

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121818\
 Data File : BF111580.D
 Acq On : 18 Dec 2018 16:03
 Operator : JU/SJ
 Sample : J6403-09DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-ADL

Manual Integrations
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Quant Time: Dec 19 02:07:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	129082	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	555080	20.00	ng	-0.02
39) Acenaphthene-d10	9.82	164	279339	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	488274	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	272551	20.00	ng	0.00
87) Perylene-d12	15.39	264	239030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	276563	35.65	ng	-0.02
7) Phenol-d6	6.42	99	359997	34.89	ng	-0.02
23) Nitrobenzene-d5	7.33	82	224878	24.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	84894	33.93	ng	-0.02
45) 2-Fluorobiphenyl	9.13	172	414479	22.92	ng	-0.02
79) Terphenyl-d14	12.89	244	354600	30.55	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.08	128	134503	5.181	ng	95
37) 2-Methylnaphthalene	8.77	142	46854	2.667	ng	97
50) Dimethylphthalate	9.53	163	48282	2.400	ng	# 98
52) Acenaphthene	9.85	154	124471	7.374	ng	98
55) Dibenzofuran	10.02	168	141559	5.778	ng	96
58) Fluorene	10.36	166	189635	10.671	ng	97
71) Phenanthrene	11.33	178	1616987	64.269	ng	94
72) Anthracene	11.38	178	484112	18.815	ng	94
73) Carbazole	11.53	167	170847	6.421	ng	94
75) Fluoranthene	12.52	202	1343101	54.567	ng	95
78) Pyrene	12.74	202	1051272	54.709	ng	96
81) Benzo(a)anthracene	13.93	228	373738	25.219	ng	97
83) Chrysene	13.97	228	313932	20.109	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	134890	11.972	ng	# 81
88) Benzo(b)fluoranthene	14.97	252	282933m	20.303	ng	
89) Benzo(k)fluoranthene	14.99	252	132449m	9.947	ng	
90) Benzo(a)pyrene	15.33	252	234752m	18.680	ng	
91) Dibenzo(a,h)anthracene	16.81	278	33164m	3.345	ng	
92) Benzo(a,h,i)perylene	17.23	276	121685	12.505	ng	# 89

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

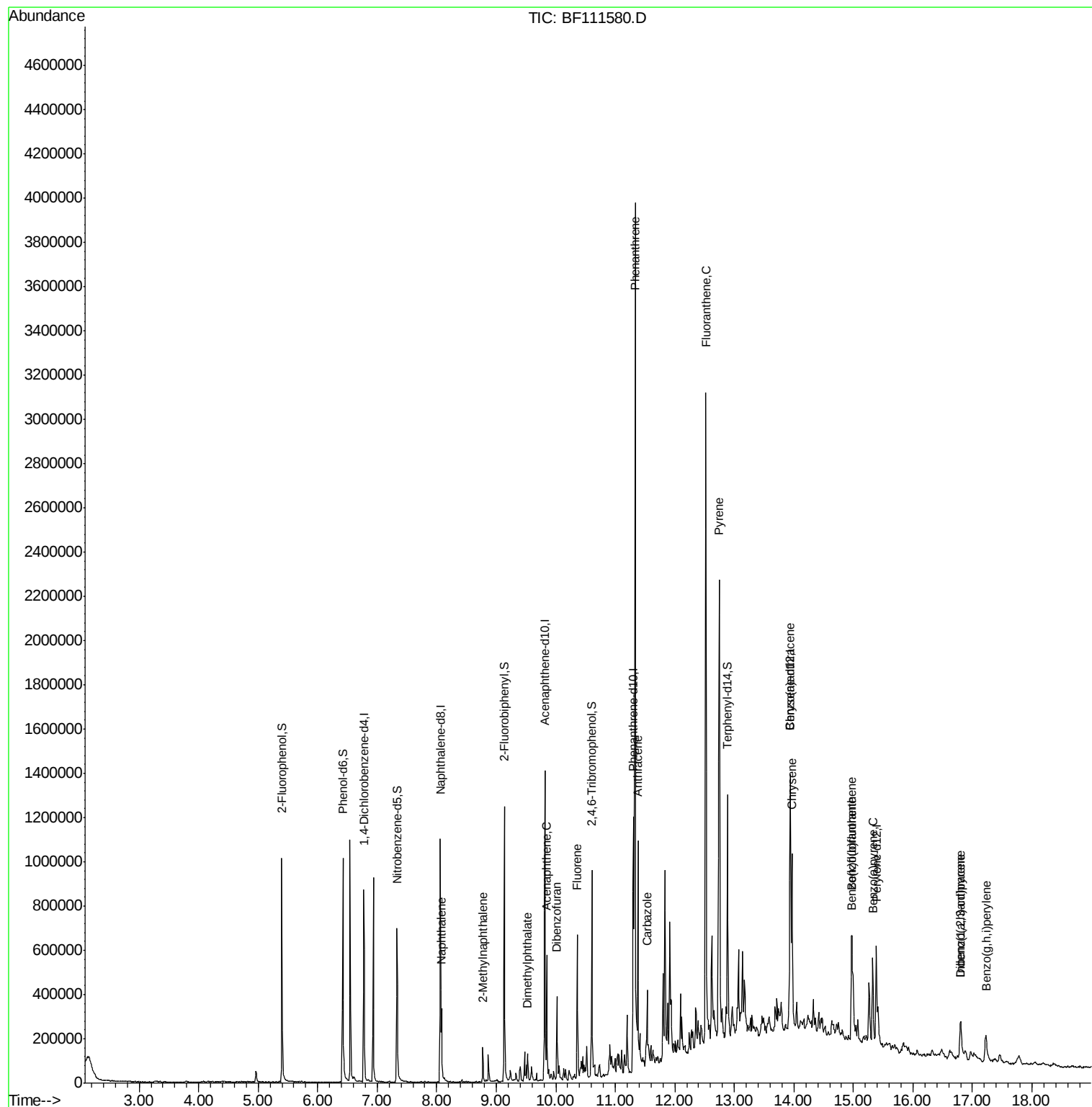
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121818\
Data File : BF111580.D
Acq On : 18 Dec 2018 16:03
Operator : JU/SJ
Sample : J6403-09DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

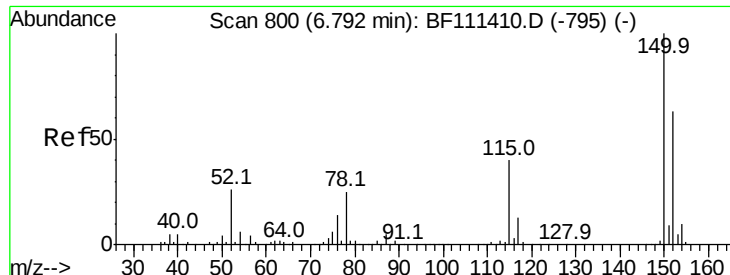
Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

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Quant Time: Dec 19 02:07:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

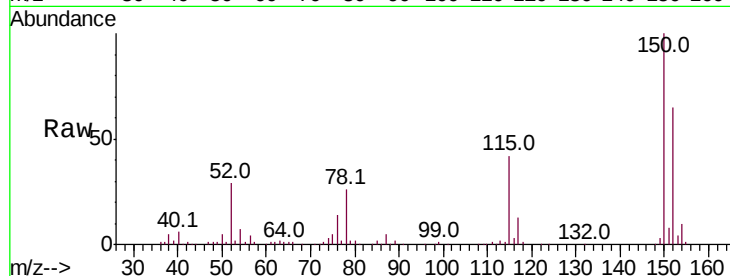
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampled :
TP-2-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.6	189.8
115	63.8	50.7	76.1

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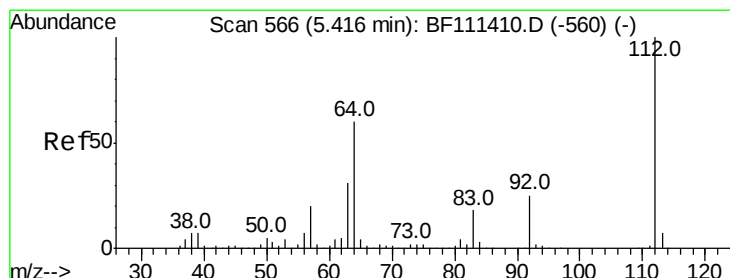
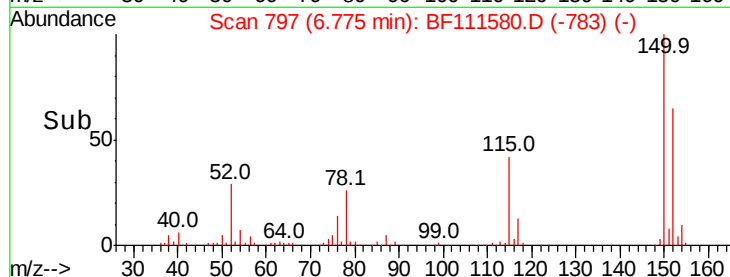
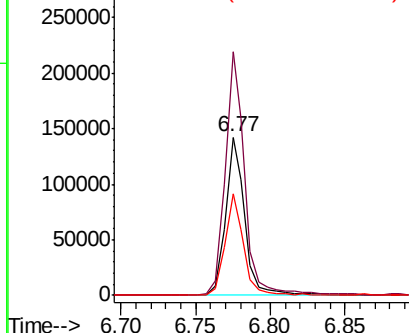


Abundance

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: 35.653 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

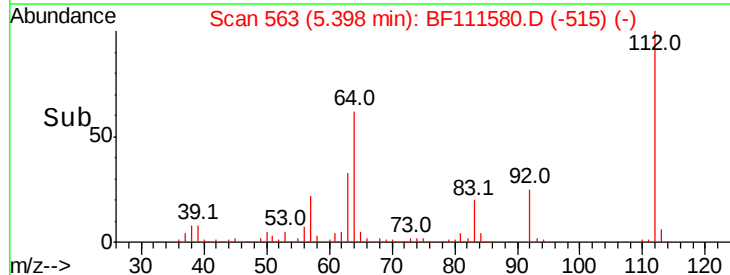
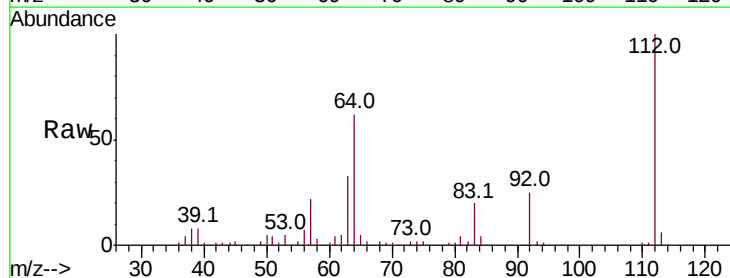
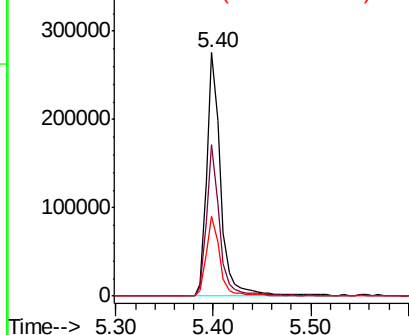
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.8	77.6
63	32.7	26.8	40.2

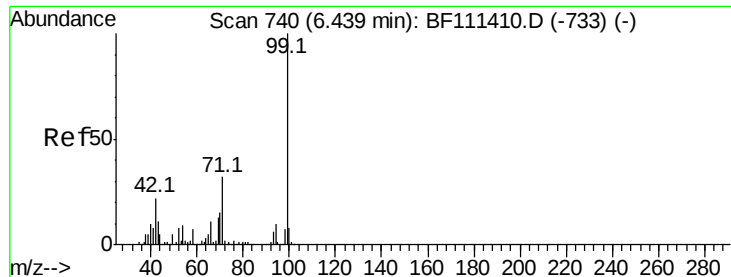
Abundance

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: 34.889 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

Instrument :

BNA_F

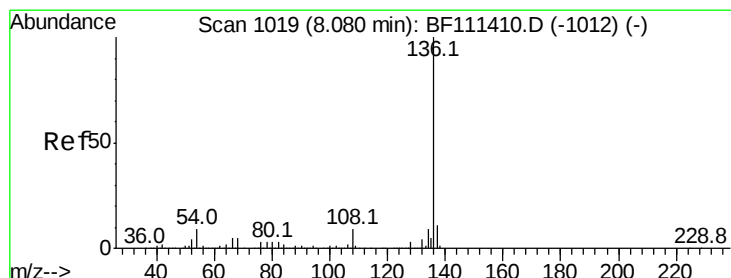
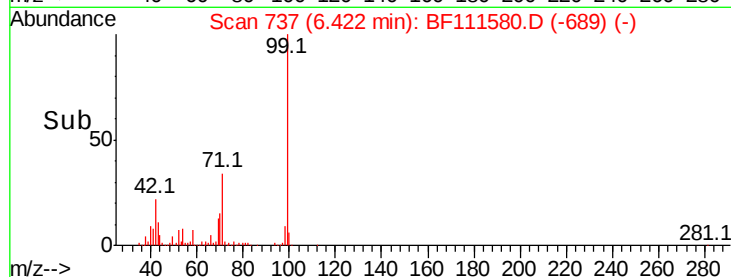
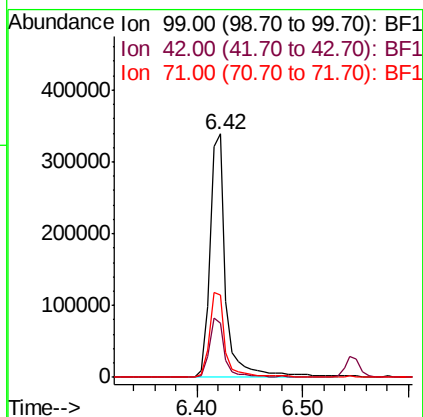
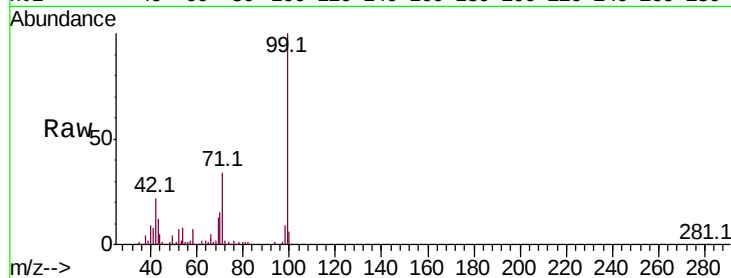
ClientSampleId :

TP-2-ADL

Tot Ion:	99	Resp:	359997
Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.4	26.0
71	34.0	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

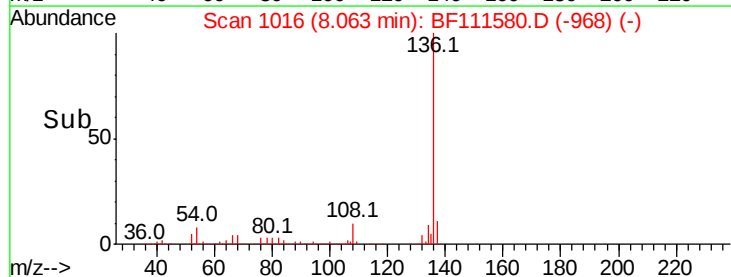
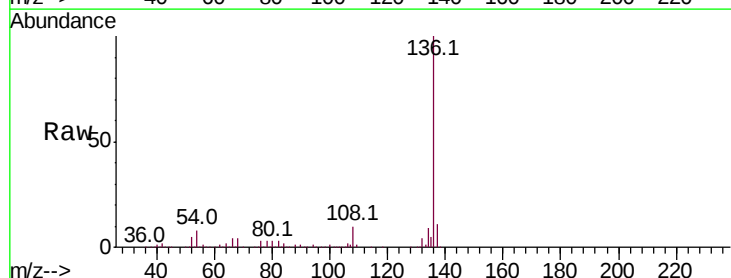
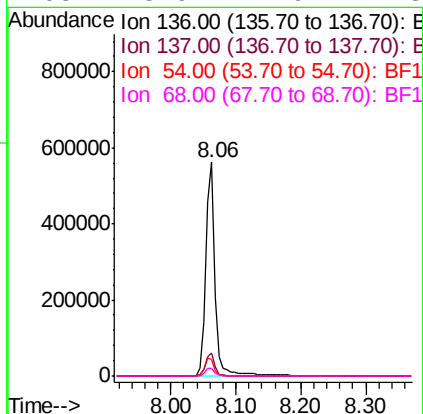
RT: 8.06 min Scan# 1016

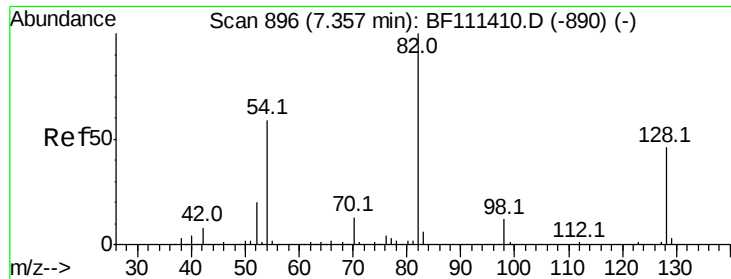
Delta R.T. -0.02 min

Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

Tgt Ion:	136	Resp:	555080
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.8	7.7	11.5
68	3.9	4.9	7.3#





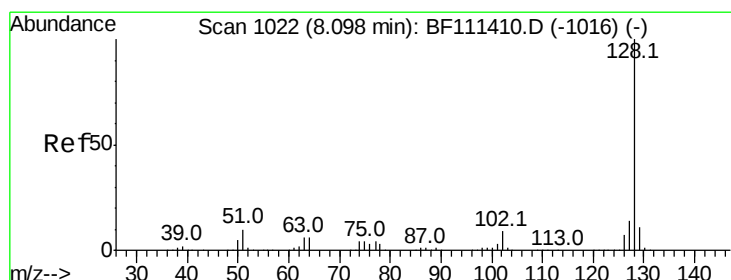
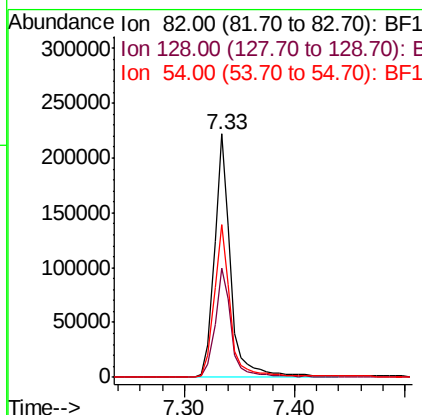
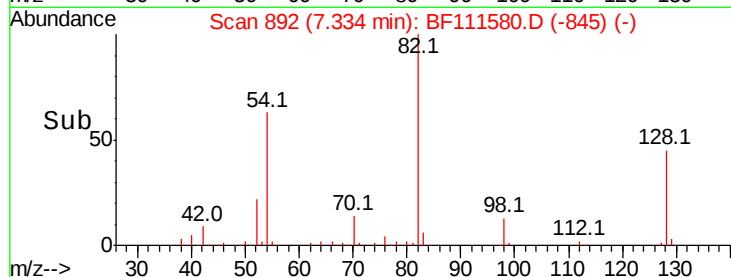
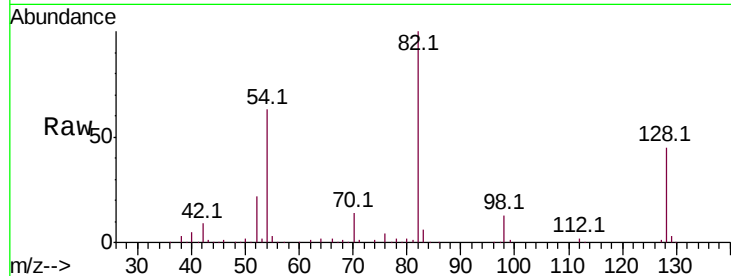
#23
Nitrobenzene-d5
Concen: 24.125 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampled :
TP-2-ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.4	56.2
54	62.7	47.6	71.4

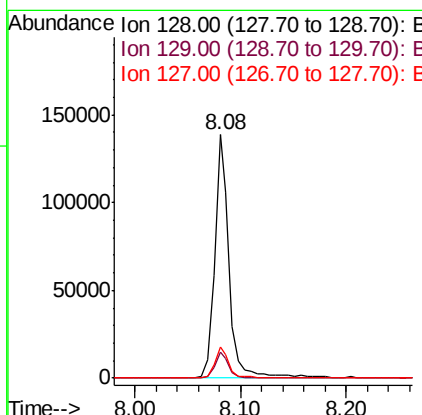
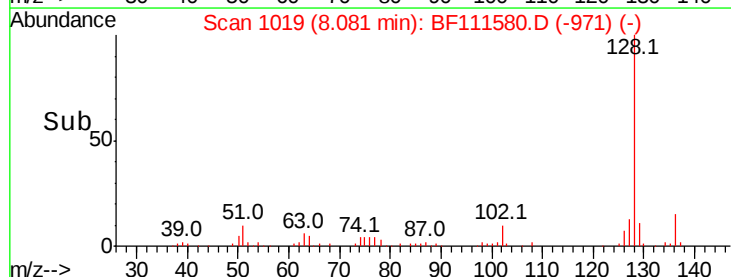
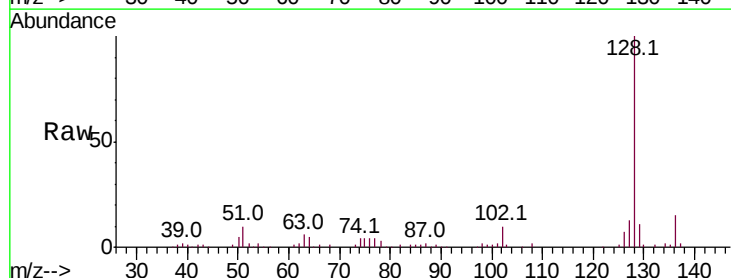
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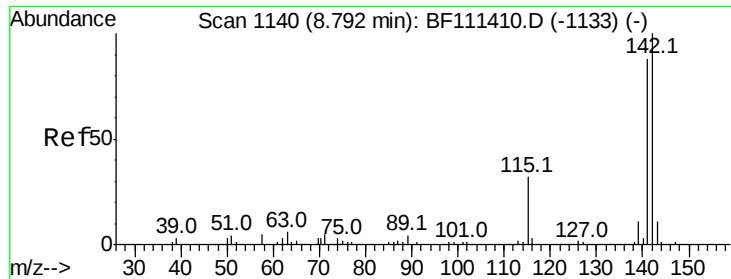
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#31
Naphthalene
Concen: 5.181 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.8
127	12.6	12.0	18.0





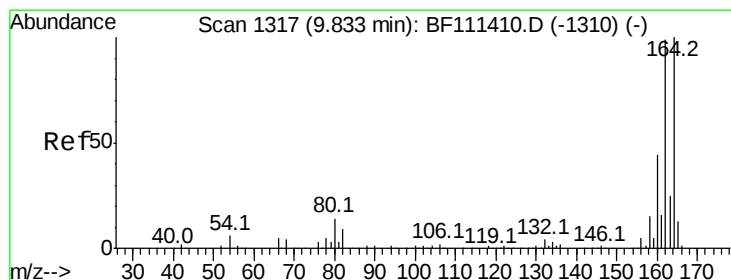
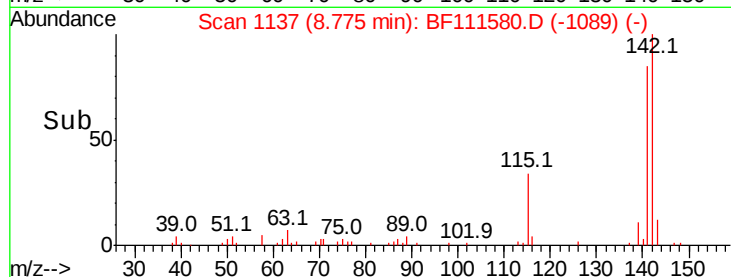
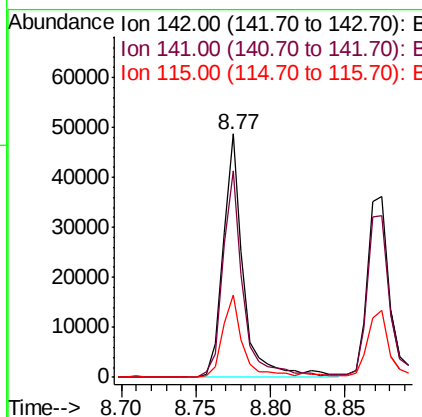
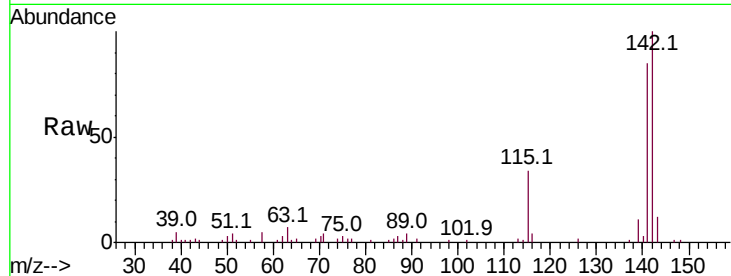
#37
2-Methylnaphthalene
Concen: 2.667 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.8	70.6	105.8
115	33.7	27.0	40.6

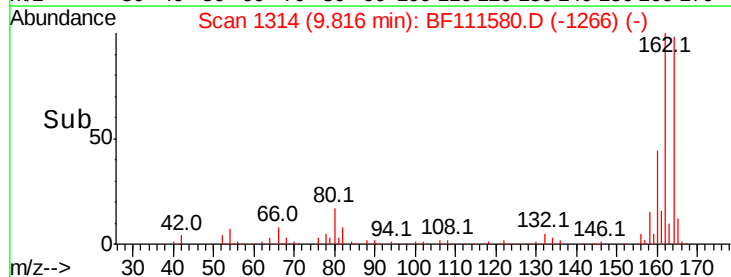
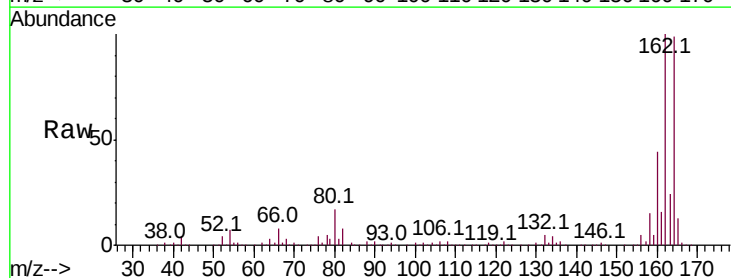
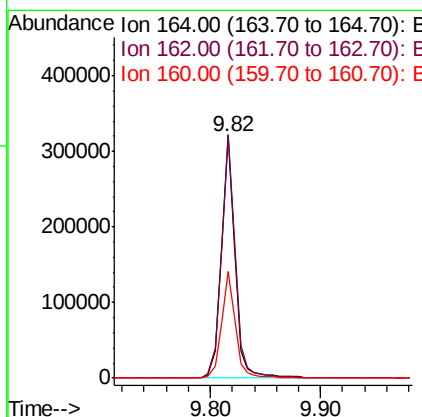
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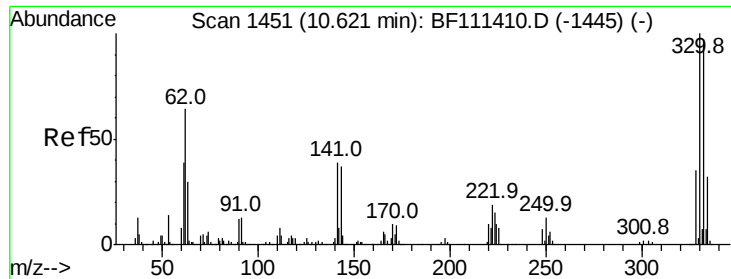
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.4	122.0
160	43.9	35.7	53.5





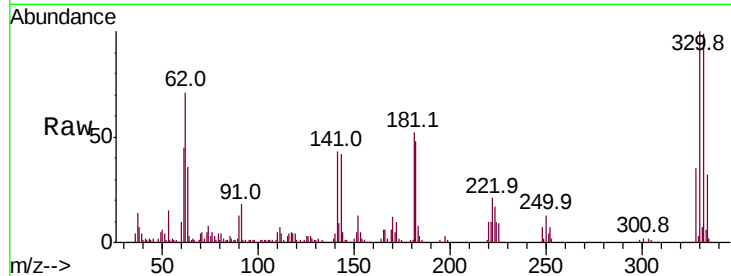
#42
 2,4,6-Tribromophenol
 Concen: 33.927 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-ADL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.0	114.0
141	46.0	31.0	46.6

Manual Integrations
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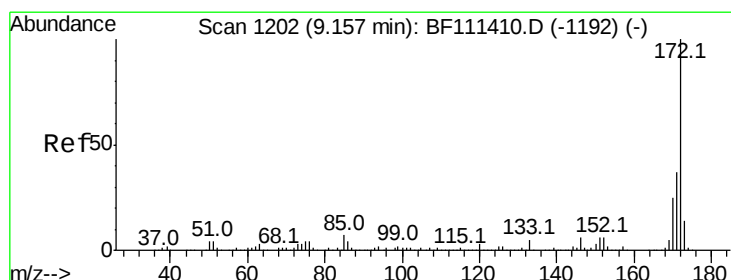
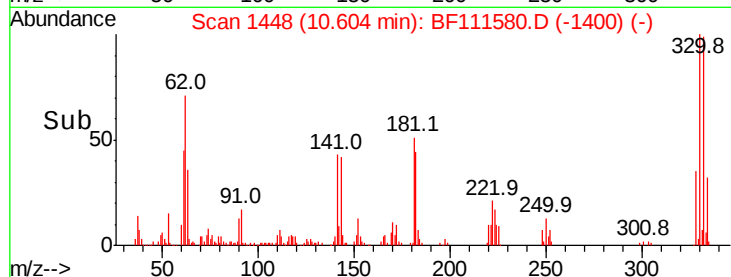
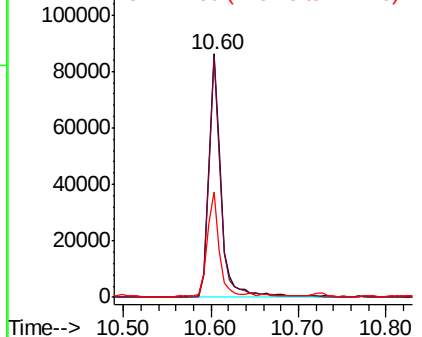


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 22.919 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

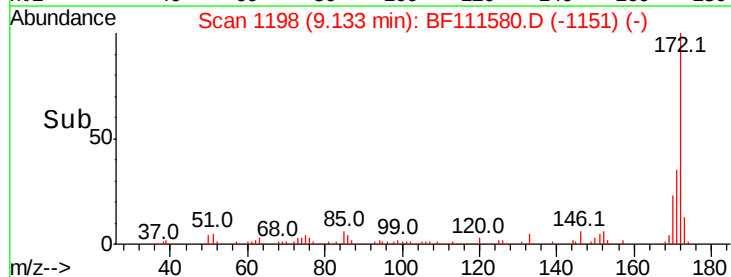
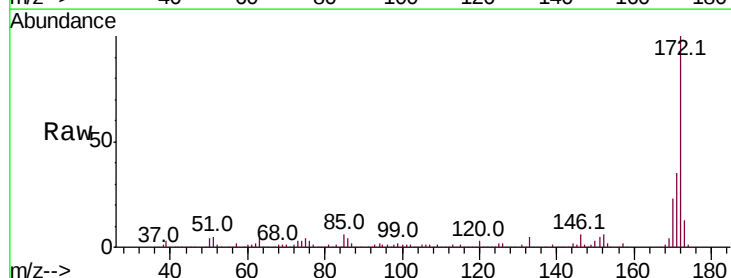
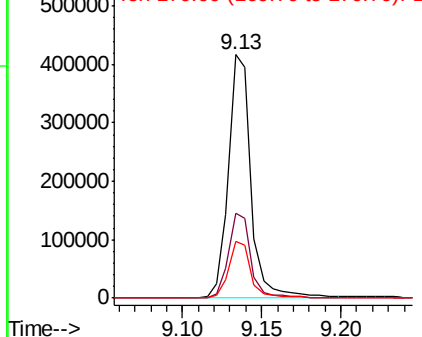
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	33.0	49.4
170	23.3	22.3	33.5

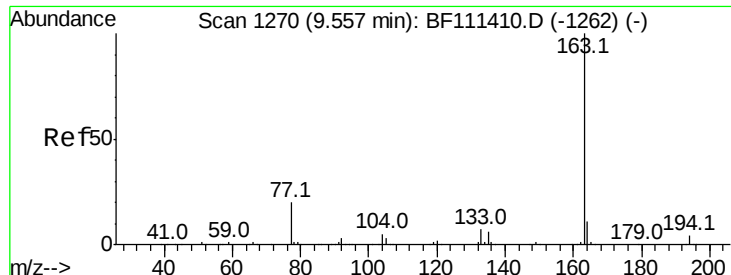
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





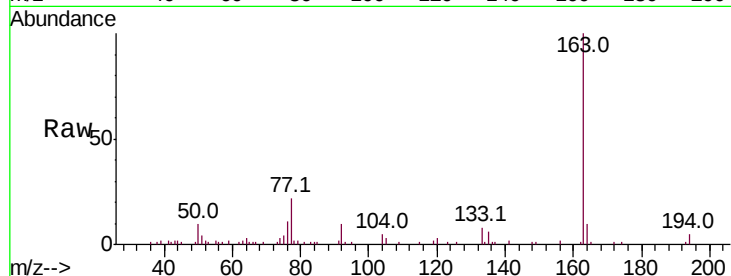
#50
Dimethylphthalate
Concen: 2.400 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	48282		
194	4.6		3.0	4.6#
164	10.3		8.9	13.3

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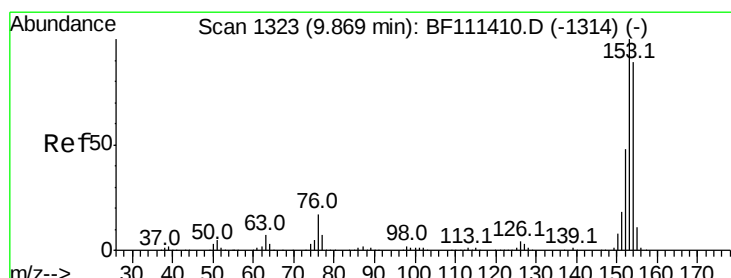
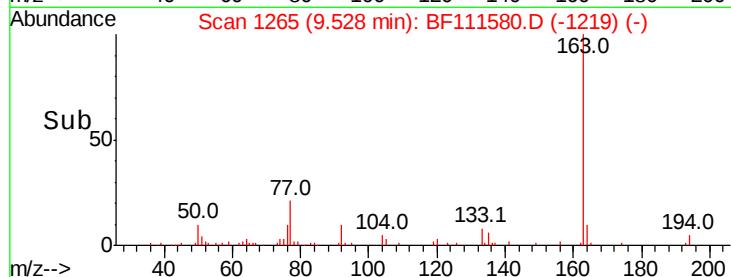
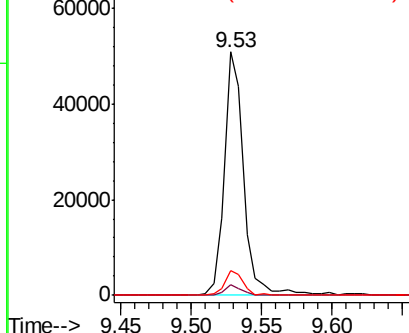


Abundance

Ion 163.00 (162.70 to 163.70): E

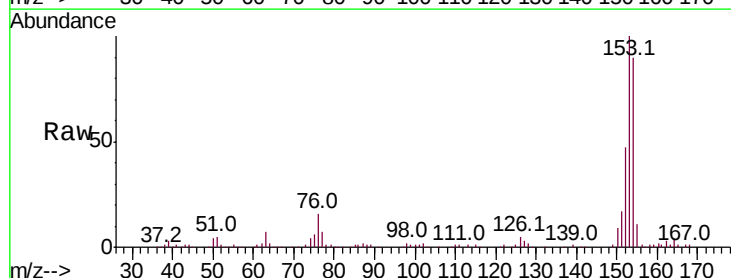
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 7.374 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	124471		
153	111.3		87.8	131.8
152	52.4		43.4	65.2

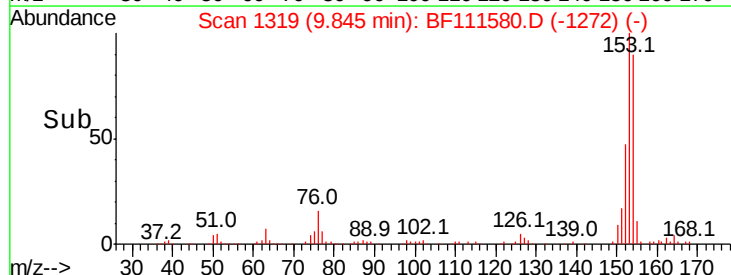
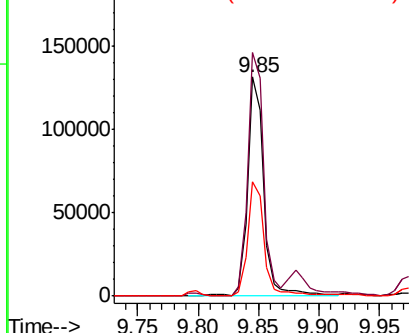


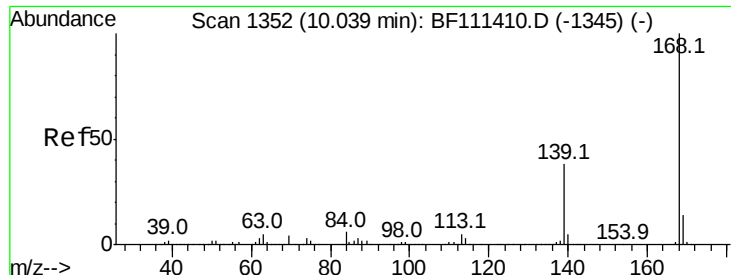
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





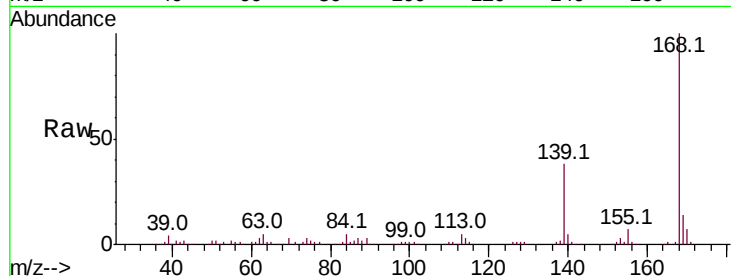
#55
Dibenzofuran
Concen: 5.778 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.6	49.0
169	13.9	11.8	17.6

Manual Integrations
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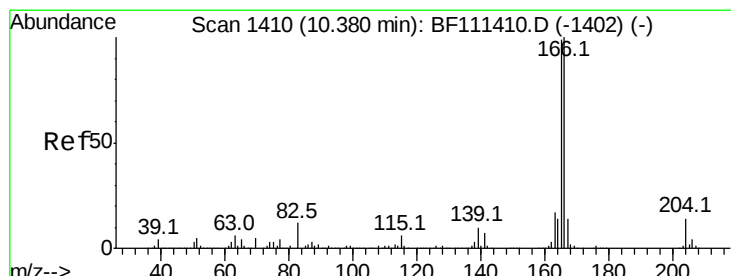
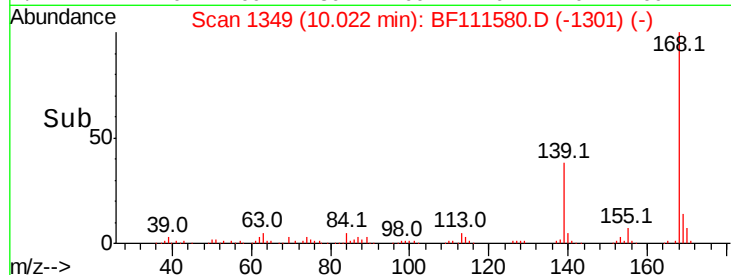
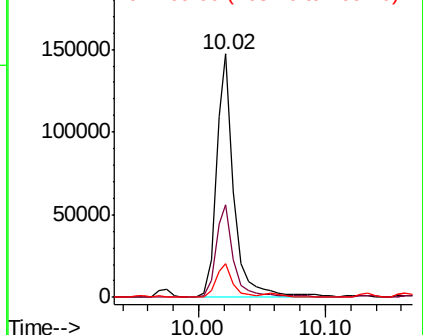


Abundance

Ion 168.00 (167.70 to 168.70): E

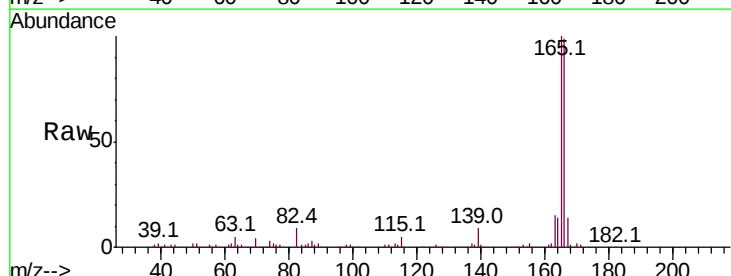
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 10.671 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.4	117.6
167	13.7	11.2	16.8

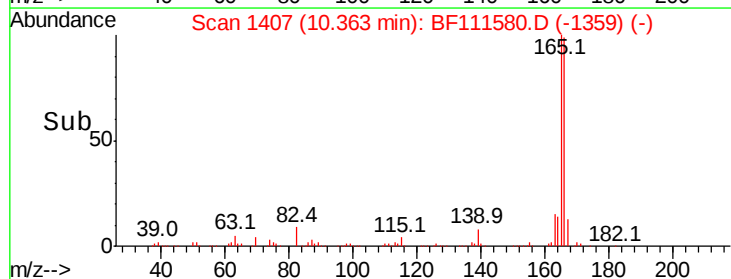
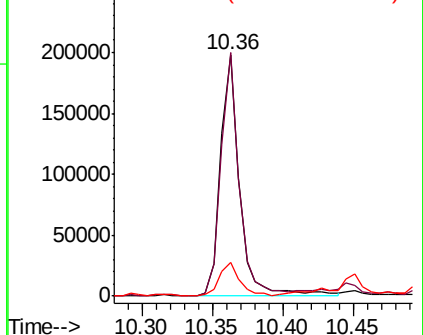


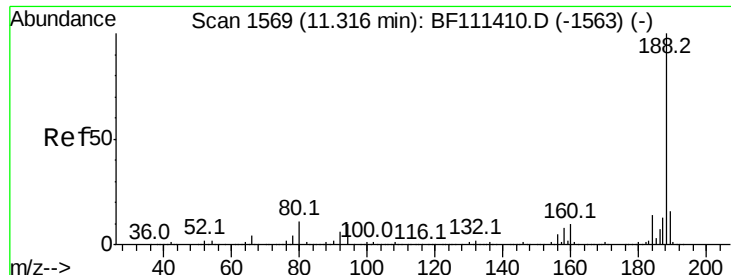
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





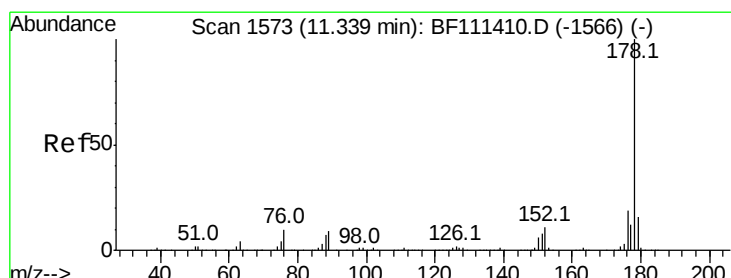
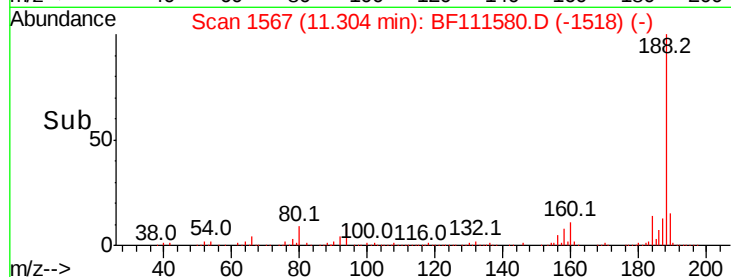
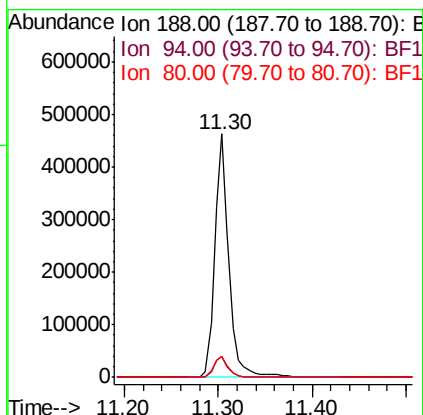
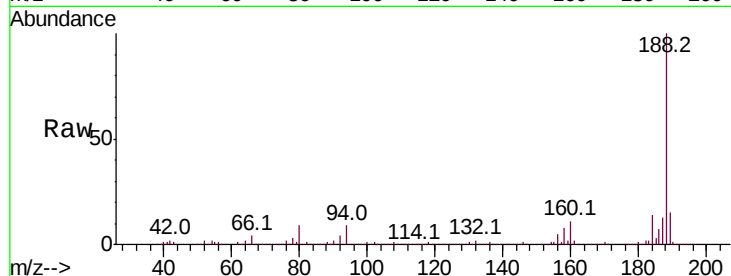
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	488274		
94	8.5	9.6	14.4#	
80	8.7	9.8	14.6#	

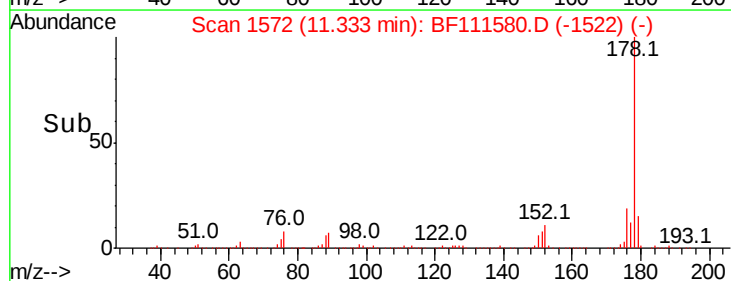
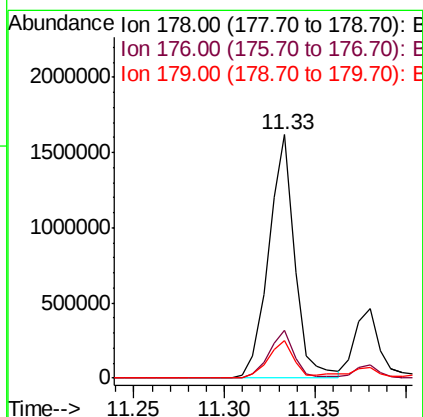
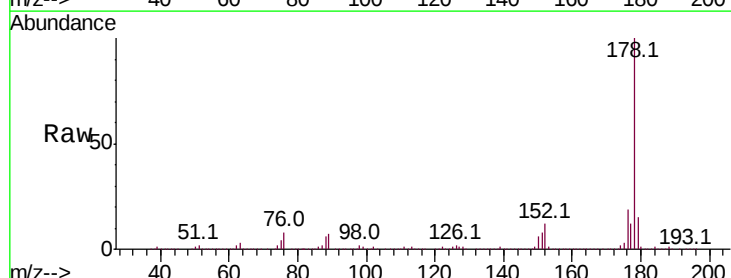
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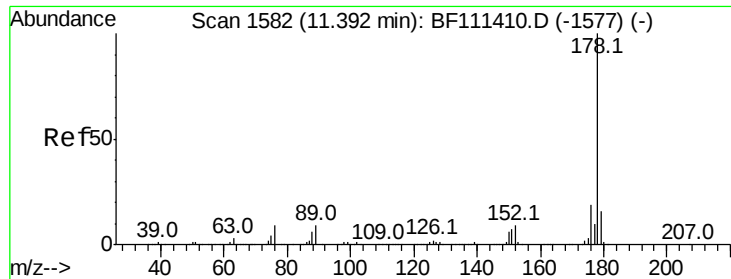
Sohil
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#71
Phenanthrene
Concen: 64.269 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1616987		
176	19.4	18.1	27.1	
179	15.4	14.0	21.0	





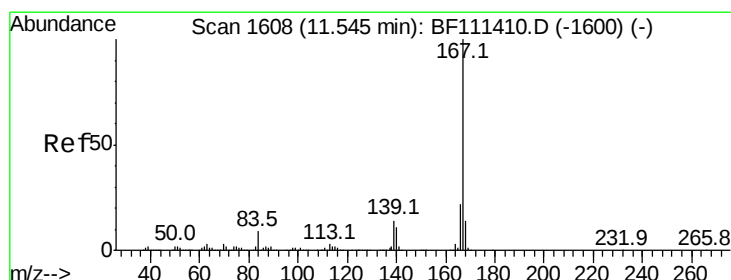
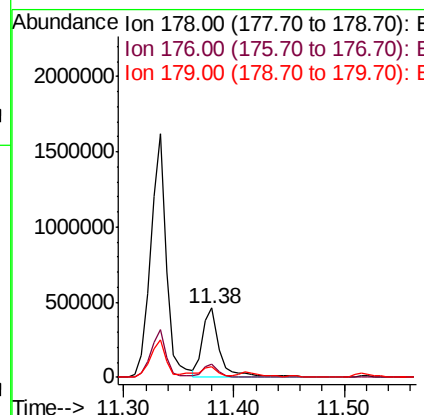
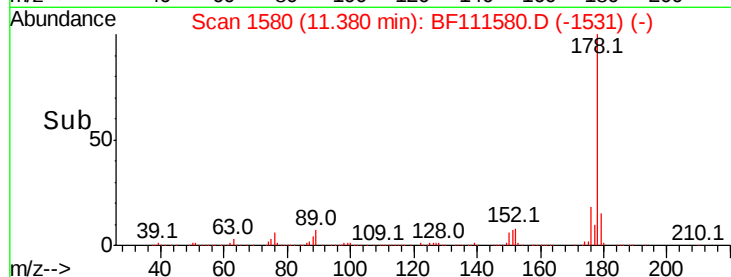
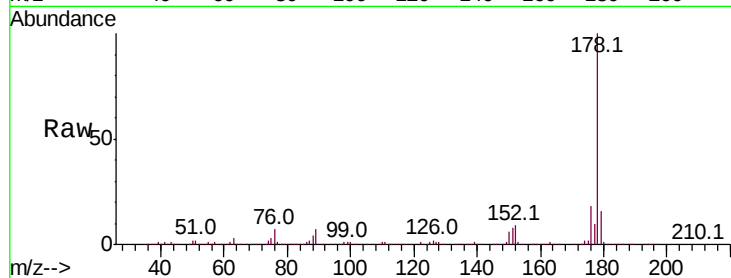
#72
 Anthracene
 Concen: 18.815 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	17.2	25.8
179	15.6	13.8	20.8

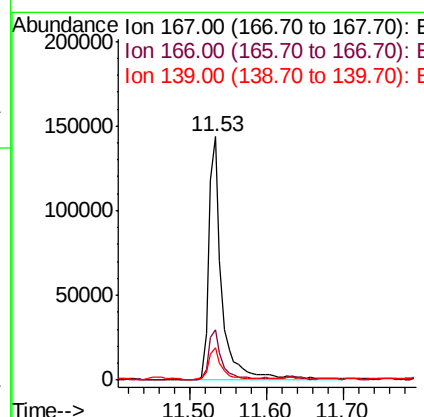
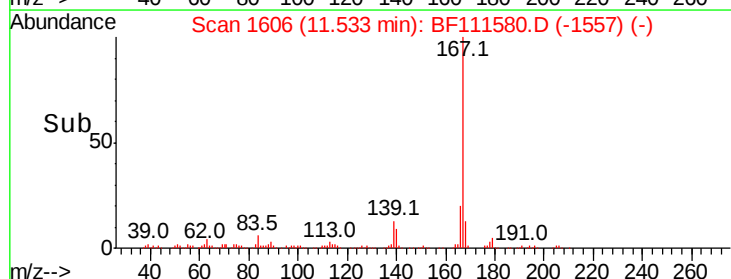
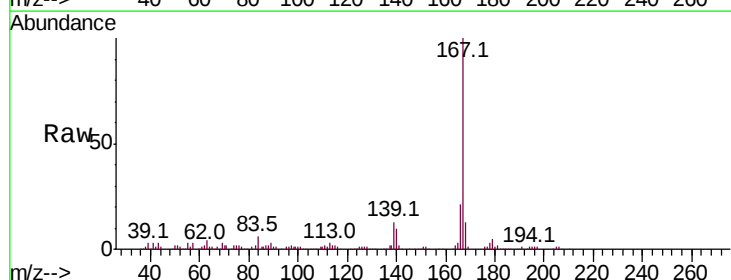
Manual Integrations
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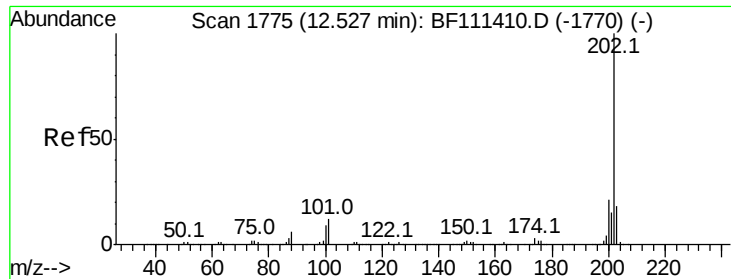
Sohil
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#73
 Carbazole
 Concen: 6.421 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	19.3	28.9
139	13.4	11.9	17.9





#75

Fluoranthene

Concen: 54.567 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

Instrument :

BNA_F

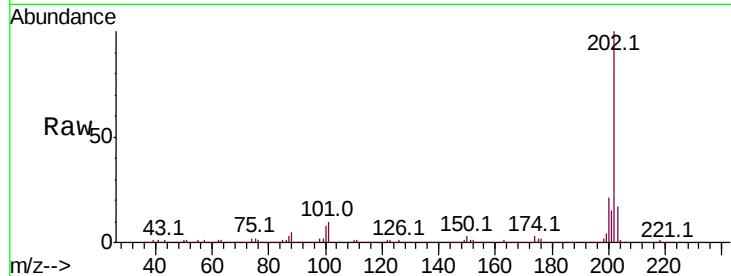
ClientSampleId :

TP-2-ADL

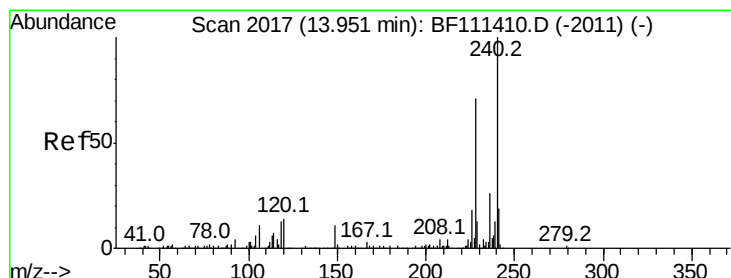
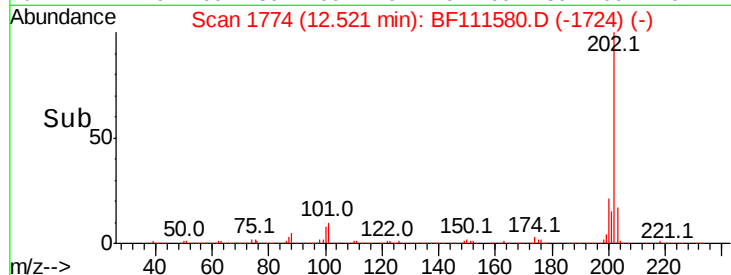
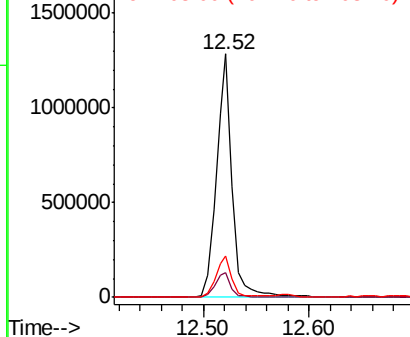
Tot Ion:	202	Resp:	1343101
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	33.8
203	17.2	0.0	38.6

Manual Integrations
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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

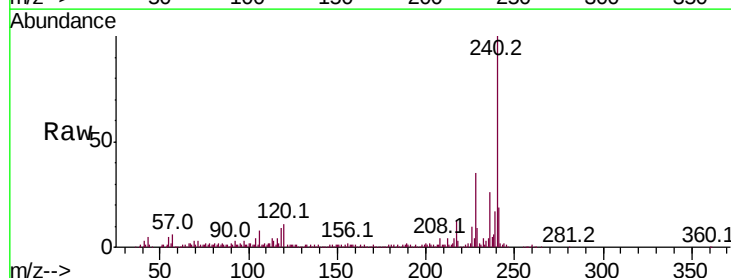
RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

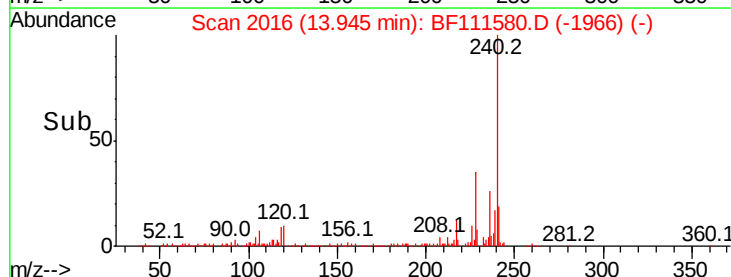
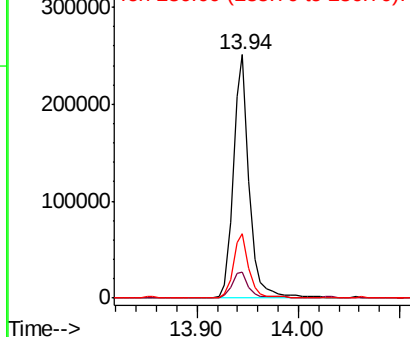
Lab File: BF111580.D

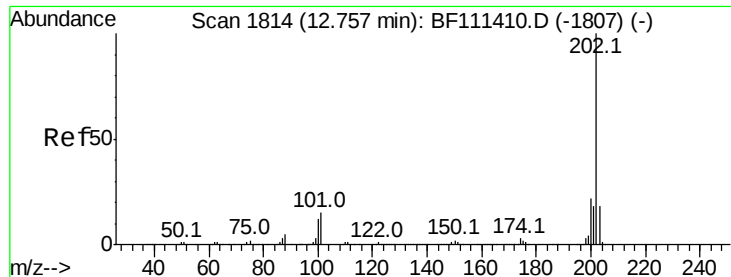
Acq: 18 Dec 2018 16:03

Tgt Ion:	240	Resp:	272551
Ion	Ratio	Lower	Upper
240	100		
120	10.6	12.2	18.2#
236	26.2	20.2	30.2



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: 54.709 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

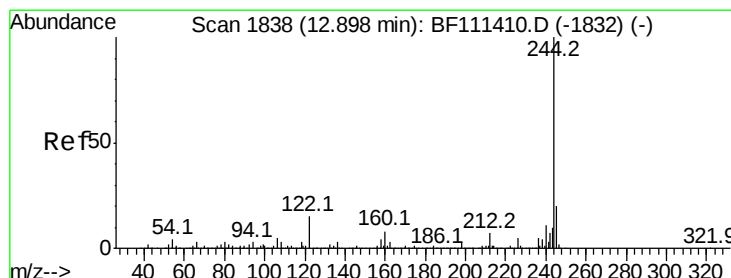
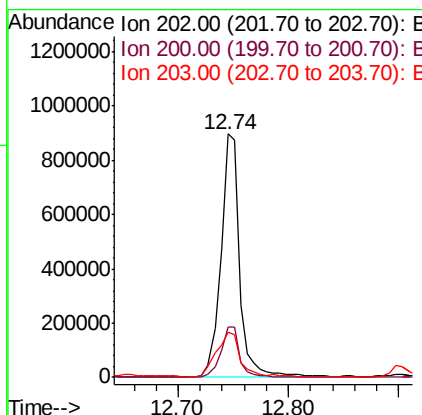
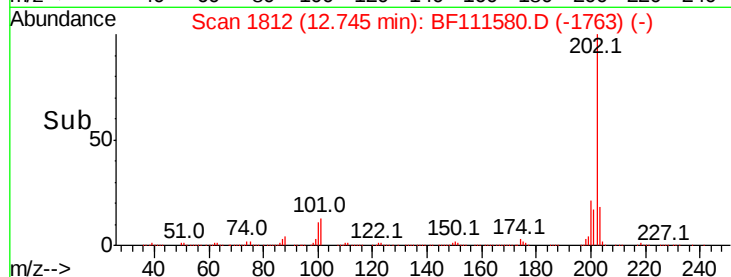
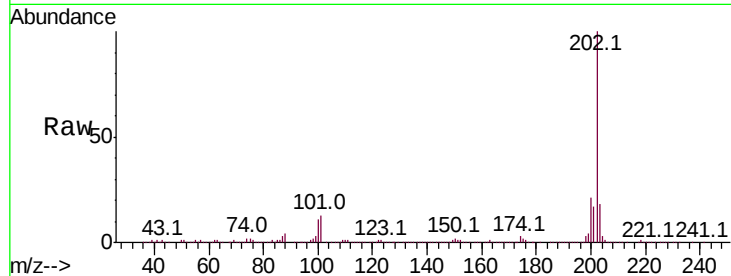
Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

Tot Ion:202 Resp: 1051272

Ion	Ratio	Lower	Upper
202	100		
200	20.8	19.0	28.4
203	18.3	15.2	22.8

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#79

Terphenyl-d14

Concen: 30.552 ng

RT: 12.89 min Scan# 1836

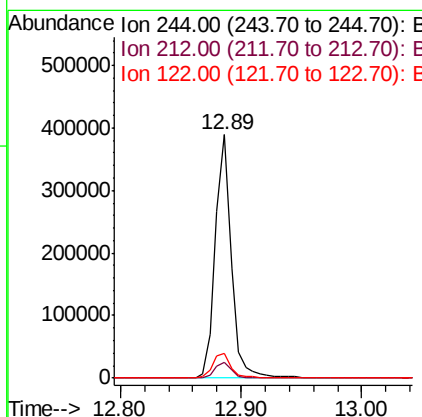
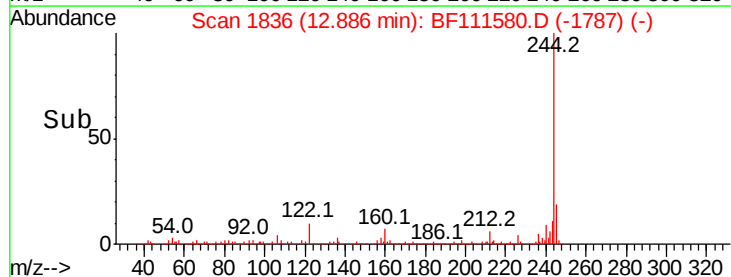
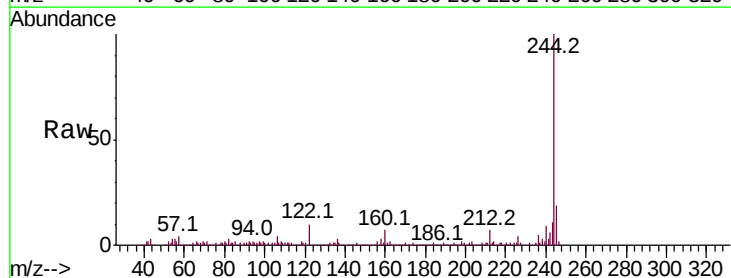
Delta R.T. -0.01 min

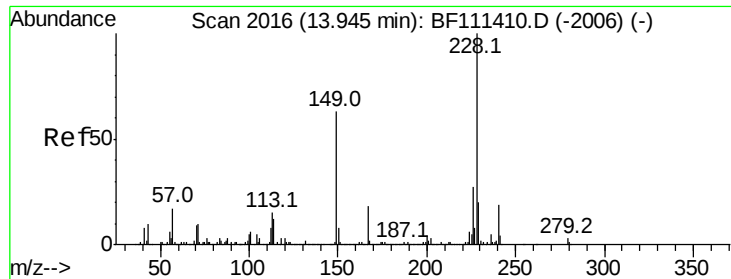
Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

Tgt Ion:244 Resp: 354600

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.3	13.1	19.7#





#81

Benzo(a)anthracene

Concen: 25.219 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

Instrument :

BNA_F

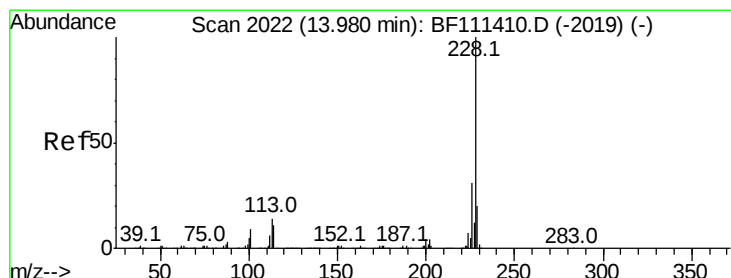
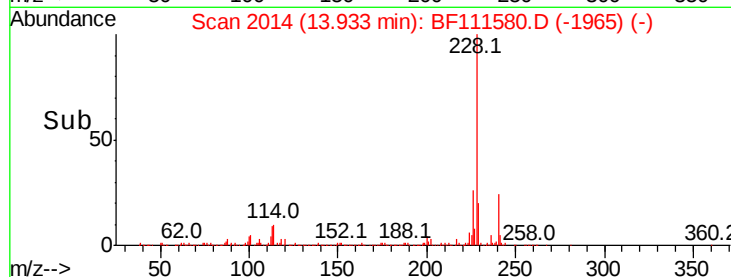
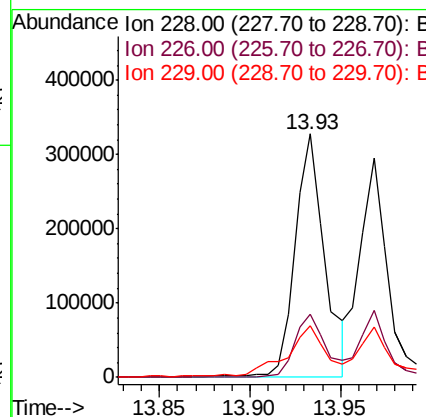
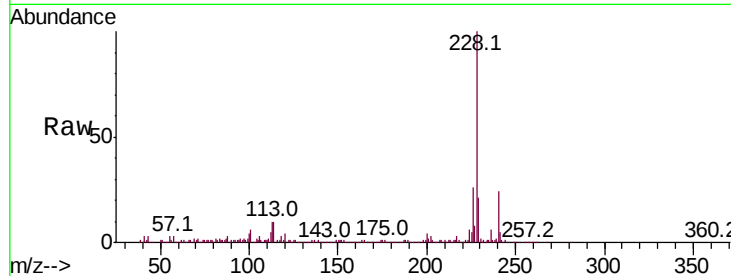
ClientSampleId :

TP-2-ADL

Tot Ion:	228	Resp:	373738
Ion Ratio	Lower	Upper	
228	100		
226	25.8	22.6	34.0
229	21.1	16.3	24.5

Manual Integrations
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#83

Chrysene

Concen: 20.109 ng

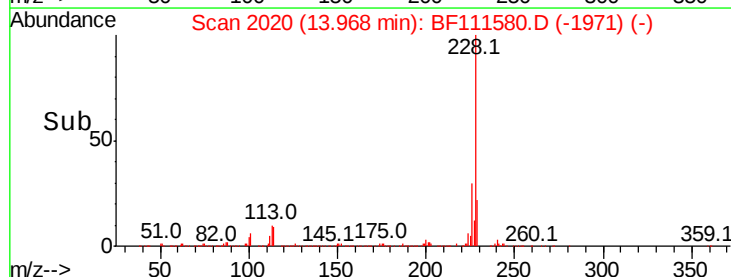
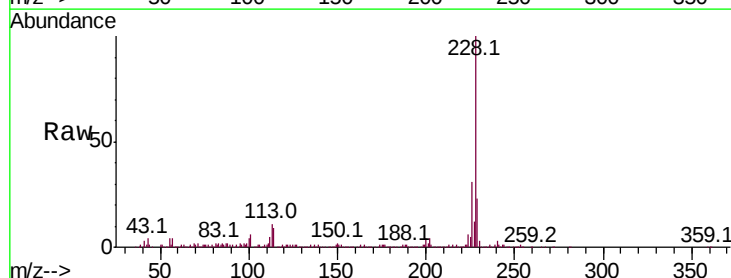
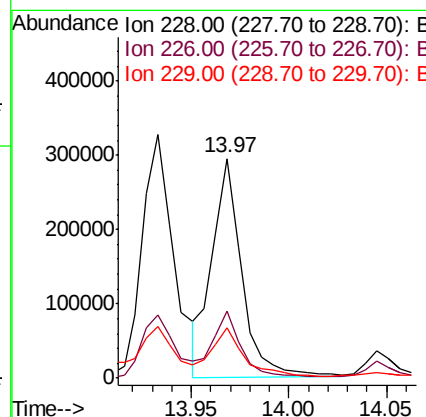
RT: 13.97 min Scan# 2020

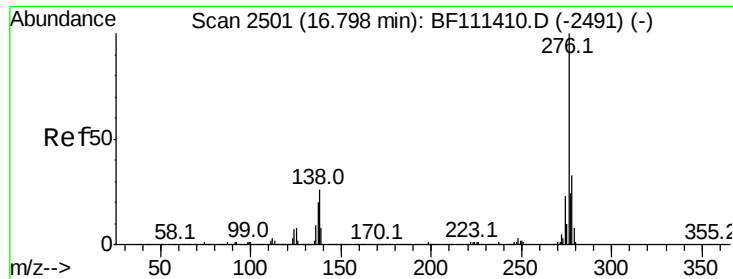
Delta R.T. -0.01 min

Lab File: BF111580.D

Acq: 18 Dec 2018 16:03

Tgt Ion:	228	Resp:	313932
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.3	37.9
229	23.0	17.2	25.8





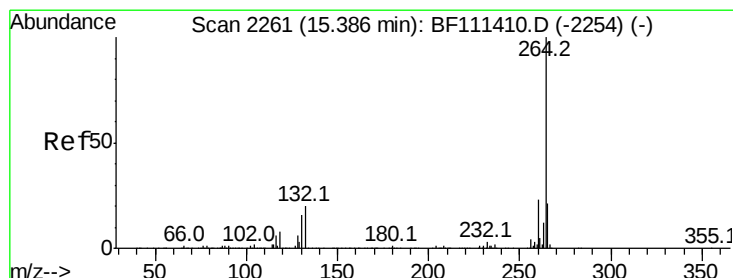
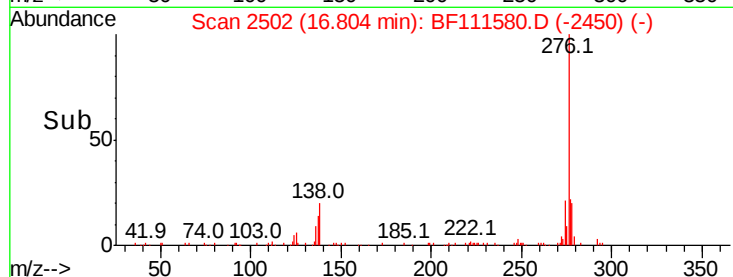
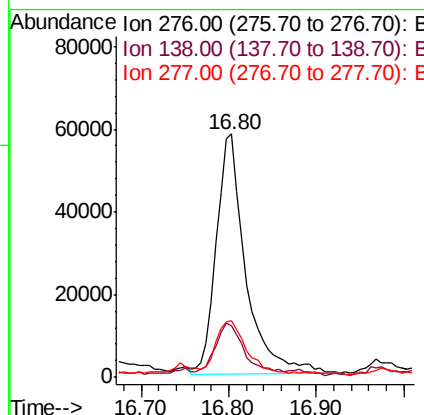
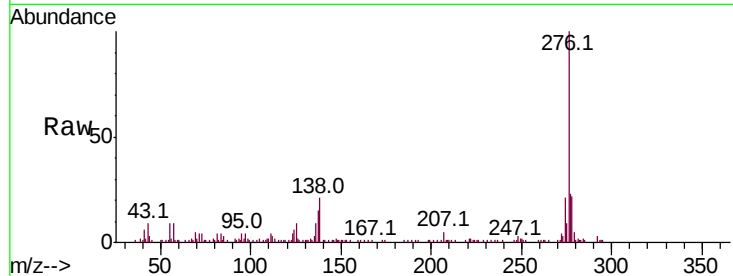
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.972 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. 0.01 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	27.8	41.6#
277	21.8	20.1	30.1

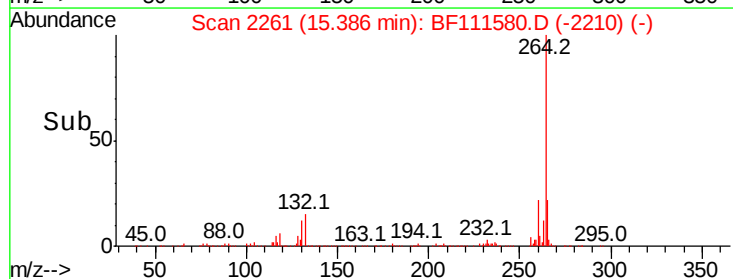
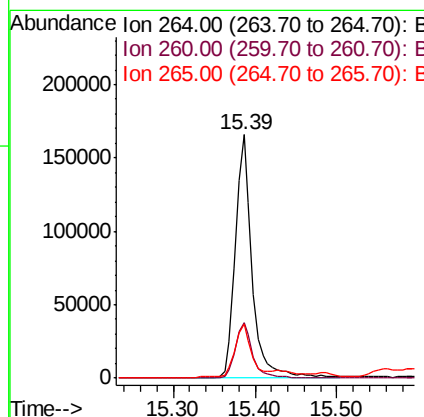
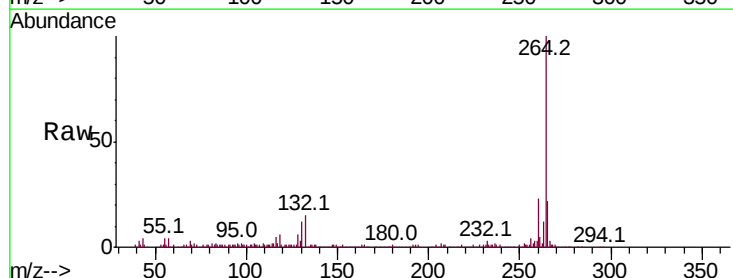
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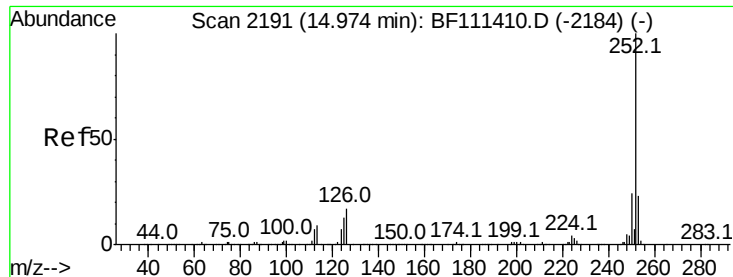
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	22.2	17.7	26.5





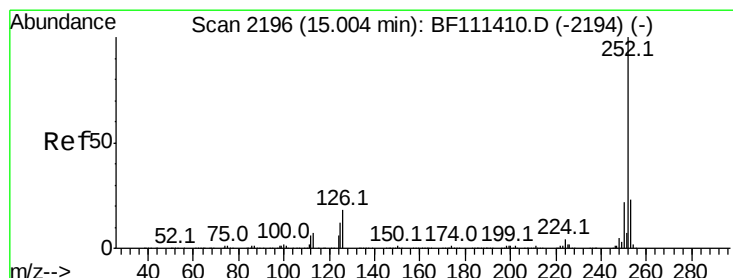
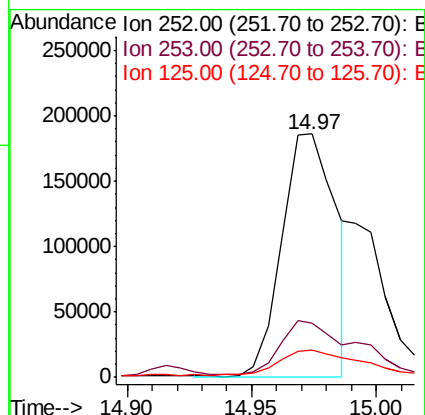
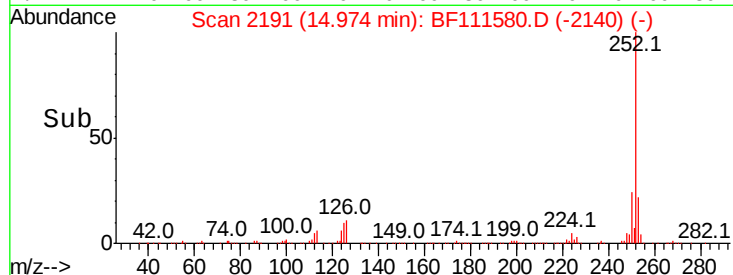
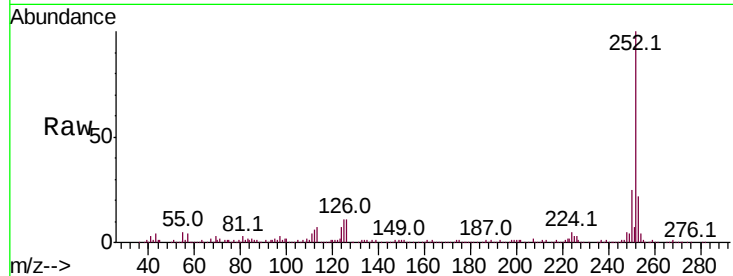
#88
Benzo(b)fluoranthene
Concen: 20.303 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampled :
TP-2-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.1	10.4	15.6

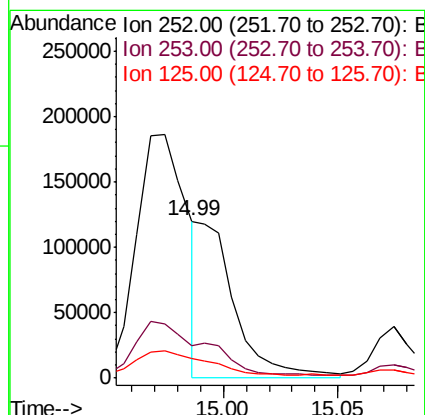
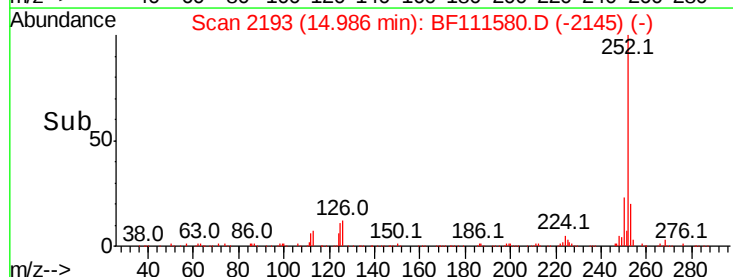
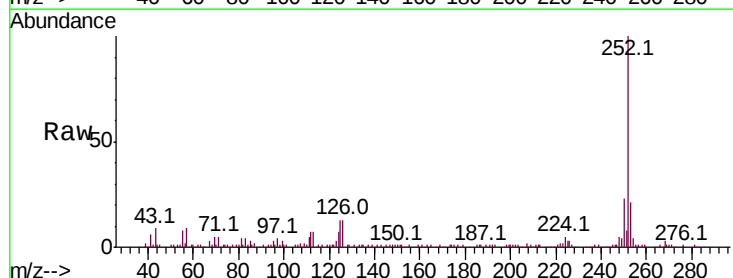
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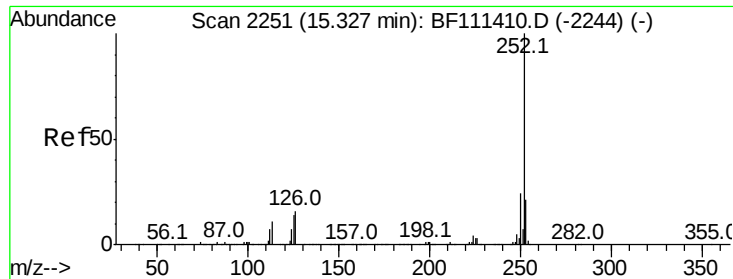
Sohil
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#89
Benzo(k)fluoranthene
Concen: 9.947 ng m
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	12.9	9.8	14.8





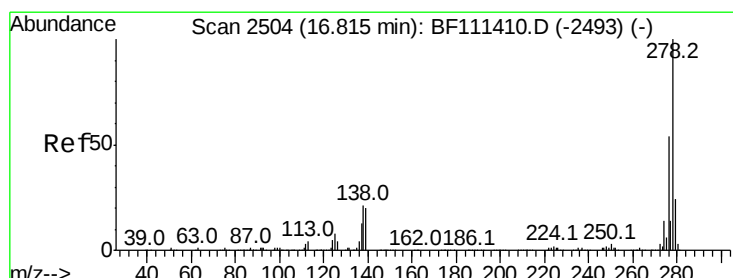
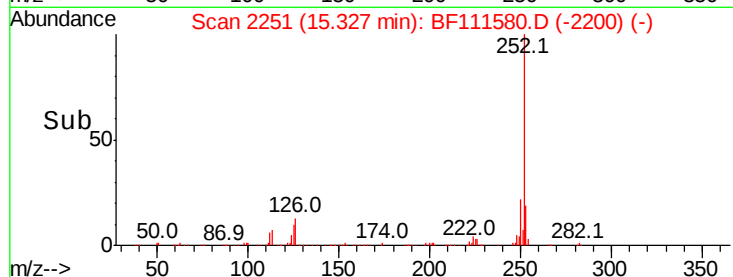
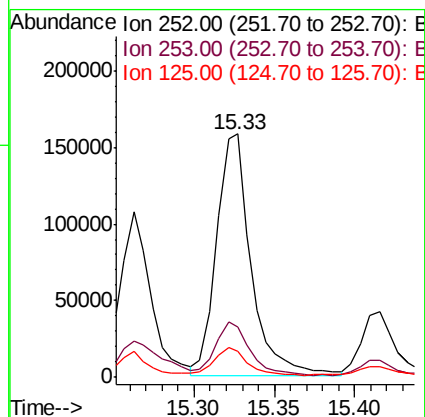
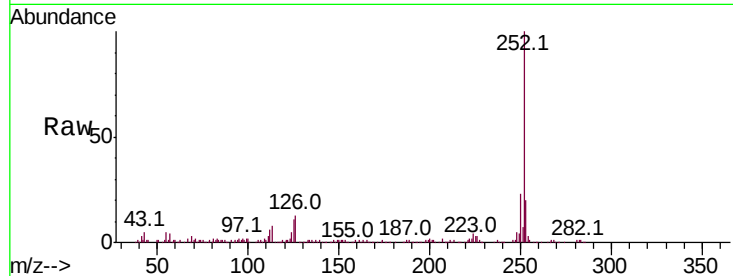
#90
Benzo(a)pyrene
Concen: 18.680 ng m
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Instrument :
BNA_F
ClientSampleId :
TP-2-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.8	26.8
125	10.8	12.3	18.5#

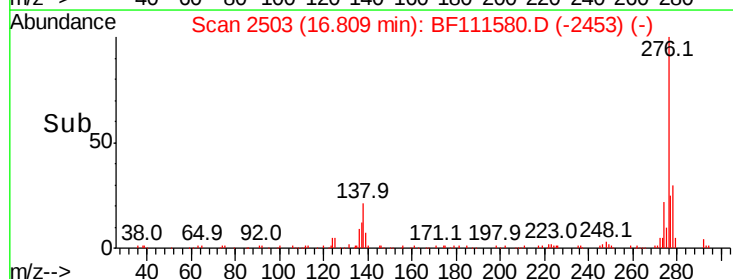
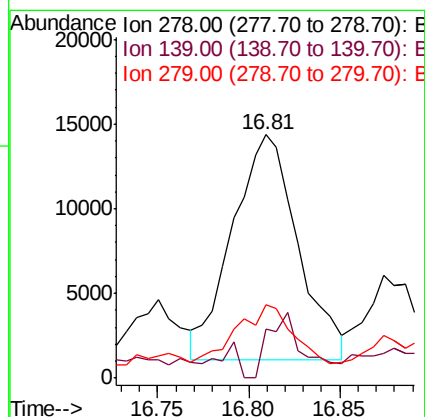
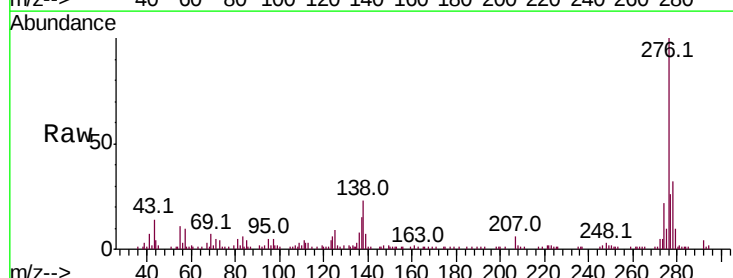
Manual Integrations
APPROVED

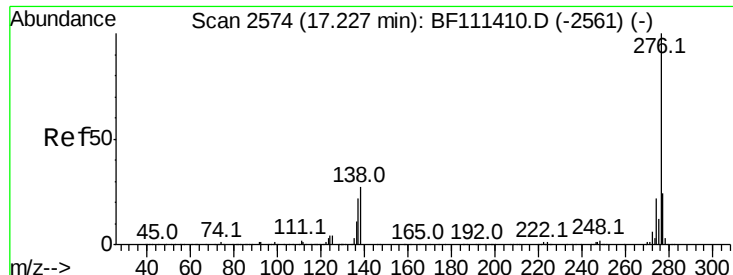
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 3.345 ng m
RT: 16.81 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BF111580.D
Acq: 18 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	18.2	27.4
279	30.2	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 12.505 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF111580.D
 Acq: 18 Dec 2018 16:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-ADL

Tot Ion:	276	Resp:	121685
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.2	28.8
138	21.2	24.9	37.3#

Manual Integrations
 APPROVED

Sohil
 12/19/2018 4:09:22 PM

