

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113779.D
 Acq On : 15 Apr 2019 22:57
 Operator : JU/SJ
 Sample : K2397-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-D

Manual Integrations
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Sohil
 4/16/2019 5:03:07 PM

Quant Time: Apr 16 03:40:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	112948	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	412968	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	190028	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	321187	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	251621	20.00	ng	-0.02
87) Perylene-d12	15.24	264	263101	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	715882	108.08	ng	-0.01
7) Phenol-d6	6.33	99	947101	116.01	ng	-0.01
23) Nitrobenzene-d5	7.24	82	546721	77.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	216671	94.92	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	956009	80.99	ng	-0.02
79) Terphenyl-d14	12.77	244	735421	59.51	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.97	128	81297	4.063	ng	99
50) Dimethylphthalate	9.43	163	103092	7.360	ng	100
71) Phenanthrene	11.21	178	250706	15.708	ng	98
72) Anthracene	11.26	178	72386	4.458	ng	99
75) Fluoranthene	12.40	202	667949	39.056	ng	100
78) Pyrene	12.63	202	682189	35.632	ng	99
81) Benzo(a)anthracene	13.82	228	641730	44.212	ng	98
83) Chrysene	13.86	228	608194	41.334	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	424475	31.245	ng	96
88) Benzo(b)fluoranthene	14.85	252	997227m	61.920	ng	
89) Benzo(k)fluoranthene	14.87	252	320137m	22.149	ng	
90) Benzo(a)pyrene	15.19	252	707830	49.461	ng	99
91) Dibenzo(a,h)anthracene	16.61	278	119788m	8.951	ng	
92) Benzo(g,h,i)perylene	17.03	276	415505	30.418	ng	97

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

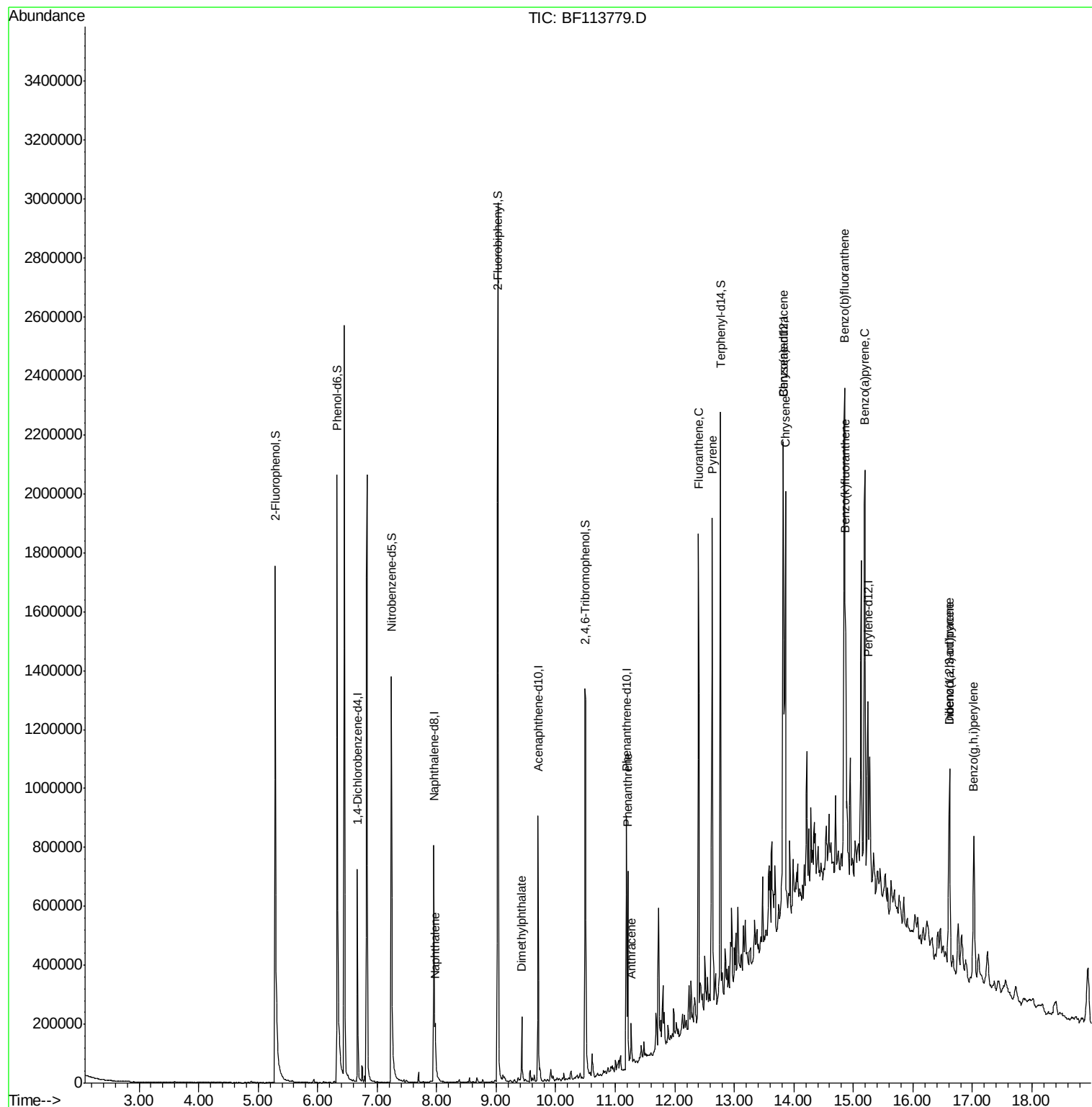
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
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Sample : K2397-07
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ALS Vial : 19 Sample Multiplier: 1

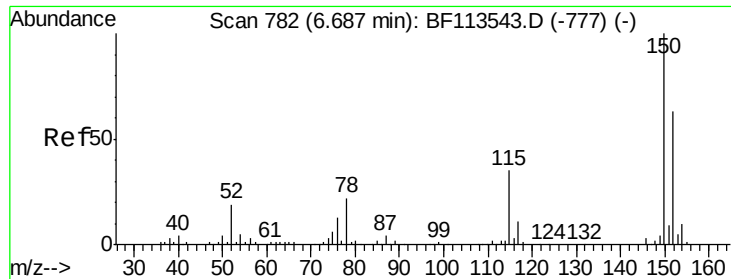
Instrument :
BNA_F
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TP-1-D

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Quant Time: Apr 16 03:40:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

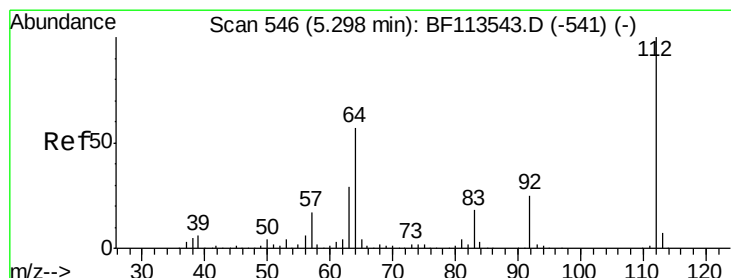
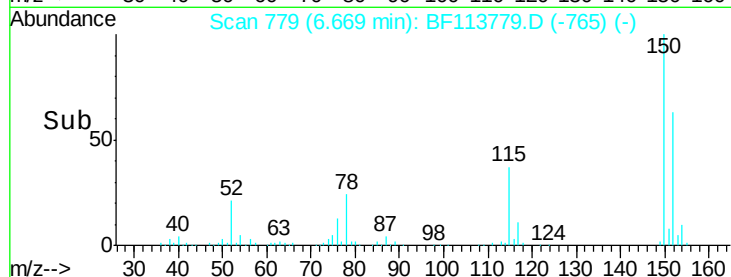
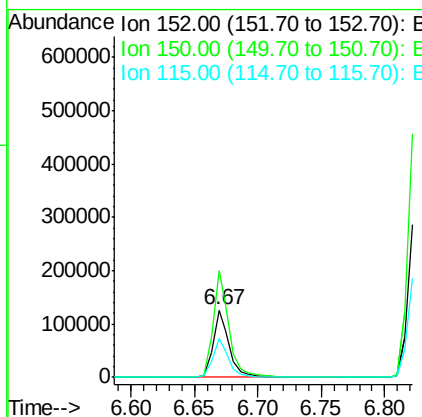
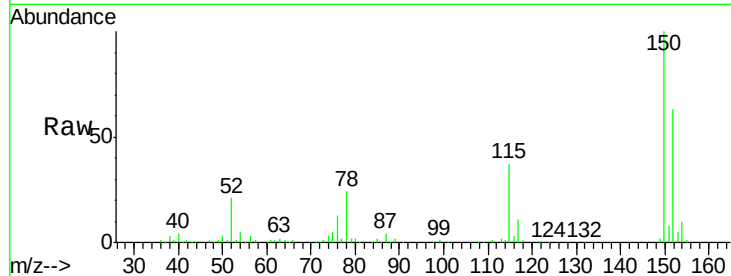
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.7	187.1
115	58.0	46.0	69.0

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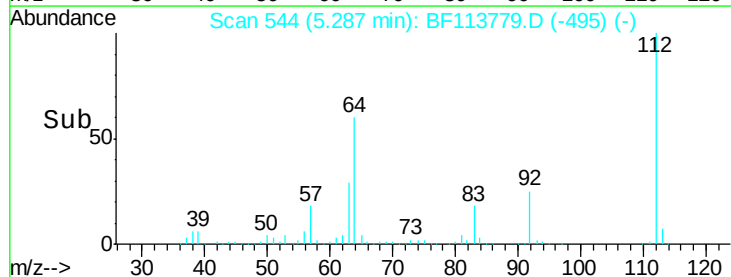
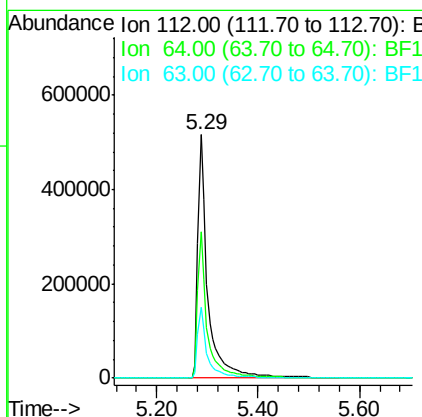
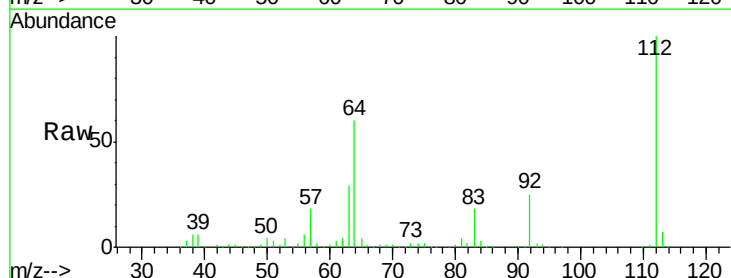
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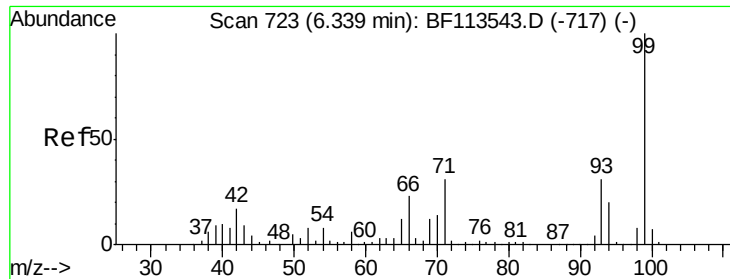


#5

2-Fluorophenol
Concen: 108.080 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.2	73.8
63	29.2	24.9	37.3





#7

Phenol-d6

Concen: 116.014 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

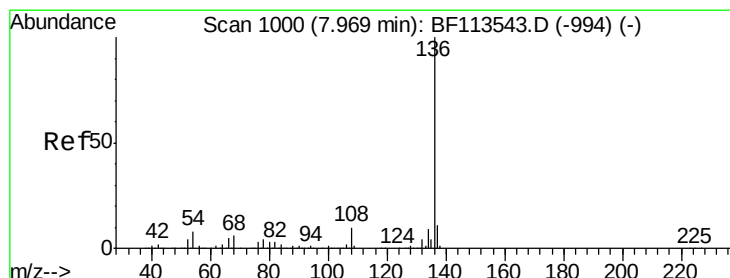
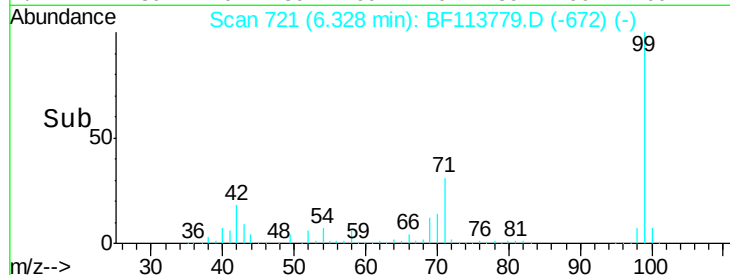
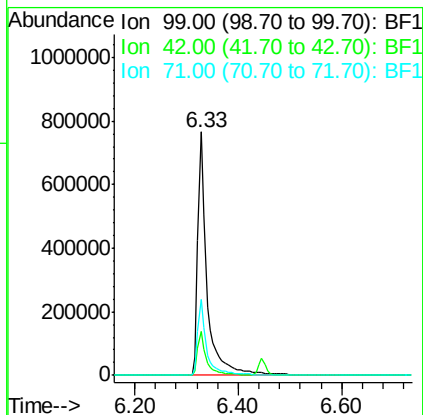
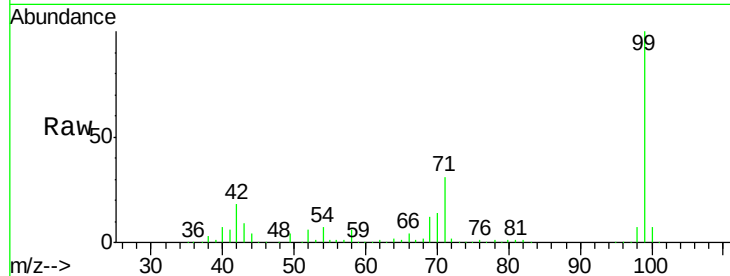
ClientSampled :

TP-1-D

Tgt Ion:	99	Resp:	947101
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.8	22.2
71	31.1	24.9	37.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

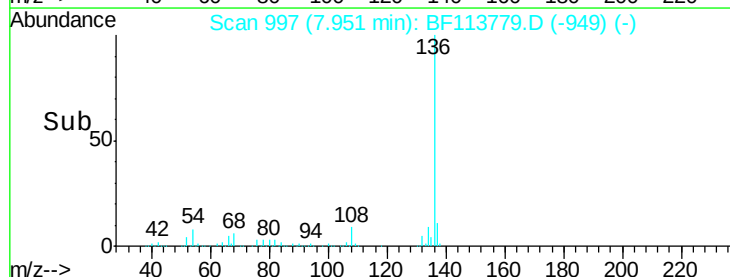
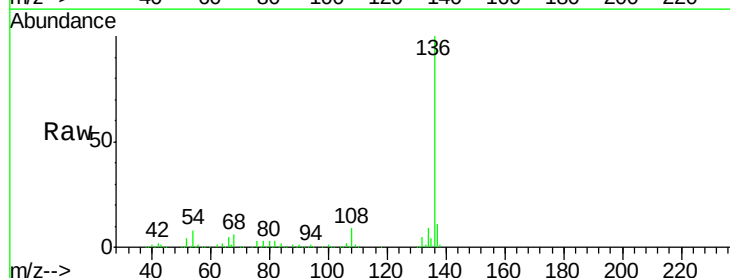
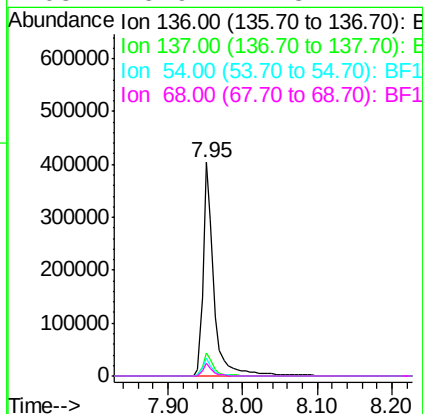
RT: 7.95 min Scan# 997

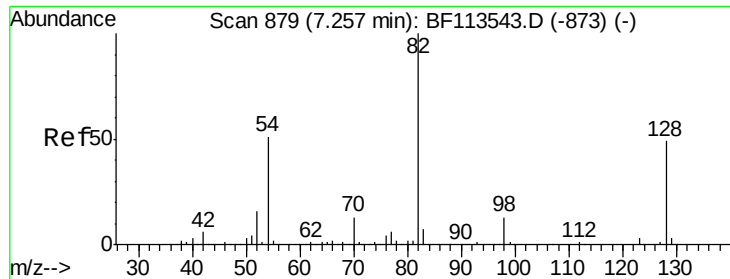
Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Tgt Ion:	136	Resp:	412968
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.2	7.0	10.6
68	5.9	4.8	7.2





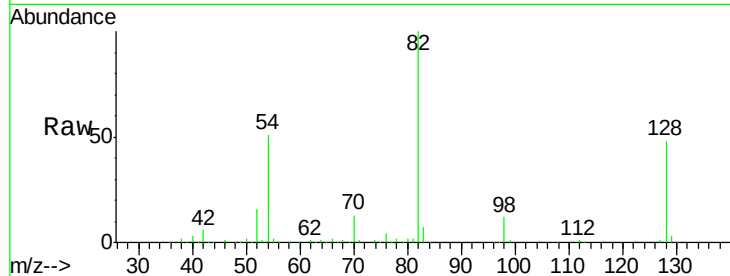
#23
 Nitrobenzene-d5
 Concen: 77.547 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Instrument :
 BNA_F
 ClientSampled :
 TP-1-D

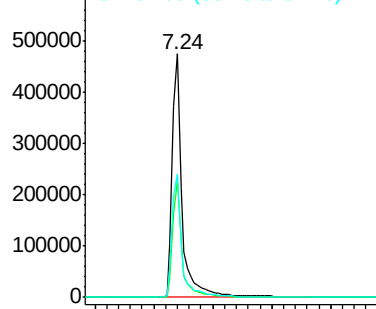
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.5	54.7
54	50.8	42.2	63.2

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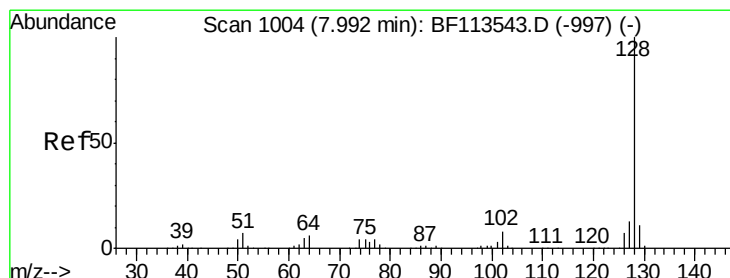
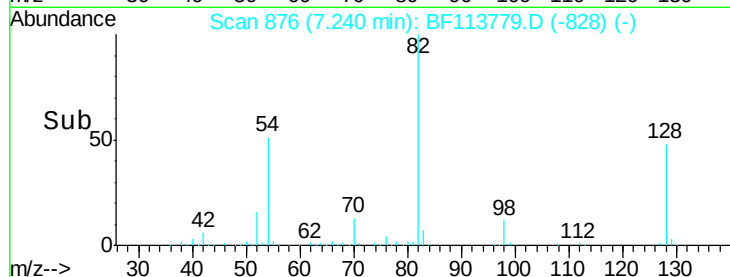
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Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



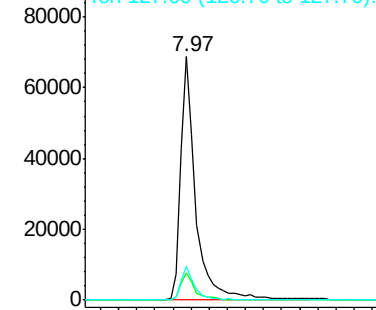
Time-->



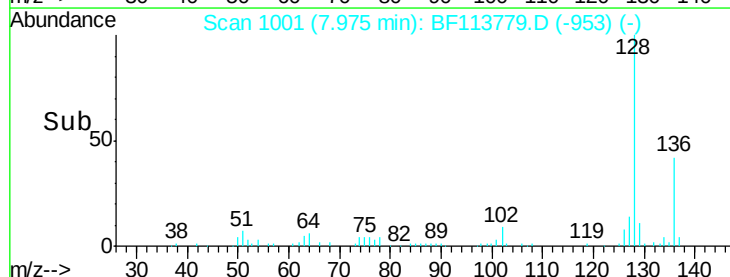
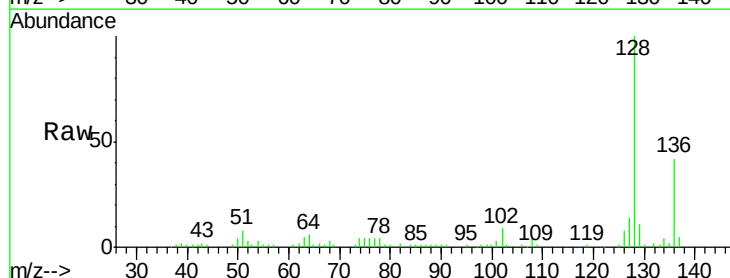
#31
 Naphthalene
 Concen: 4.063 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

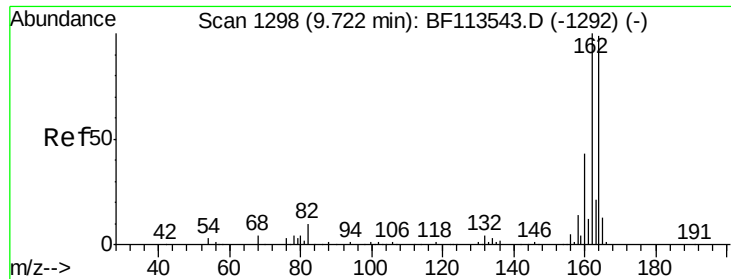
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.6	10.9	16.3

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



Time-->





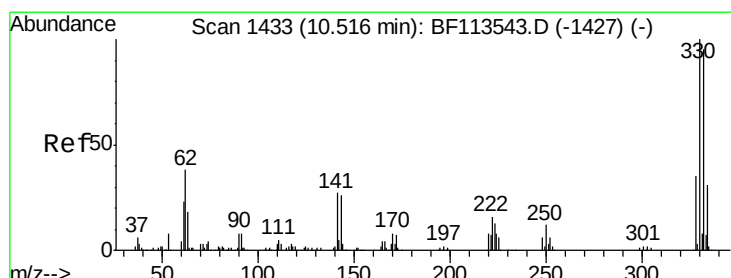
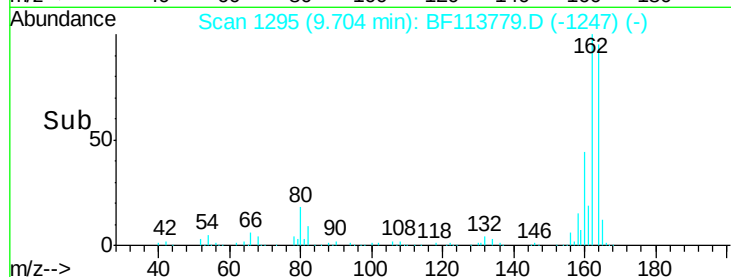
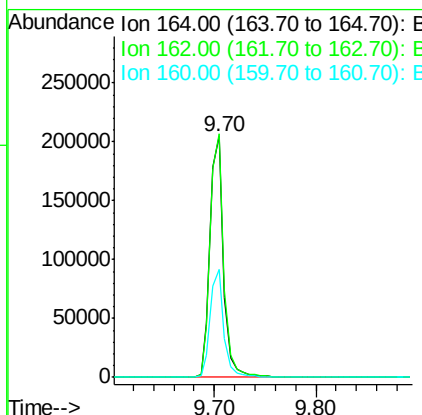
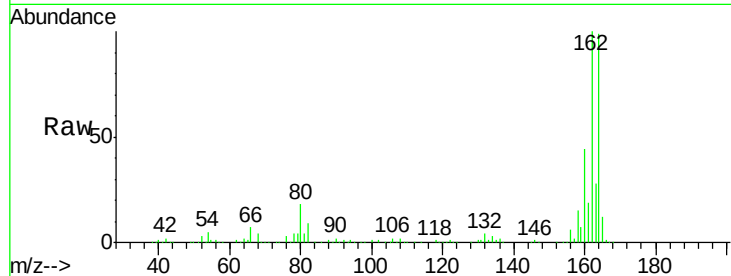
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Instrument :
 BNA_F
 ClientSampled :
 TP-1-D

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190028		
162	101.2	81.8	122.6	
160	44.8	36.4	54.6	

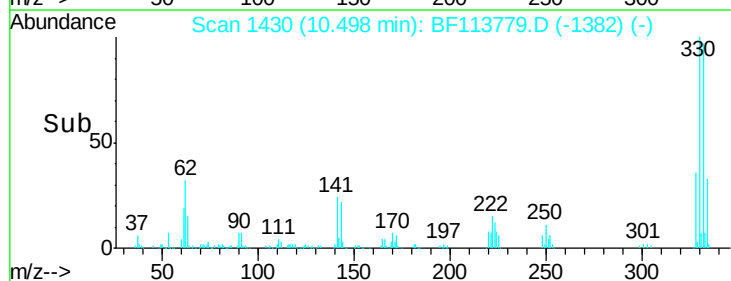
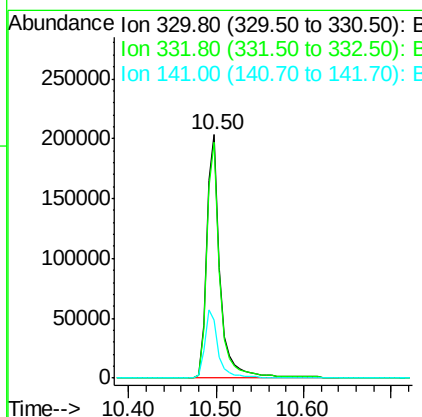
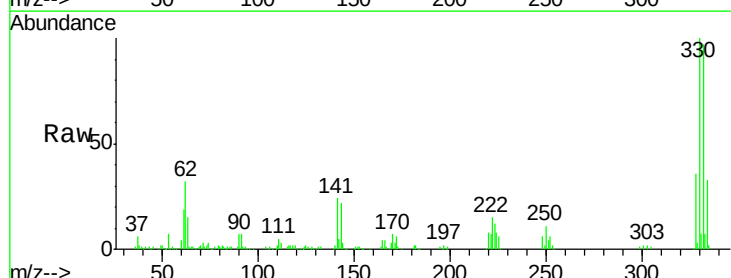
Manual Integrations
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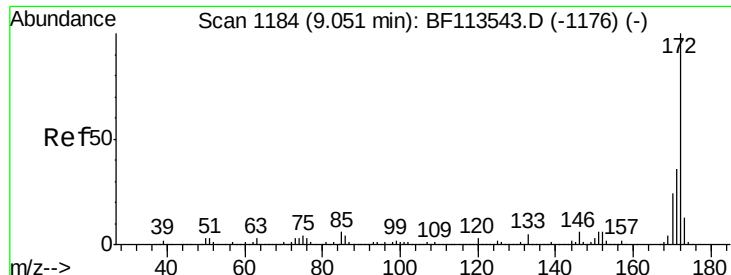
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#42
 2,4,6-Tribromophenol
 Concen: 94.919 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	216671		
332	97.4	77.8	116.6	
141	28.5	22.7	34.1	





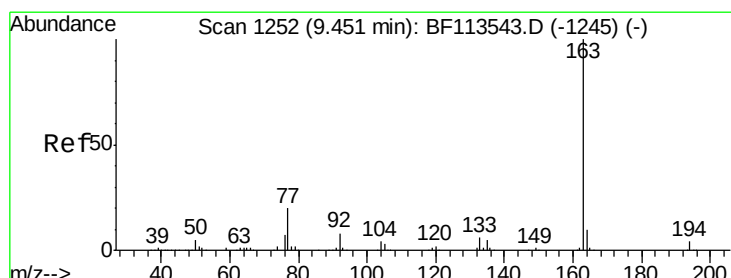
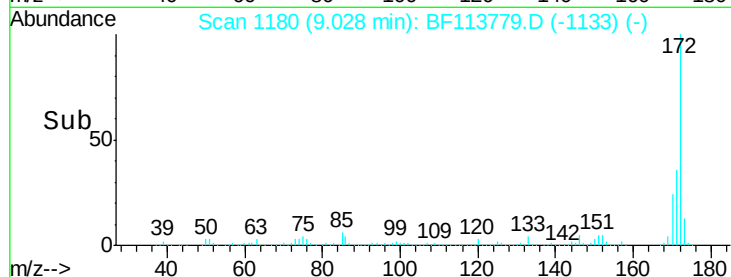
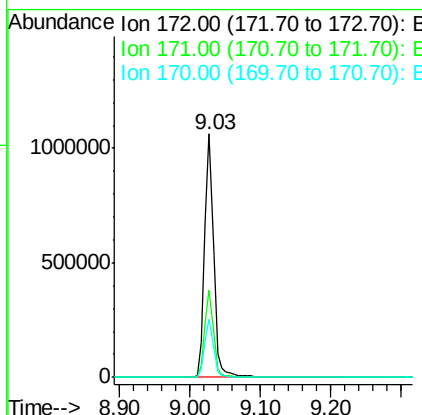
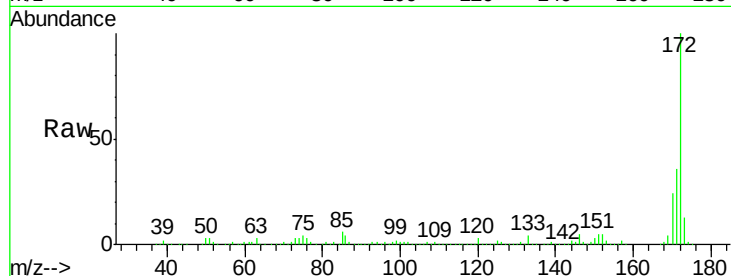
#45
2-Fluorobiphenyl
Concen: 80.992 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	956009		
171	35.9	29.0	43.6	
170	23.6	19.5	29.3	

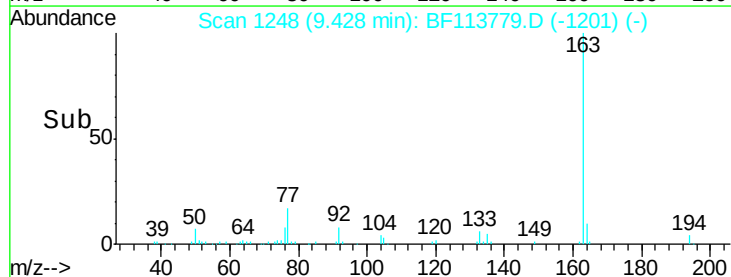
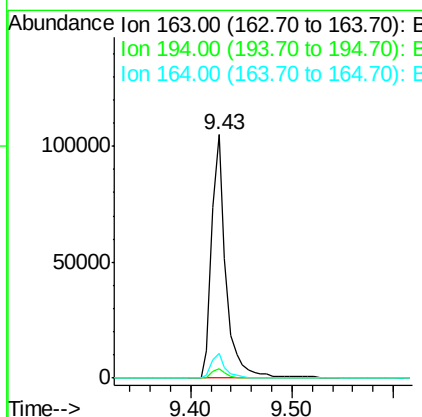
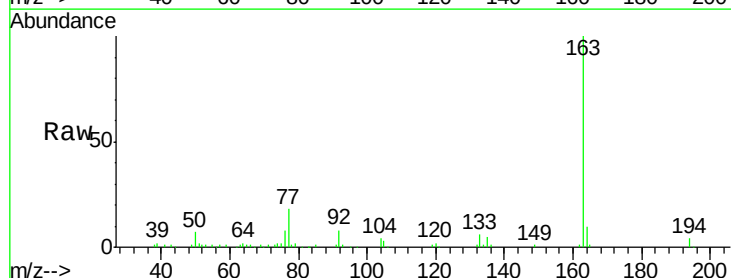
Manual Integrations
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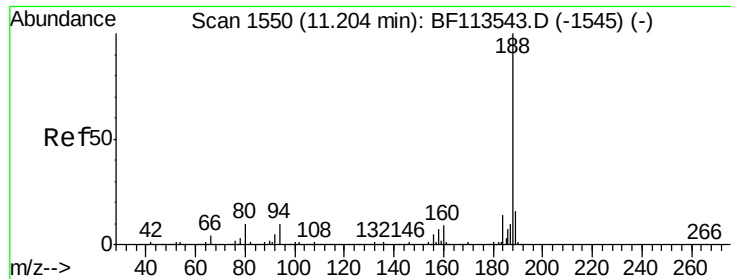
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#50
Dimethylphthalate
Concen: 7.360 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	103092		
194	3.9	3.0	4.6	
164	10.3	8.1	12.1	





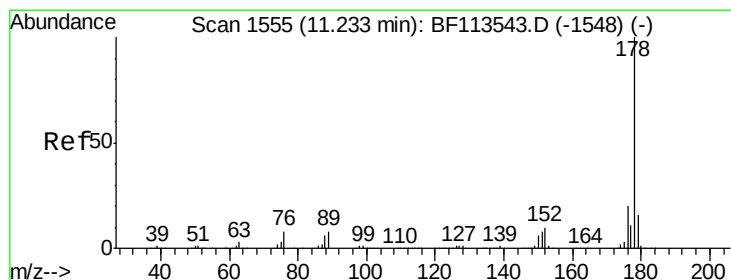
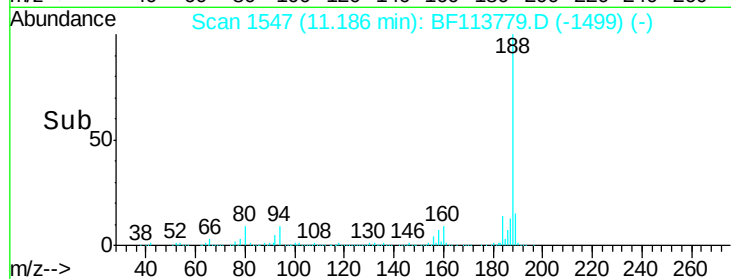
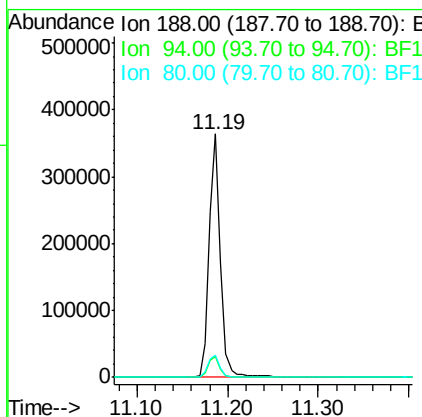
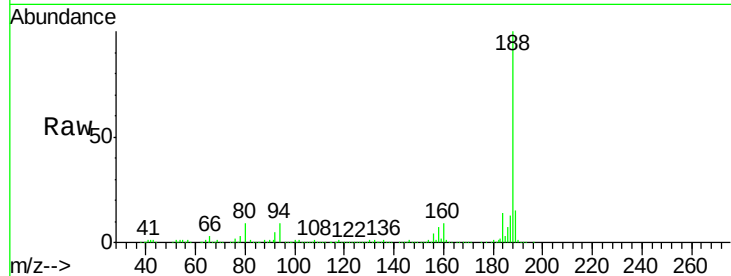
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampled :
TP-1-D

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	321187		
94	8.8	7.0	10.6	
80	9.1	7.7	11.5	

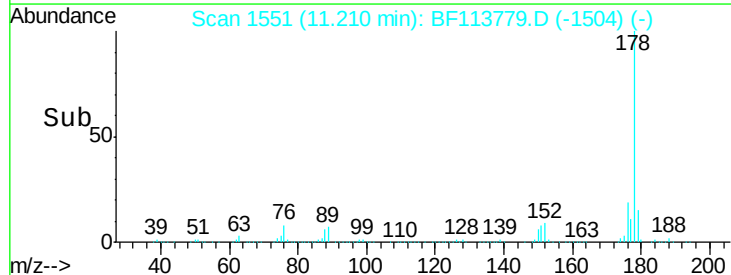
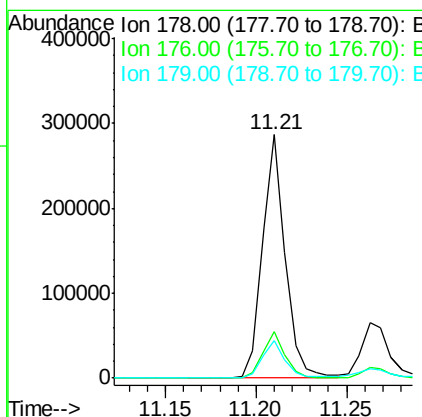
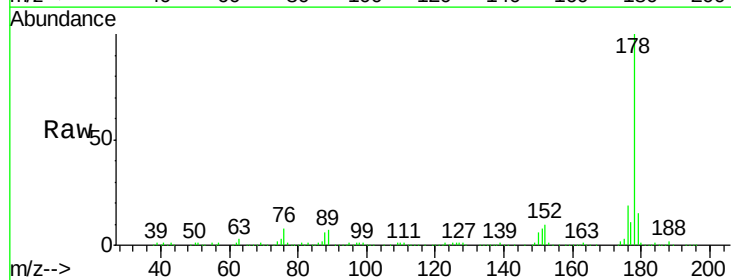
Manual Integrations
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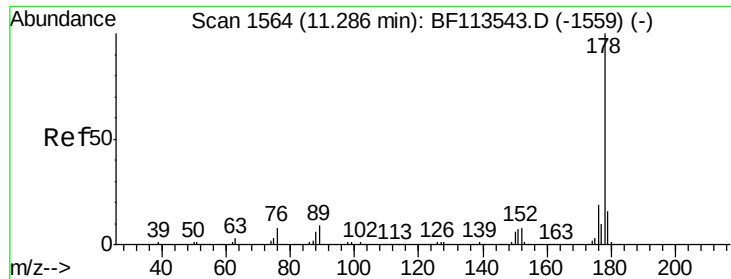
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#71
Phenanthrene
Concen: 15.708 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	250706		
176	18.9	16.2	24.2	
179	15.4	12.7	19.1	





#72

Anthracene

Concen: 4.458 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

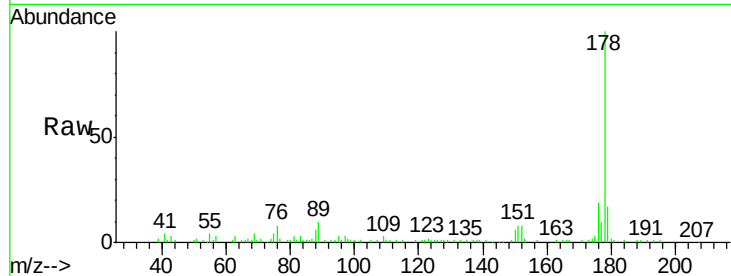
ClientSampled :

TP-1-D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.8	12.8	19.2

Manual Integrations
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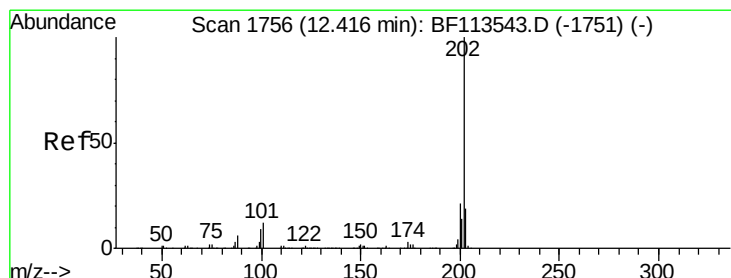
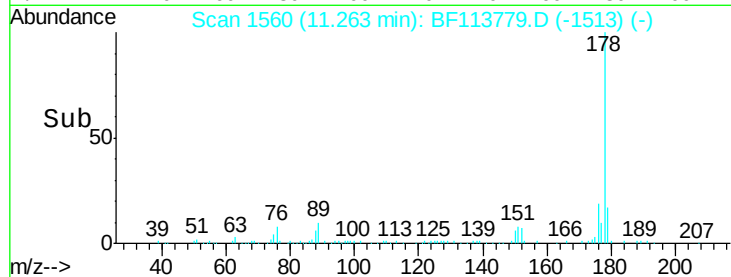
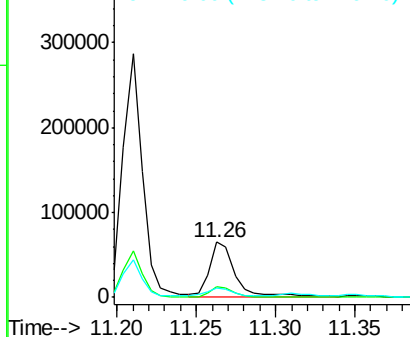


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 39.056 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

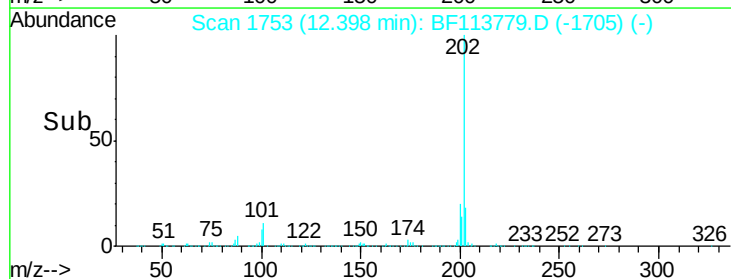
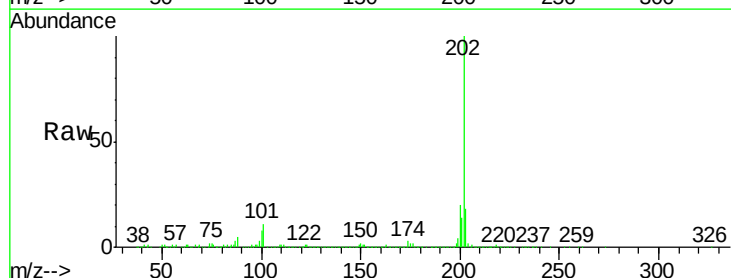
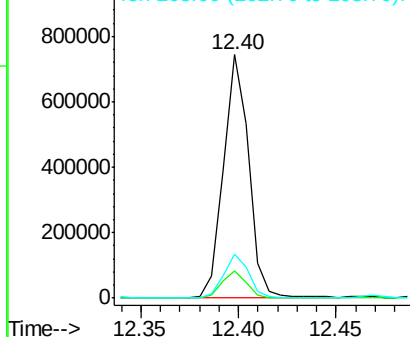
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.0	0.0	38.0

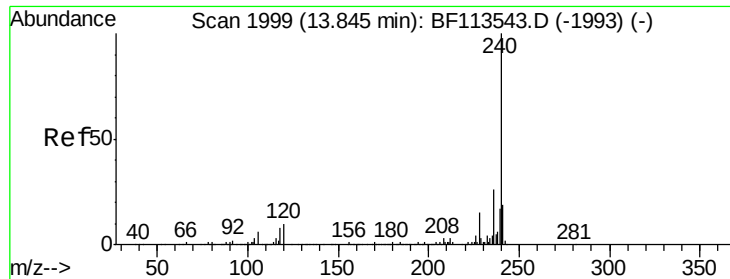
Abundance

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





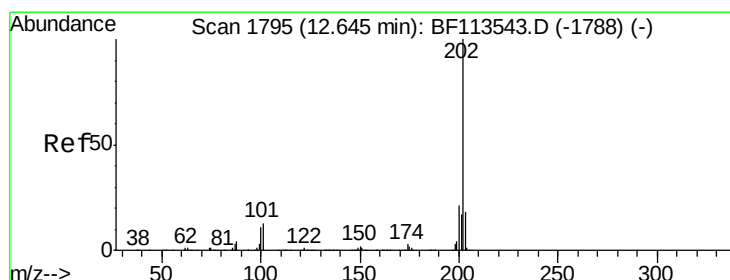
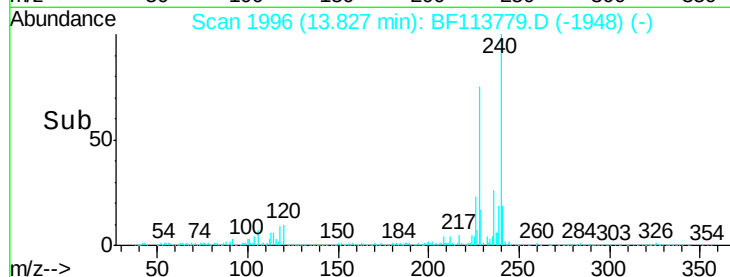
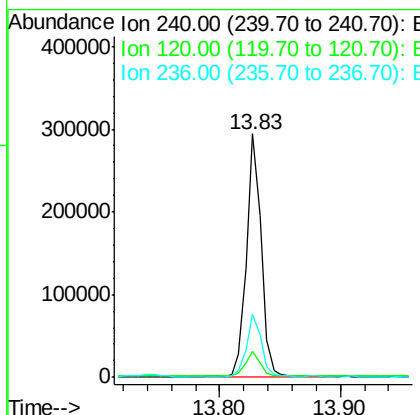
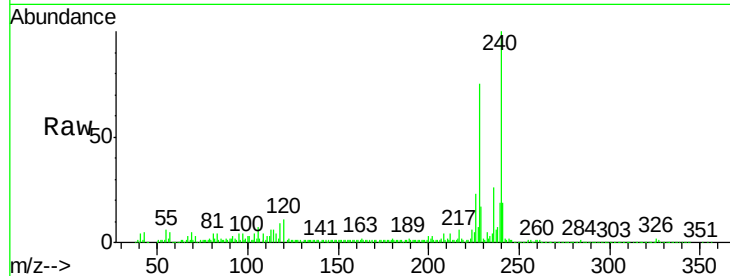
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	251621		
120	10.9	8.8	13.2	
236	26.1	20.9	31.3	

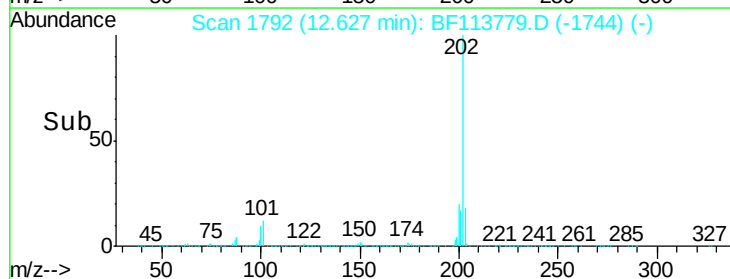
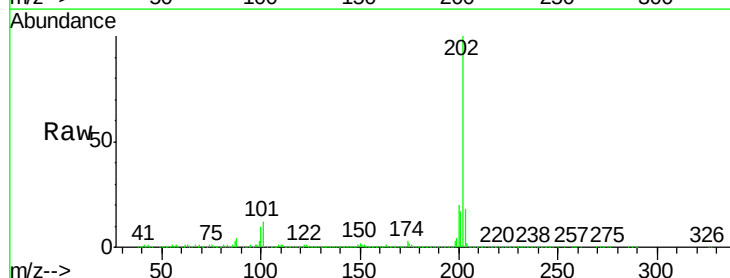
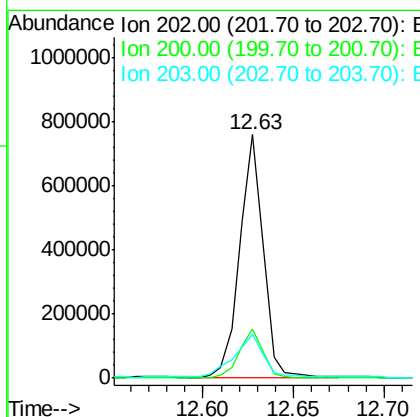
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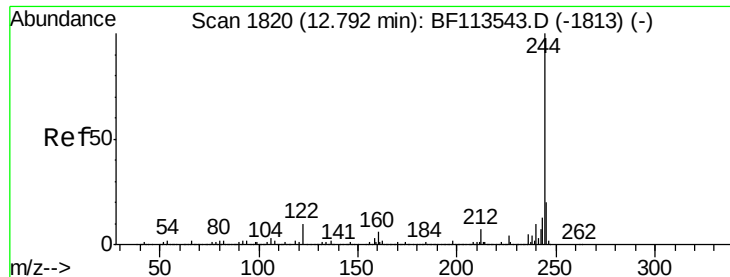
Sohil
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#78
Pyrene
Concen: 35.632 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	682189		
200	20.2	16.8	25.2	
203	18.0	14.4	21.6	





#79

Terphenyl-d14

Concen: 59.507 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

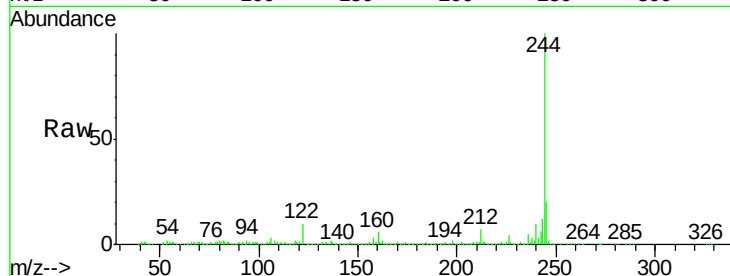
ClientSampled :

TP-1-D

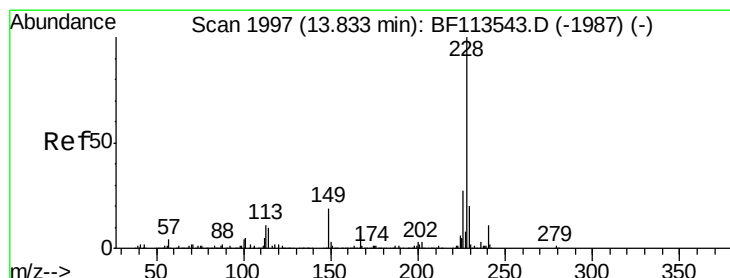
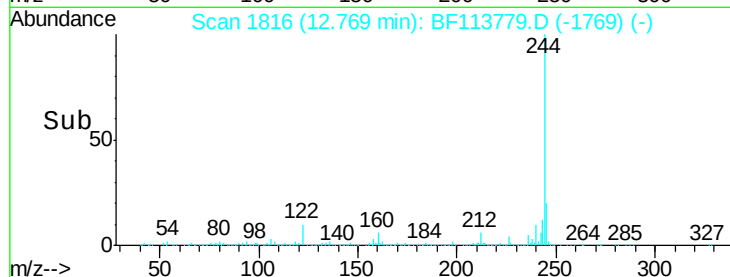
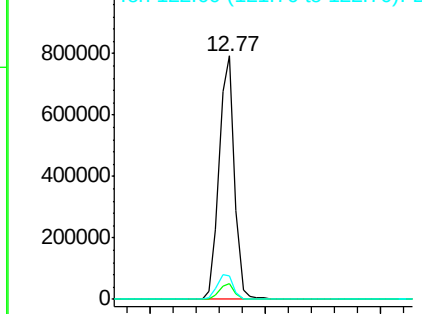
Tgt Ion:	244	Resp:	735421
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.5	8.3
122	9.6	8.6	13.0

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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: 44.212 ng

RT: 13.82 min Scan# 1994

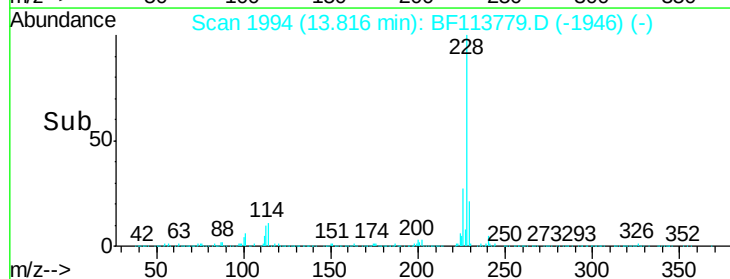
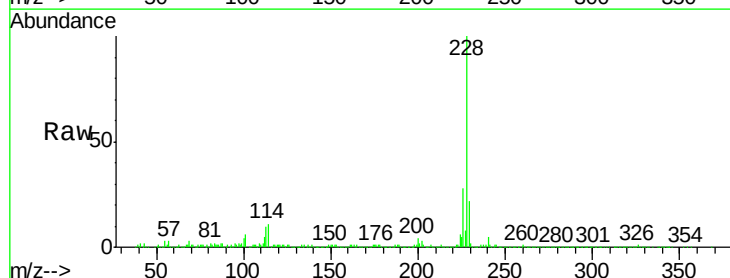
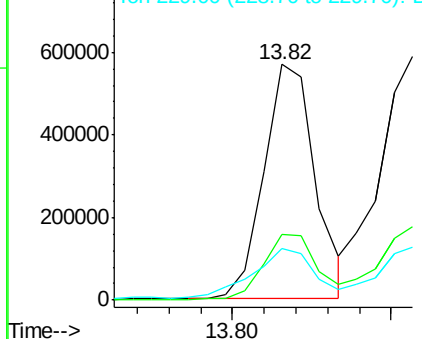
Delta R.T. -0.02 min

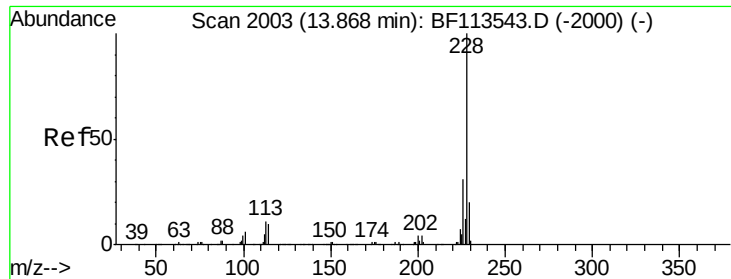
Lab File: BF113779.D

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Tgt Ion:	228	Resp:	641730
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.8	32.8
229	22.0	16.2	24.4

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





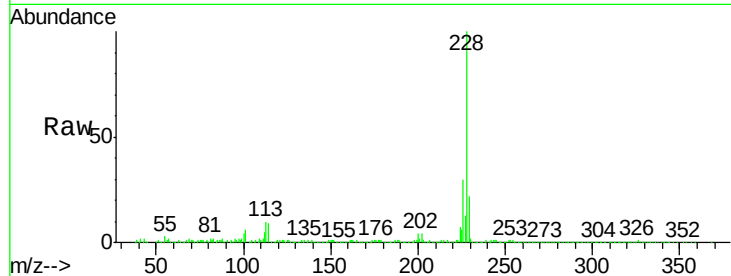
#83
Chrysene
Concen: 41.334 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampled :
TP-1-D

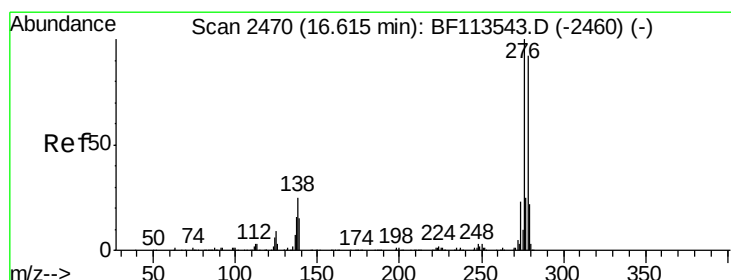
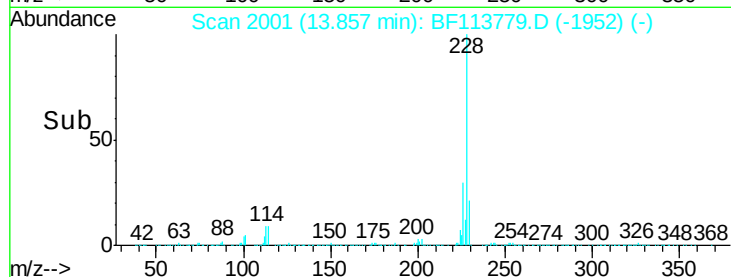
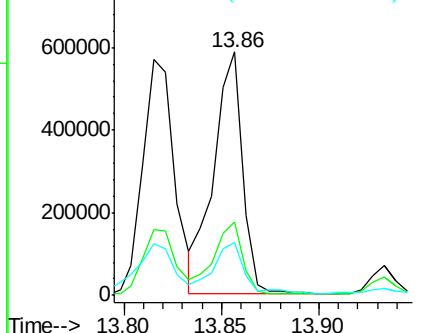
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	608194		
226	30.4	24.3	36.5	
229	21.7	16.3	24.5	

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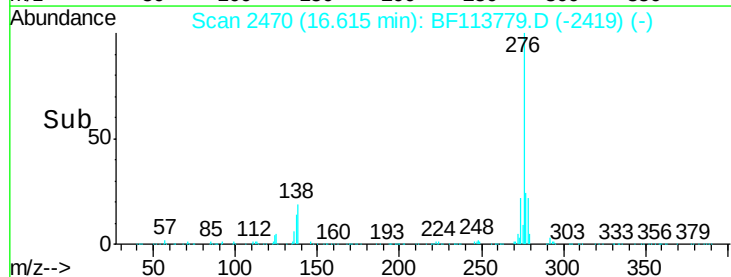
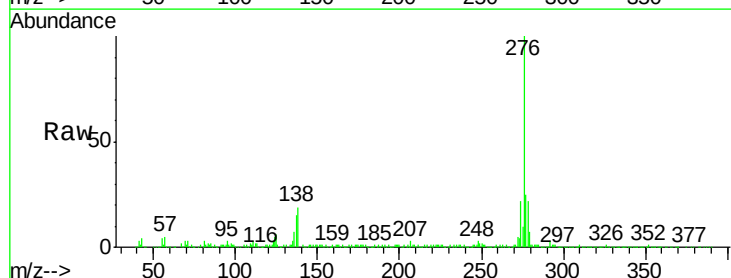
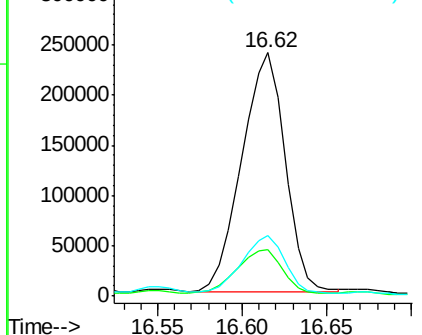
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

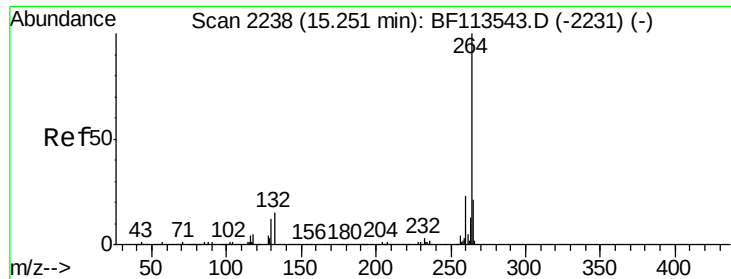


#86
Indeno(1,2,3-cd)pyrene
Concen: 31.245 ng
RT: 16.62 min Scan# 2470
Delta R.T. 0.00 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	424475		
138	20.0	18.1	27.1	
277	24.1	20.2	30.4	

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: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

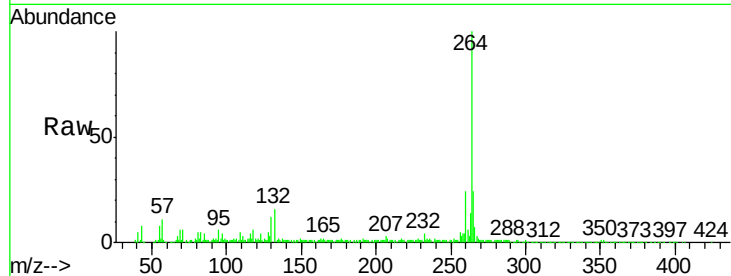
ClientSampleId :

TP-1-D

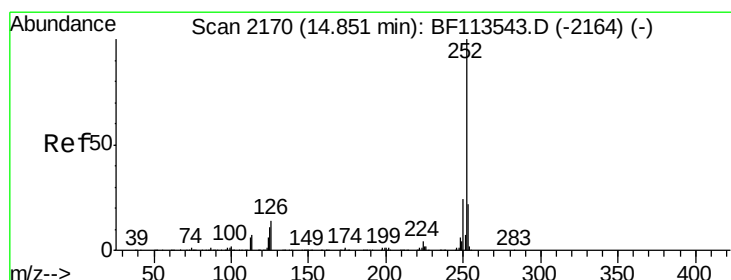
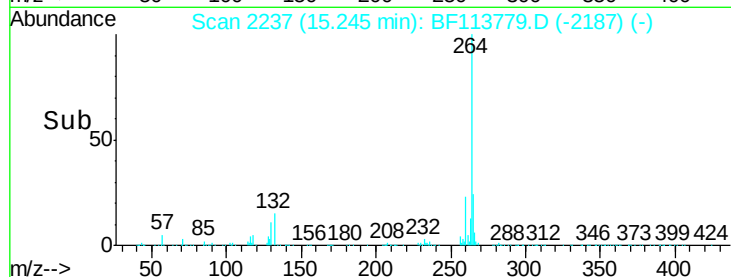
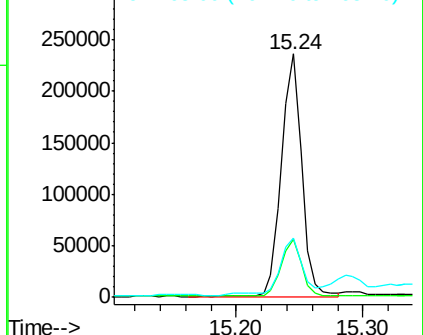
Tgt Ion:	264	Resp:	263101
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	24.2	17.1	25.7

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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: 61.920 ng m

RT: 14.85 min Scan# 2170

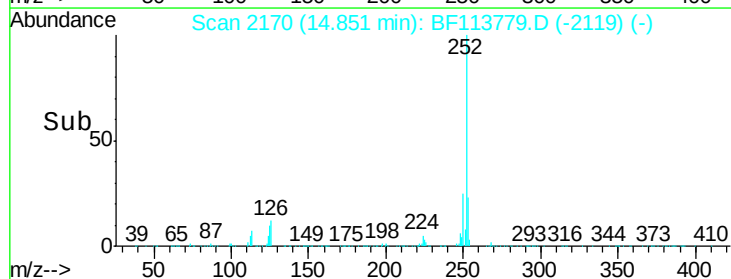
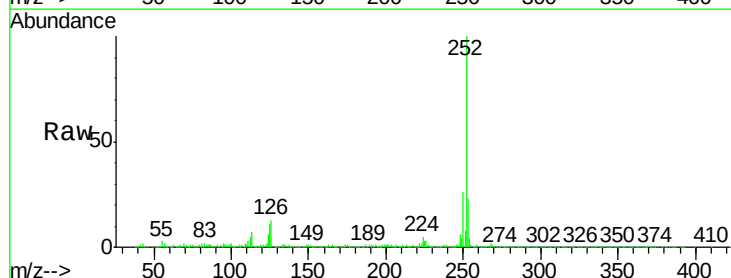
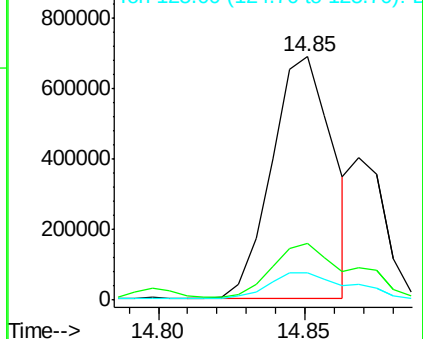
Delta R.T. 0.00 min

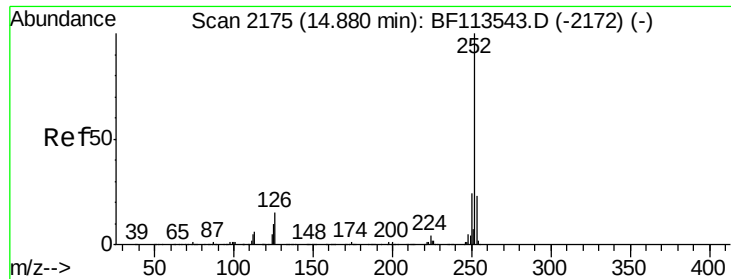
Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Tgt Ion:	252	Resp:	997227
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.0	27.0
125	11.2	7.6	11.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





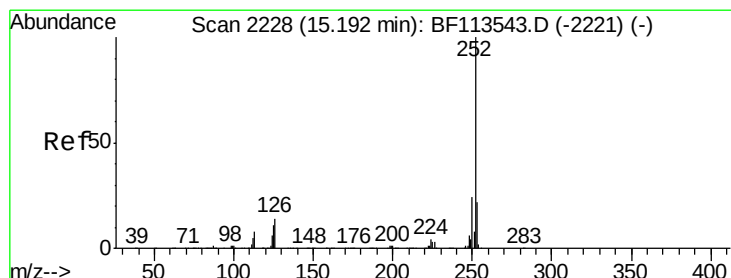
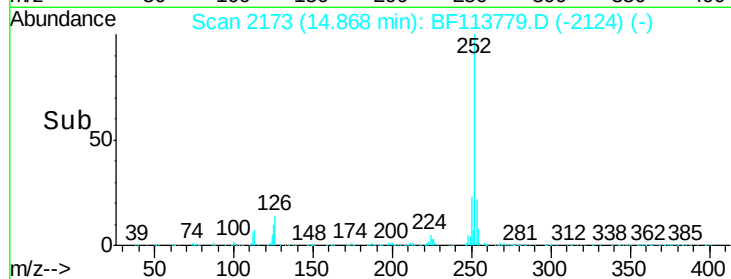
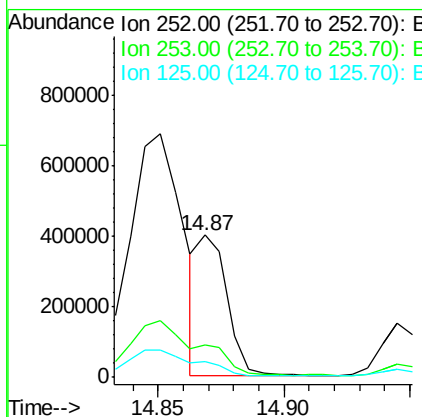
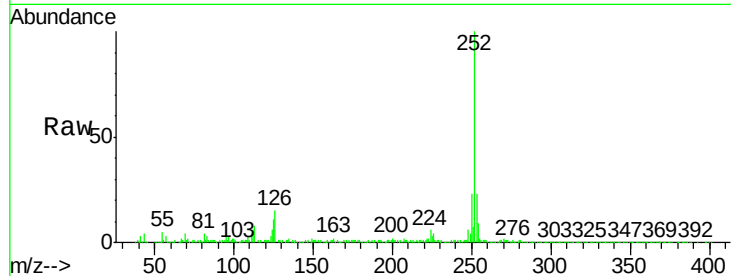
#89
Benzo(k)fluoranthene
Concen: 22.149 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampled :
TP-1-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.0	7.3	10.9

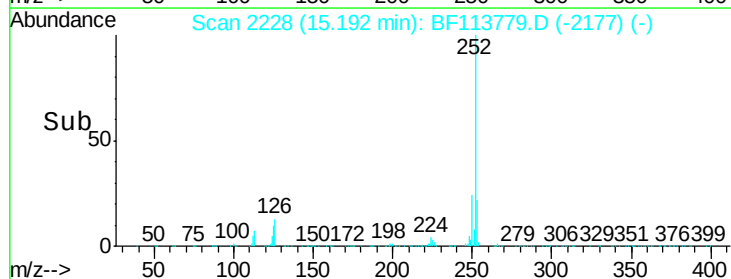
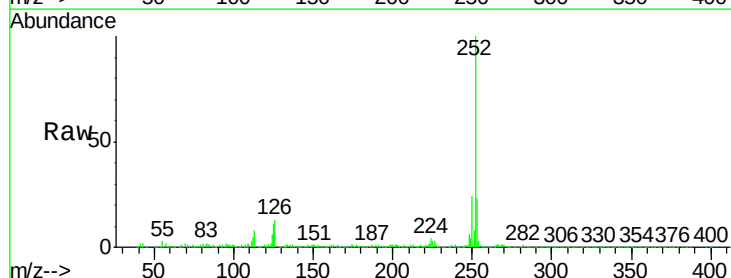
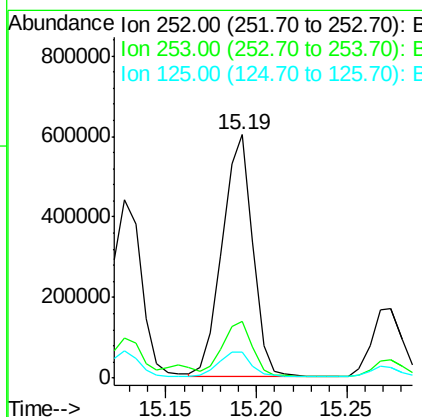
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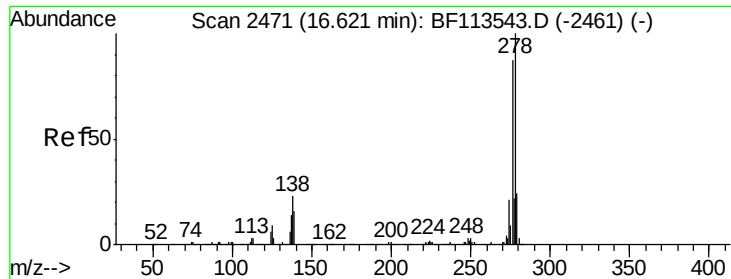
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#90
Benzo(a)pyrene
Concen: 49.461 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.8	8.8	13.2





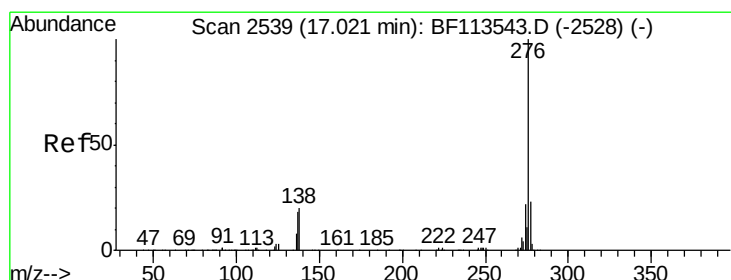
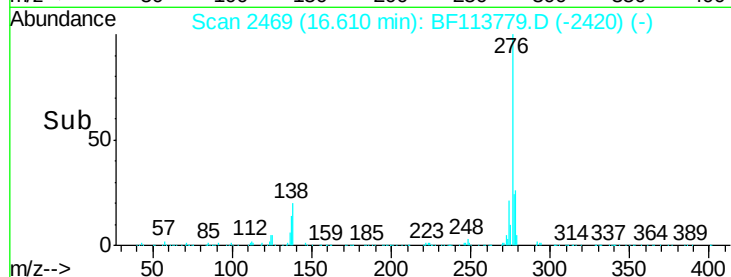
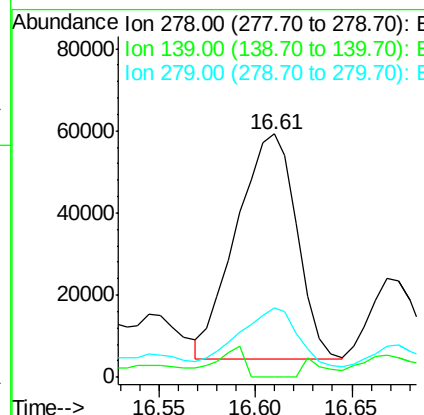
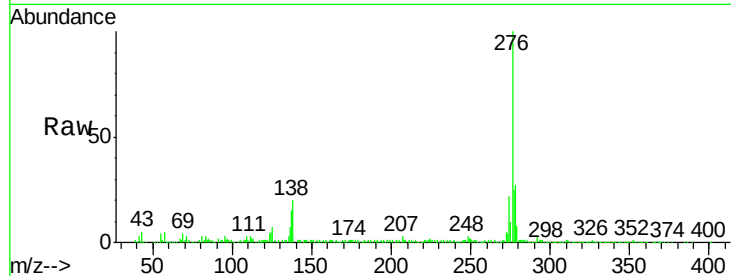
#91
Dibenzo(a,h)anthracene
Concen: 8.951 ng m
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	28.4	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 30.418 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.8	28.2
138	20.0	15.6	23.4

