

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116675.D
 Acq On : 31 Aug 2019 2:52
 Operator : HP/JU
 Sample : K4528-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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 8/31/2019 2:45:32 PM

Quant Time: Aug 31 04:53:01 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	106671	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	420335	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	211218	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	326951	20.00	ng	0.00
76) Chrysene-d12	13.99	240	200067	20.00	ng	0.00
87) Perylene-d12	15.44	264	237538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	628103	95.39	ng	0.00
7) Phenol-d6	6.47	99	848929	98.19	ng	0.00
23) Nitrobenzene-d5	7.40	82	517542	70.29	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	149488	105.87	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	862680	68.90	ng	0.00
79) Terphenyl-d14	12.94	244	724761	67.02	ng	0.00
Target Compounds						
10) Phenol	6.48	94	39152	4.089	ng	86
50) Dimethylphthalate	9.59	163	123103	8.442	ng	97
71) Phenanthrene	11.39	178	115376	6.339	ng	99
75) Fluoranthene	12.57	202	174542	9.758	ng	91
78) Pyrene	12.80	202	142688	8.023	ng	# 93
81) Benzo(a)anthracene	13.99	228	53814	4.250	ng	95
83) Chrysene	14.02	228	62373m	4.781	ng	
86) Indeno(1,2,3-cd)pyrene	16.88	276	55994	5.344	ng	99
88) Benzo(b)fluoranthene	15.02	252	88398m	6.155	ng	
89) Benzo(k)fluoranthene	15.05	252	31201m	2.383	ng	
90) Benzo(a)pyrene	15.38	252	60299	4.826	ng	# 93
92) Benzo(a,h,i)perylene	17.31	276	56648	5.079	ng	# 91

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

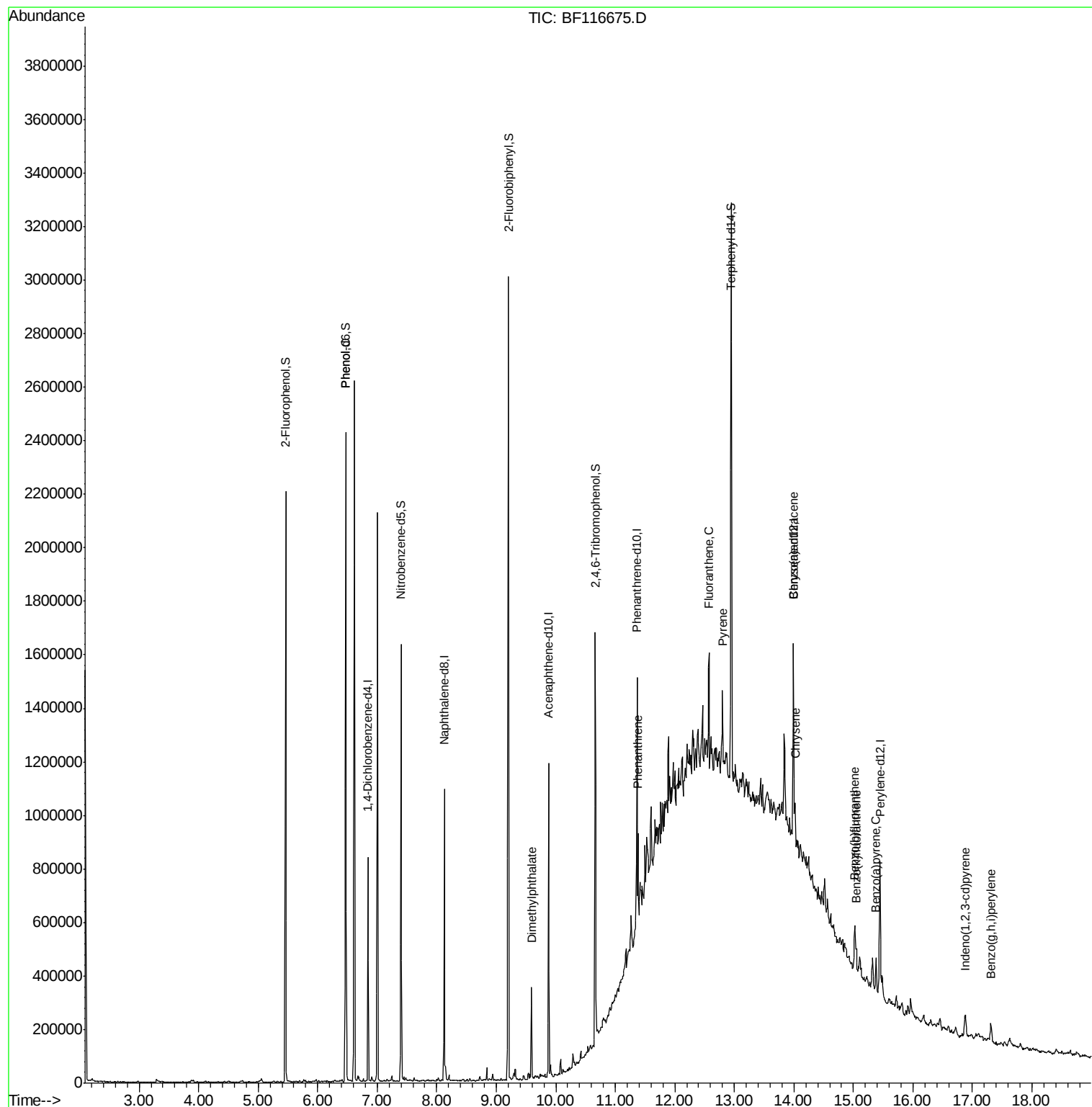
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
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ALS Vial : 14 Sample Multiplier: 1

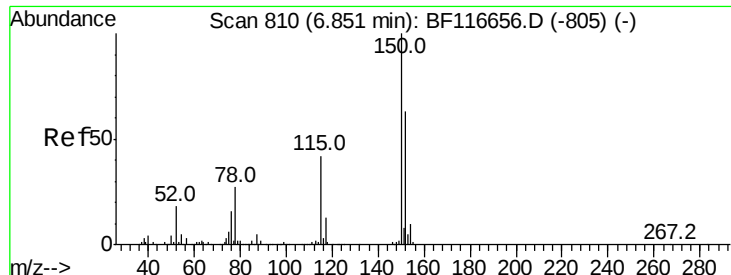
Instrument :
BNA_F
ClientSampleId :
T9-12-13-R-(0-1.9)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

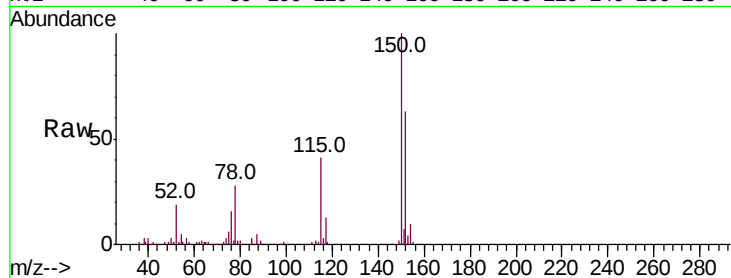
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.4	186.6
115	64.4	49.9	74.9

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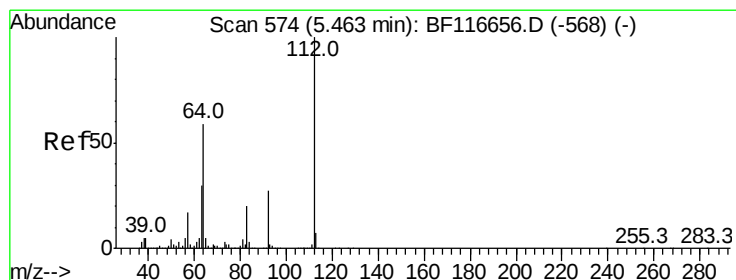
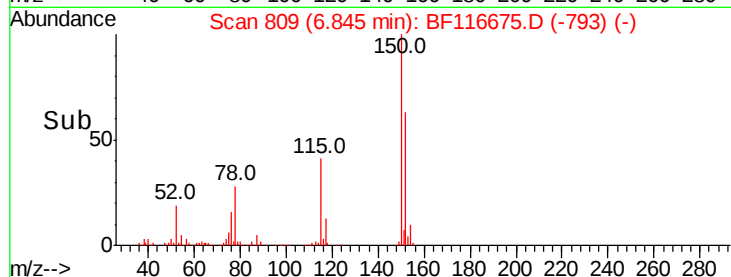
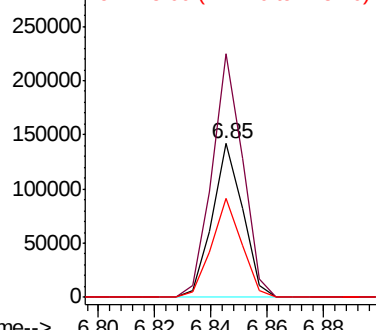


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

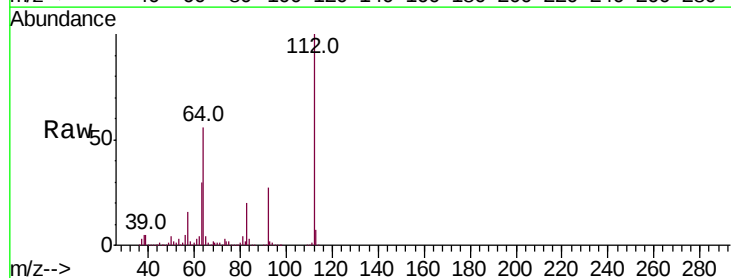
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.393 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.1	70.7
63	29.9	24.9	37.3

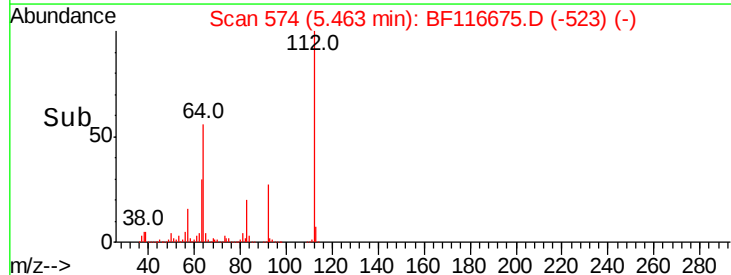
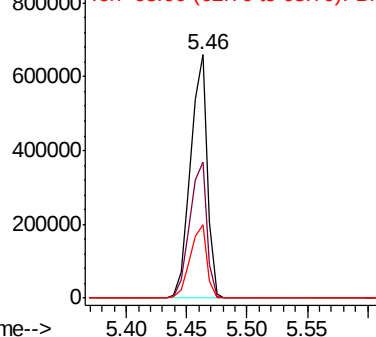


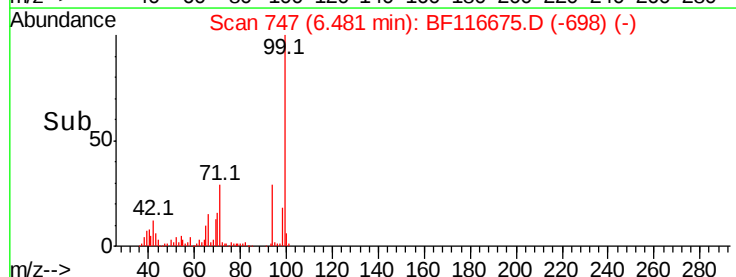
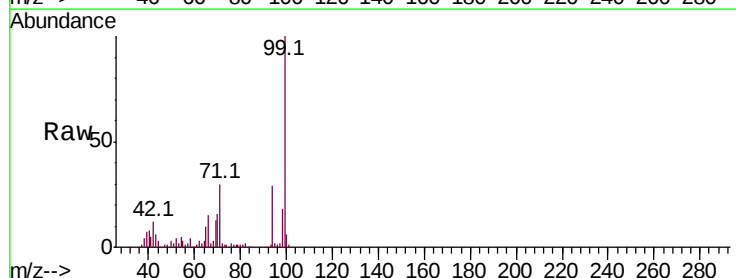
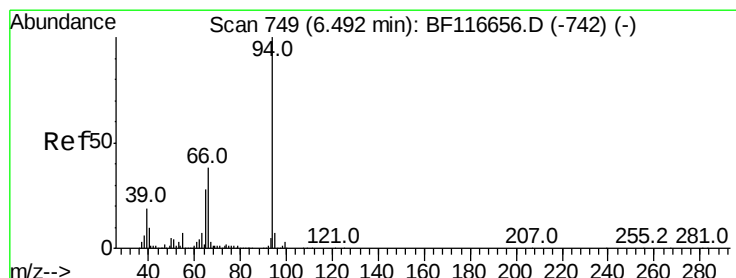
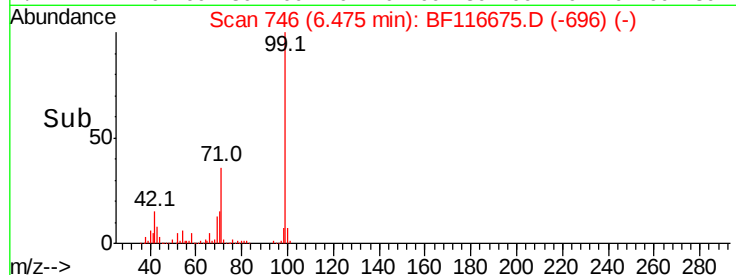
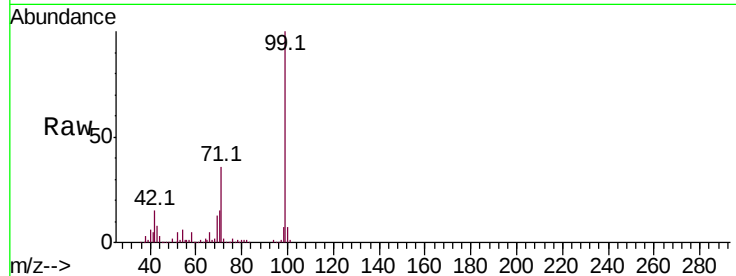
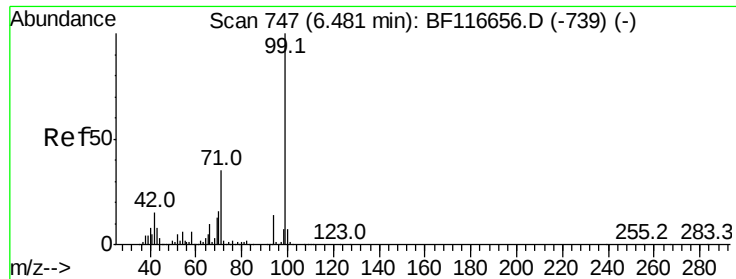
Abundance

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: 98.187 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116675.D

Acq: 31 Aug 2019 2:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		848929		
42	15.4	13.7	20.5		
71	35.6	30.8	46.2		

Instrument :

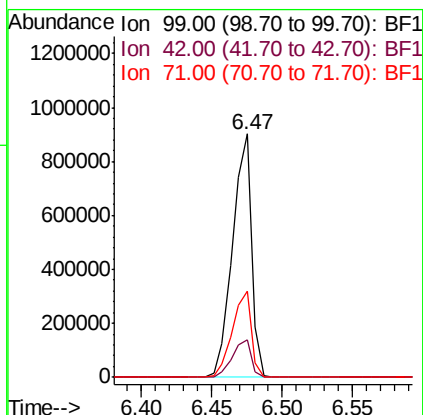
BNA_F

ClientSampleId :

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

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#10

Phenol

Concen: 4.089 ng

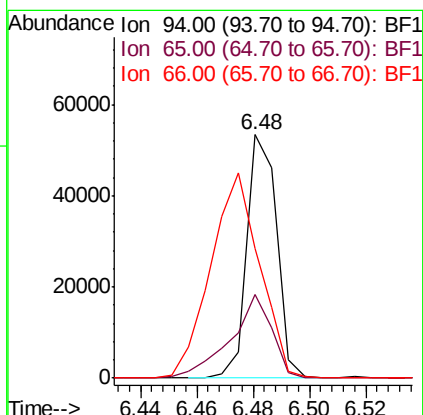
RT: 6.48 min Scan# 747

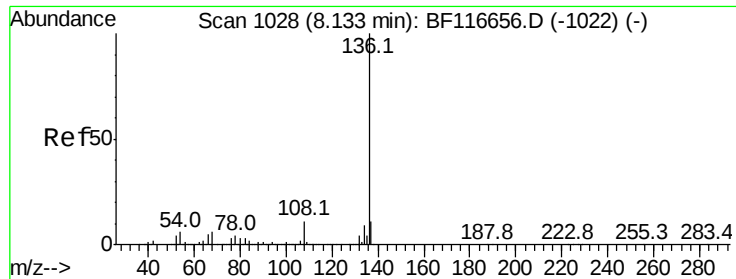
Delta R.T. -0.01 min

Lab File: BF116675.D

Acq: 31 Aug 2019 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		39152		
65	34.3	10.8	50.8		
66	53.1	21.1	61.1		





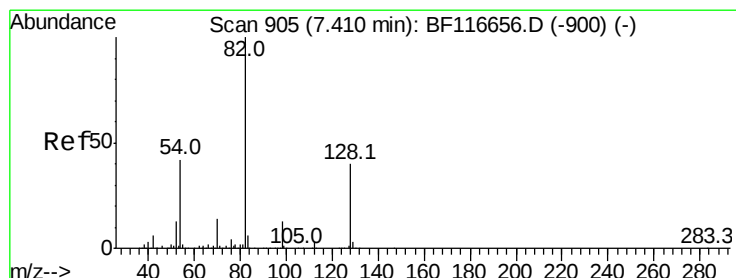
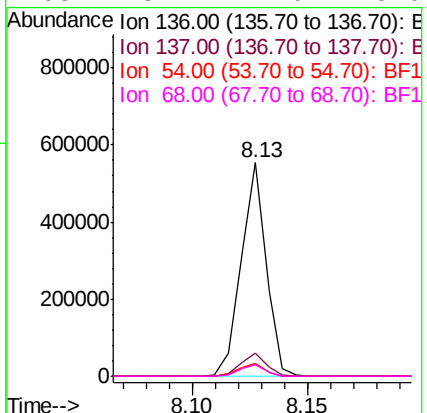
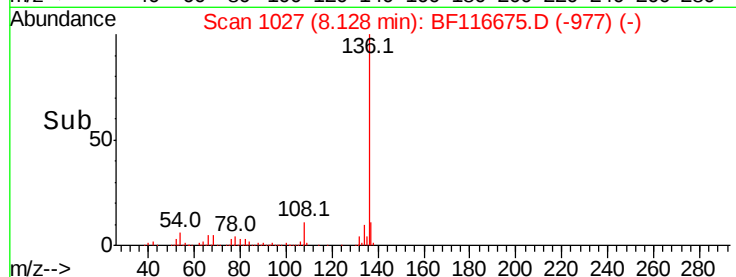
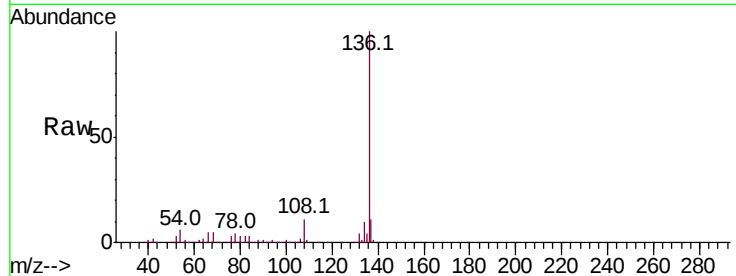
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		420335		
137	11.0	8.9	13.3		
54	6.1	4.8	7.2		
68	5.4	4.0	6.0		

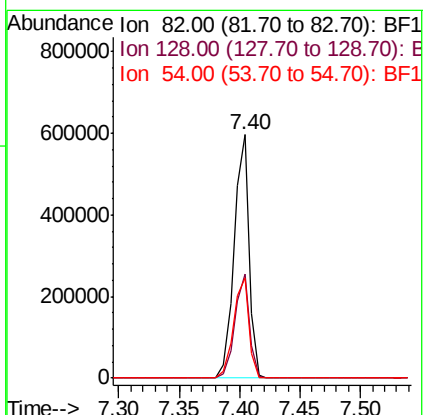
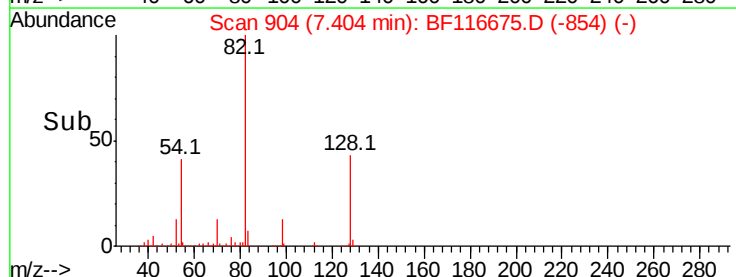
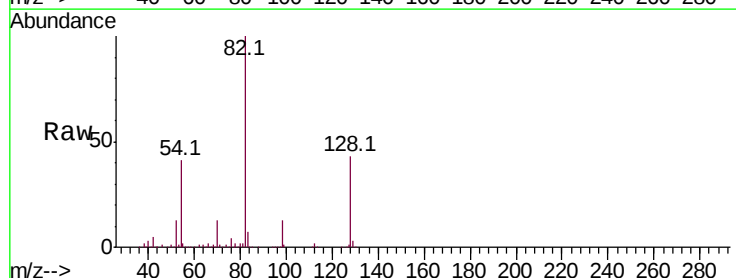
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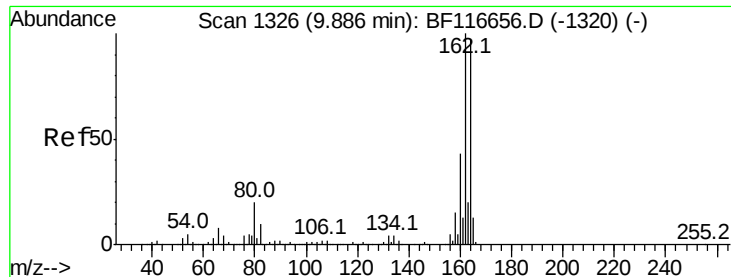
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#23
Nitrobenzene-d5
Concen: 70.289 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		517542		
128	42.9	32.8	49.2		
54	41.3	36.9	55.3		





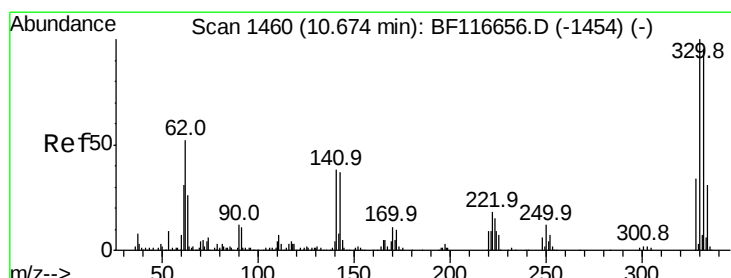
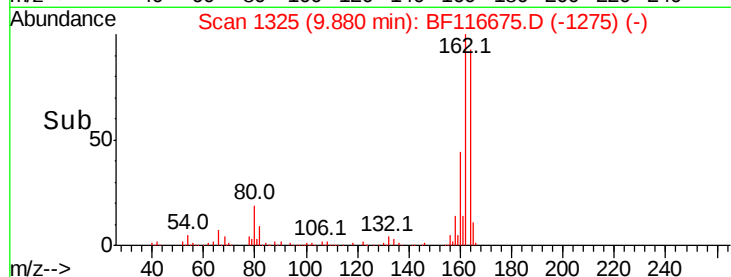
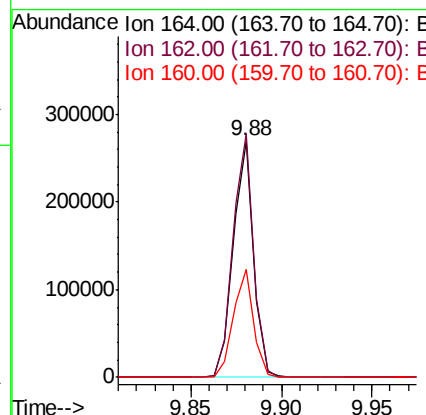
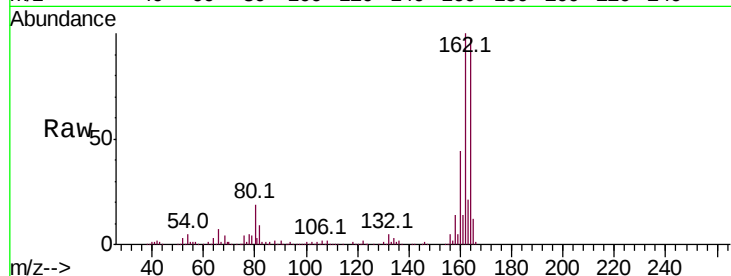
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100	211218		
162	103.0	81.4	122.0	
160	45.4	35.4	53.2	

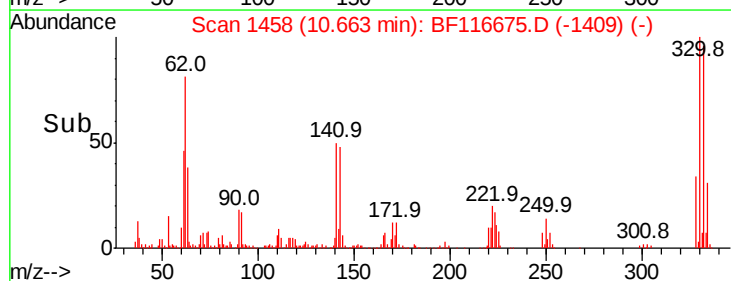
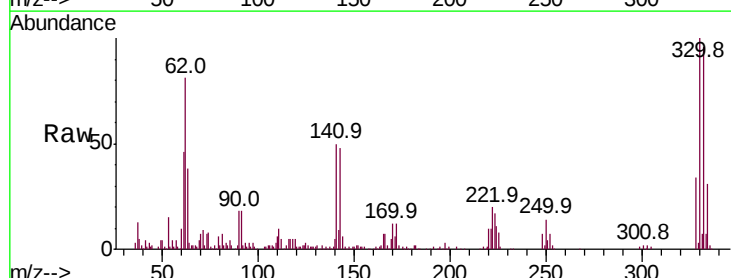
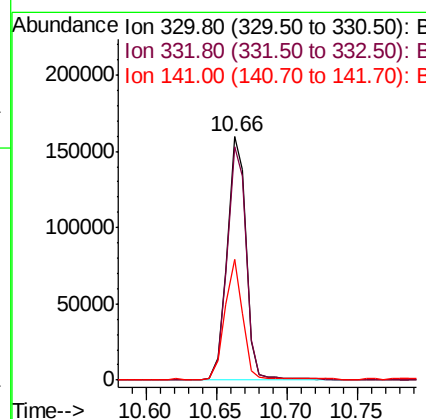
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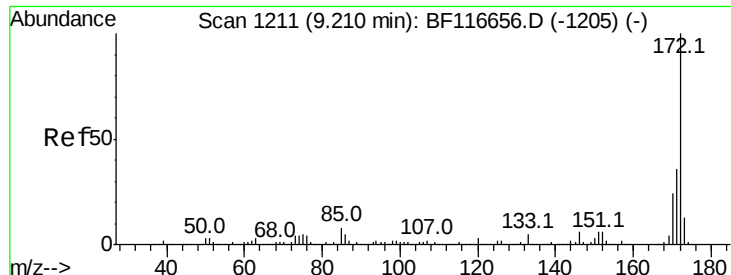
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#42
2,4,6-Tribromophenol
Concen: 105.867 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	149488		
332	97.1	76.9	115.3	
141	45.9	31.4	47.2	





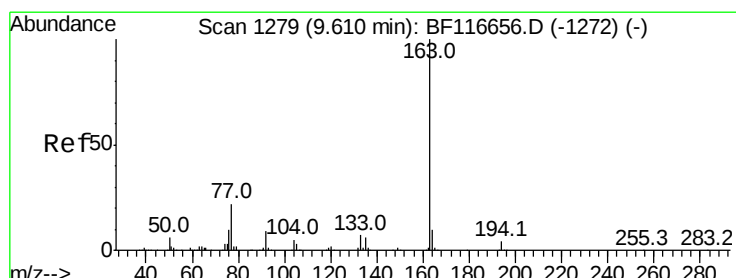
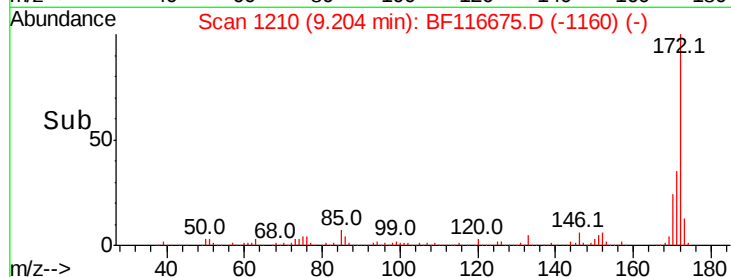
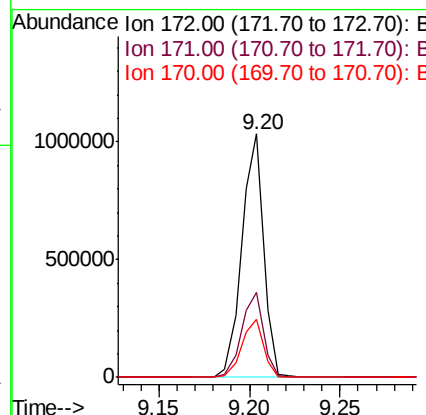
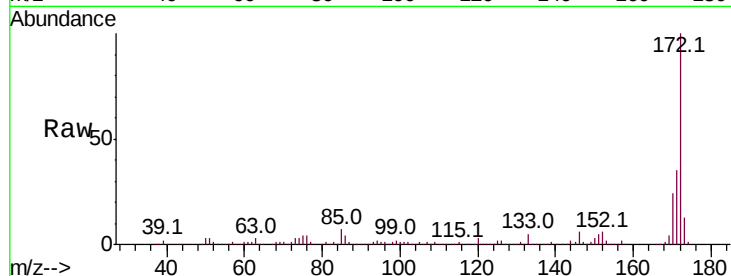
#45
2-Fluorobiphenyl
Concen: 68.898 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	862680		
171	35.0		27.8	41.6
170	23.7		18.9	28.3

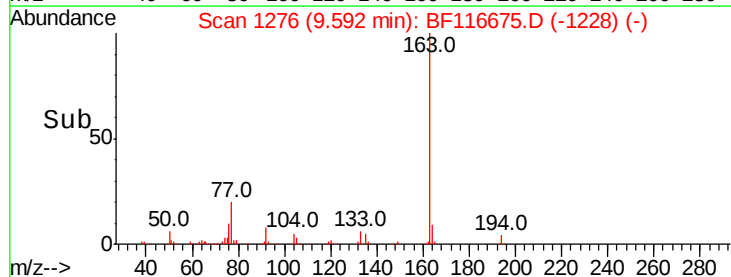
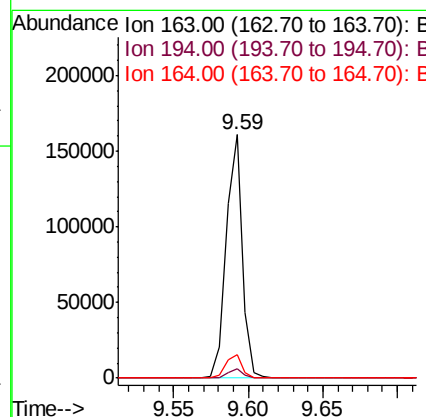
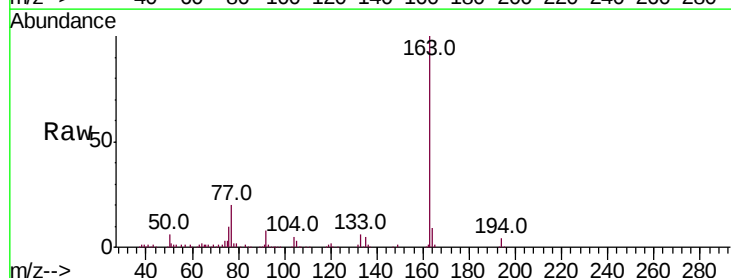
Manual Integrations
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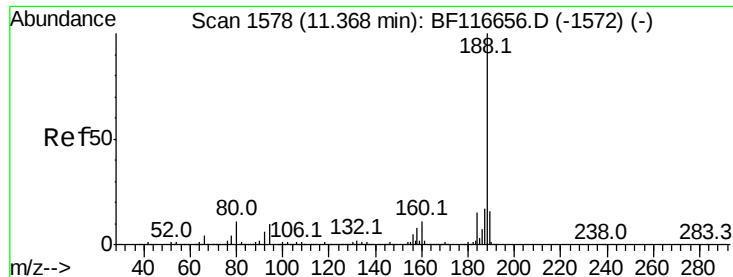
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#50
Dimethylphthalate
Concen: 8.442 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	123103		
194	3.8		2.8	4.2
164	9.4		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: BF116675.D

Acq: 31 Aug 2019 2:52

Instrument :

BNA_F

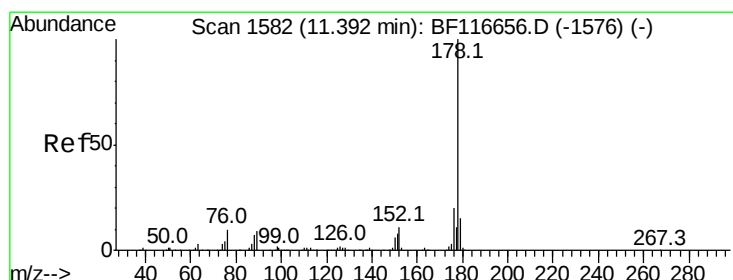
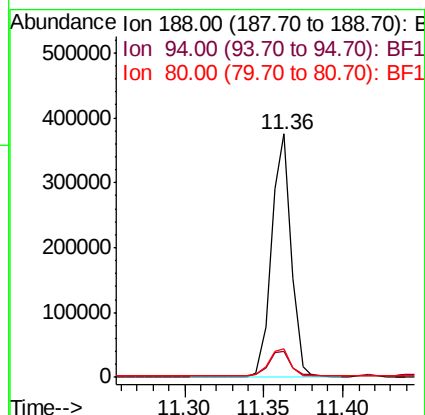
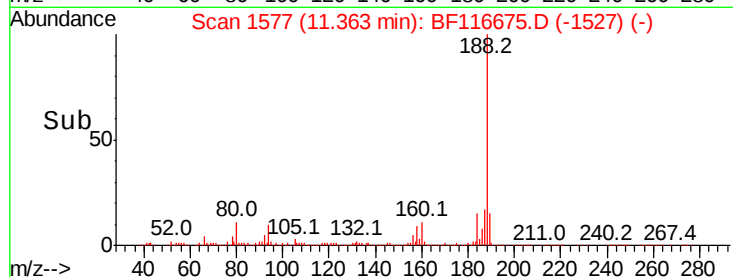
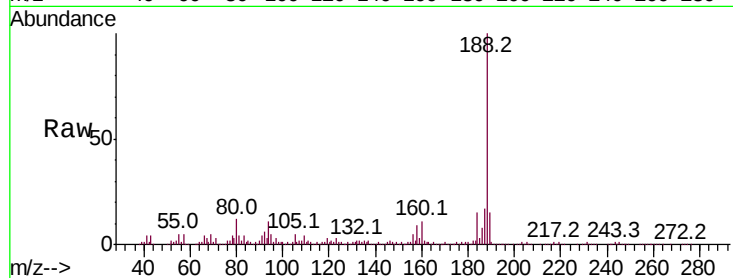
ClientSampleId :

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

Tot Ion:	188	Resp:	326951
Ion Ratio	Lower	Upper	
188	100		
94	10.7	7.3	10.9
80	11.6	8.4	12.6

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#71

Phenanthrene

Concen: 6.339 ng

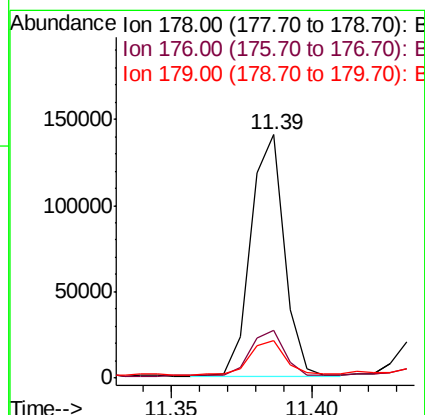
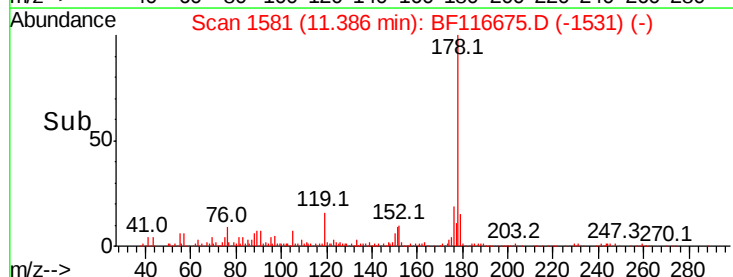
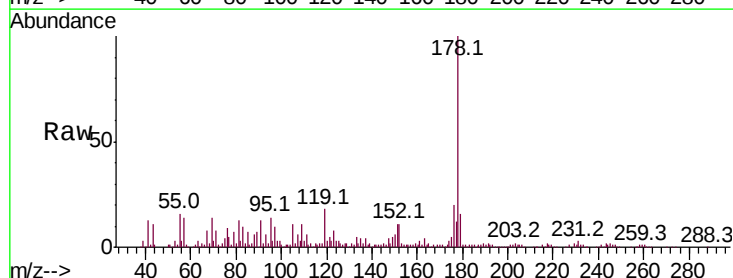
RT: 11.39 min Scan# 1581

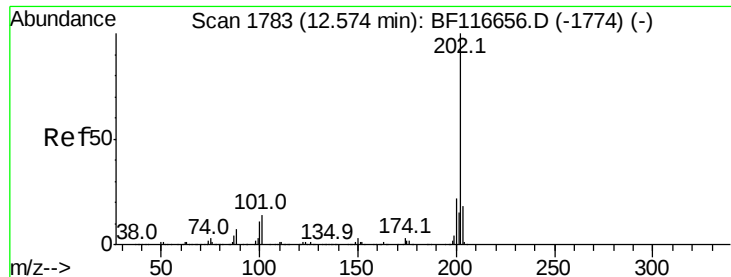
Delta R.T. -0.01 min

Lab File: BF116675.D

Acq: 31 Aug 2019 2:52

Tgt Ion:	178	Resp:	115376
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.4	23.0
179	15.6	12.2	18.2





#75

Fluoranthene

Concen: 9.758 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116675.D

Acq: 31 Aug 2019 2:52

Instrument :

BNA_F

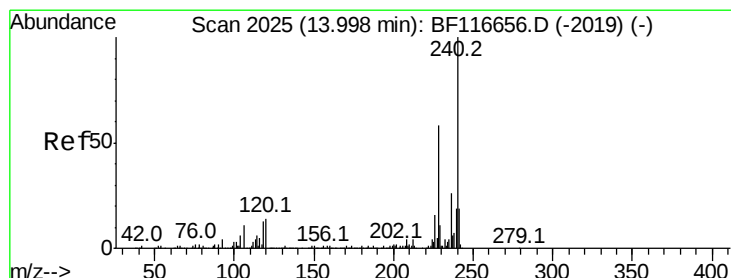
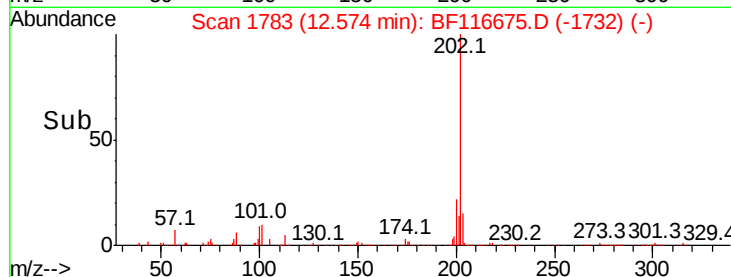
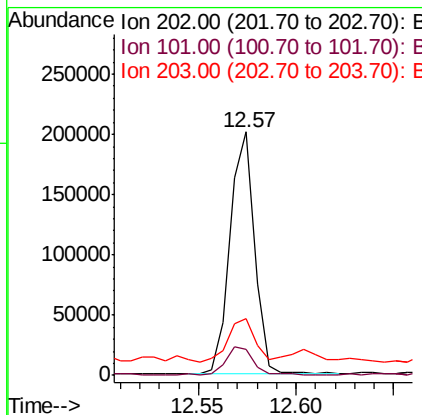
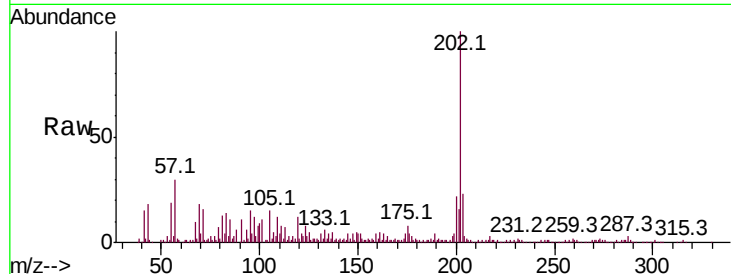
ClientSampleId :

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.3
203	23.2	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

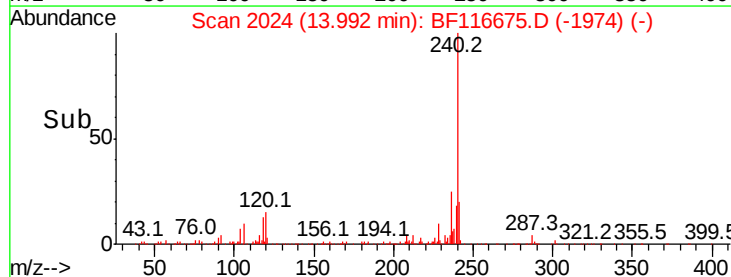
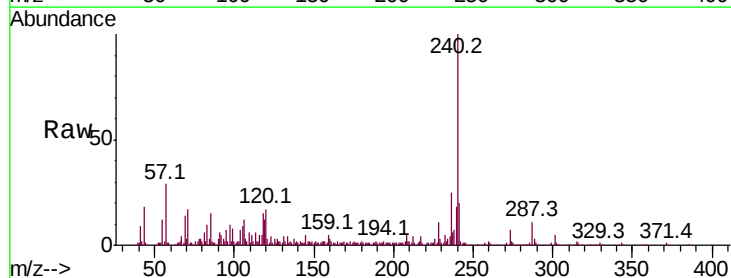
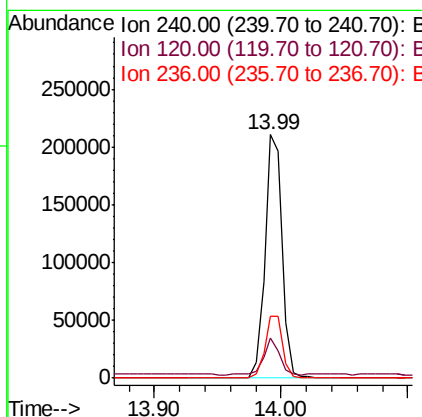
RT: 13.99 min Scan# 2024

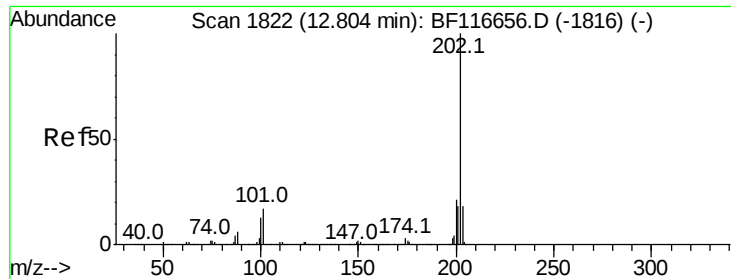
Delta R.T. -0.01 min

Lab File: BF116675.D

Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.7	9.1	13.7#
236	25.5	21.1	31.7





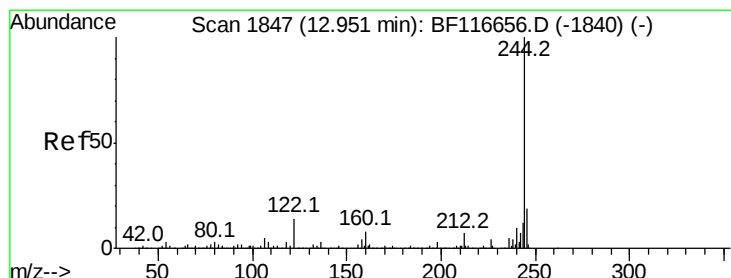
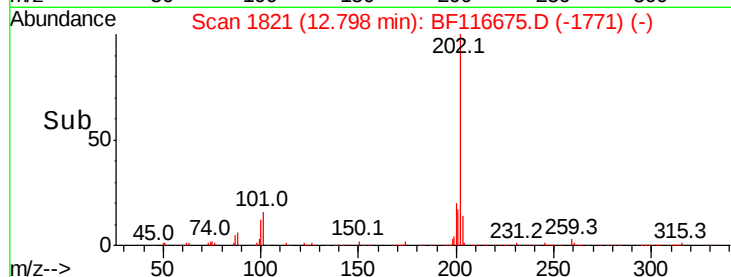
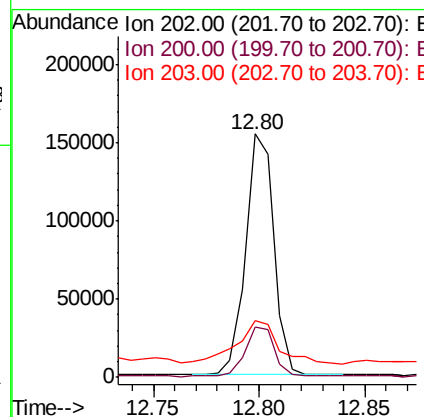
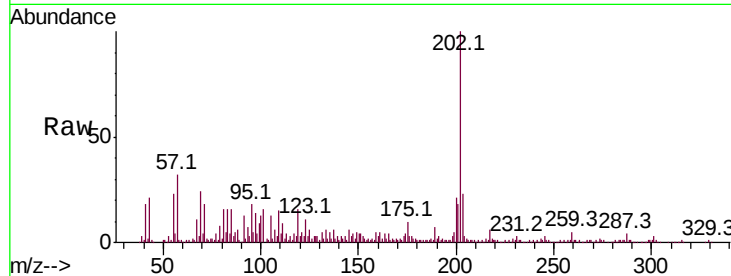
#78
Pvrene
Concen: 8.023 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.5	24.7
203	23.5	13.7	20.5

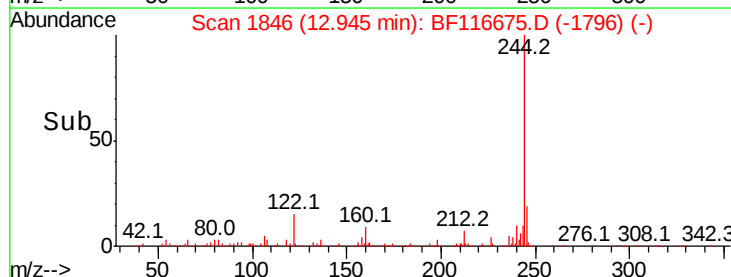
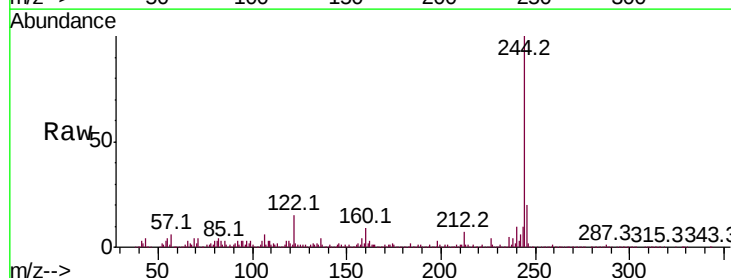
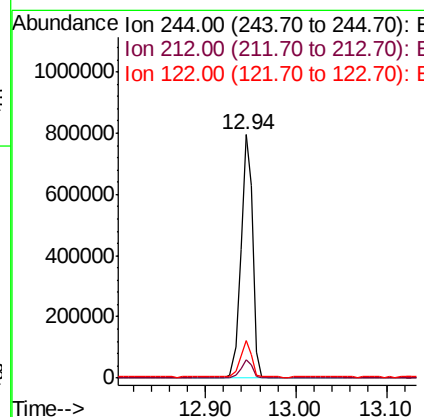
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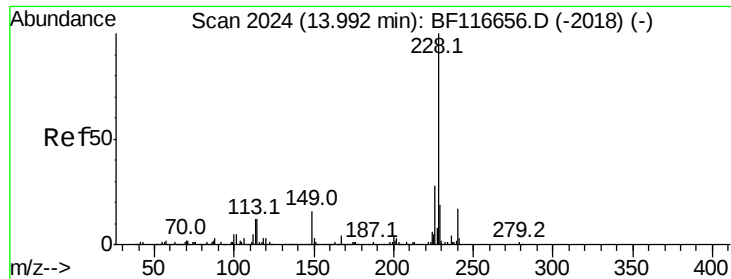
mohammad
8/31/2019 2:45:32 PM



#79
Terphenyl-d14
Concen: 67.016 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.1	9.1
122	15.2	10.2	15.4





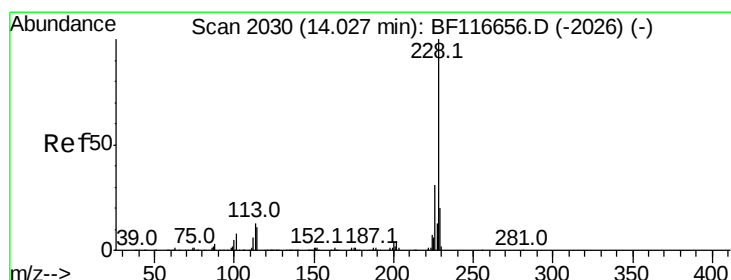
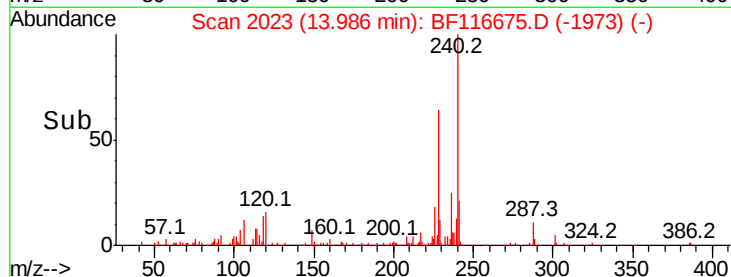
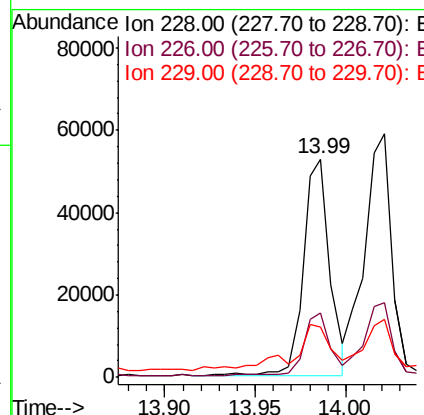
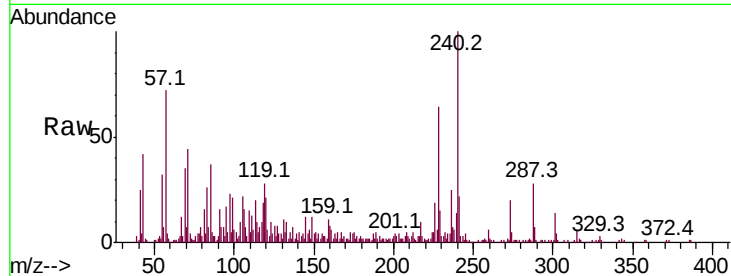
#81
Benzo(a)anthracene
Concen: 4.250 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.0	33.0
229	22.9	16.4	24.6

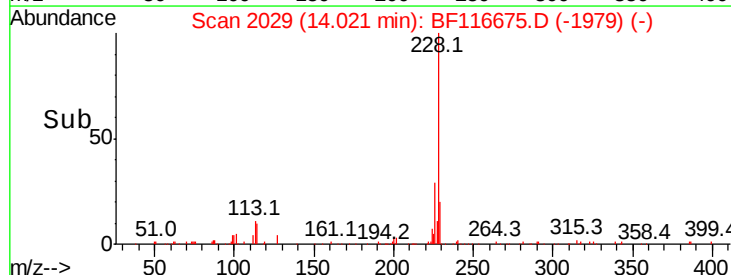
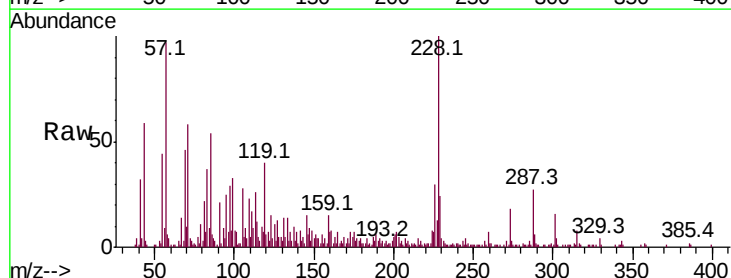
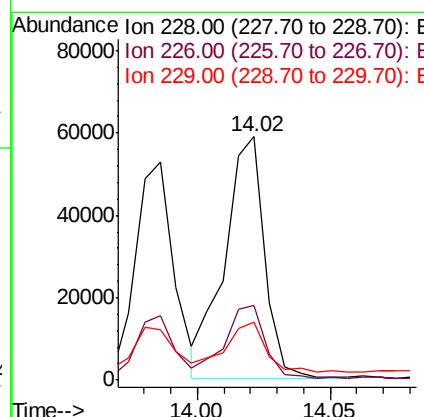
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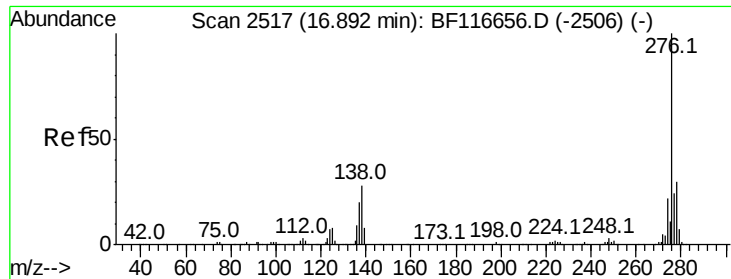
mohammad
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#83
Chrysene
Concen: 4.781 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	23.8	15.4	23.0





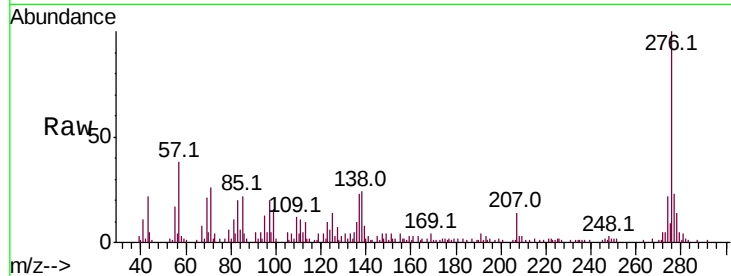
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.344 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	24.6	19.4	29.2	
277	24.7	20.5	30.7	

Manual Integrations
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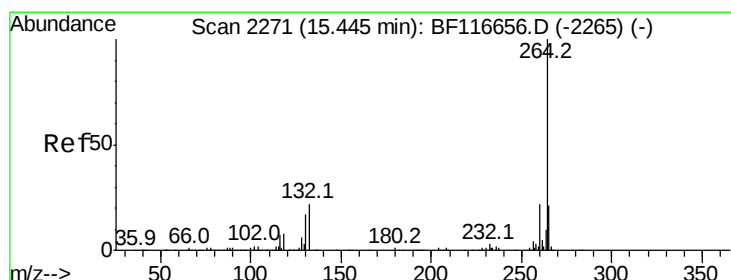
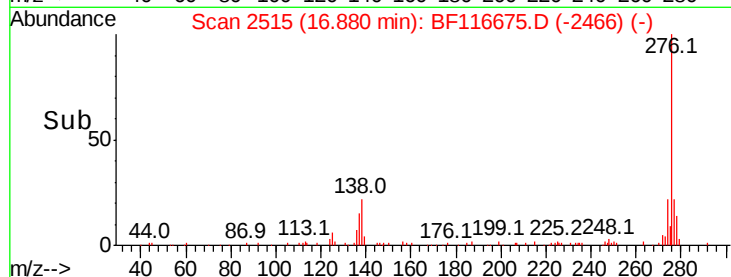
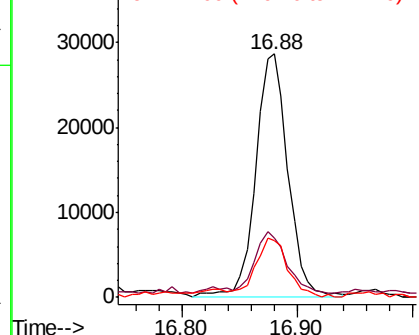


Abundance

Ion 276.00 (275.70 to 276.70): E

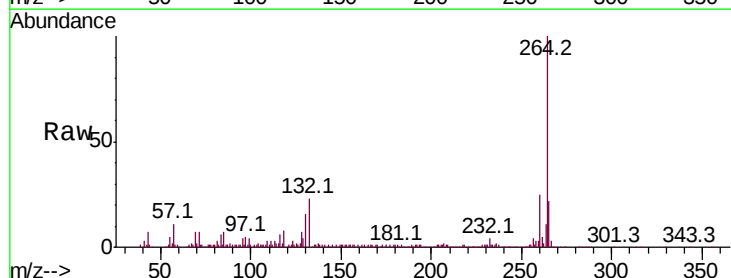
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	18.3	27.5	
265	22.5	16.5	24.7	

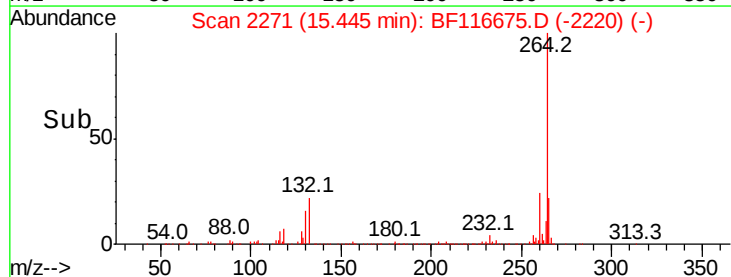
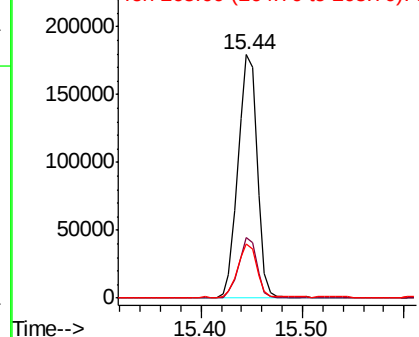


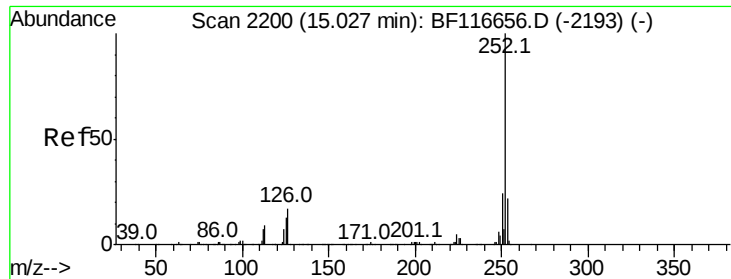
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





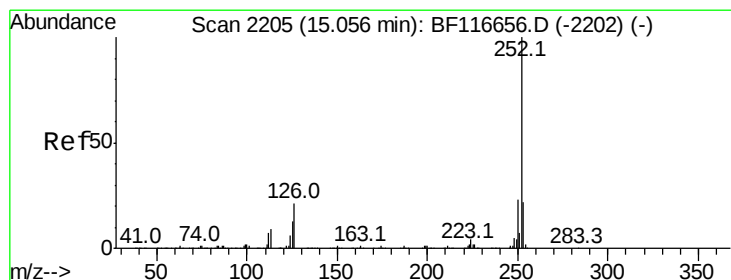
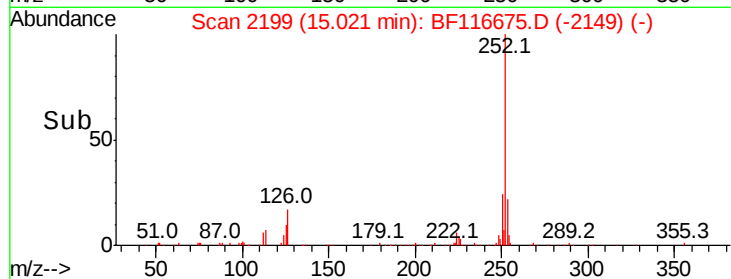
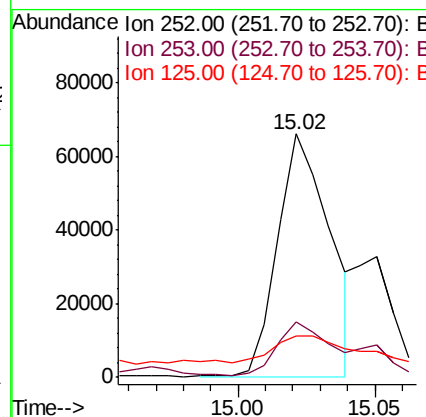
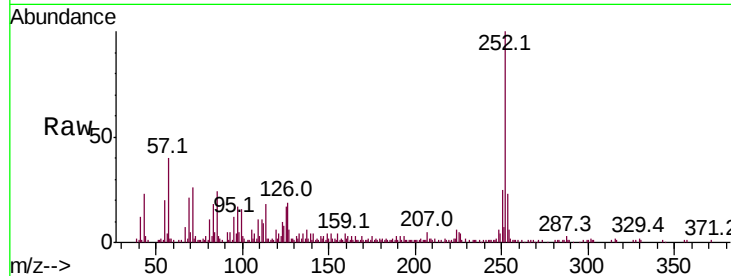
#88
Benzo(b)fluoranthene
Concen: 6.155 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	17.2	8.2	12.2

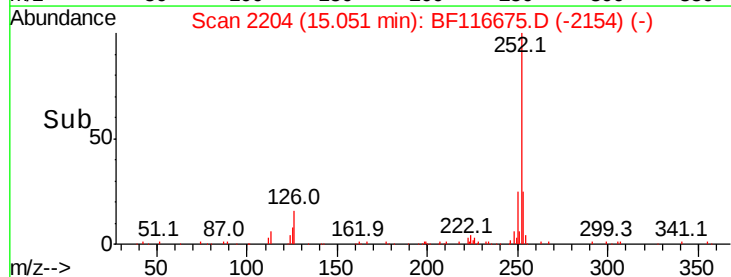
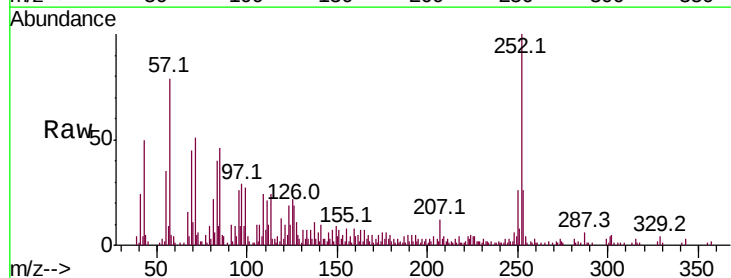
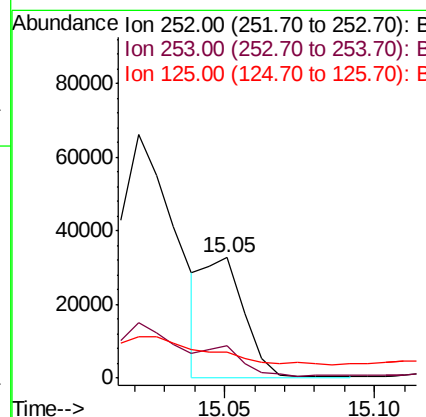
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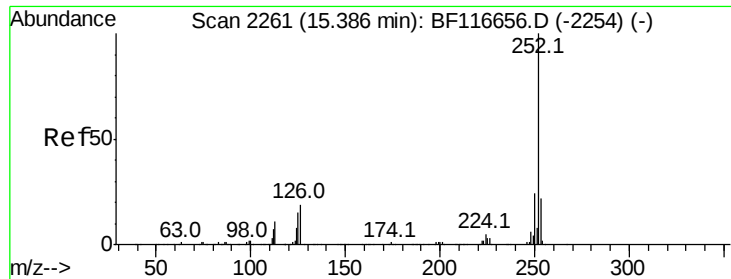
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.383 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.7	26.5
125	21.7	8.6	13.0





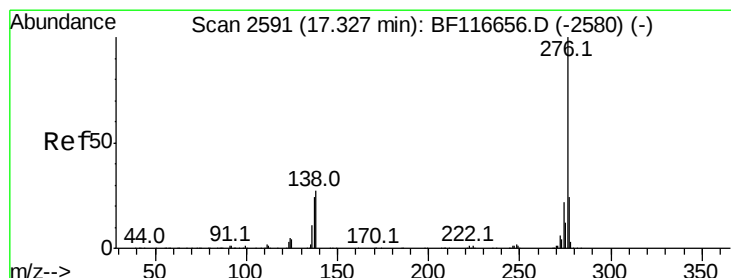
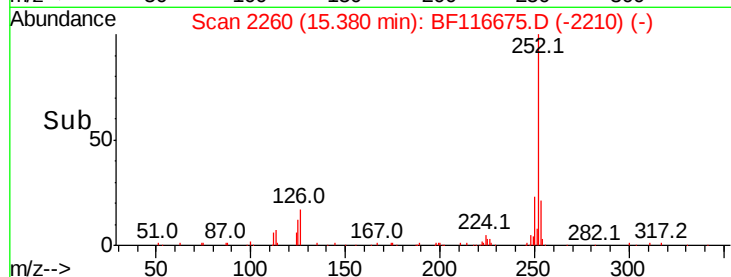
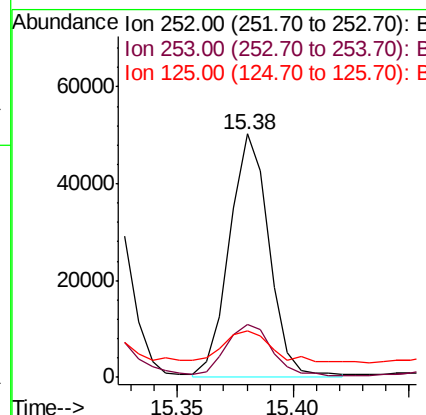
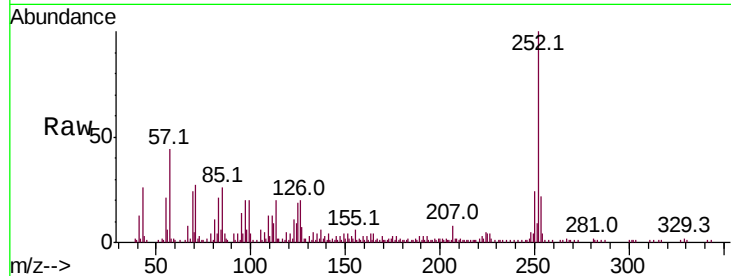
#90
Benzo(a)pyrene
Concen: 4.826 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	19.3	9.8	14.8#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.079 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.02 min
Lab File: BF116675.D
Acq: 31 Aug 2019 2:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	29.1	16.2	24.2#

