

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116679.D
 Acq On : 31 Aug 2019 4:40
 Operator : HP/JU
 Sample : K4517-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-E

Manual Integrations
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mohammad
 8/31/2019 2:45:39 PM

Quant Time: Aug 31 06:49:53 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	111384	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	438410	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	223609	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	335431	20.00	ng	0.00
76) Chrysene-d12	13.99	240	224580	20.00	ng	0.00
87) Perylene-d12	15.44	264	258290	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	831702	120.97	ng	0.00
7) Phenol-d6	6.48	99	1149585	127.33	ng	0.00
23) Nitrobenzene-d5	7.40	82	739338	96.27	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	197501	132.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1098081	82.84	ng	0.00
79) Terphenyl-d14	12.95	244	945333	77.87	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	42004	4.202	ng	94
50) Dimethylphthalate	9.59	163	121633	7.879	ng	98
71) Phenanthrene	11.39	178	42200	2.260	ng	# 87
75) Fluoranthene	12.57	202	107520	5.859	ng	96
78) Pyrene	12.80	202	90713m	4.544	ng	
81) Benzo(a)anthracene	13.98	228	38172	2.686	ng	97
83) Chrysene	14.02	228	52097m	3.558	ng	
84) Bis(2-ethylhexyl)phthalate	13.98	149	47532	3.966	ng	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	33501	2.848	ng	# 91
88) Benzo(b)fluoranthene	15.02	252	76268m	4.884	ng	
90) Benzo(a)pyrene	15.38	252	44872	3.303	ng	# 91
92) Benzo(a,h,i)perylene	17.31	276	32553	2.684	ng	# 93

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

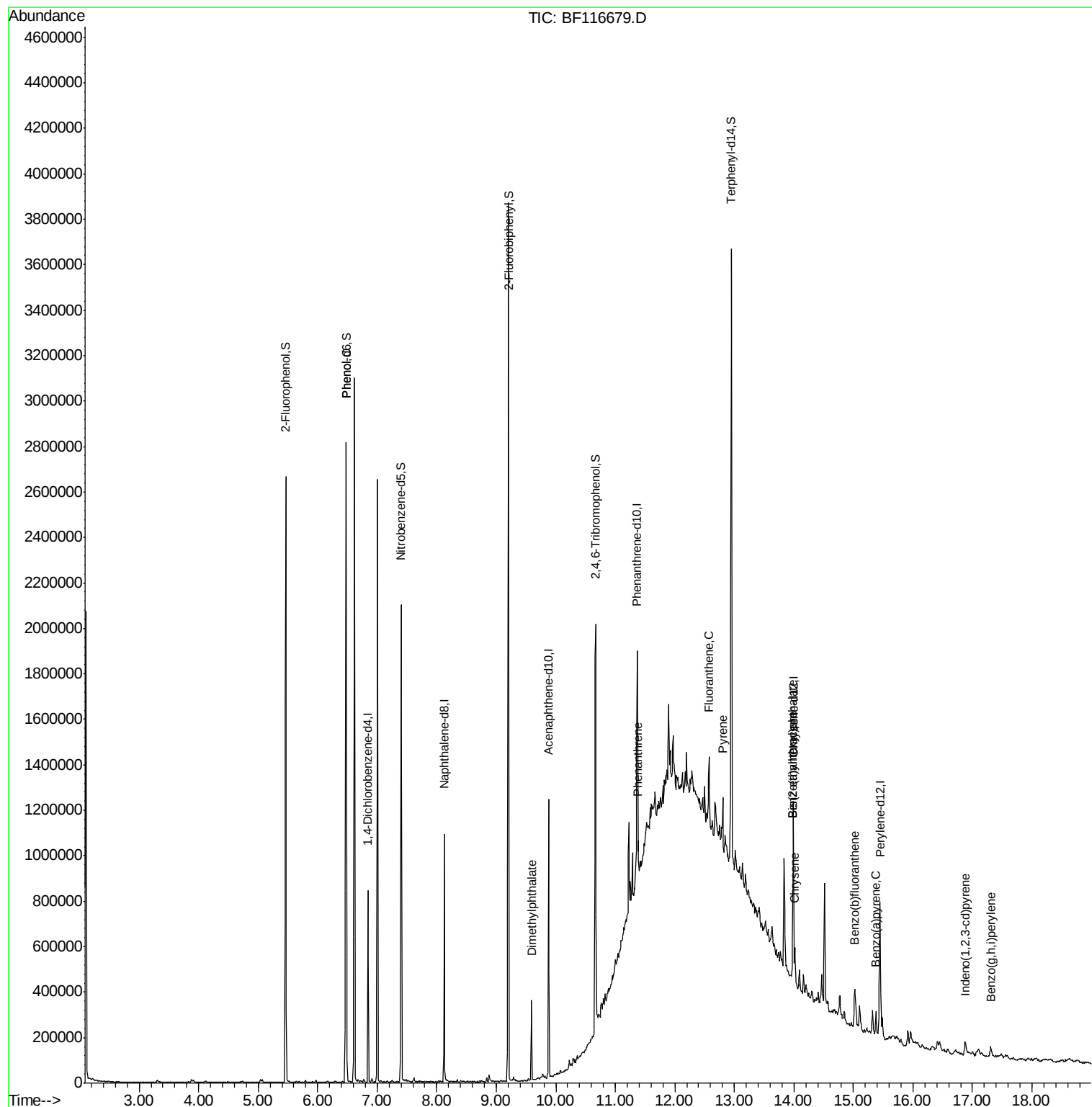
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116679.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

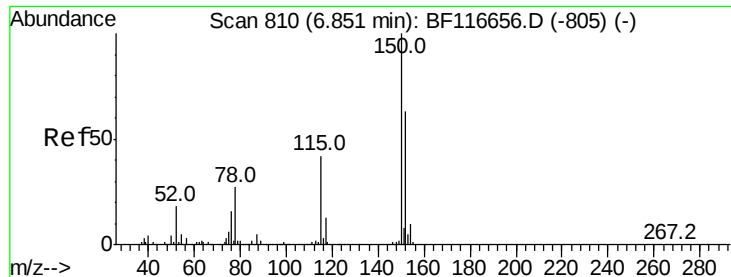
Instrument :
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ClientSampleId :
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#1

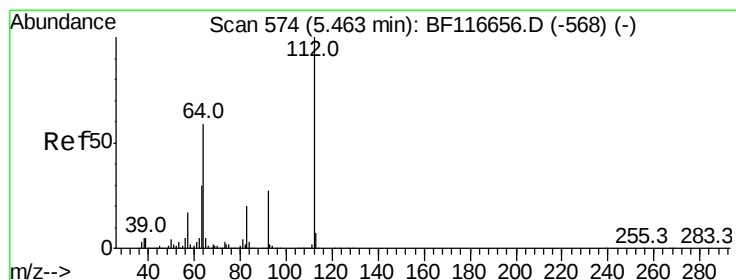
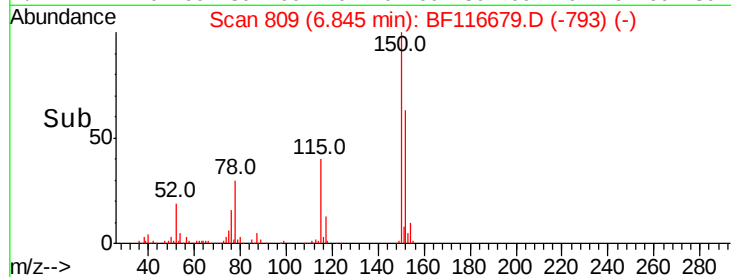
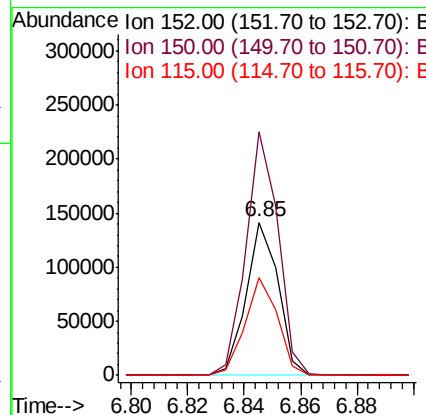
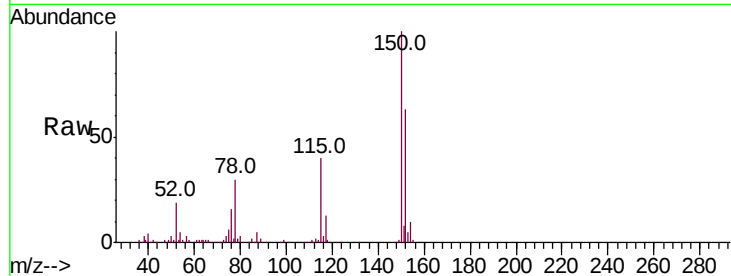
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :
T4-S-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.4	186.6
115	63.9	49.9	74.9

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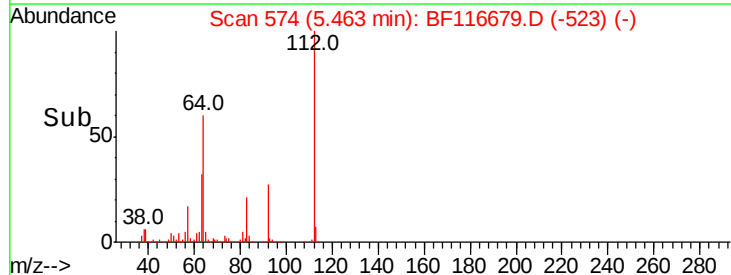
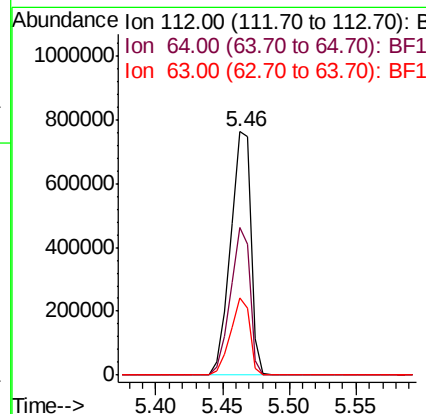
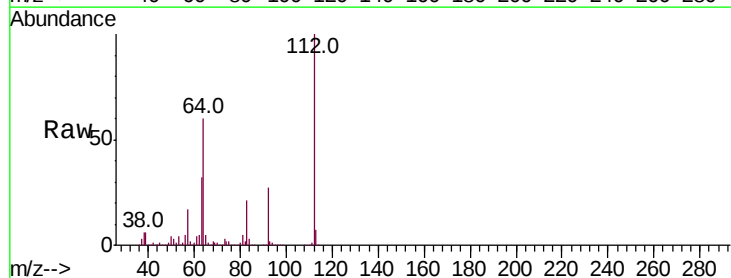
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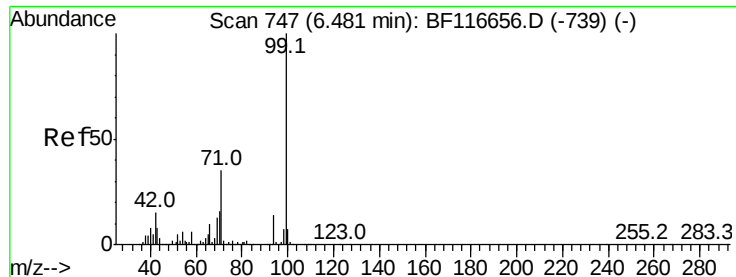


#5

2-Fluorophenol
Concen: 120.969 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.1	70.7
63	31.6	24.9	37.3





#7

Phenol-d6

Concen: 127.335 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

ClientSampled :

T4-S-E

Tot Ion: 99 Resp: 1149585

Ion Ratio Lower Upper

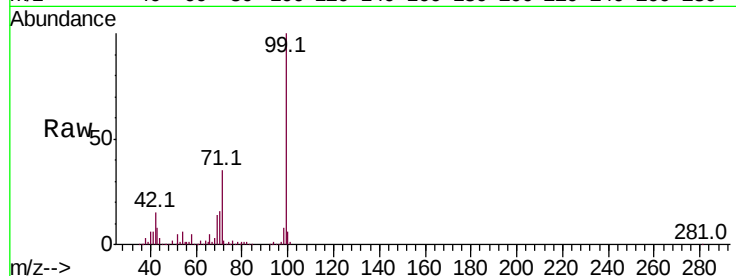
99 100

42 15.2 13.7 20.5

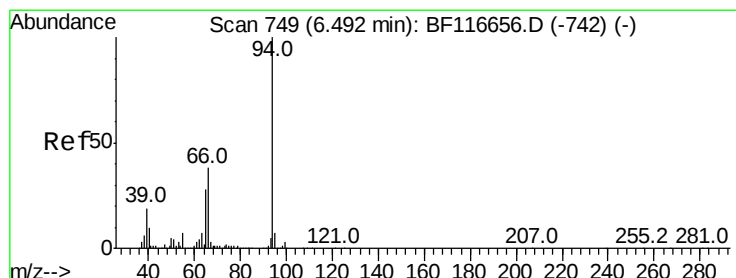
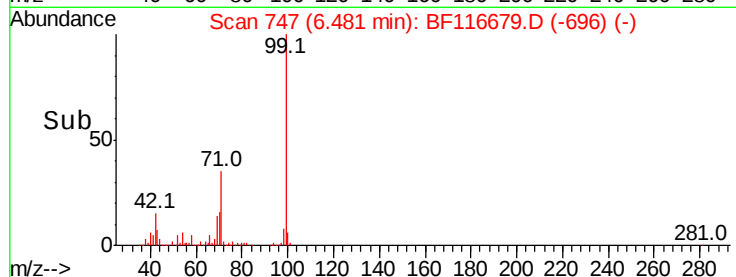
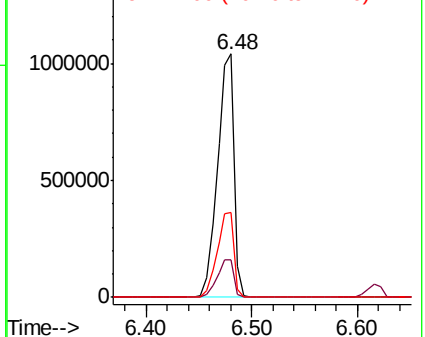
71 35.1 30.8 46.2

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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: 4.202 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

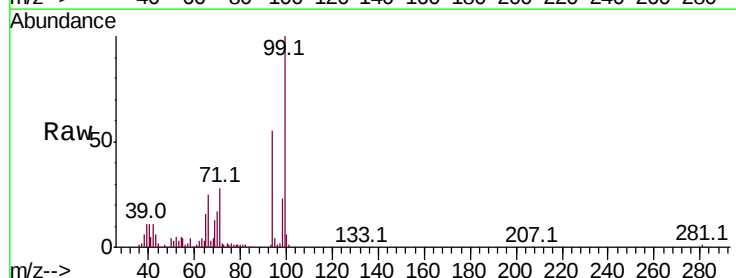
Tgt Ion: 94 Resp: 42004

Ion Ratio Lower Upper

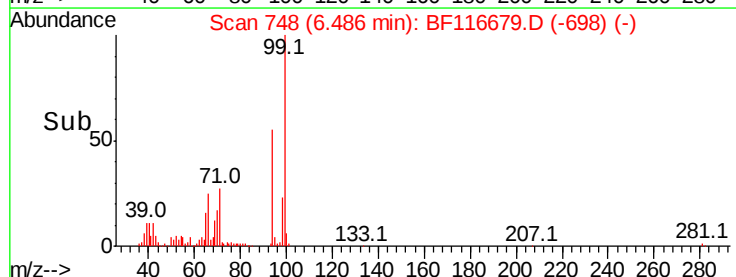
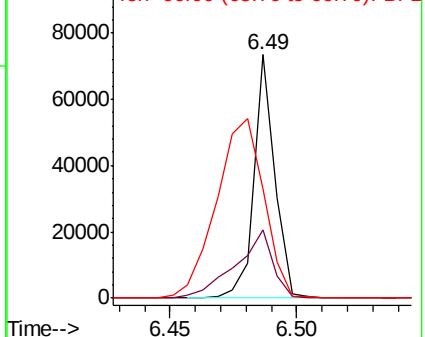
94 100

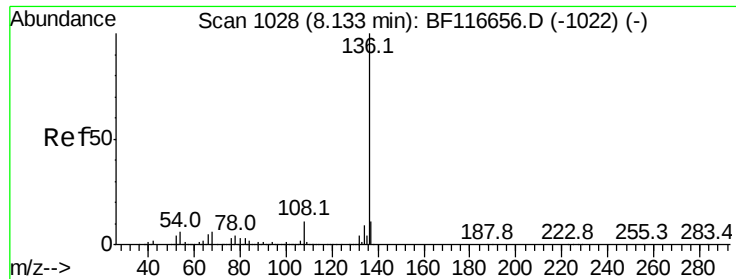
65 28.2 10.8 50.8

66 44.9 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





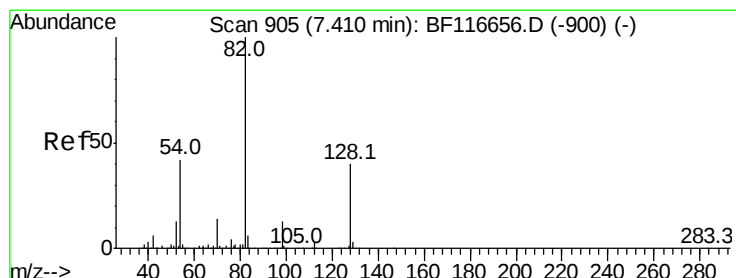
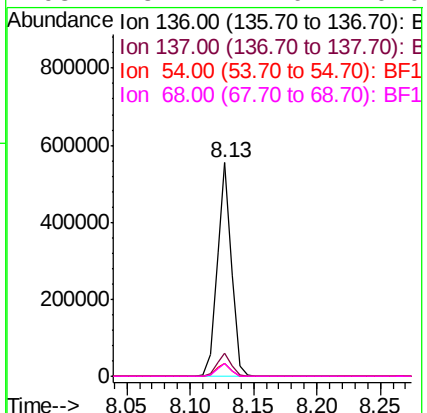
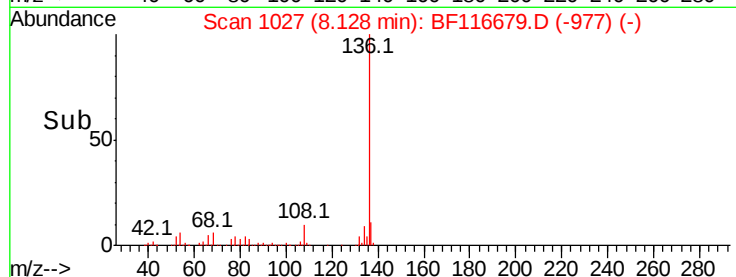
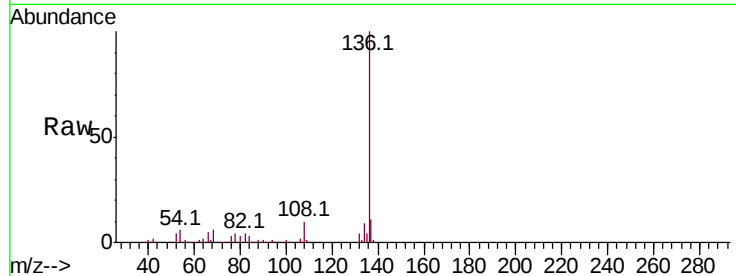
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :
T4-S-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		438410		
137	10.5		8.9	13.3	
54	6.0		4.8	7.2	
68	5.7		4.0	6.0	

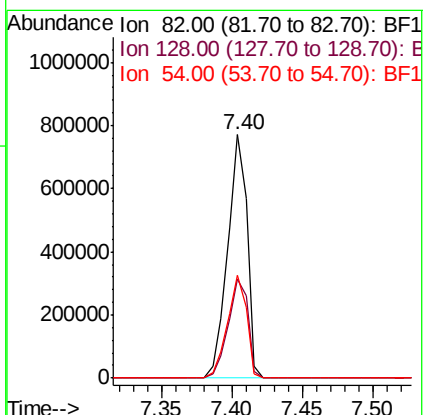
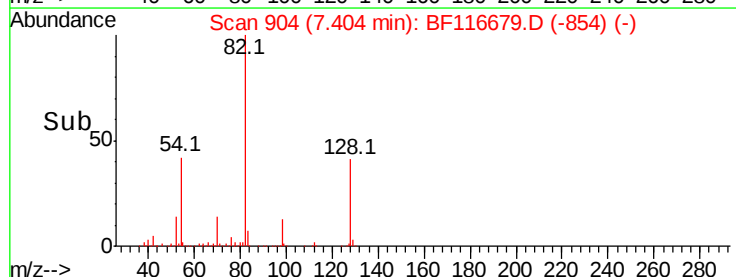
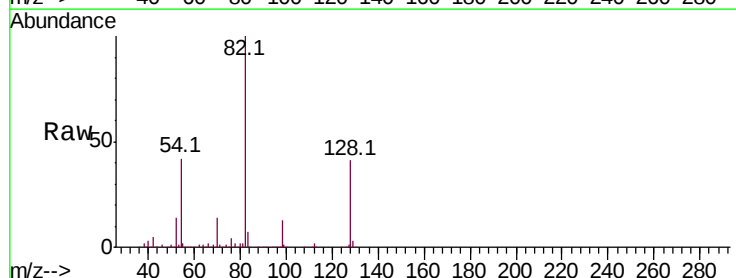
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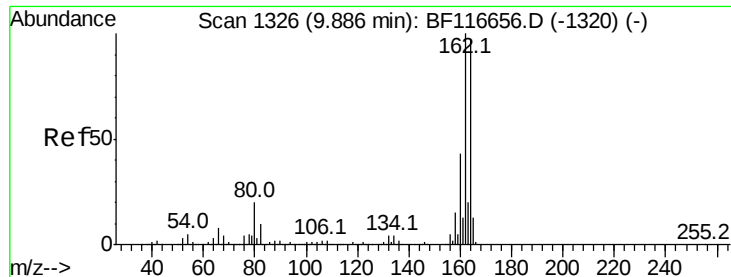
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#23
Nitrobenzene-d5
Concen: 96.273 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		739338		
128	40.7		32.8	49.2	
54	42.3		36.9	55.3	





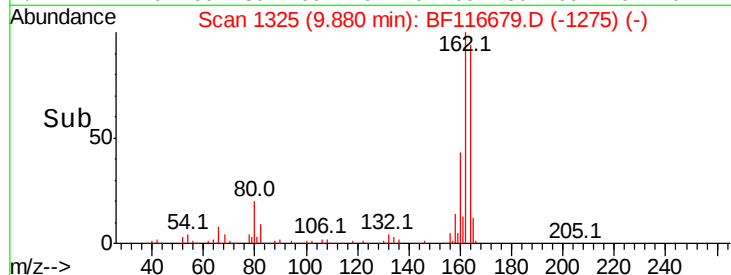
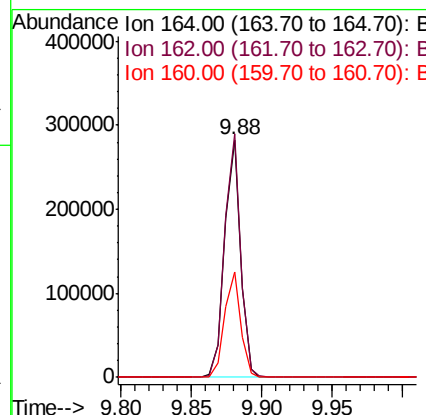
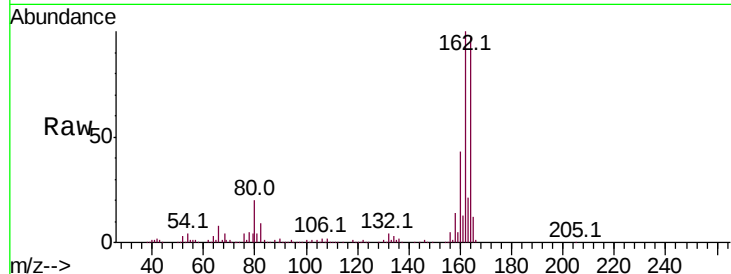
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116679.D
 Acq: 31 Aug 2019 4:40

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-E

Tot Ion	Ratio	Resp	Lower	Upper
164	100	223609		
162	102.6		81.4	122.0
160	44.3		35.4	53.2

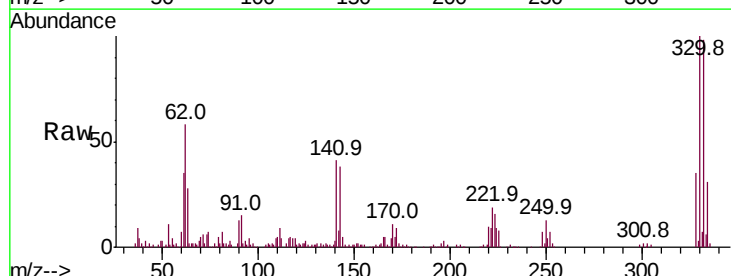
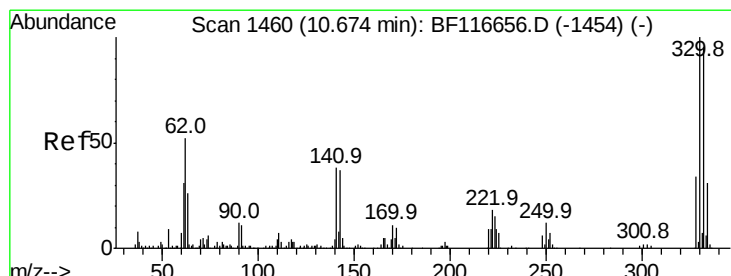
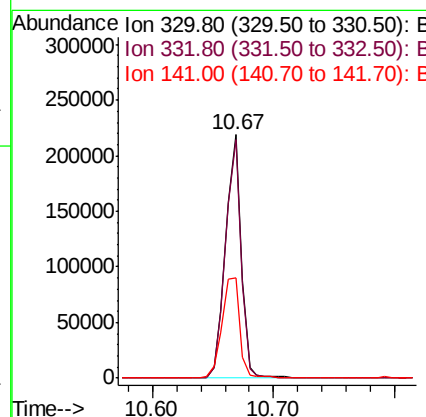
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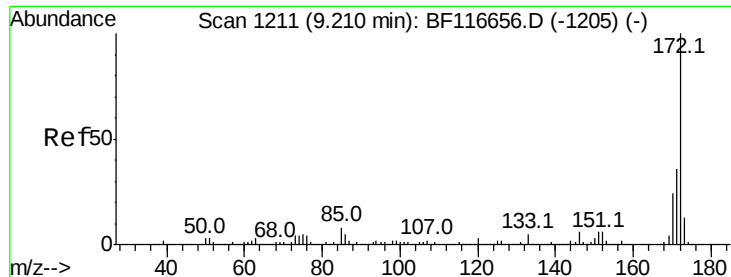
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#42
 2,4,6-Tribromophenol
 Concen: 132.119 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116679.D
 Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	197501		
332	97.5		76.9	115.3
141	45.7		31.4	47.2





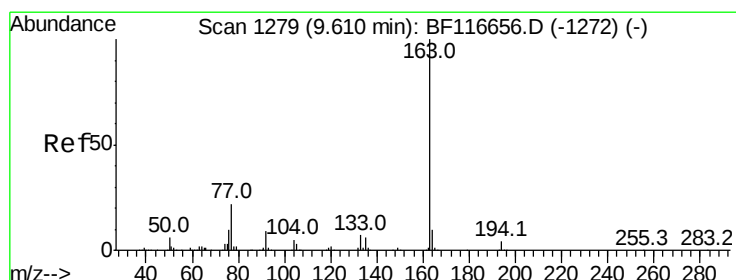
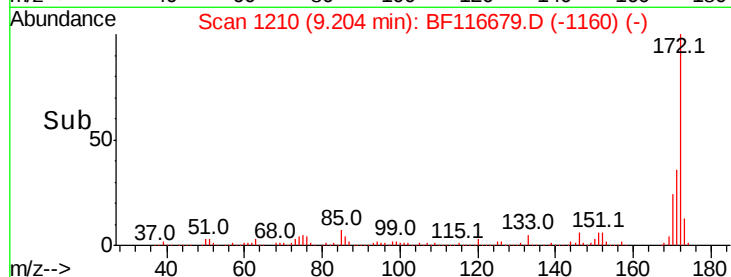
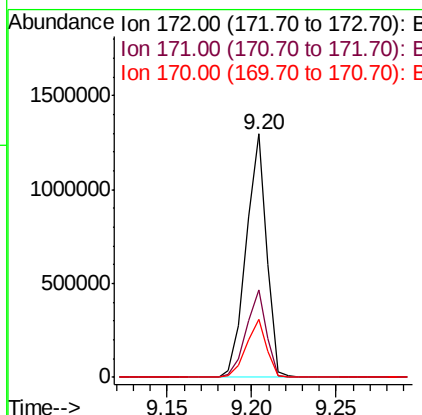
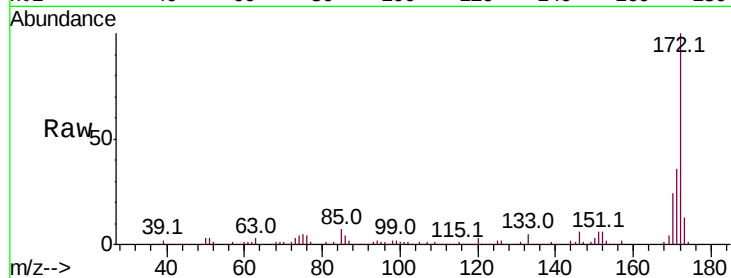
#45
2-Fluorobiphenyl
Concen: 82.839 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :
T4-S-E

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	23.9	18.9	28.3

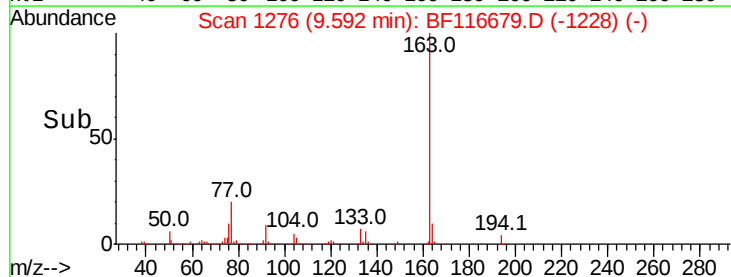
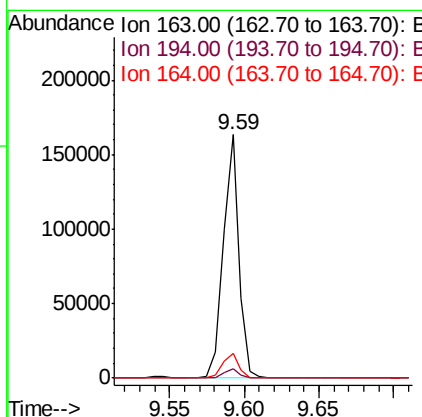
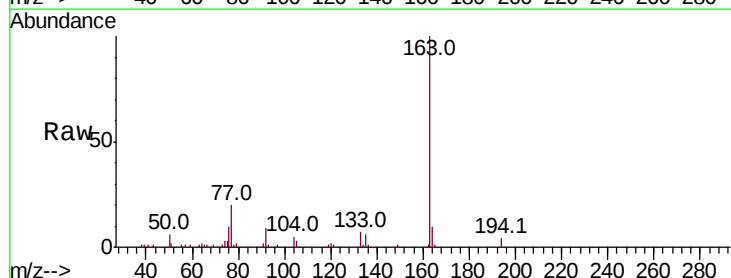
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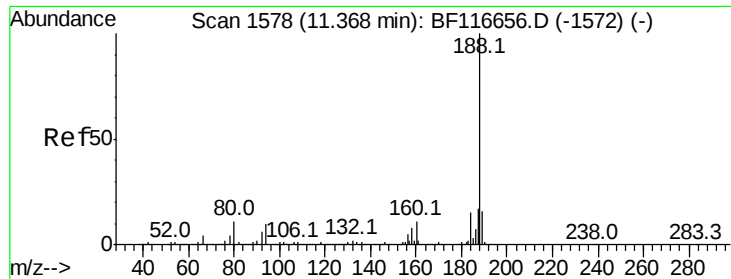
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#50
Dimethylphthalate
Concen: 7.879 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.9	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: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

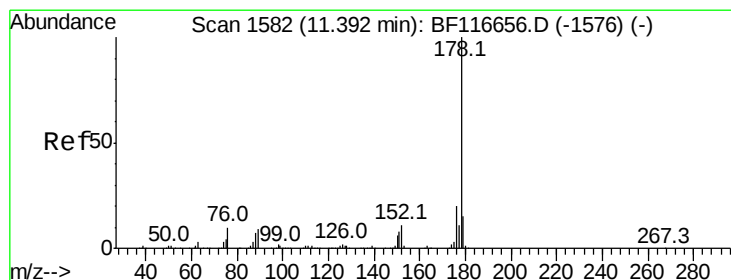
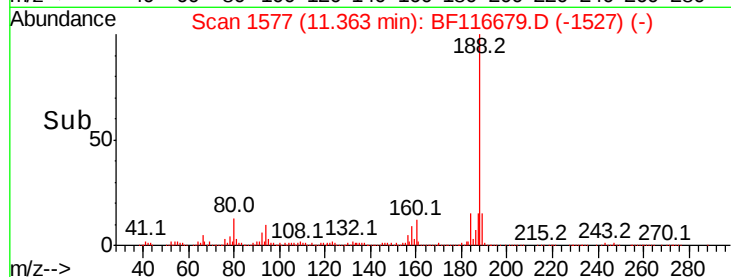
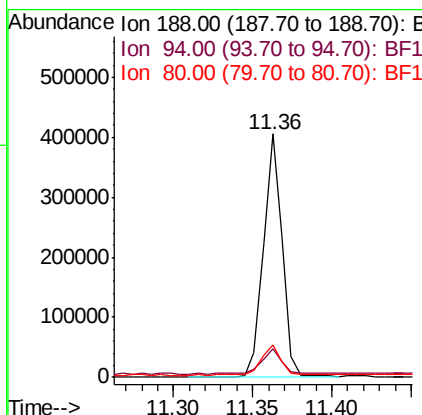
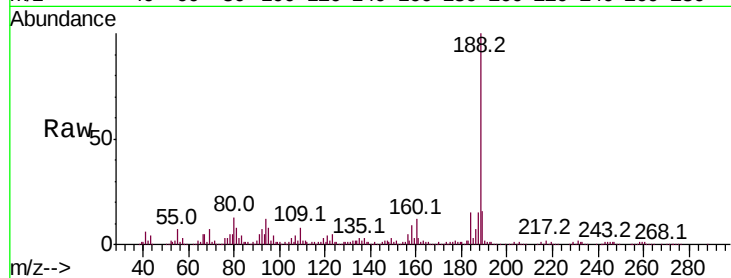
ClientSampled :

T4-S-E

Tot Ion:	188	Resp:	335431
Ion Ratio	Lower	Upper	
188	100		
94	11.5	7.3	10.9#
80	13.4	8.4	12.6#

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#71

Phenanthrene

Concen: 2.260 ng

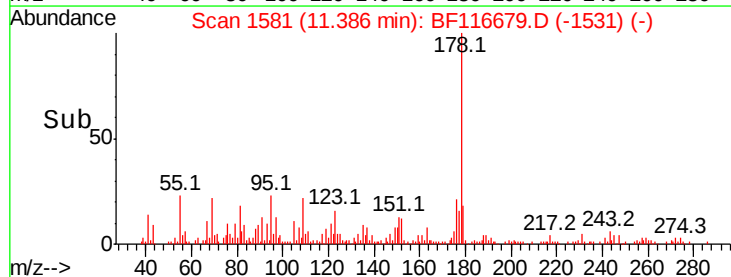
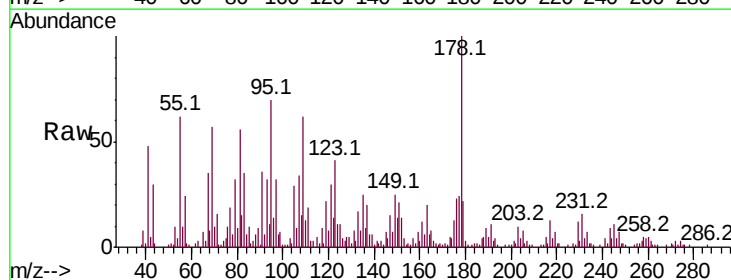
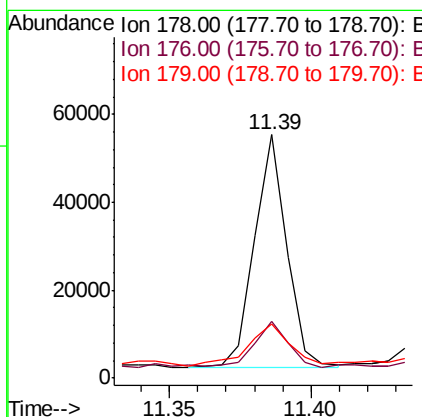
RT: 11.39 min Scan# 1581

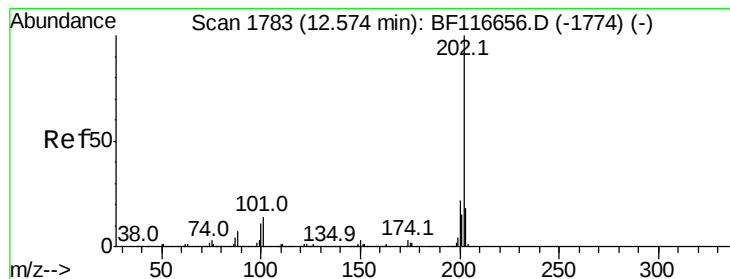
Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Tgt Ion:	178	Resp:	42200
Ion Ratio	Lower	Upper	
178	100		
176	23.5	15.4	23.0#
179	22.5	12.2	18.2#





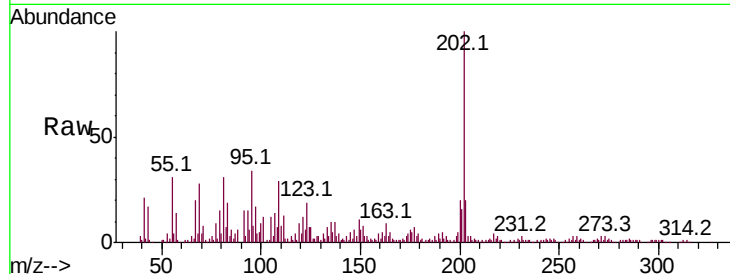
#75
Fluoranthene
Concen: 5.859 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :
T4-S-E

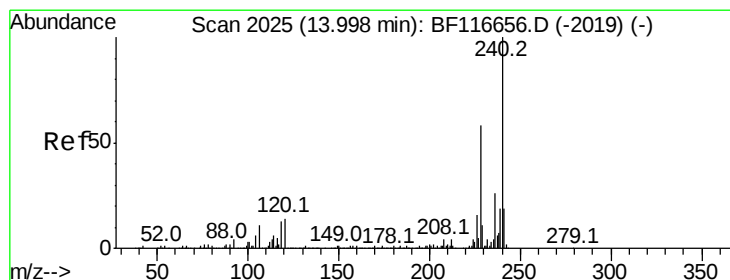
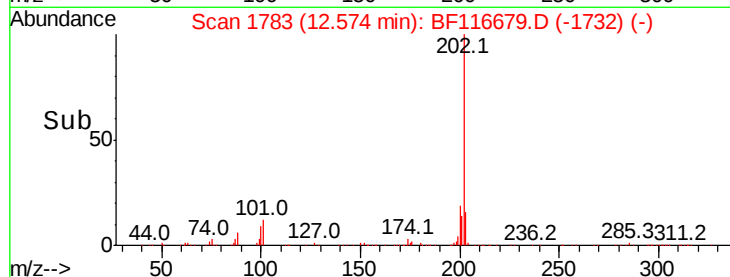
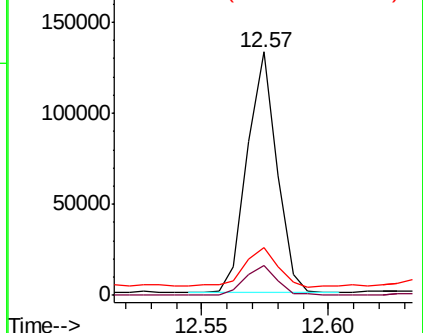
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	31.3
203	19.9	0.0	37.6

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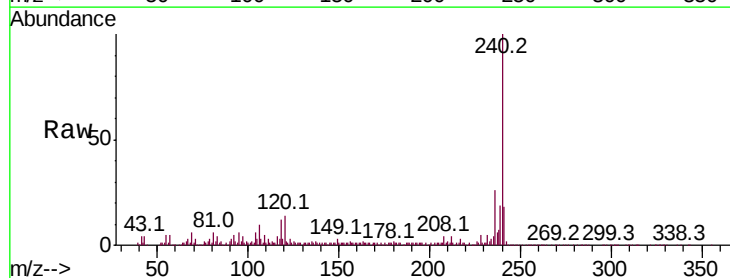


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

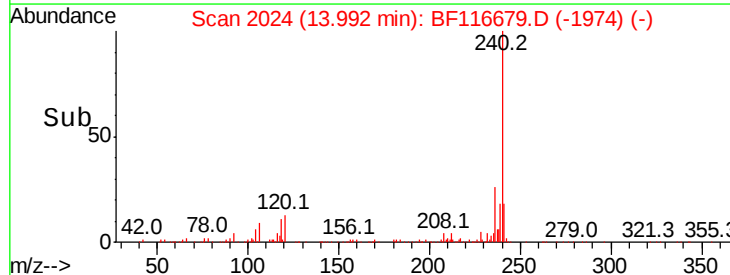
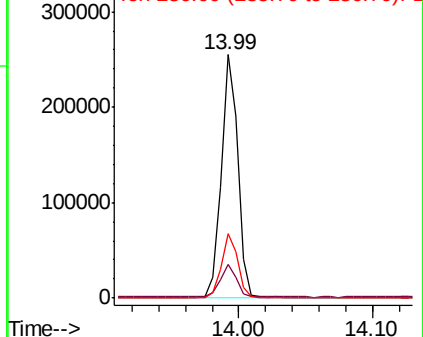


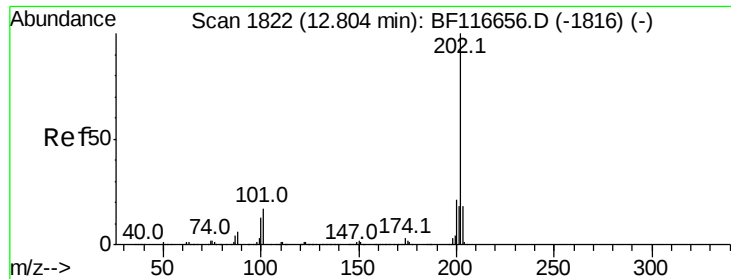
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.6	9.1	13.7
236	26.2	21.1	31.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





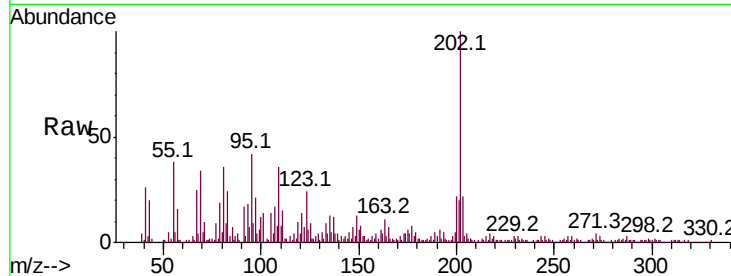
#78
Pvrene
Concen: 4.544 ng/mL
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :
T4-S-E

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	22.3	13.7	20.5

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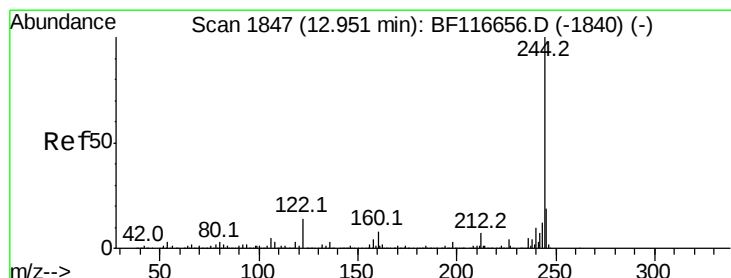
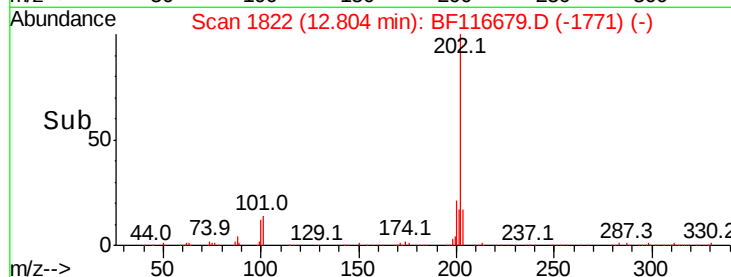
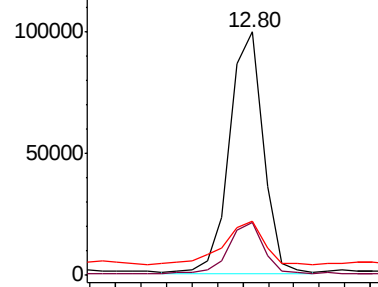


Abundance

Ion 202.00 (201.70 to 202.70): E

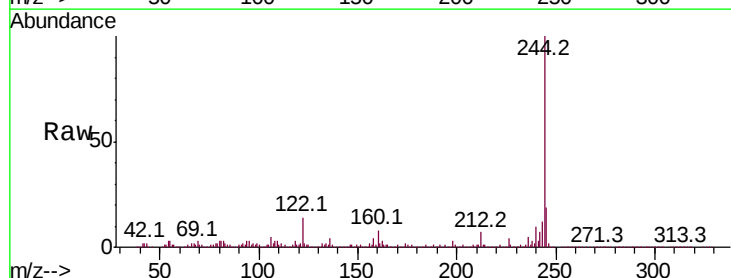
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 77.870 ng/mL
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	13.9	10.2	15.4

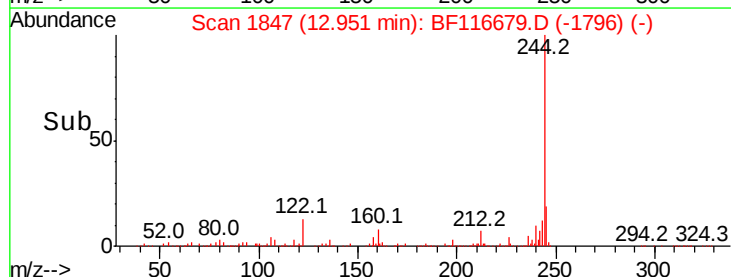
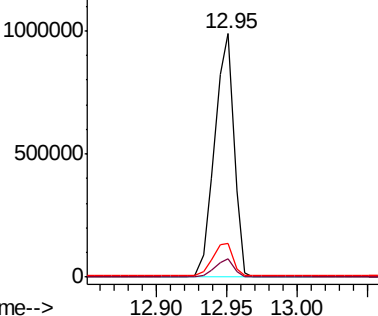


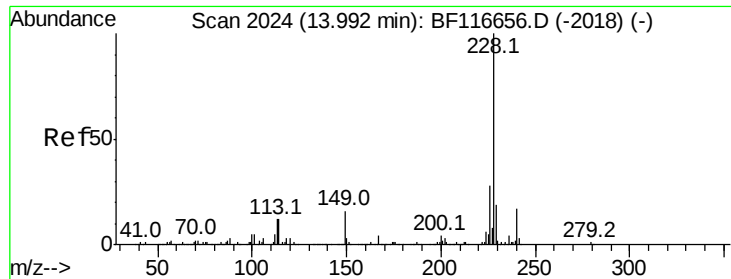
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.686 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

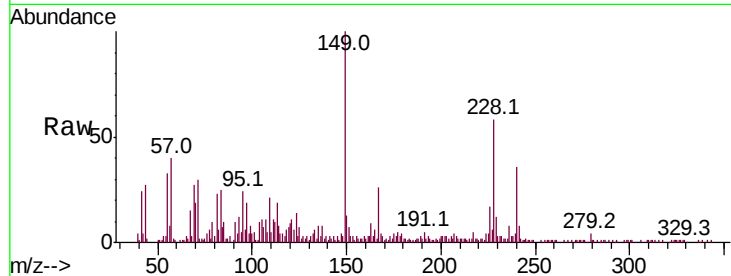
ClientSampleId :

T4-S-E

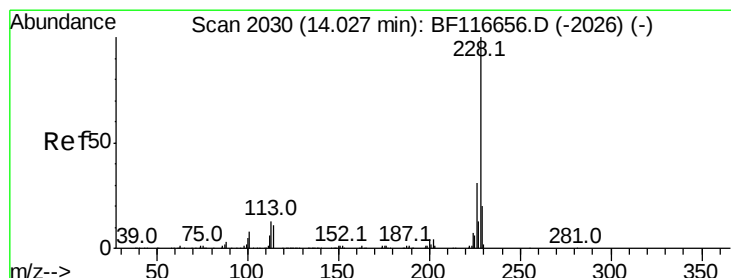
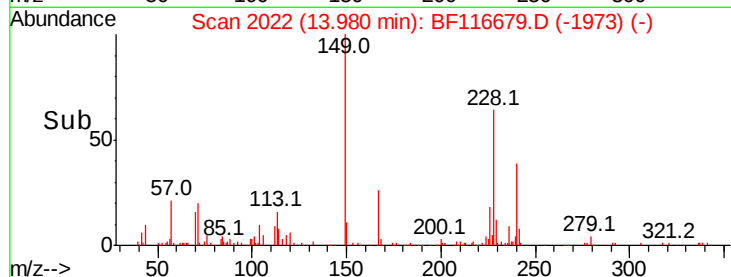
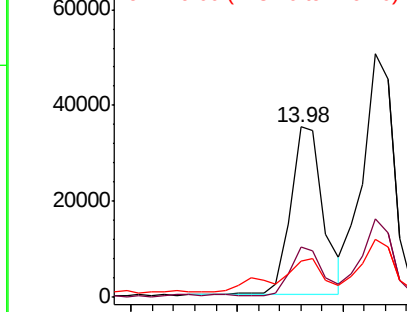
Tot Ion:	228	Resp:	38172
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.0	33.0
229	21.2	16.4	24.6

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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: 3.558 ng m

RT: 14.02 min Scan# 2028

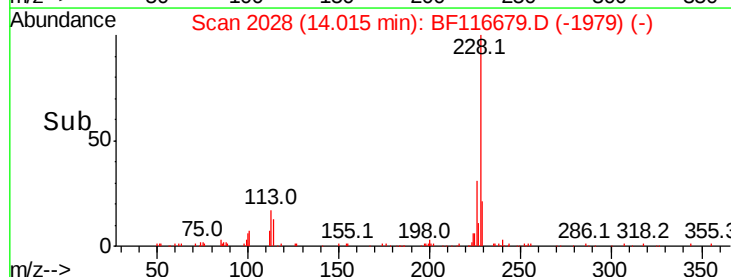
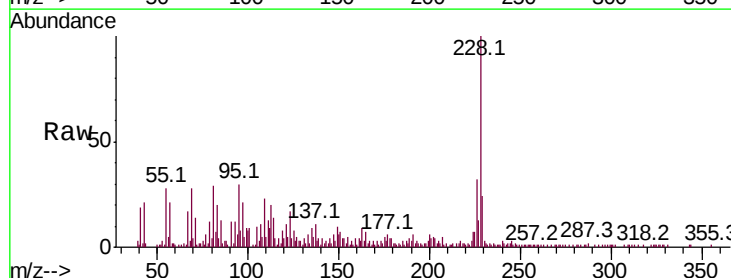
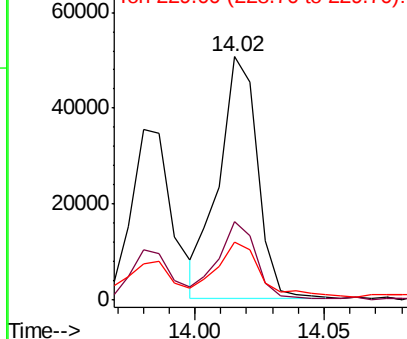
Delta R.T. -0.01 min

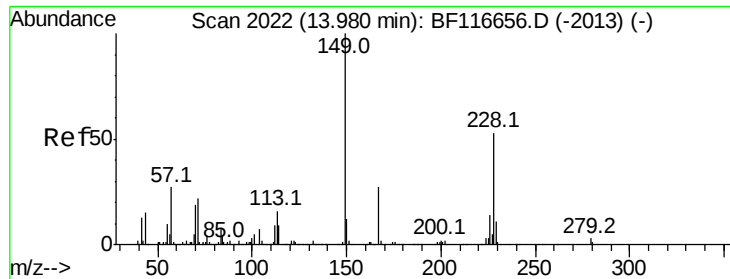
Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Tgt Ion:	228	Resp:	52097
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.0	36.0
229	23.6	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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.966 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

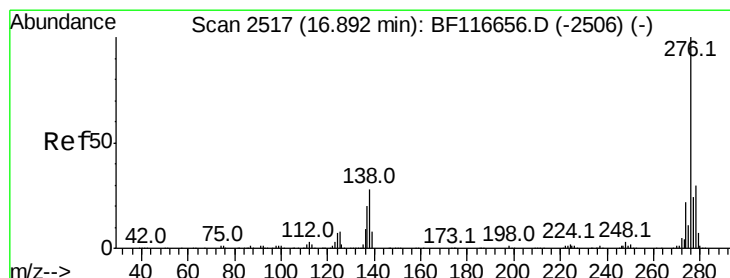
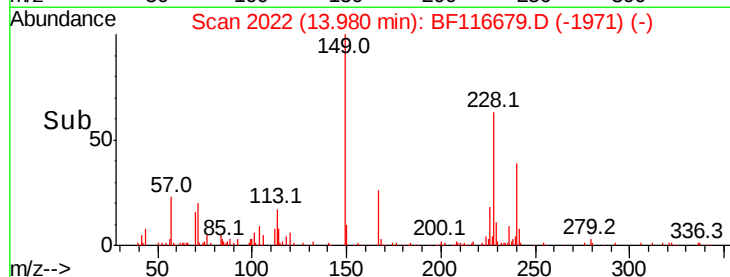
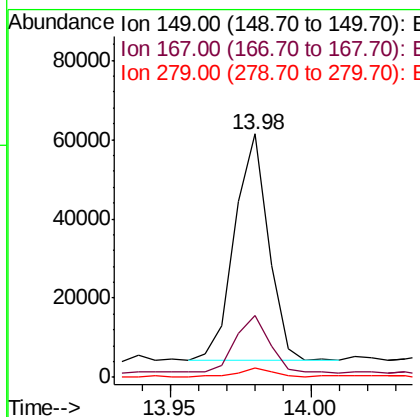
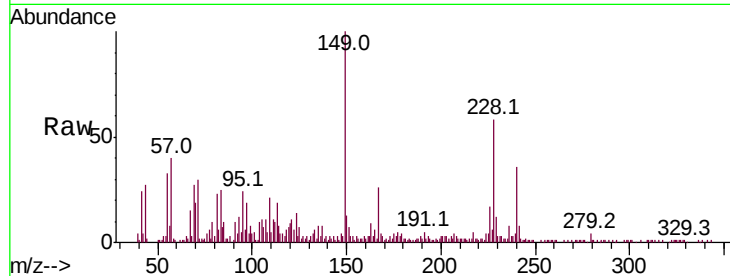
ClientSampleId :

T4-S-E

Tot Ion:	149	Resp:	47532
Ion Ratio	Lower	Upper	
149	100		
167	25.6	21.0	31.4
279	3.9	2.8	4.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.848 ng

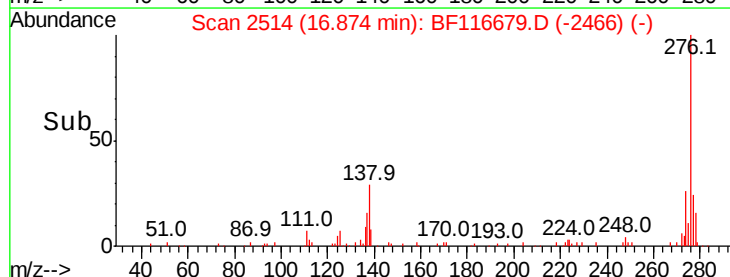
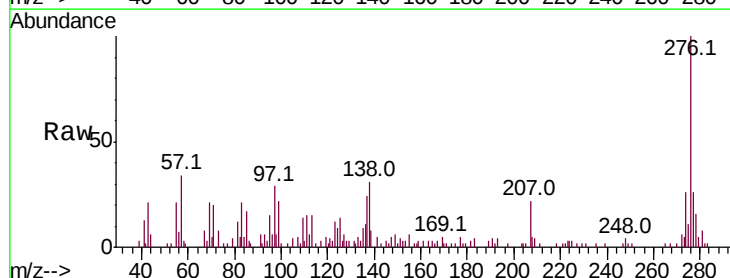
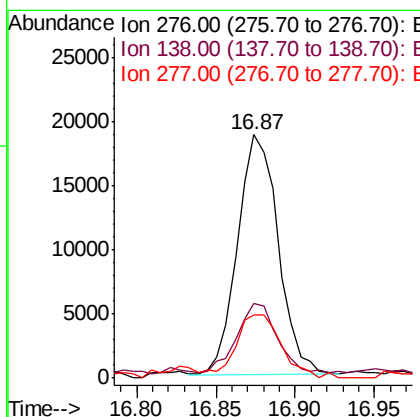
RT: 16.87 min Scan# 2514

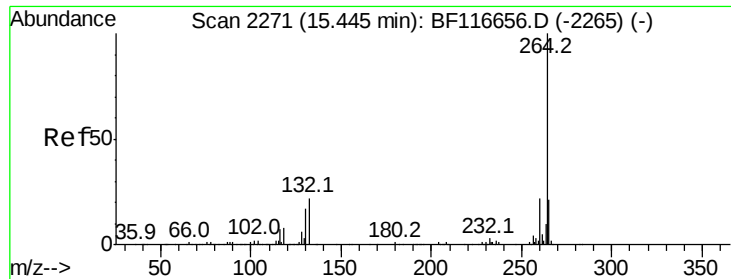
Delta R.T. -0.02 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Tgt Ion:	276	Resp:	33501
Ion Ratio	Lower	Upper	
276	100		
138	29.9	19.4	29.2#
277	28.8	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

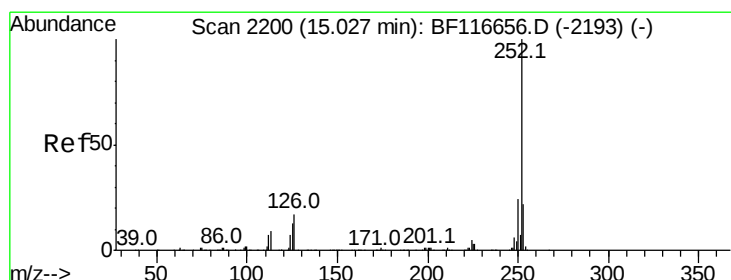
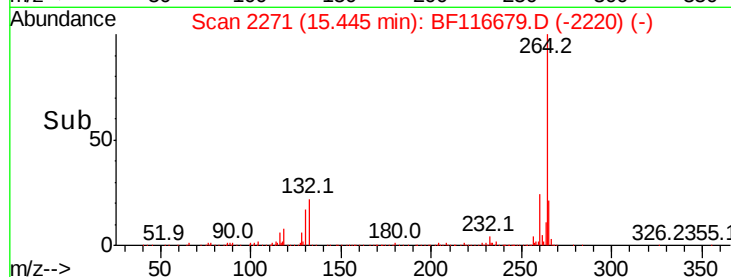
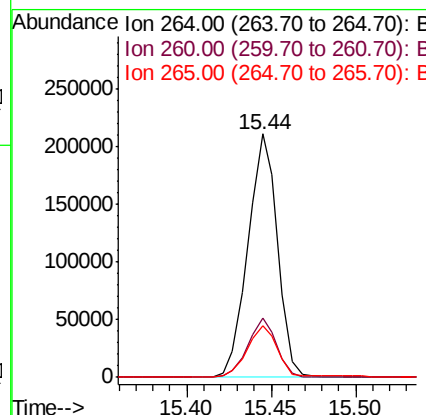
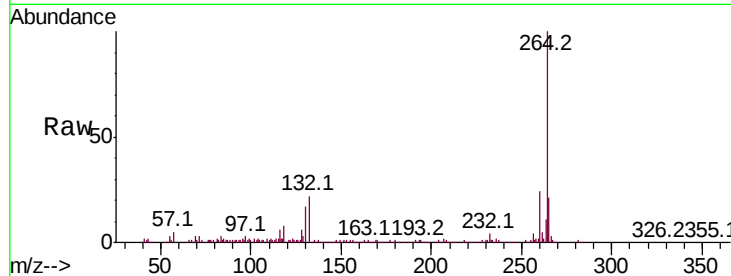
ClientSampleId :

T4-S-E

Tot Ion:	264	Resp:	258290
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.3	27.5
265	21.1	16.5	24.7

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#88

Benzo(b)fluoranthene

Concen: 4.884 ng m

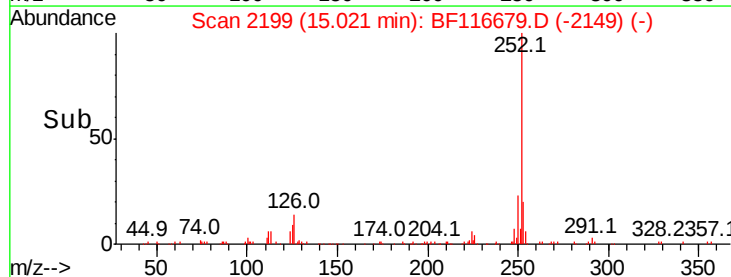
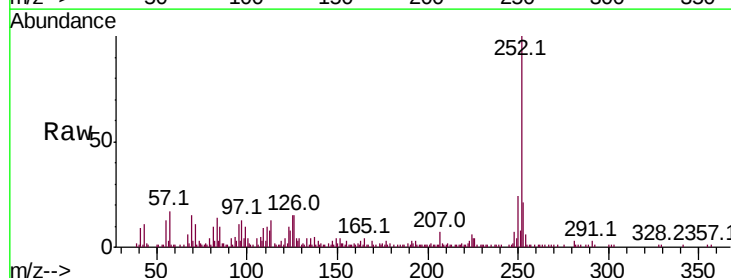
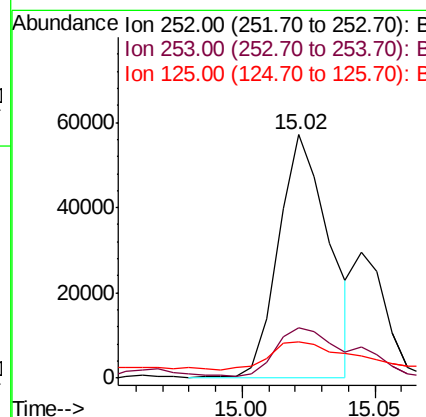
RT: 15.02 min Scan# 2199

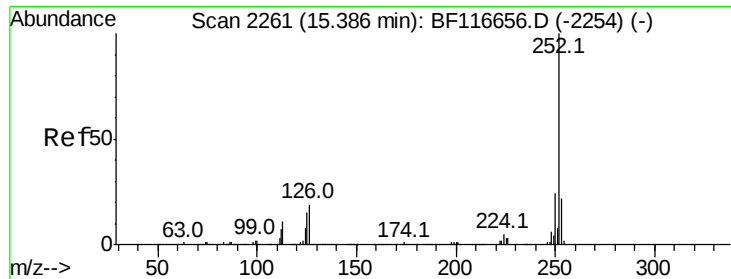
Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Tgt Ion:	252	Resp:	76268
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.7	26.5
125	14.9	8.2	12.2#





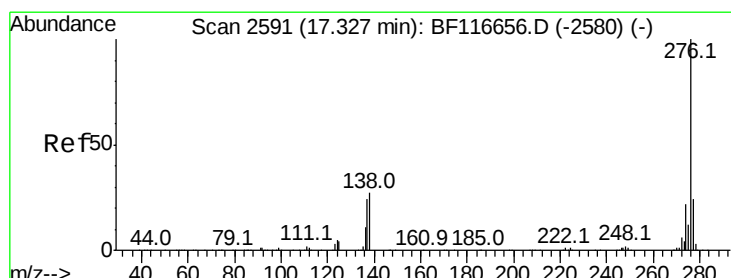
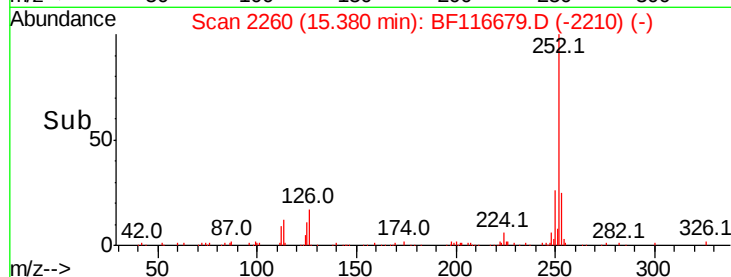
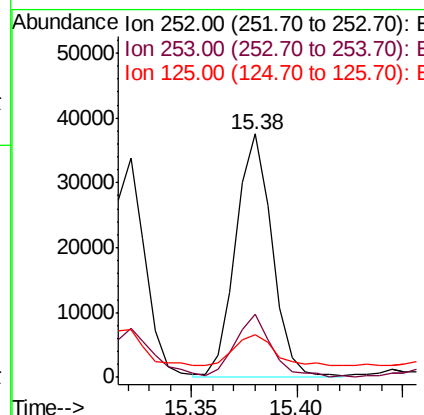
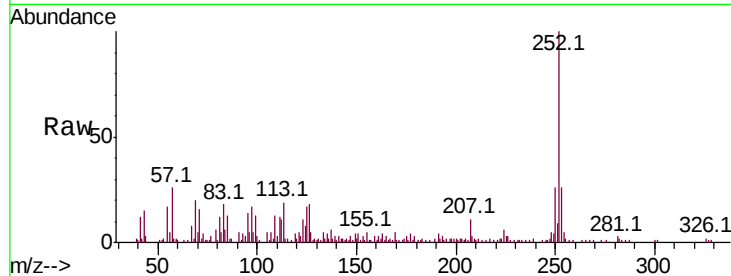
#90
Benzo(a)pyrene
Concen: 3.303 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampled :
T4-S-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	17.3	9.8	14.8

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#92
Benzo(g,h,i)perylene
Concen: 2.684 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.02 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.5	27.7
138	26.6	16.2	24.2

