

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113775.D
 Acq On : 15 Apr 2019 21:03
 Operator : JU/SJ
 Sample : K2397-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Manual Integrations
 APPROVED

Sohil
 4/16/2019 5:02:59 PM

Quant Time: Apr 16 00:46:21 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	115349	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	428201	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	203338	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	377523	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	258335	20.00	ng	-0.02
87) Perylene-d12	15.24	264	338307	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	742570	109.78	ng	-0.01
7) Phenol-d6	6.33	99	983508	117.97	ng	-0.01
23) Nitrobenzene-d5	7.24	82	584003	79.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	256244	104.91	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1050593	83.18	ng	-0.02
79) Terphenyl-d14	12.77	244	878249	69.22	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.97	128	47413	2.285	ng	99
50) Dimethylphthalate	9.43	163	102670	6.850	ng	99
71) Phenanthrene	11.21	178	366408	19.532	ng	99
72) Anthracene	11.27	178	109175	5.720	ng	98
75) Fluoranthene	12.40	202	886381	44.094	ng	99
78) Pyrene	12.63	202	878497	44.693	ng	100
81) Benzo(a)anthracene	13.82	228	688703	46.215	ng	99
83) Chrysene	13.85	228	591488	39.154	ng	98
86) Indeno(1,2,3-cd)pyrene	16.61	276	587216	42.101	ng	96
88) Benzo(b)fluoranthene	14.84	252	998113m	48.198	ng	
89) Benzo(k)fluoranthene	14.86	252	356675m	19.191	ng	
90) Benzo(a)pyrene	15.19	252	800852	43.521	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	148956m	8.656	ng	
92) Benzo(g,h,i)perylene	17.02	276	570366	32.473	ng	97

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

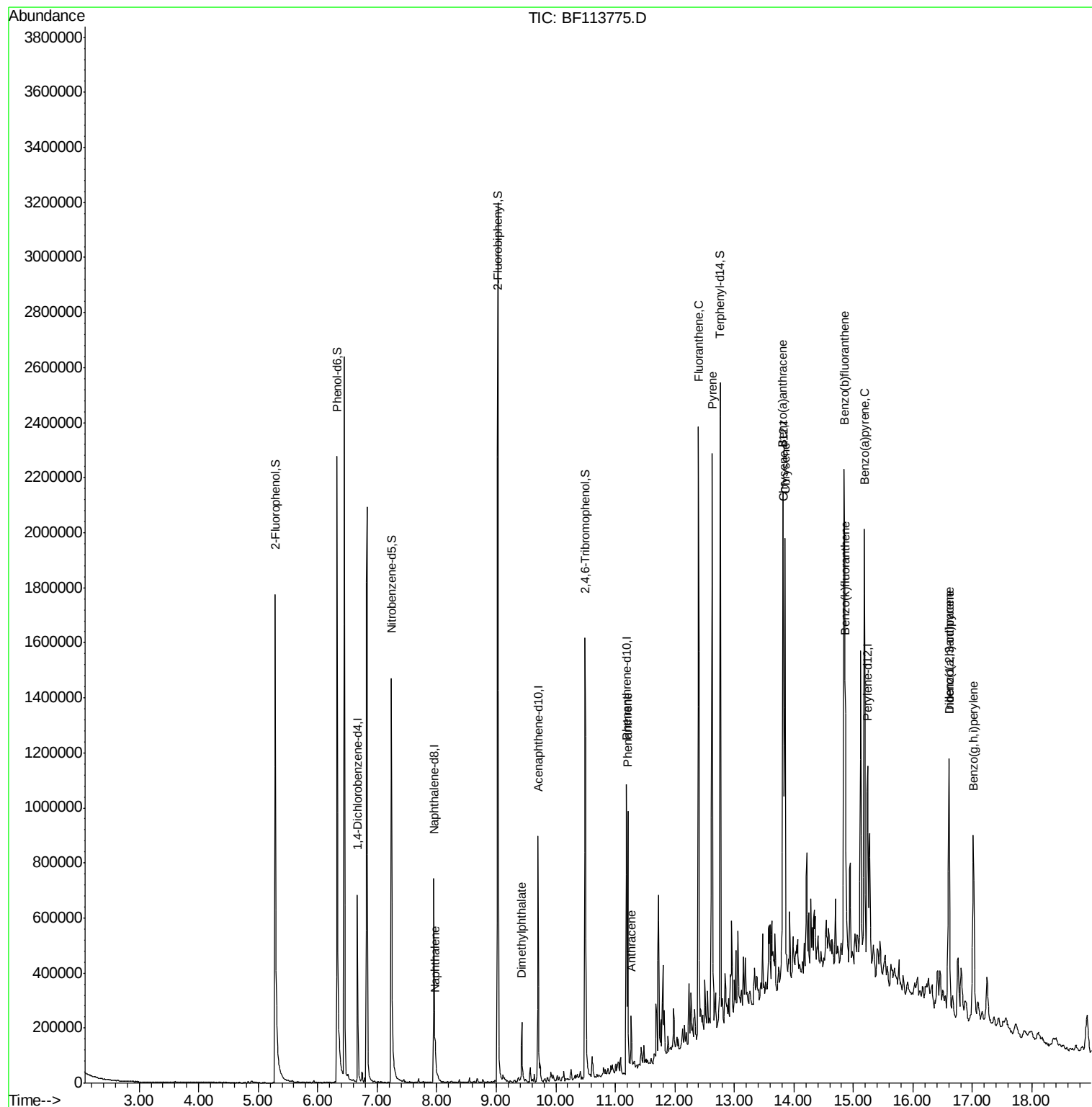
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113775.D
Acq On : 15 Apr 2019 21:03
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#1

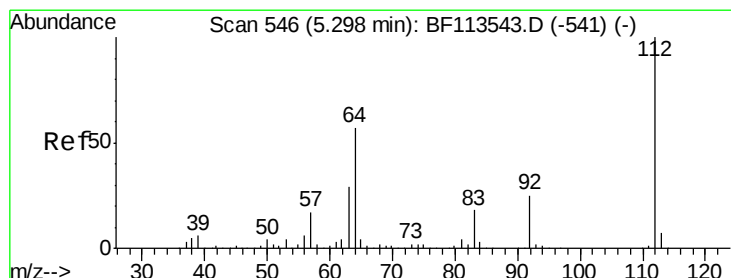
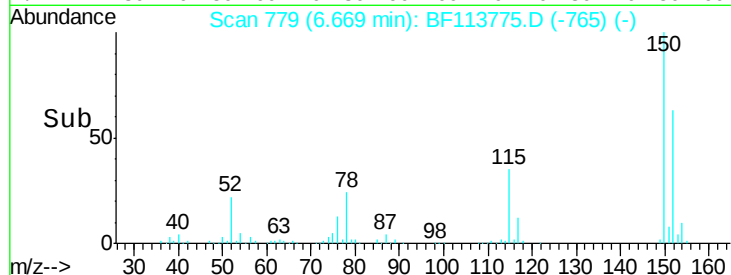
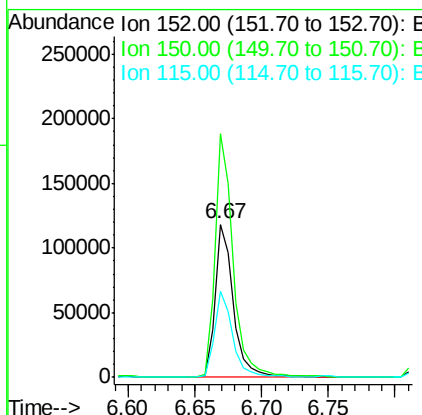
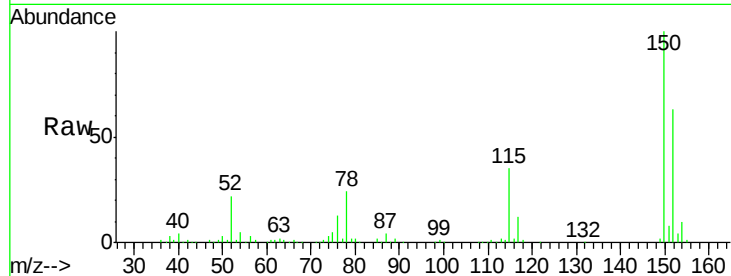
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Instrument :
BNA_F
ClientSampled :
TP-1-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.7	187.1
115	56.1	46.0	69.0

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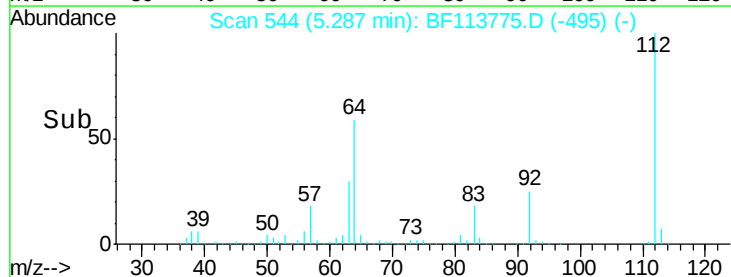
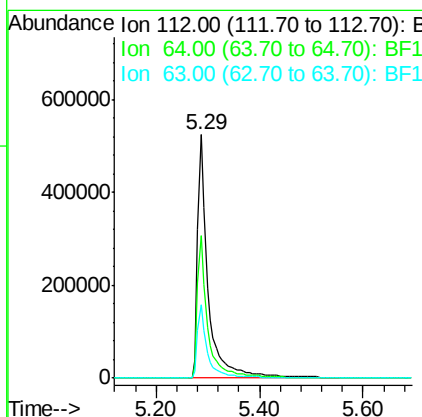
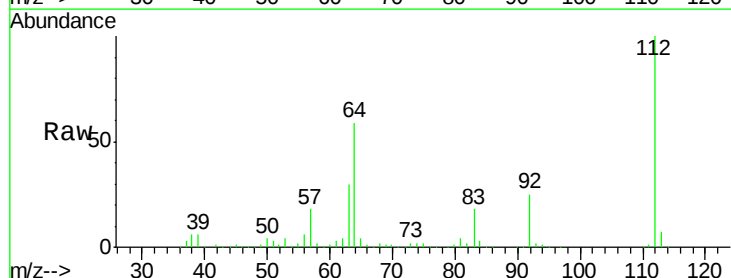
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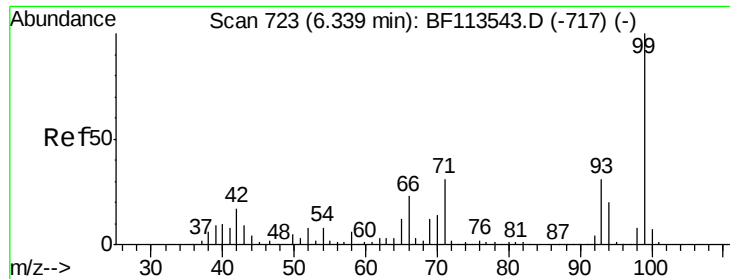


#5

2-Fluorophenol
Concen: 109.776 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	49.2	73.8
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 117.966 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Instrument :

BNA_F

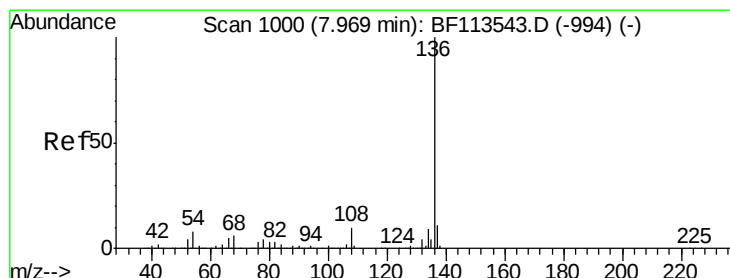
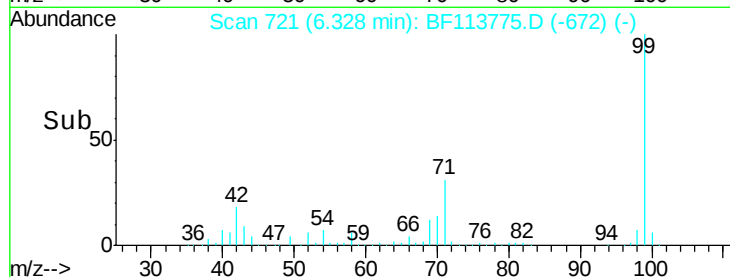
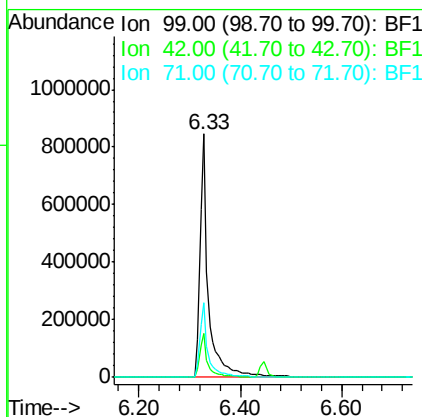
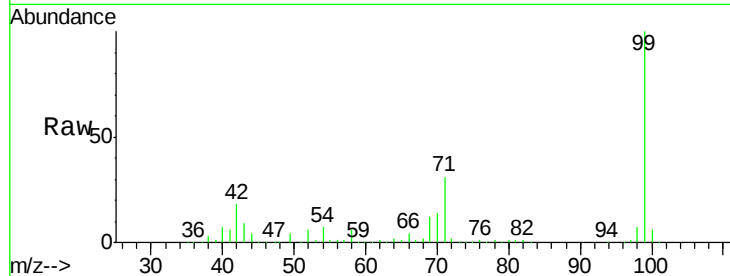
ClientSampled :

TP-1-S

Tgt Ion:	99	Resp:	983508
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.8	22.2
71	30.9	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

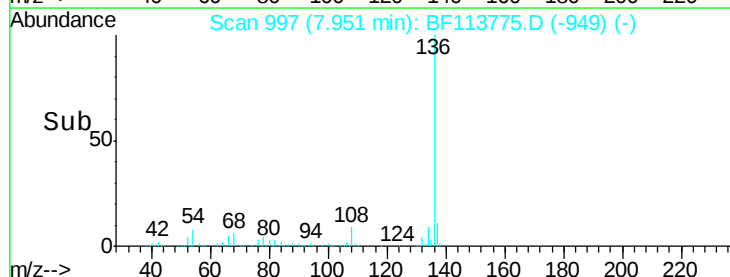
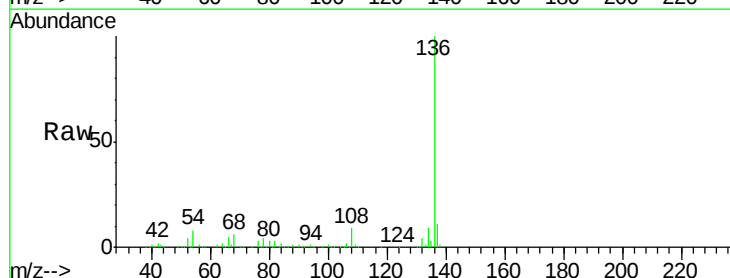
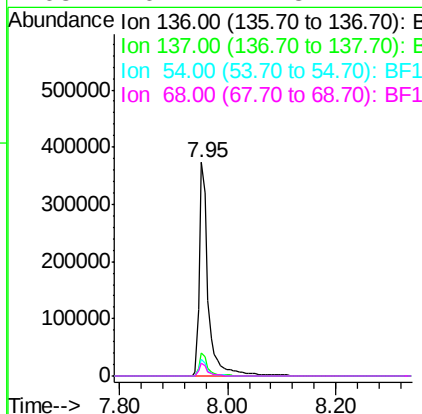
RT: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Tgt Ion:	136	Resp:	428201
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.0	7.0	10.6
68	6.1	4.8	7.2





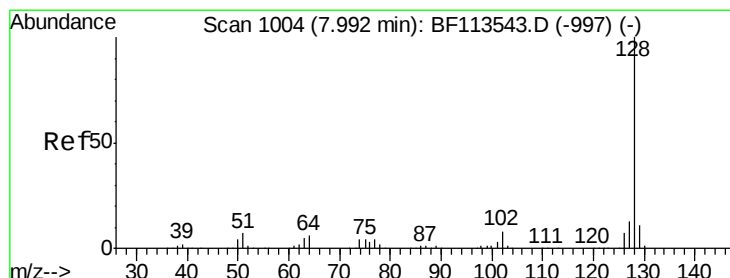
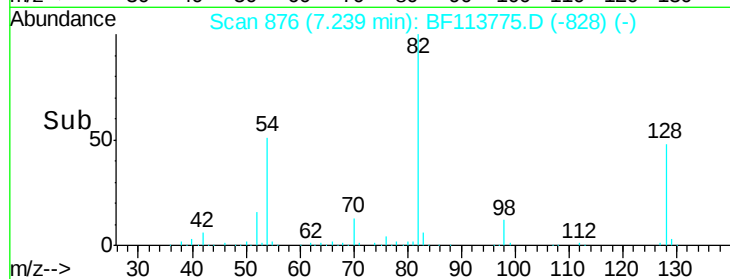
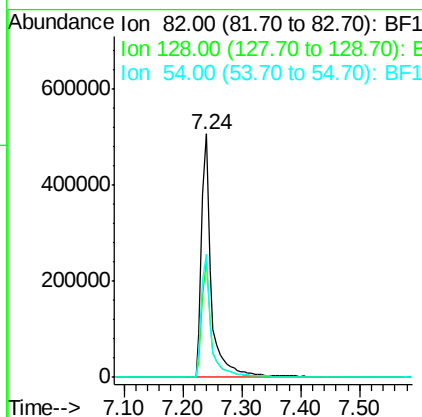
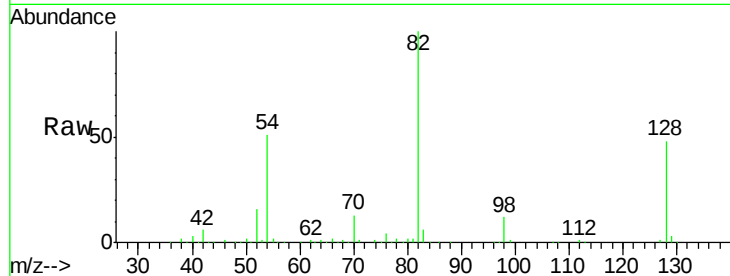
#23
 Nitrobenzene-d5
 Concen: 79.888 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113775.D
 Acq: 15 Apr 2019 21:03

Instrument :
 BNA_F
 ClientSampled :
 TP-1-S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.5	54.7
54	50.9	42.2	63.2

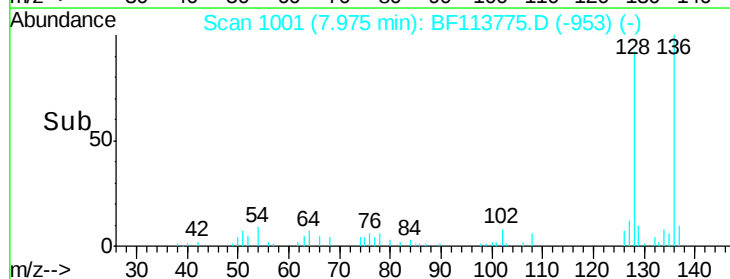
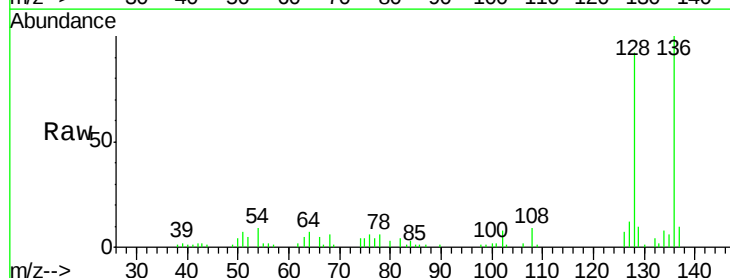
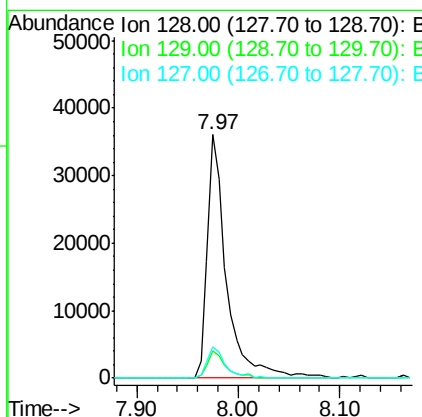
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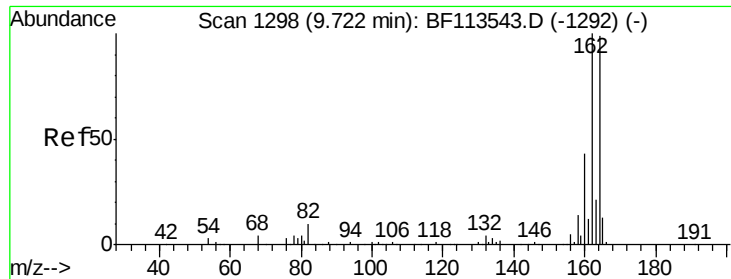
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#31
 Naphthalene
 Concen: 2.285 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BF113775.D
 Acq: 15 Apr 2019 21:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	12.8	10.9	16.3





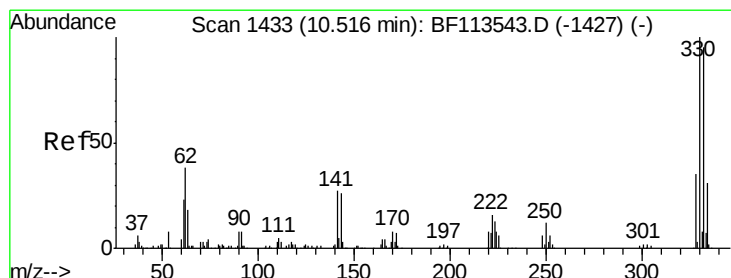
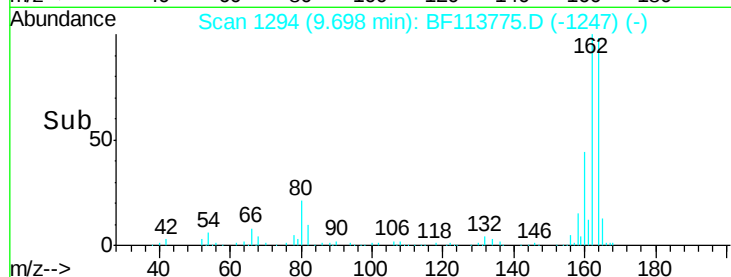
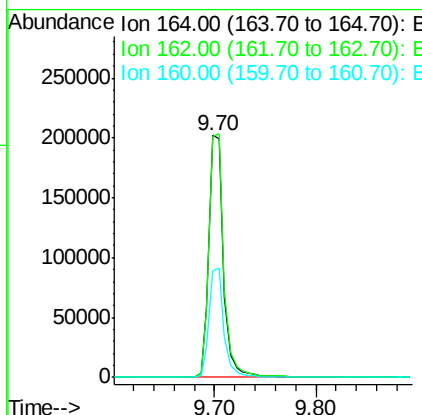
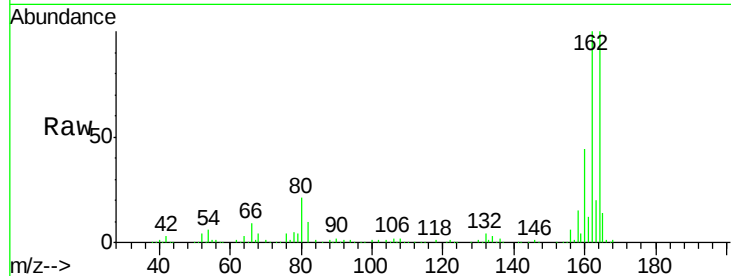
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.02 min
 Lab File: BF113775.D
 Acq: 15 Apr 2019 21:03

Instrument :
 BNA_F
 ClientSampled :
 TP-1-S

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	203338		
162	99.7	81.8	122.6	
160	44.2	36.4	54.6	

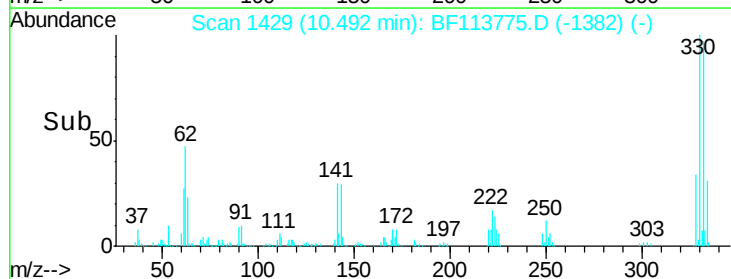
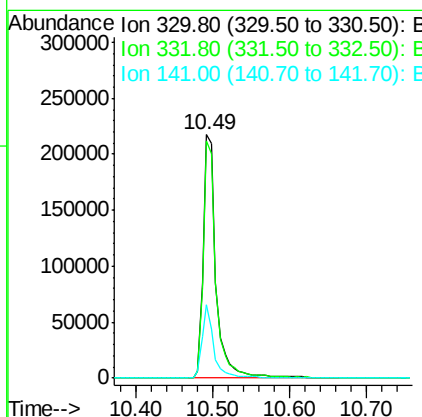
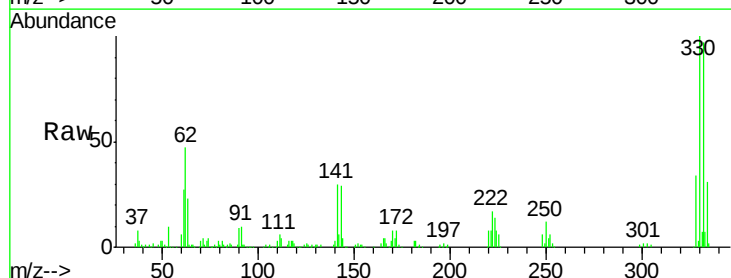
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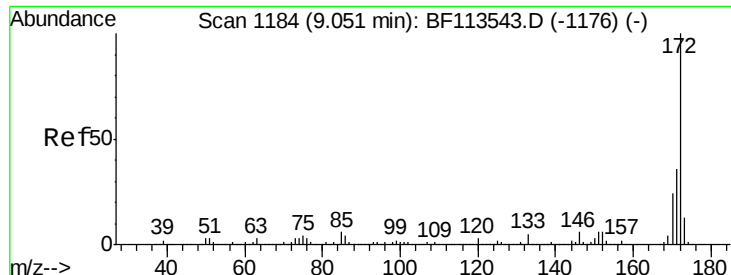
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#42
 2,4,6-Tribromophenol
 Concen: 104.907 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF113775.D
 Acq: 15 Apr 2019 21:03

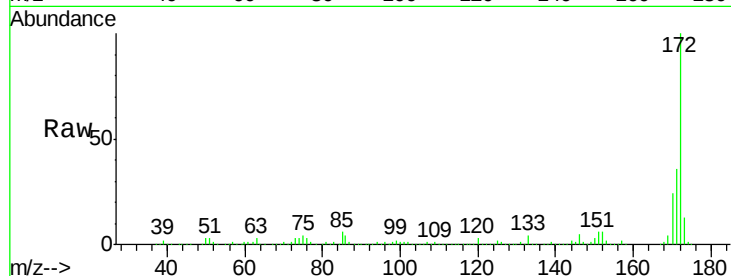
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	256244		
332	96.6	77.8	116.6	
141	27.6	22.7	34.1	





#45
2-Fluorobiphenyl
Concen: 83.179 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

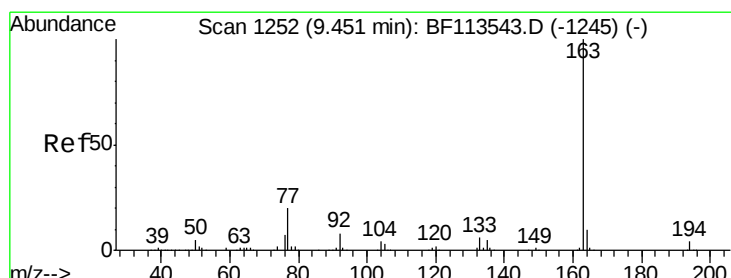
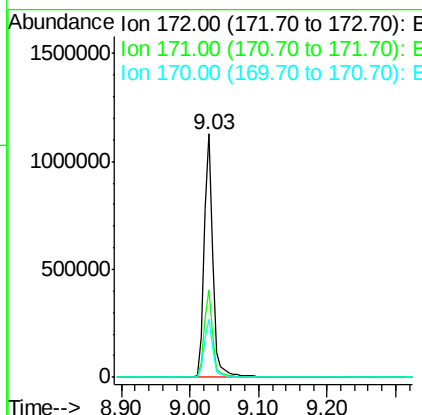
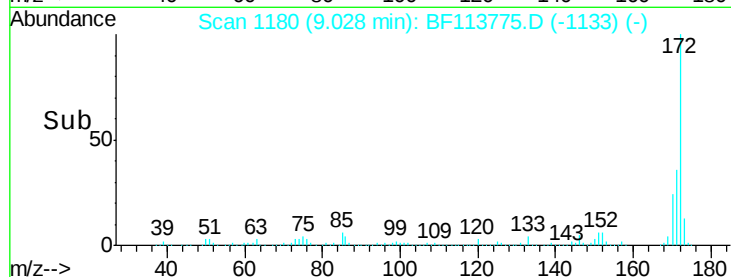
Instrument :
BNA_F
ClientSampled :
TP-1-S



Tgt Ion:172 Resp: 1050593
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 23.8 19.5 29.3

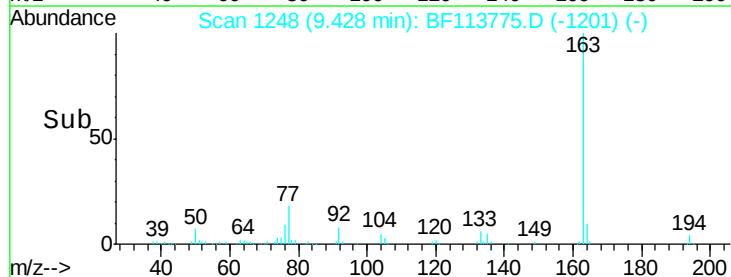
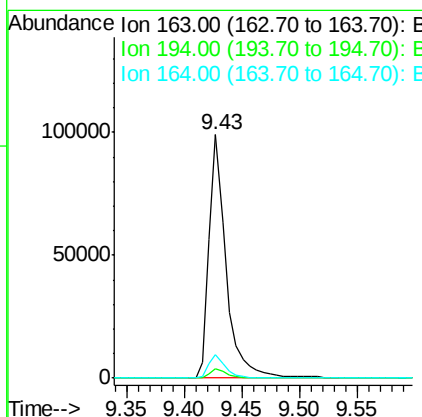
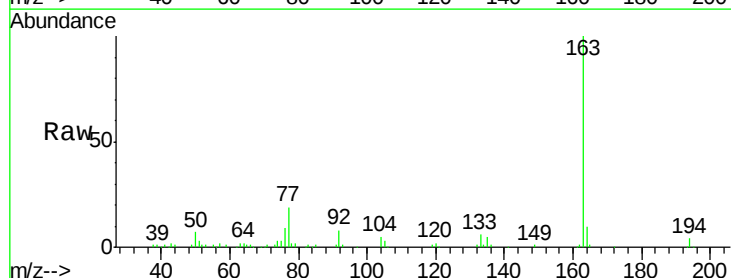
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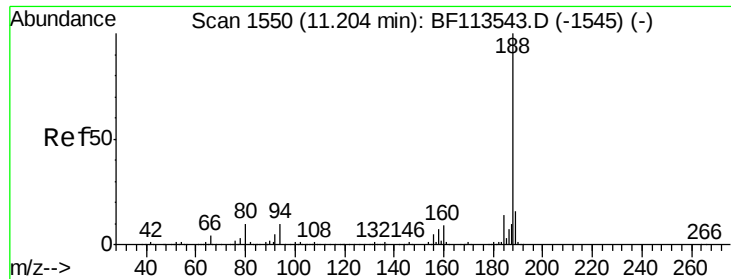
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#50
Dimethylphthalate
Concen: 6.850 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Tgt Ion:163 Resp: 102670
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.6 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: BF113775.D

Acq: 15 Apr 2019 21:03

Instrument :

BNA_F

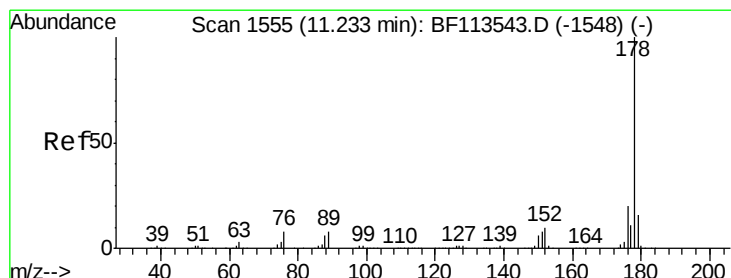
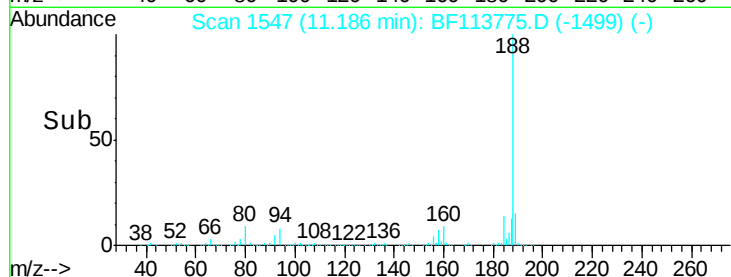
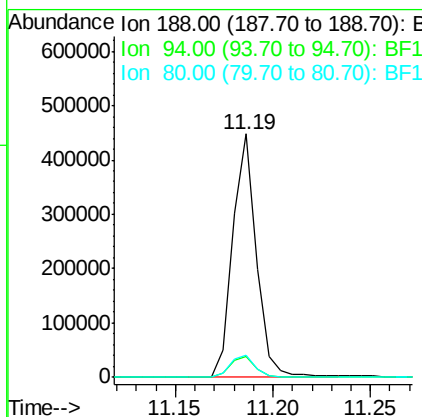
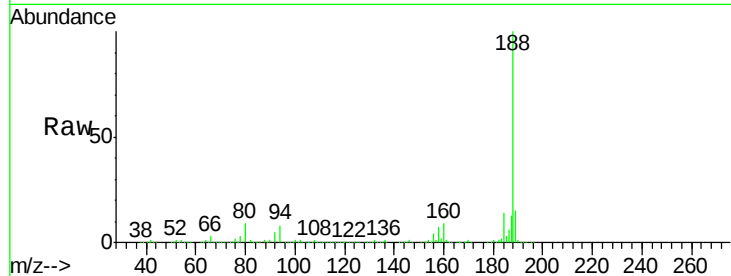
ClientSampleId :

TP-1-S

Tgt	Ion:188	Resp:	377523
Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.0	10.6
80	9.0	7.7	11.5

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#71

Phenanthrene

Concen: 19.532 ng

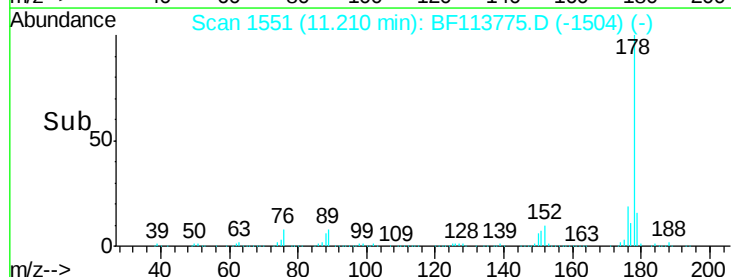
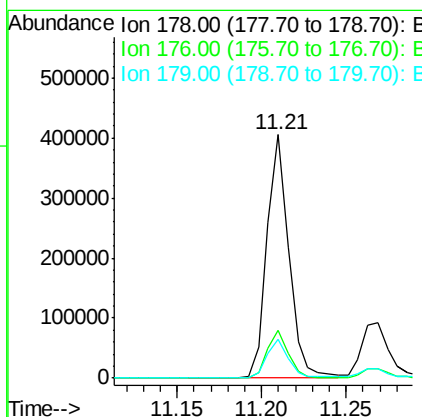
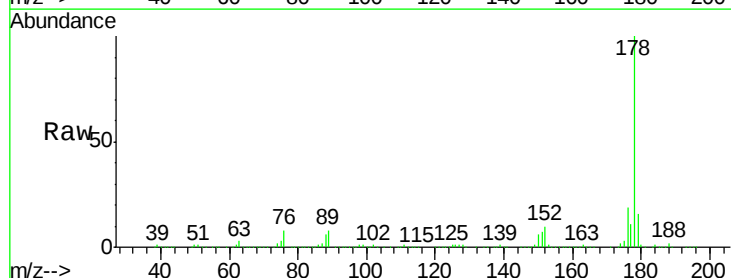
RT: 11.21 min Scan# 1551

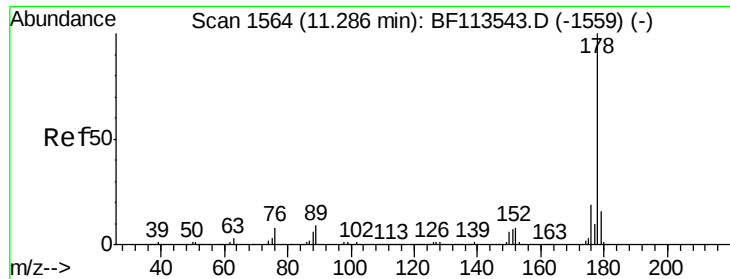
Delta R.T. -0.02 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Tgt	Ion:178	Resp:	366408
Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.9	12.7	19.1





#72

Anthracene

Concen: 5.720 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Instrument :

BNA_F

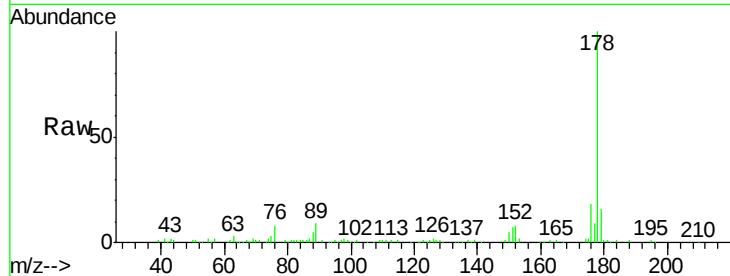
ClientSampleId :

TP-1-S

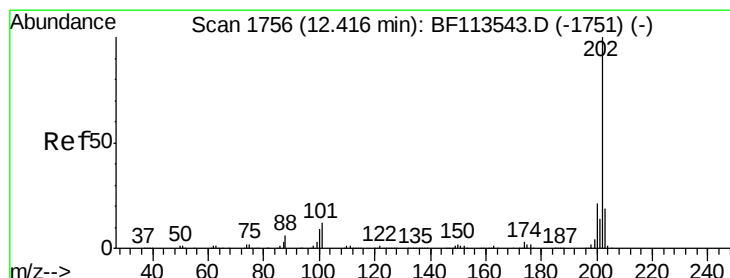
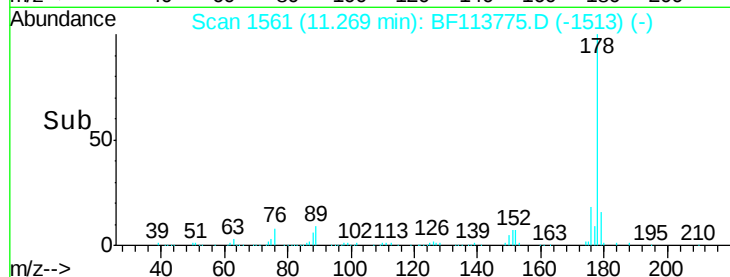
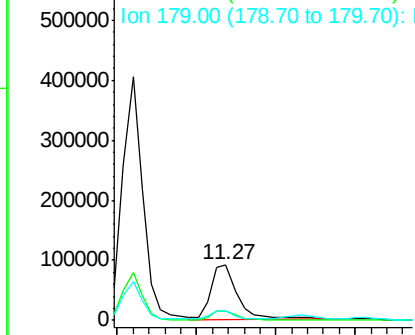
Tgt Ion:	178	Resp:	109175
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.4	23.2
179	16.4	12.8	19.2

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: 44.094 ng

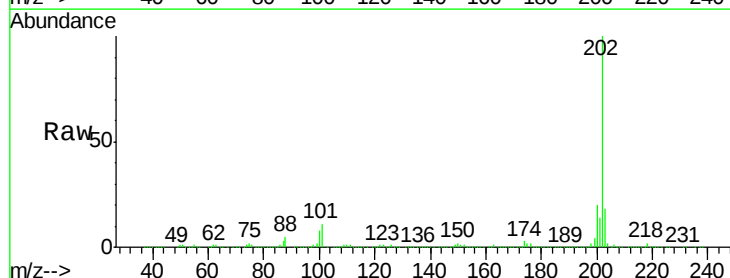
RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

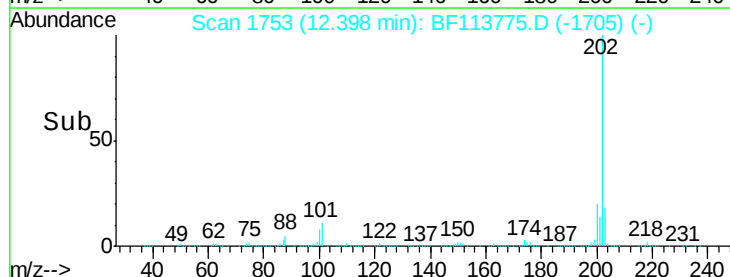
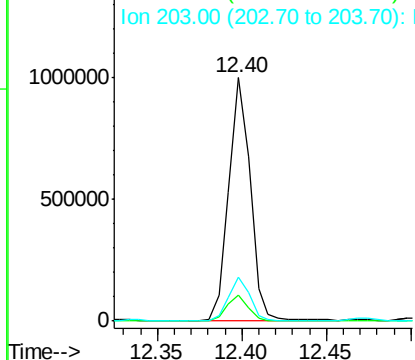
Lab File: BF113775.D

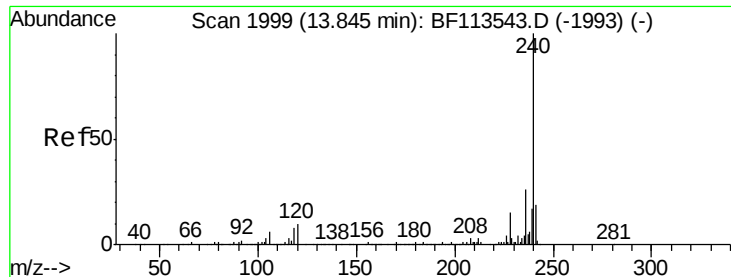
Acq: 15 Apr 2019 21:03

Tgt Ion:	202	Resp:	886381
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.4
203	18.3	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: BF113775.D

Acq: 15 Apr 2019 21:03

Instrument :

BNA_F

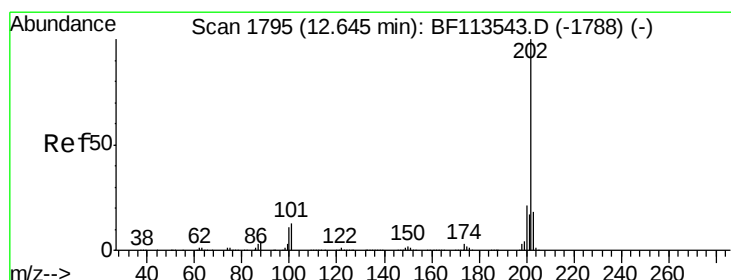
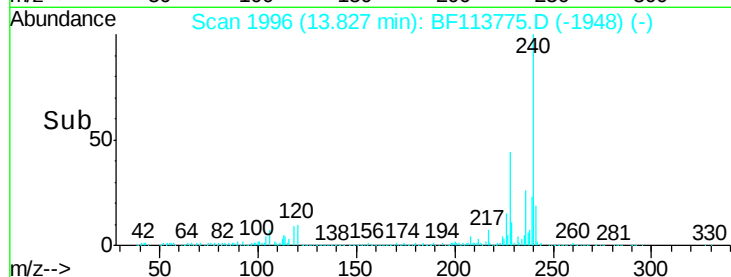
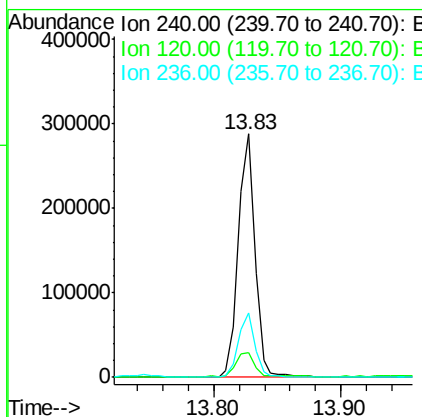
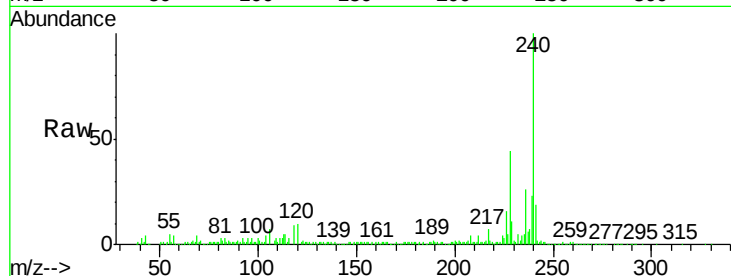
ClientSampleId :

TP-1-S

Tgt Ion:	240	Resp:	258335
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.8	13.2
236	26.2	20.9	31.3

Manual Integrations
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#78

Pyrene

Concen: 44.693 ng

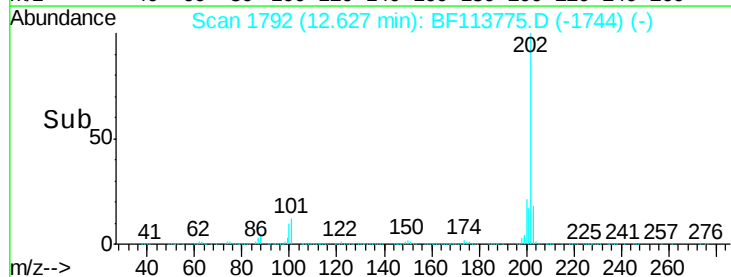
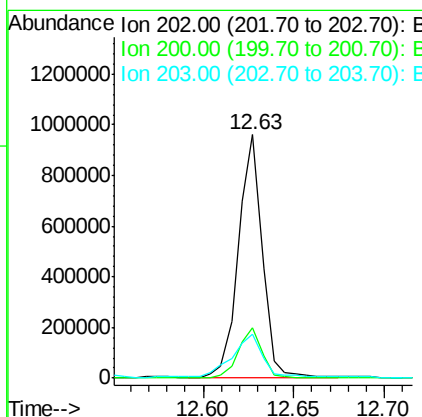
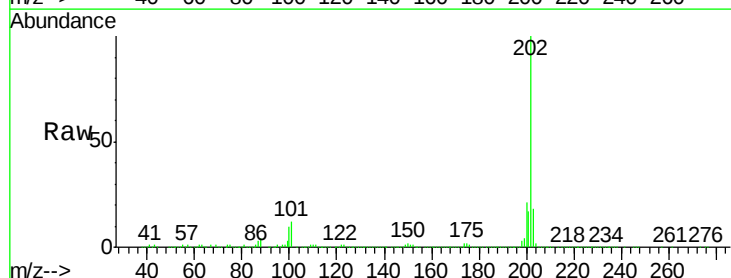
RT: 12.63 min Scan# 1792

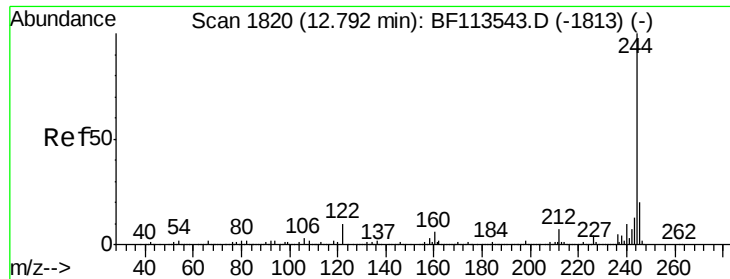
Delta R.T. -0.02 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Tgt Ion:	202	Resp:	878497
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.8	25.2
203	17.9	14.4	21.6





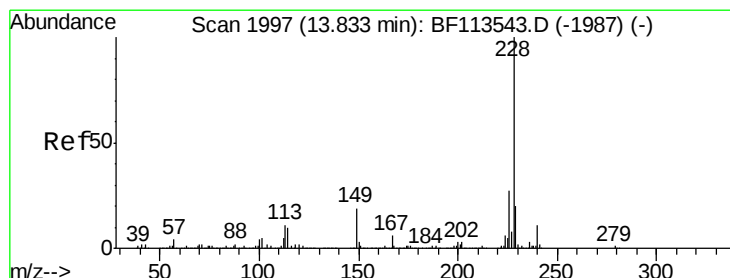
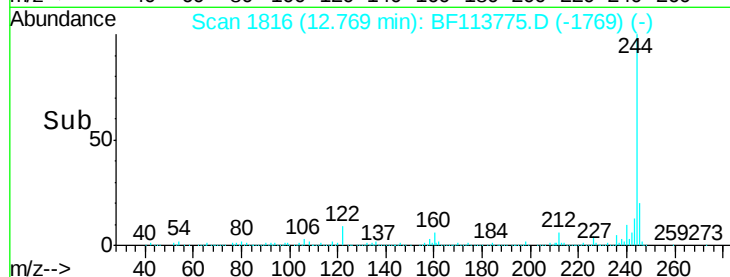
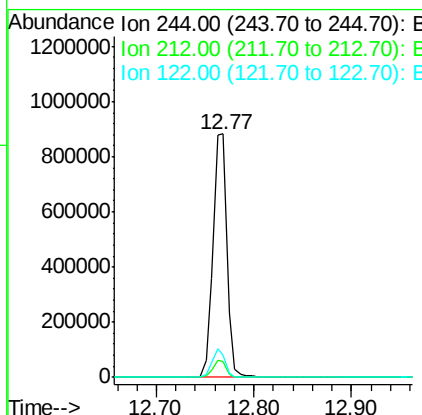
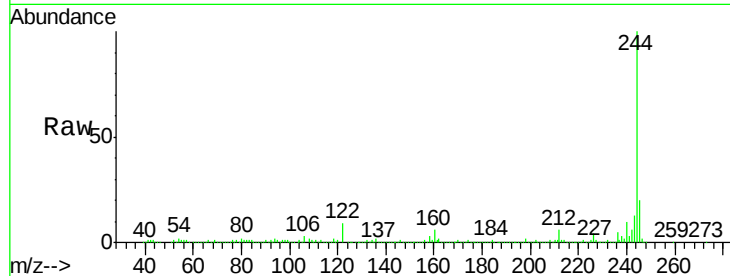
#79
 Terphenyl-d14
 Concen: 69.217 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113775.D
 Acq: 15 Apr 2019 21:03

Instrument :
 BNA_F
 ClientSampled :
 TP-1-S

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	9.2	8.6	13.0

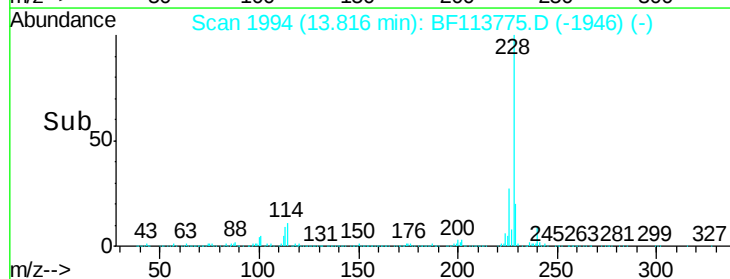
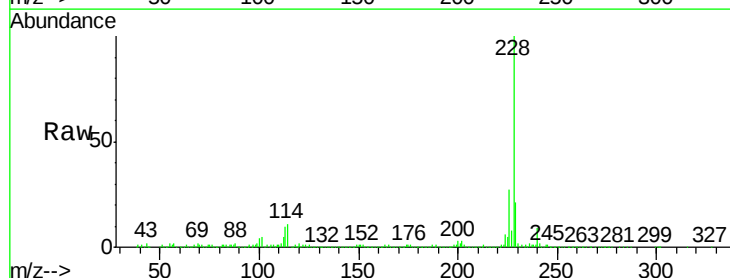
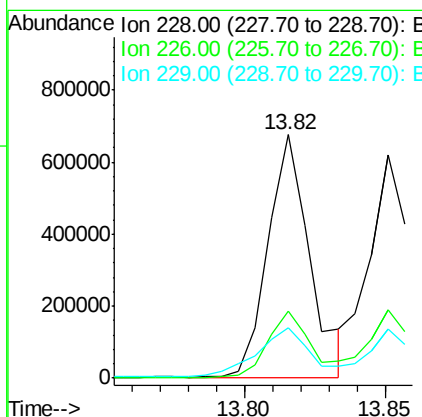
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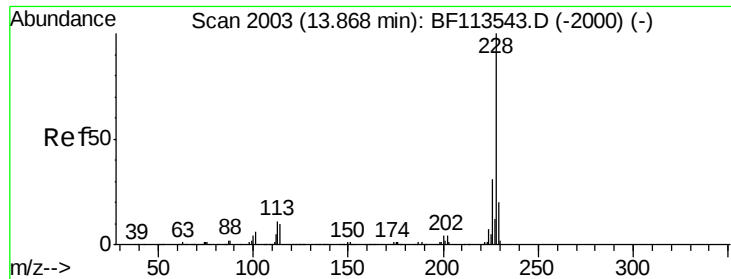
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#81
 Benzo(a)anthracene
 Concen: 46.215 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113775.D
 Acq: 15 Apr 2019 21:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.8	16.2	24.4





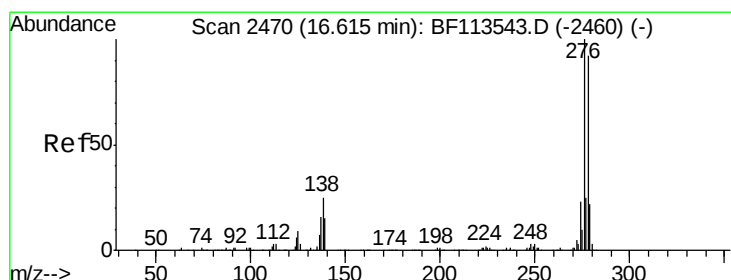
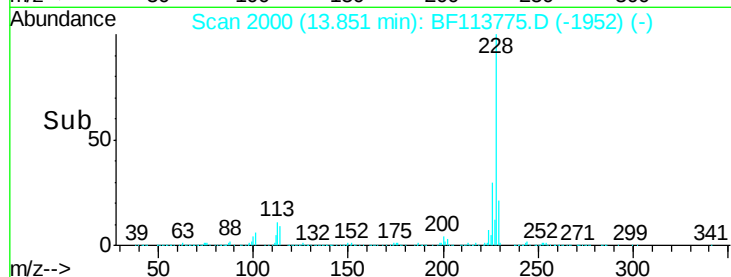
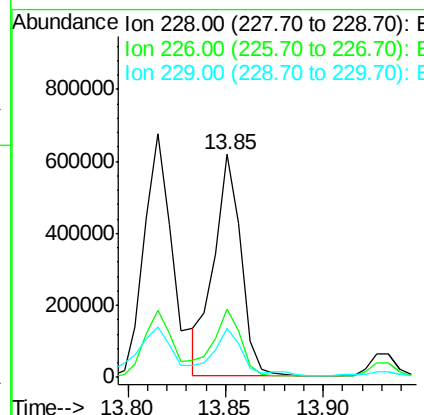
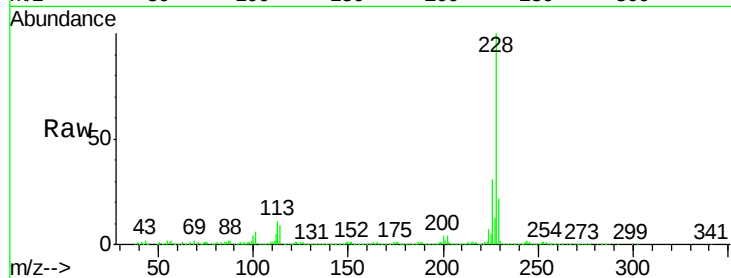
#83
Chrysene
Concen: 39.154 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Instrument :
BNA_F
ClientSampleId :
TP-1-S

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	591488		
226	30.7	24.3	36.5	
229	21.8	16.3	24.5	

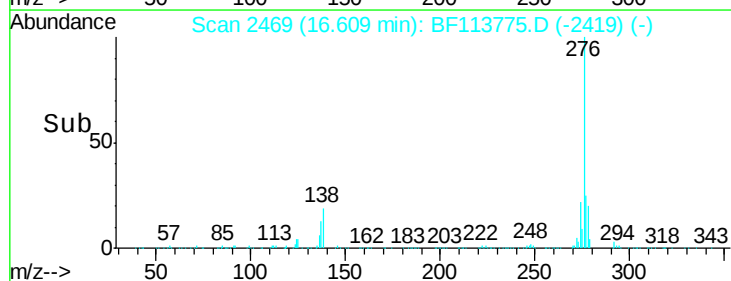
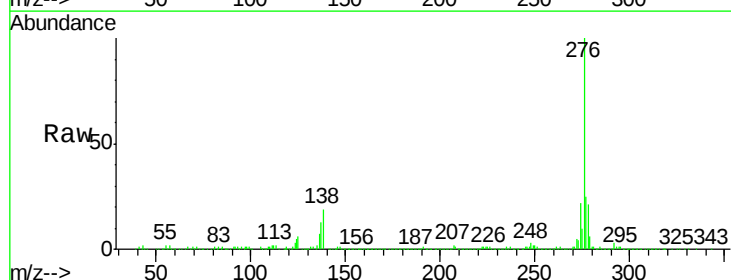
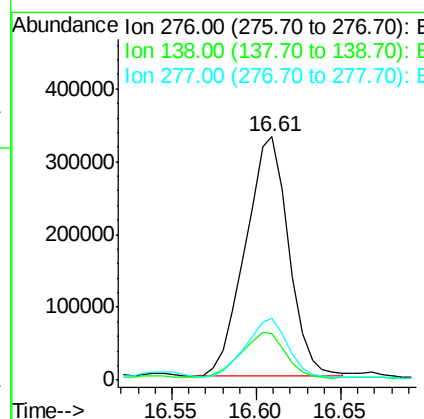
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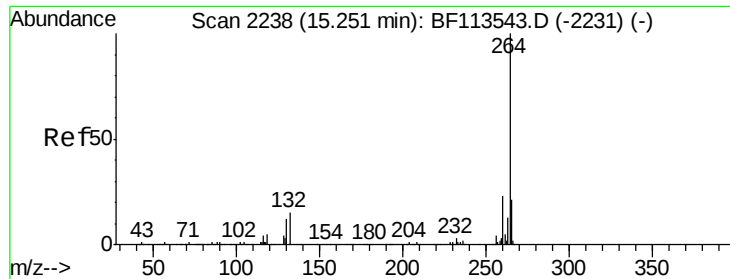
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 42.101 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	587216		
138	20.1	18.1	27.1	
277	23.7	20.2	30.4	





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Instrument :

BNA_F

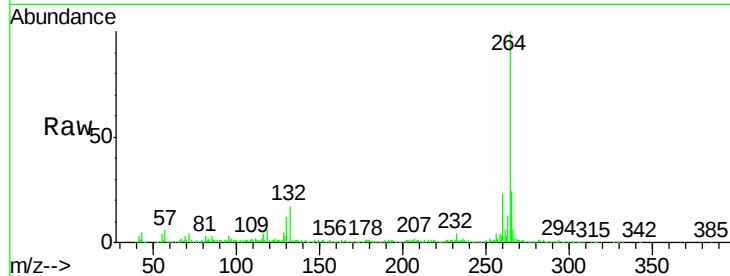
ClientSampleId :

TP-1-S

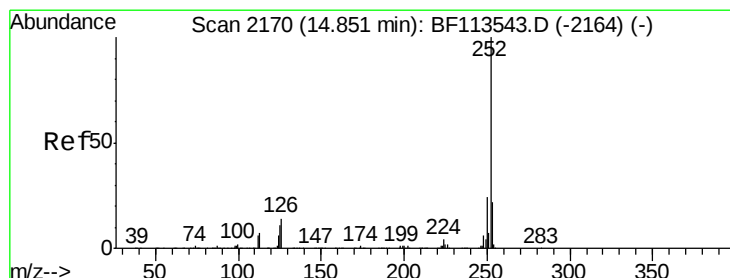
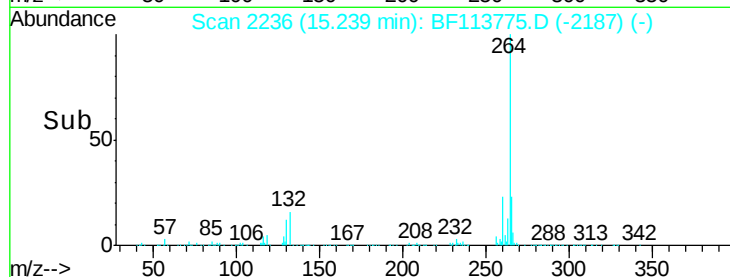
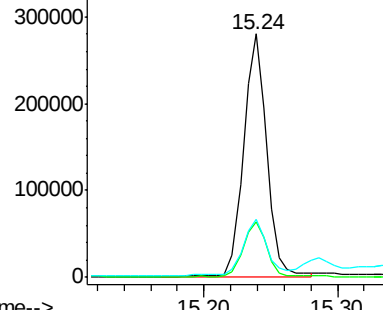
Tgt Ion:	264	Resp:	338307
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.1	28.7
265	23.7	17.1	25.7

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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: 48.198 ng m

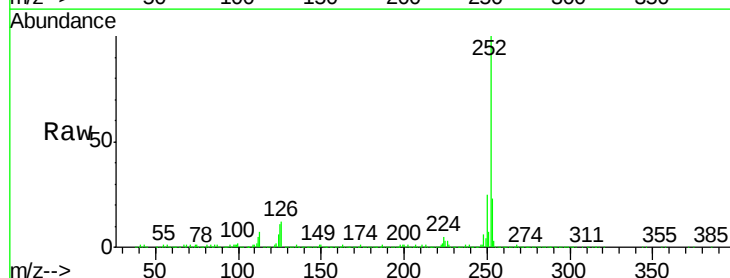
RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

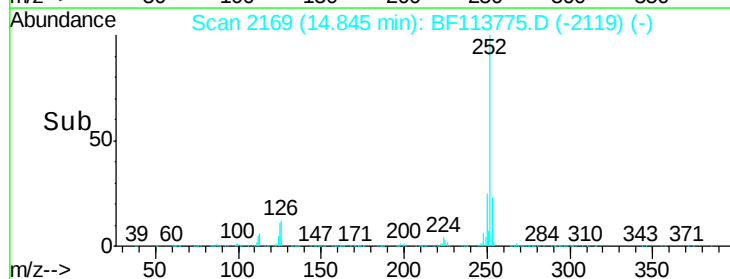
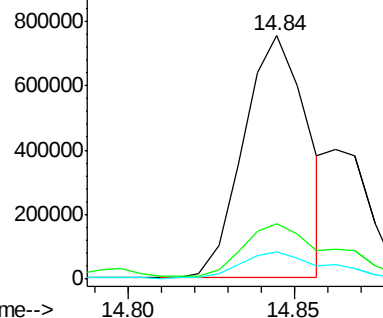
Lab File: BF113775.D

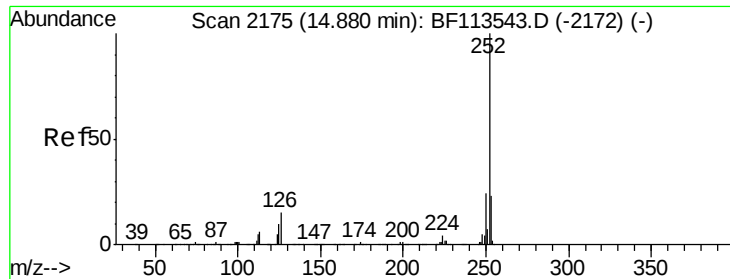
Acq: 15 Apr 2019 21:03

Tgt Ion:	252	Resp:	998113
Ion Ratio	Lower	Upper	
252	100		
253	23.0	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: 19.191 ng m

RT: 14.86 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Instrument :

BNA_F

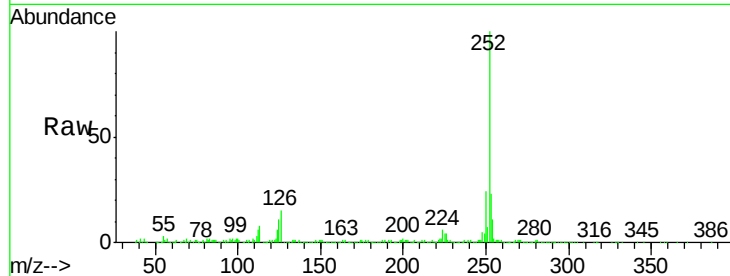
ClientSampled :

TP-1-S

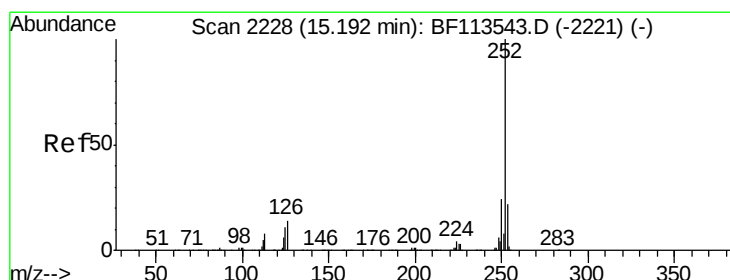
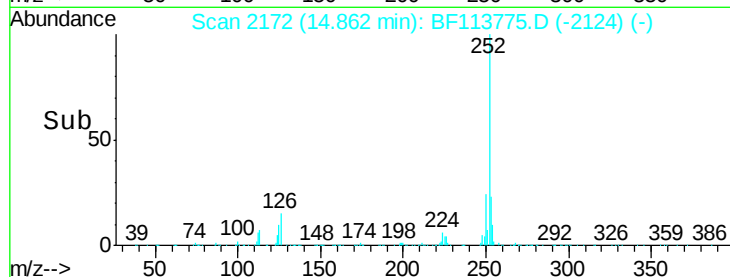
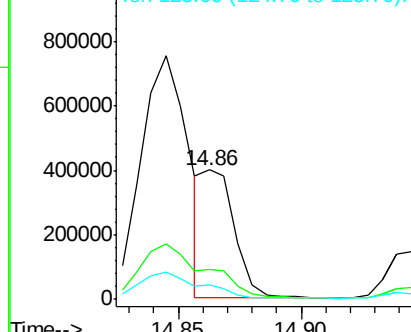
Tgt Ion:	252	Resp:	356675
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	11.0	7.3	10.9#

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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



#90

Benzo(a)pyrene

Concen: 43.521 ng

RT: 15.19 min Scan# 2227

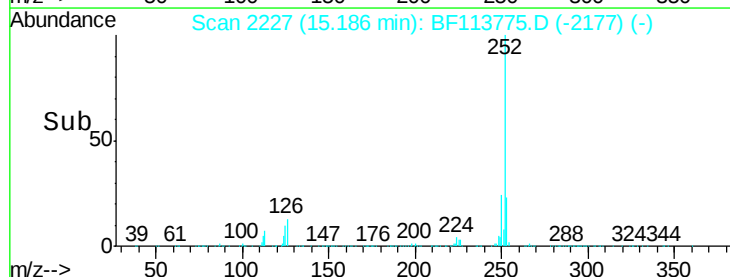
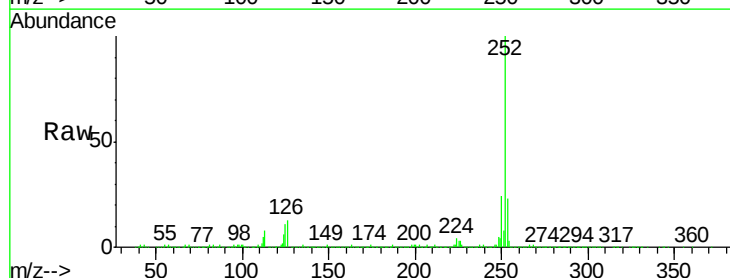
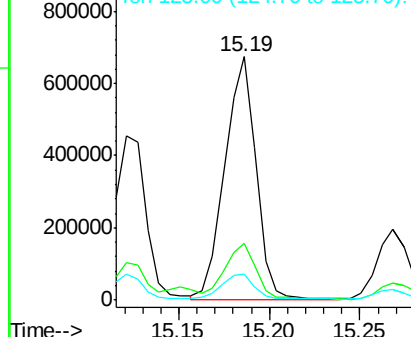
Delta R.T. -0.01 min

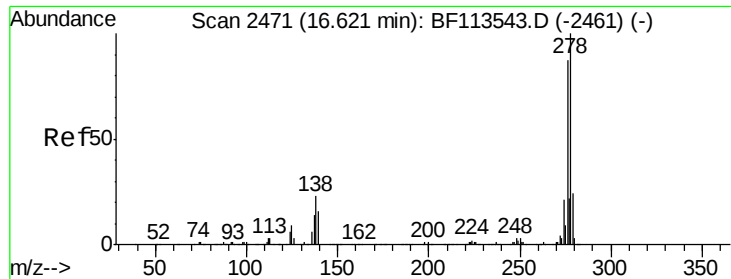
Lab File: BF113775.D

Acq: 15 Apr 2019 21:03

Tgt Ion:	252	Resp:	800852
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	10.8	8.8	13.2

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





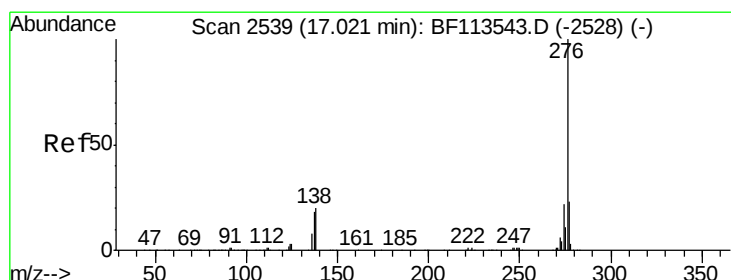
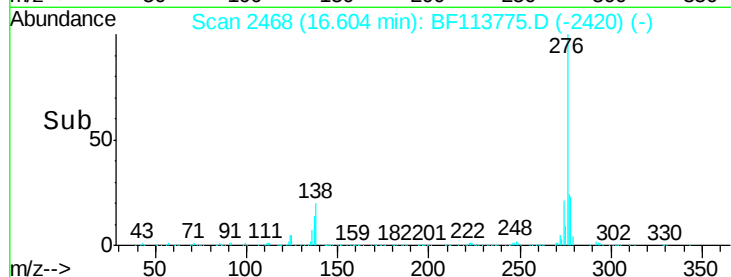
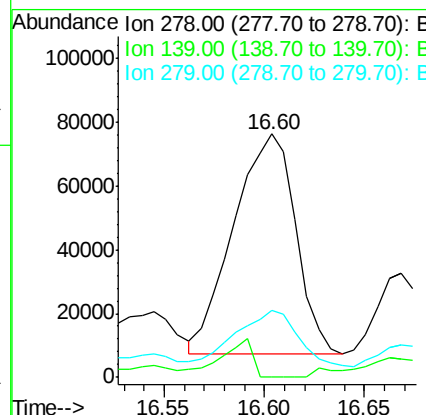
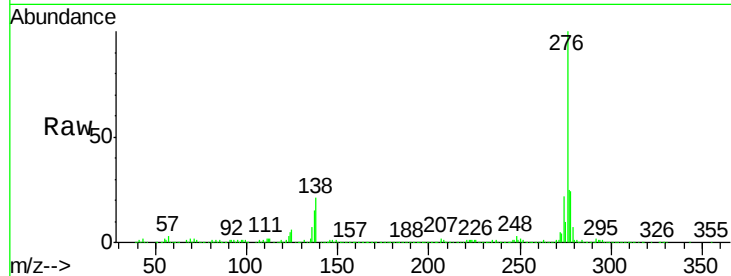
#91
Dibenzo(a,h)anthracene
Concen: 8.656 ng m
RT: 16.60 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Instrument :
BNA_F
ClientSampled :
TP-1-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	27.6	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 32.473 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113775.D
Acq: 15 Apr 2019 21:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	20.3	15.6	23.4

