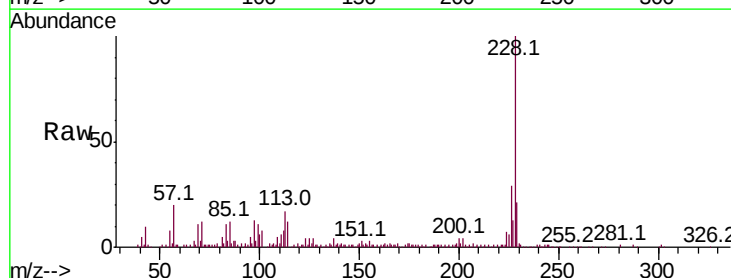
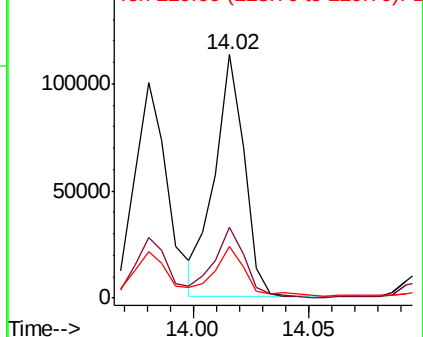
Tgt Ion:	228	Resp:	101183
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.0	36.0
229	21.3	15.4	23.0

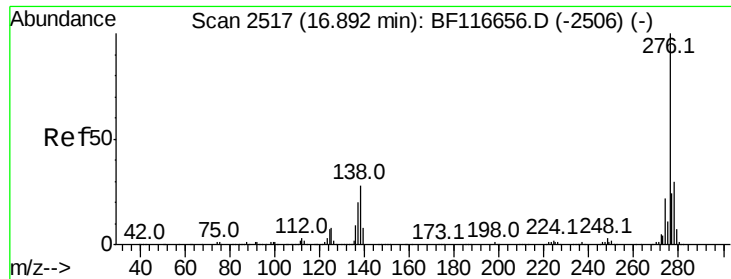
Abundance

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





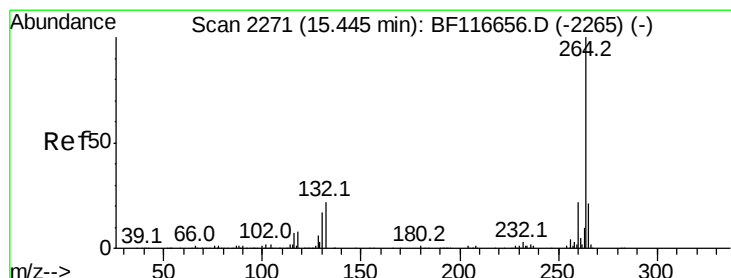
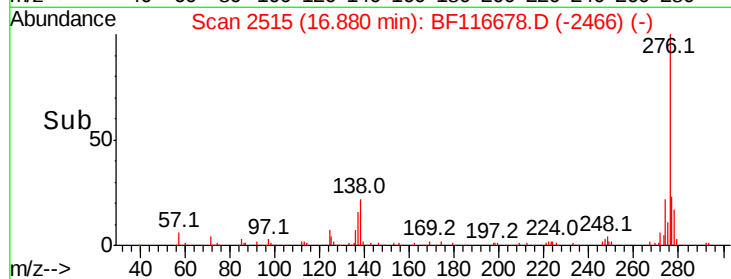
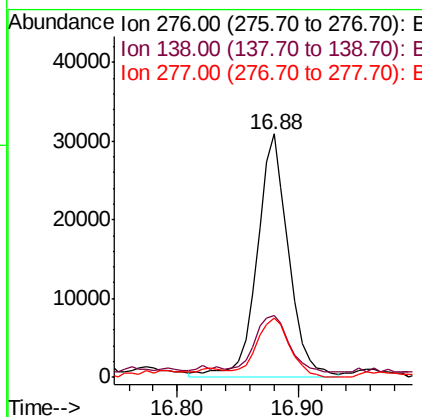
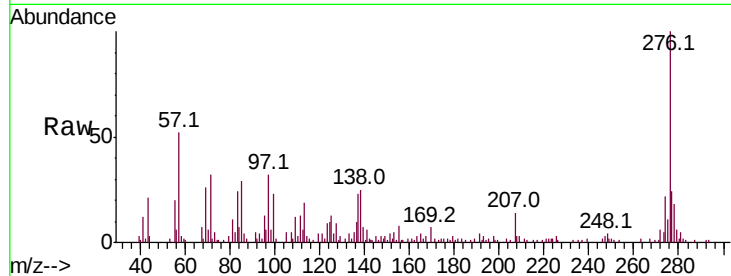
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.962 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BF116678.D
 Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	25.6	19.4	29.2	
277	25.8	20.5	30.7	

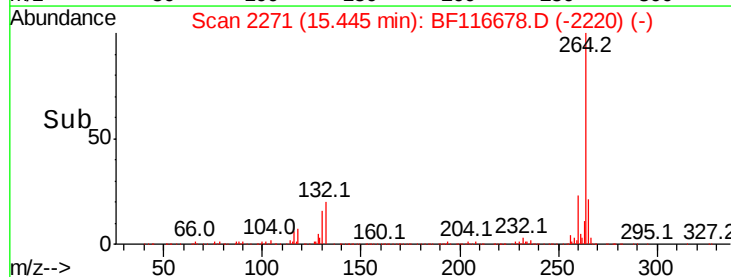
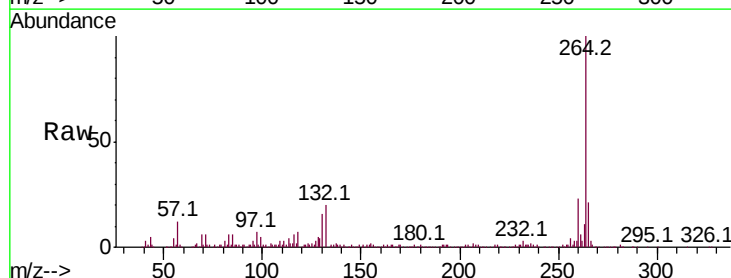
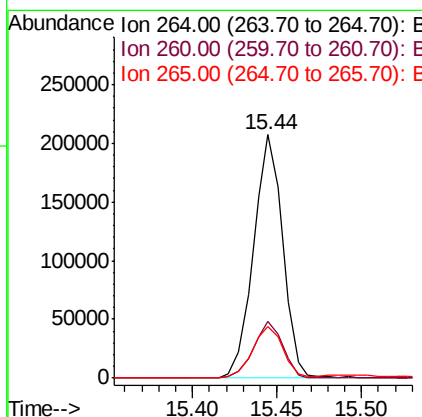
Manual Integrations
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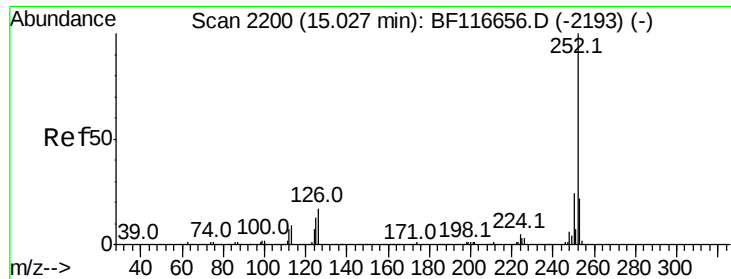
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116678.D
 Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.2	18.3	27.5	
265	21.4	16.5	24.7	





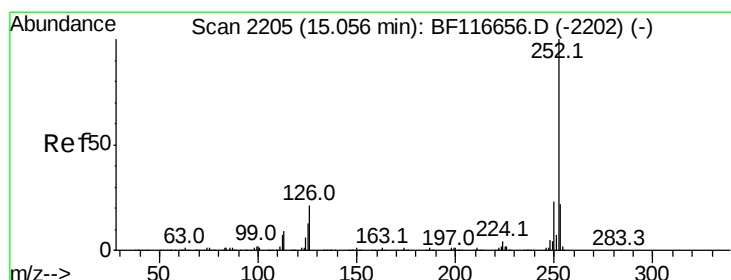
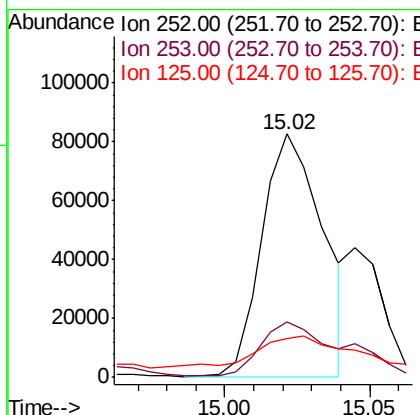
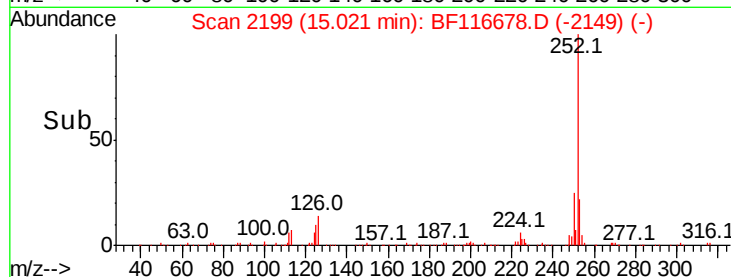
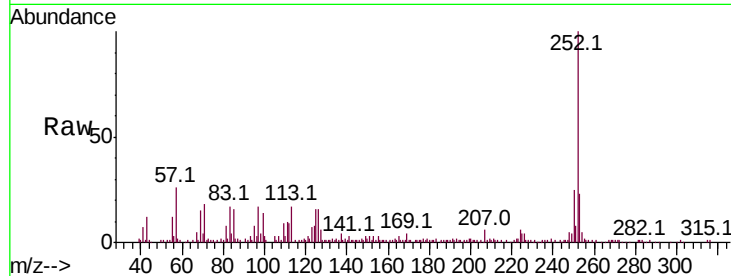
#88
Benzo(b)fluoranthene
Concen: 8.065 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	15.9	8.2	12.2

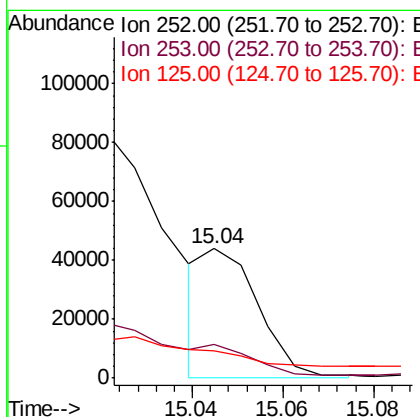
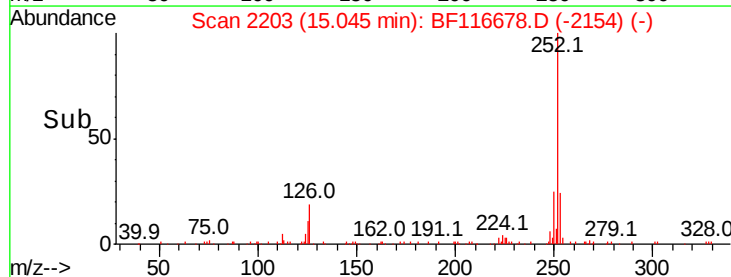
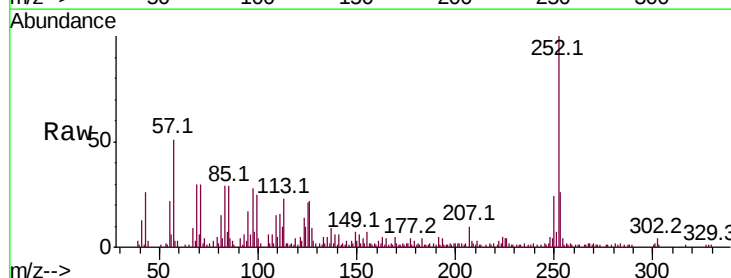
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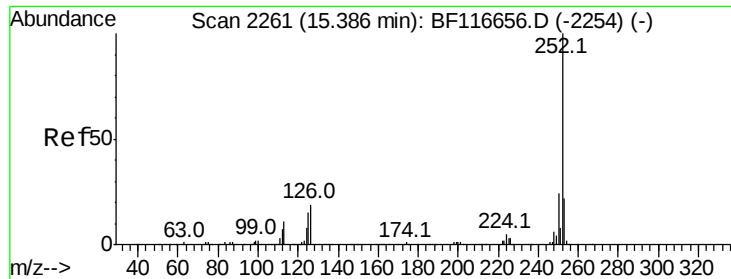
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.730 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.7	26.5
125	20.6	8.6	13.0





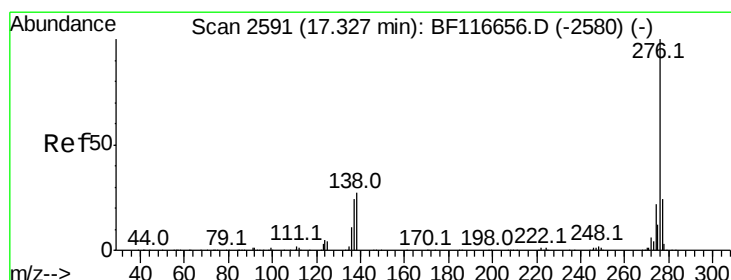
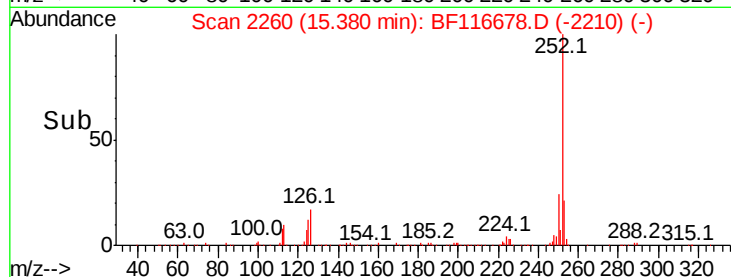
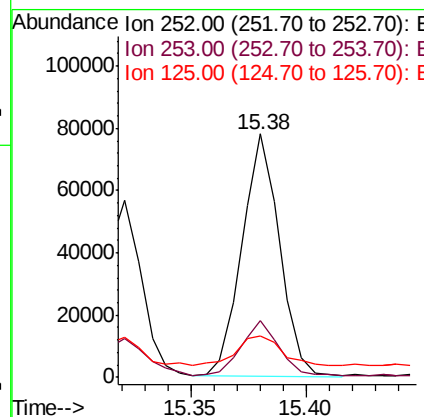
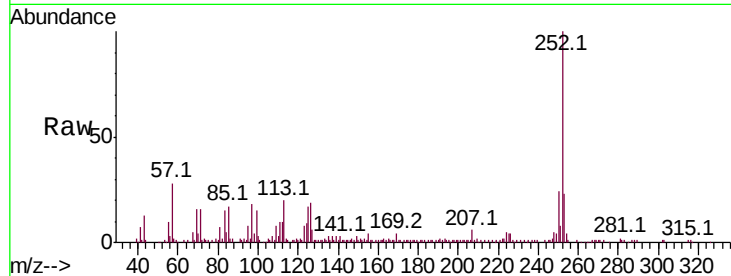
#90
Benzo(a)pyrene
Concen: 6.738 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.9	9.8	14.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.391 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.5	27.7
138	27.4	16.2	24.2

