

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111326.D
 Acq On : 12 Dec 2018 17:26
 Operator : JU/SJ
 Sample : J6214-41
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Manual Integrations
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Quant Time: Dec 13 02:58:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	289141	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1193714	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	528650	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	766856	20.00	ng	0.00
76) Chrysene-d12	13.95	240	464517	20.00	ng	0.00
87) Perylene-d12	15.39	264	452582	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	2017232	117.98	ng	0.00
7) Phenol-d6	6.43	99	2642073	114.61	ng	0.00
23) Nitrobenzene-d5	7.35	82	1700784	80.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	367649	78.89	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2616054	79.45	ng	0.00
79) Terphenyl-d14	12.90	244	1586022	75.15	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	159992	6.127	ng	87
50) Dimethylphthalate	9.54	163	354876	9.335	ng	98
71) Phenanthrene	11.33	178	1511198	38.126	ng	95
72) Anthracene	11.39	178	368306	9.126	ng	94
73) Carbazole	11.53	167	88865	2.129	ng	95
75) Fluoranthene	12.53	202	2202272	56.914	ng	99
78) Pyrene	12.75	202	1919425	53.540	ng	97
81) Benzo(a)anthracene	13.94	228	1123454	43.226	ng	99
83) Chrysene	13.97	228	1010242	38.098	ng	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	98855	4.698	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.79	276	457087m	22.040	ng	
88) Benzo(b)fluoranthene	14.97	252	1325422m	51.502	ng	
89) Benzo(k)fluoranthene	15.00	252	445495m	17.342	ng	
90) Benzo(a)pyrene	15.33	252	897299	37.446	ng	98
91) Dibenzo(a,h)anthracene	16.80	278	129542	6.498	ng	95
92) Benzo(g,h,i)perylene	17.22	276	404771	20.307	ng	95

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

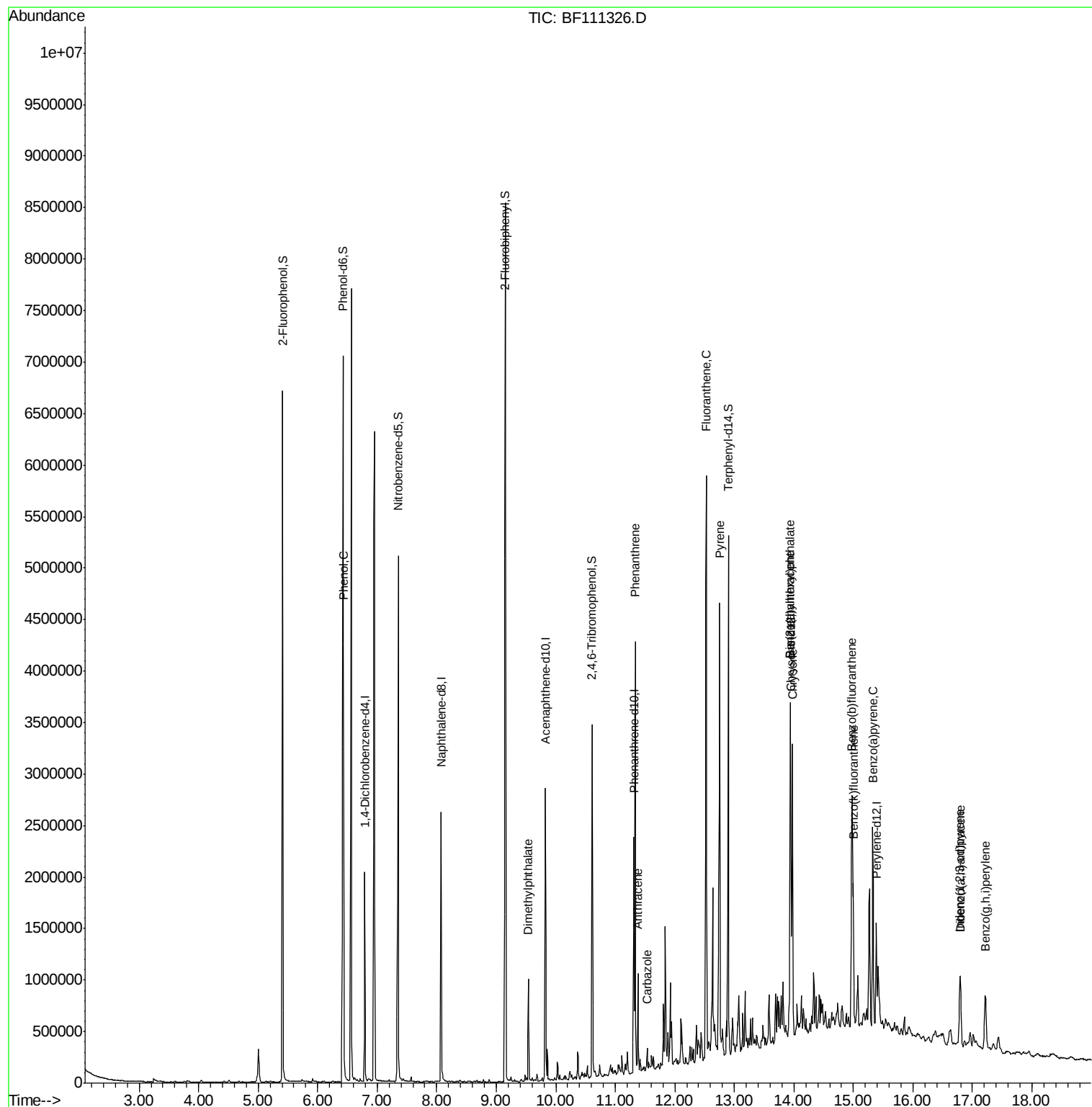
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111326.D
Acq On : 12 Dec 2018 17:26
Operator : JU/SJ
Sample : J6214-41
Misc :
ALS Vial : 6 Sample Multiplier: 1

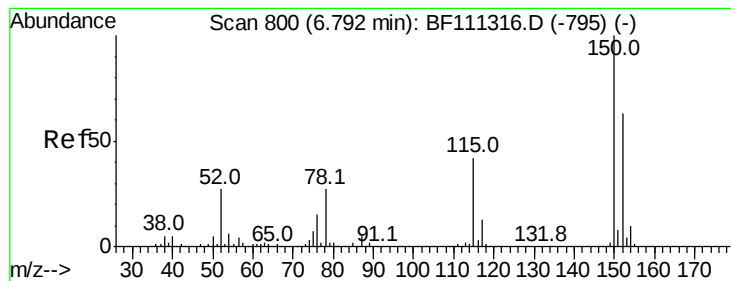
Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Quant Time: Dec 13 02:58:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration

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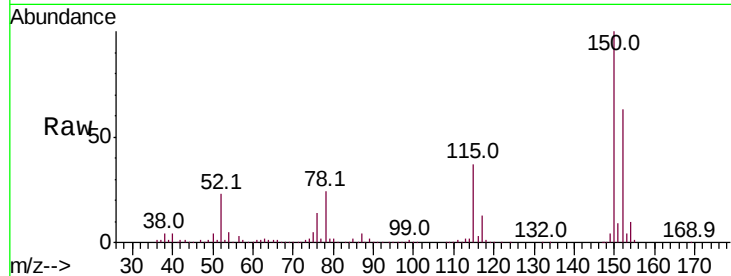
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111326.D
 Acq: 12 Dec 2018 17:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.6	189.8
115	59.4	50.7	76.1

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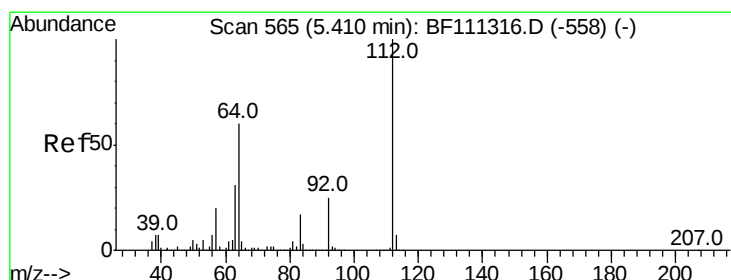
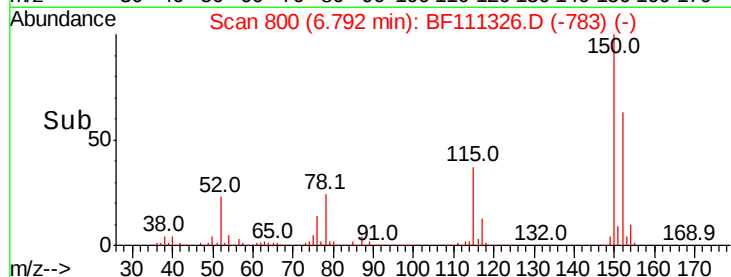
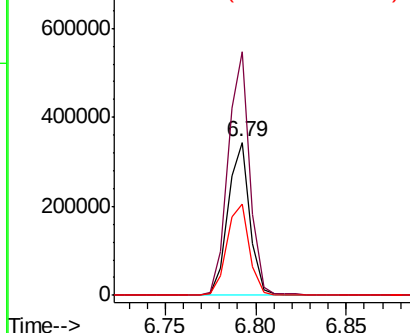


Abundance

Ion 152.00 (151.70 to 152.70): E

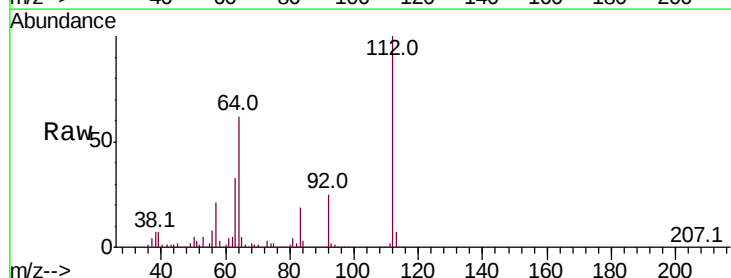
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 117.977 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF111326.D
 Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.8	77.6
63	32.9	26.8	40.2

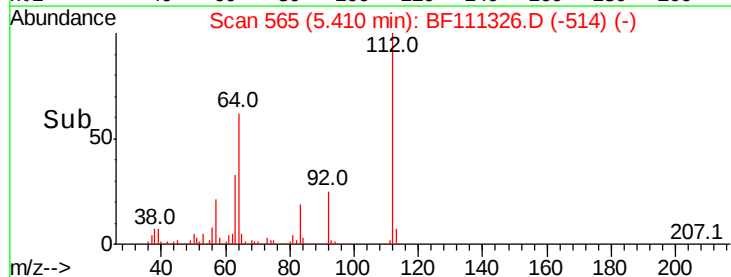
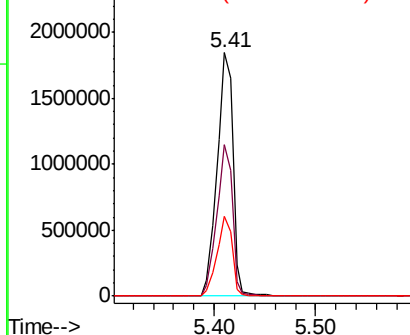


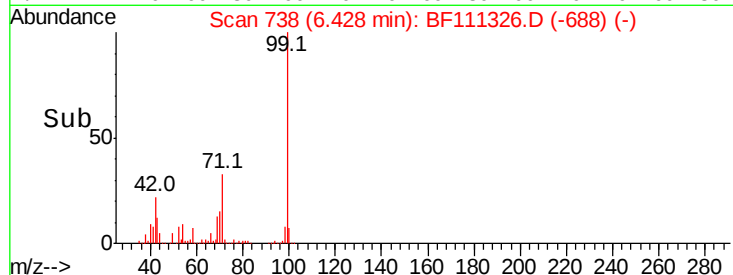
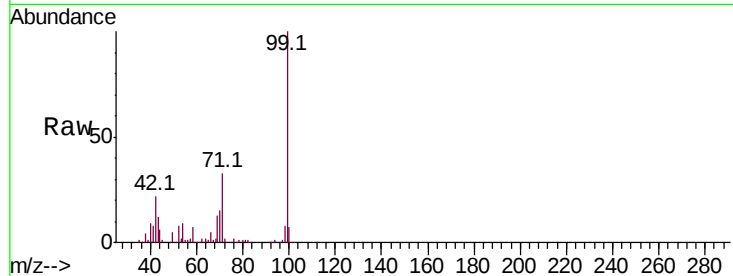
Abundance

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: 114.607 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Tot Ion: 99 Resp: 2642073

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

71 33.3 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

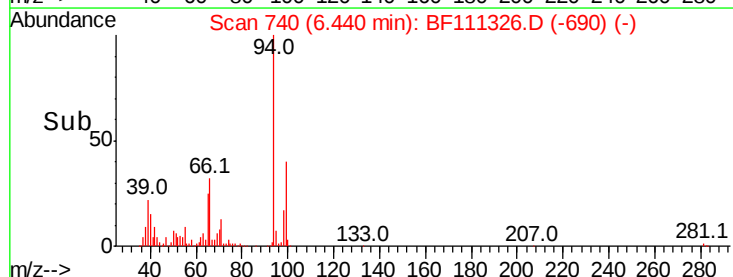
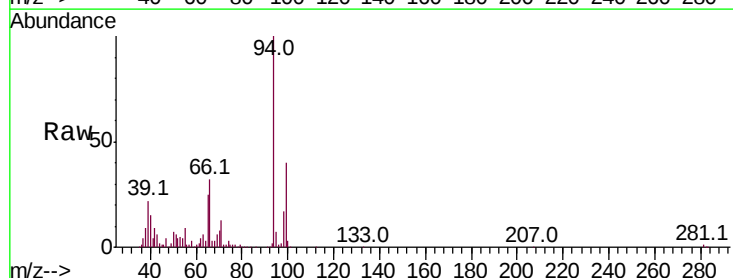
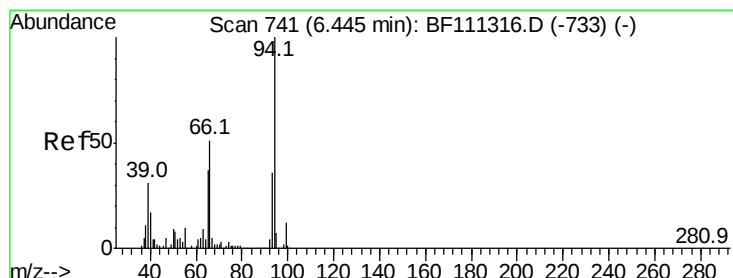
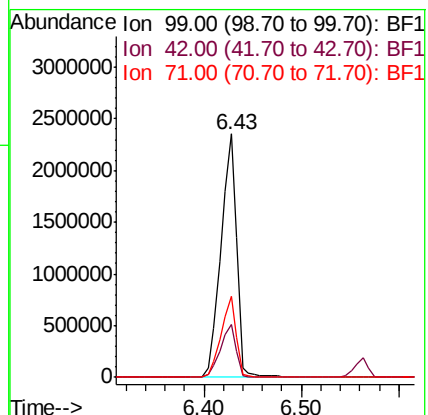
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#10

Phenol

Concen: 6.127 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

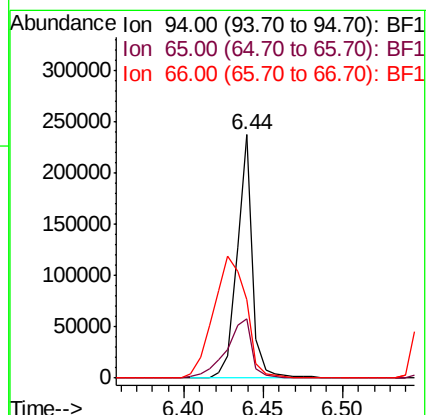
Tgt Ion: 94 Resp: 159992

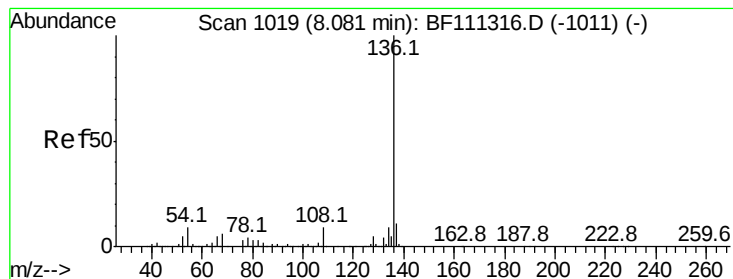
Ion Ratio Lower Upper

94 100

65 24.6 11.7 51.7

66 32.5 21.0 61.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Instrument :

BNA_F

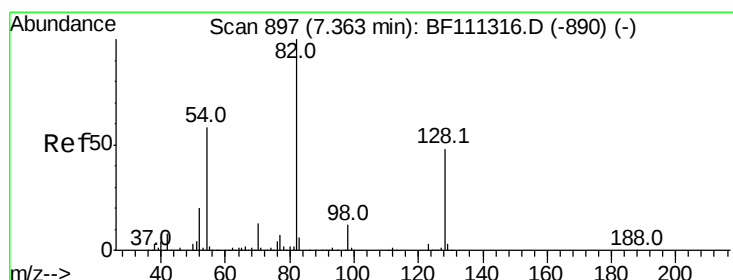
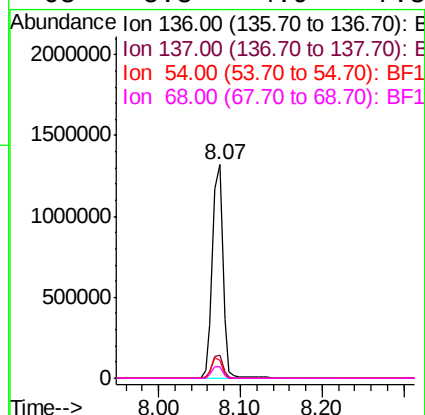
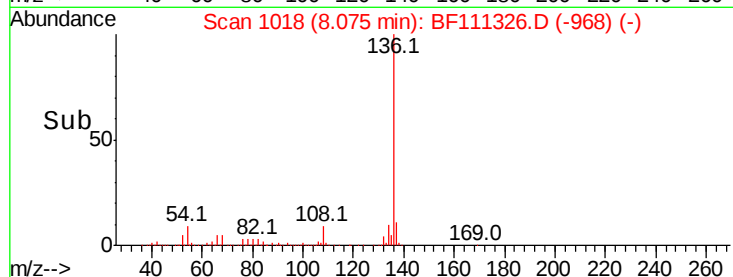
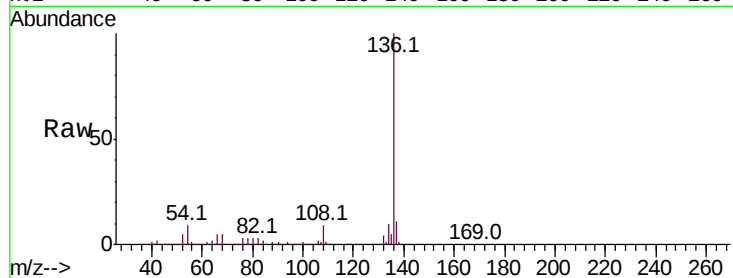
ClientSampleId :

SB-5(0-2)

Tot Ion	136	Resp	1193714
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.5	7.7	11.5
68	5.3	4.9	7.3

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#23

Nitrobenzene-d5

Concen: 80.305 ng

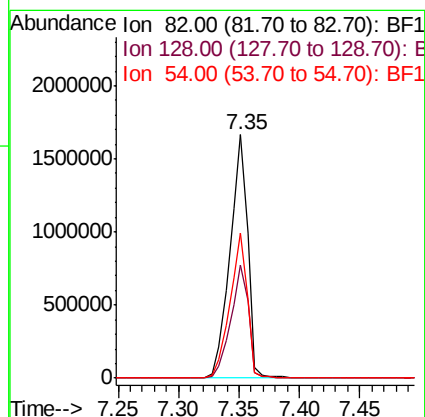
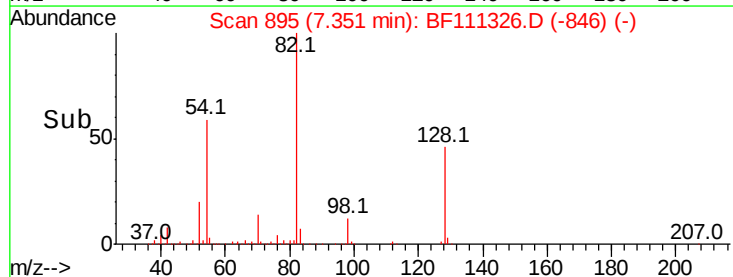
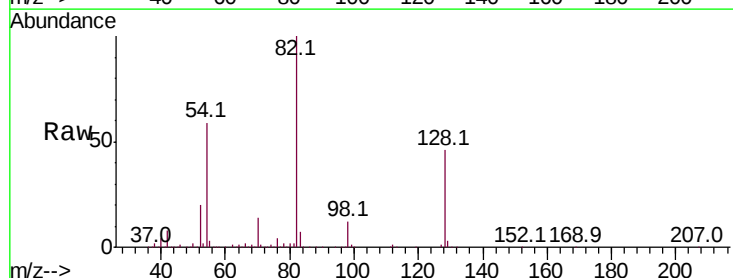
RT: 7.35 min Scan# 895

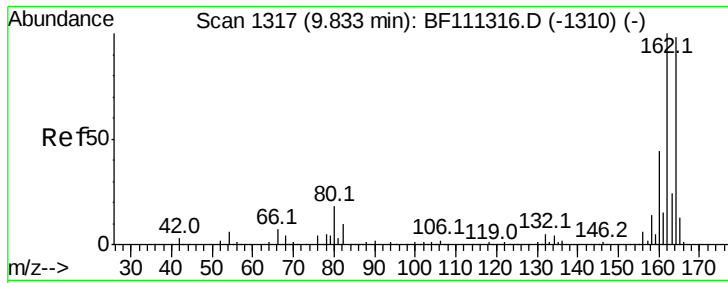
Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Tgt Ion	82	Resp	1700784
Ion Ratio	Lower	Upper	
82	100		
128	46.5	37.4	56.2
54	59.3	47.6	71.4





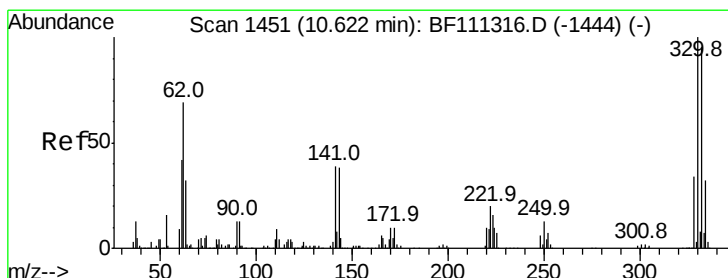
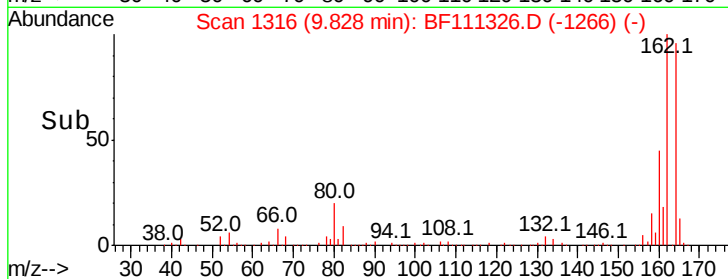
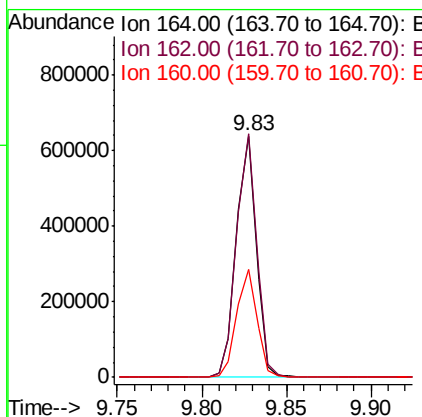
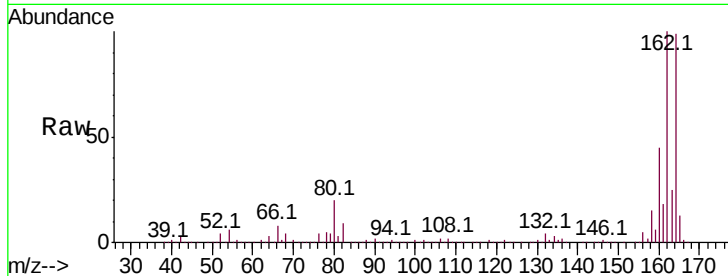
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	81.4	122.0	
160	44.9	35.7	53.5	

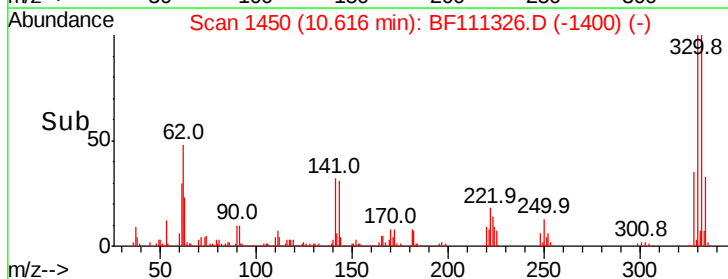
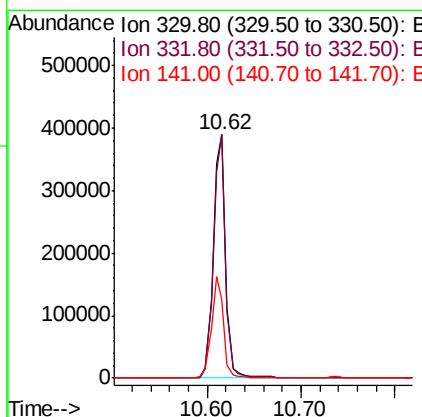
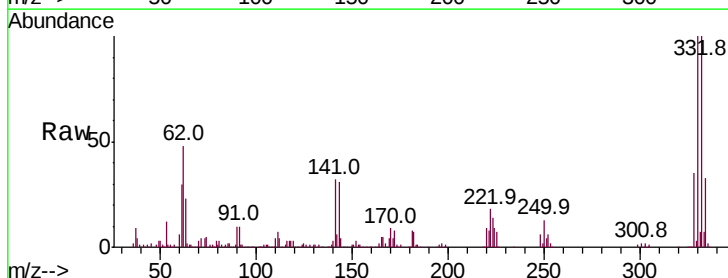
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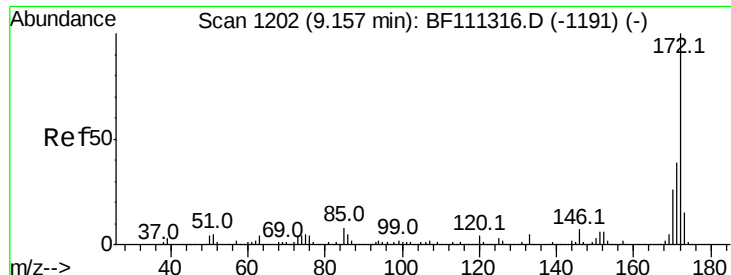
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#42
2,4,6-Tribromophenol
Concen: 78.893 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.0	114.0	
141	40.0	31.0	46.6	





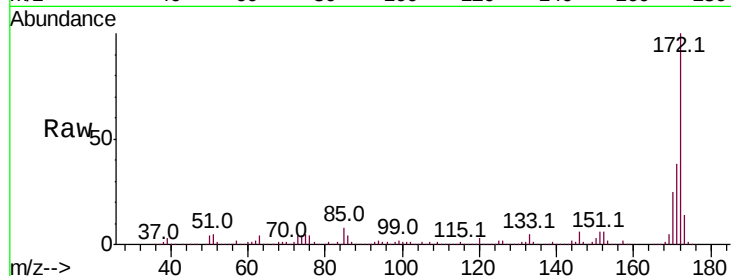
#45
2-Fluorobiphenyl
Concen: 79.448 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

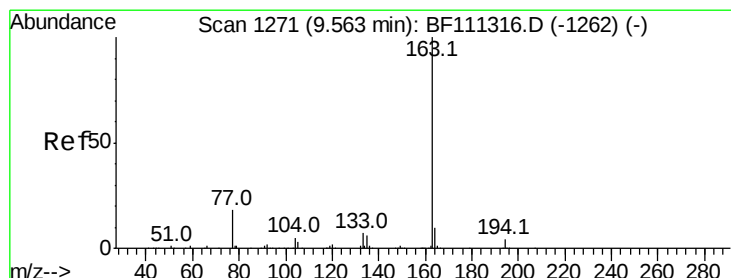
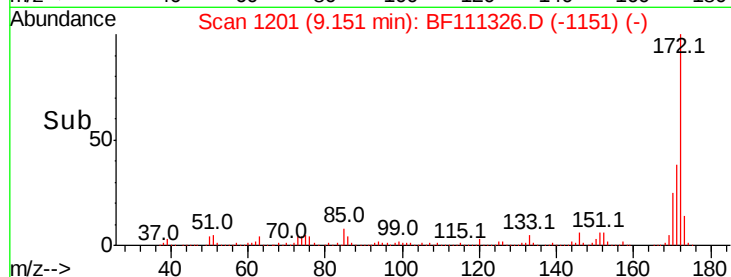
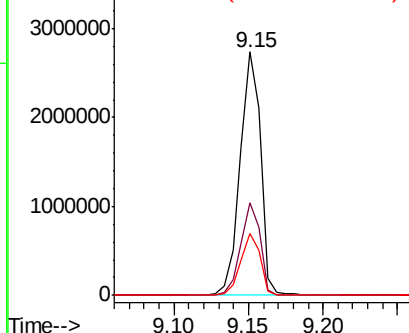
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	33.0	49.4
170	25.3	22.3	33.5

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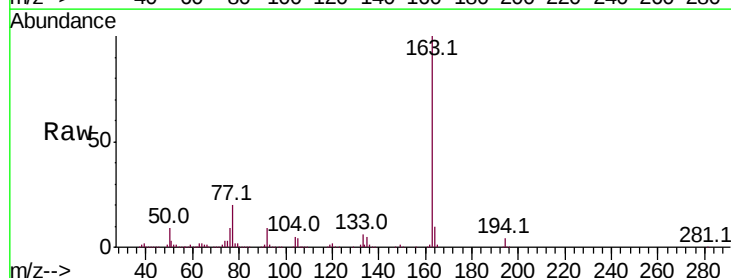


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

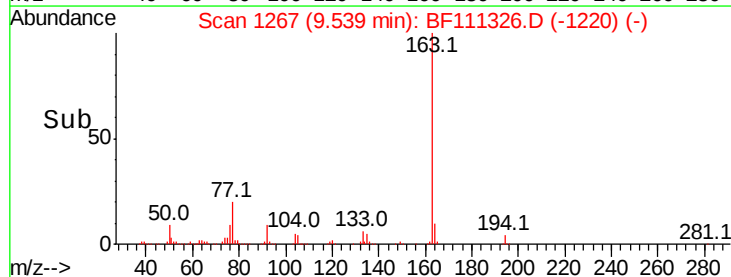
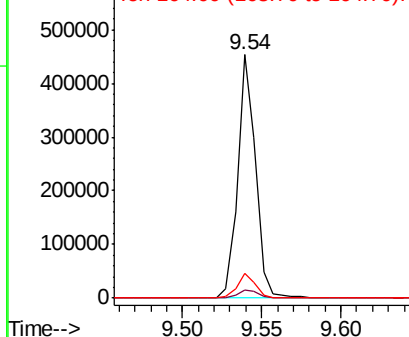


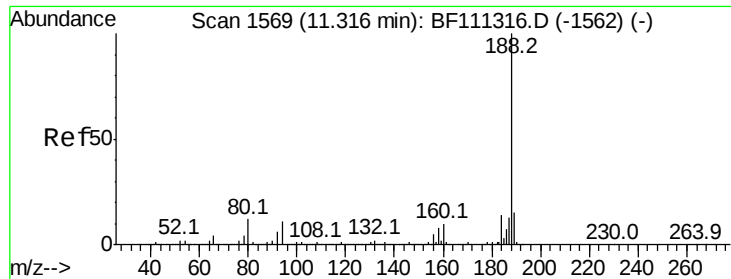
#50
Dimethylphthalate
Concen: 9.335 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.0	8.9	13.3



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





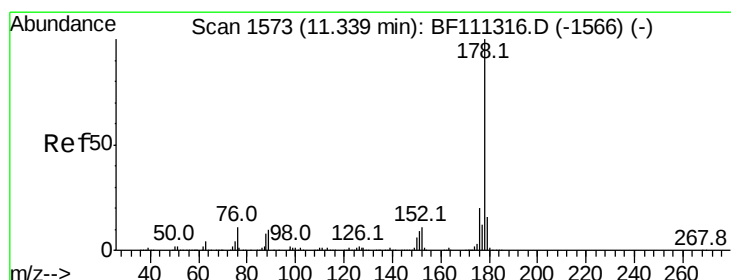
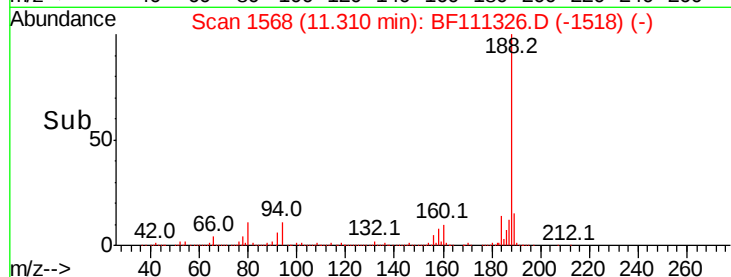
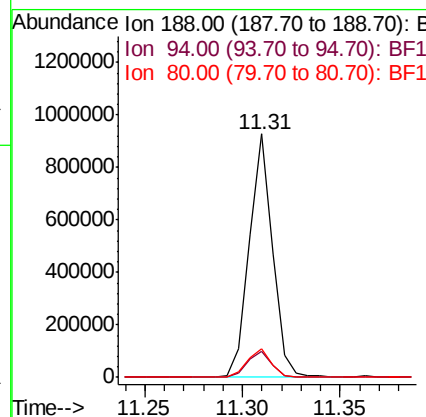
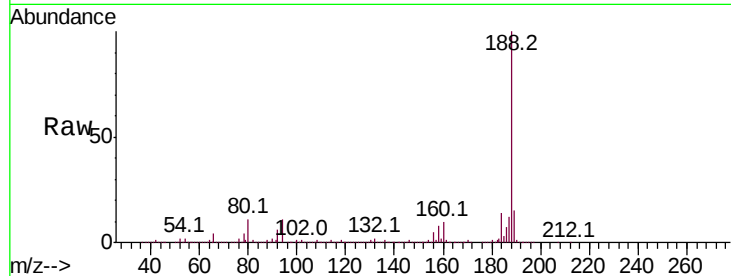
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Instrument :
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ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	766856		
94	10.7		9.6	14.4
80	11.5		9.8	14.6

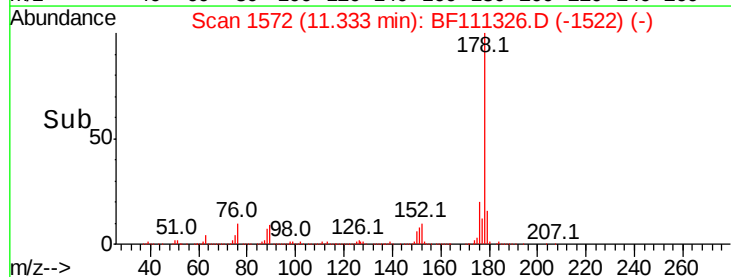
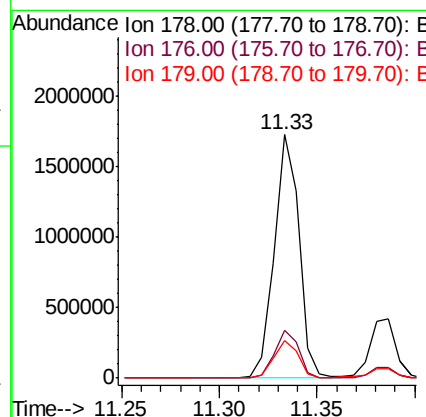
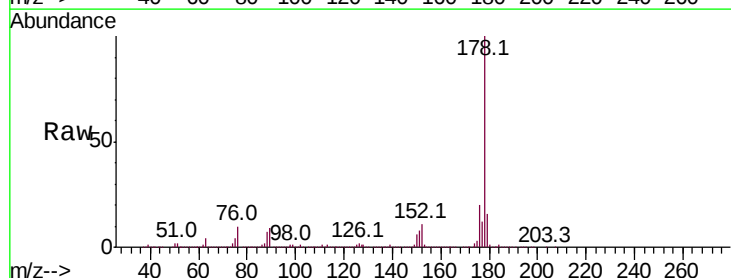
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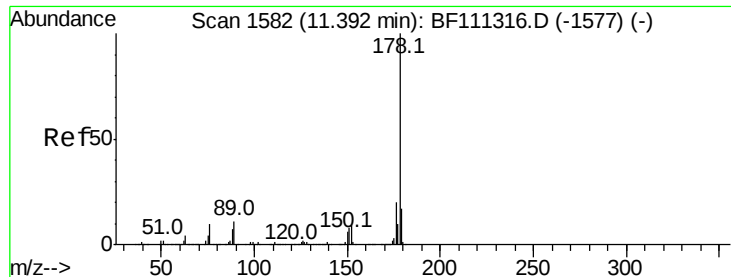
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#71
Phenanthrene
Concen: 38.126 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1511198		
176	19.7		18.1	27.1
179	15.6		14.0	21.0





#72

Anthracene

Concen: 9.126 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

Tot Ion:178 Resp: 368306

Ion Ratio Lower Upper

178 100

176 18.2 17.2 25.8

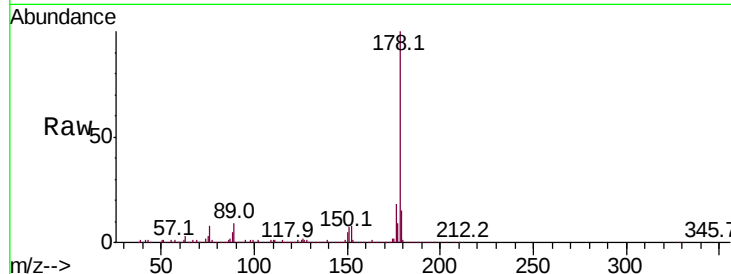
179 14.9 13.8 20.8

Manual Integrations

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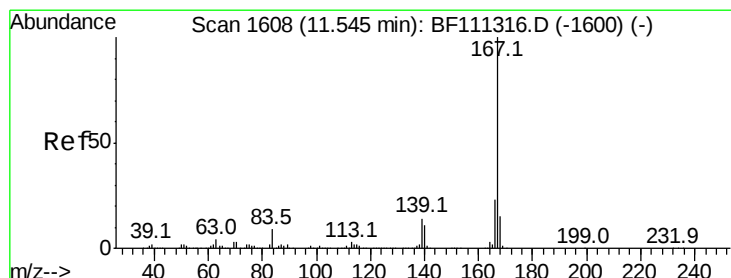
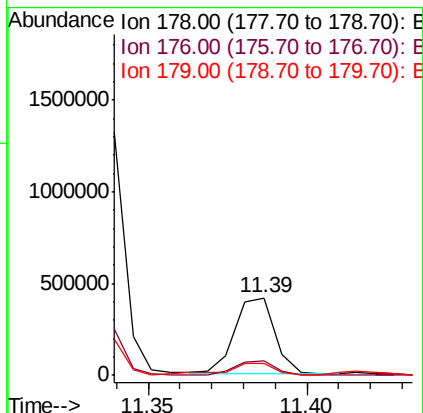
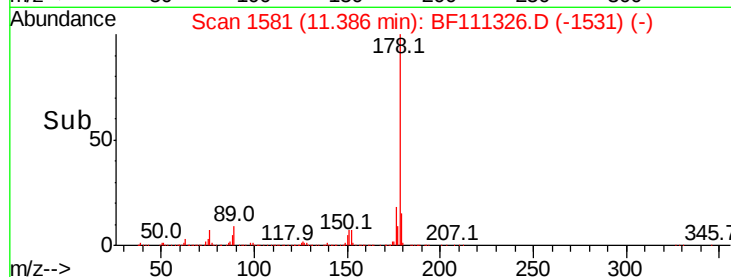
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.129 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

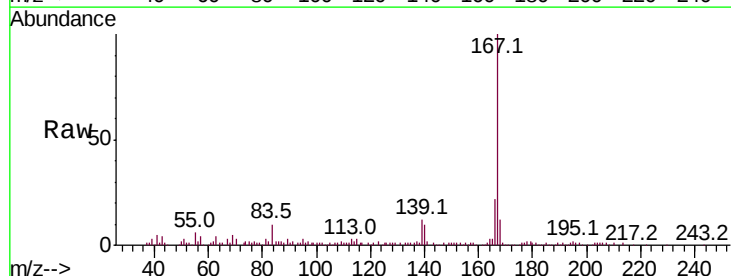
Tgt Ion:167 Resp: 88865

Ion Ratio Lower Upper

167 100

166 22.0 19.3 28.9

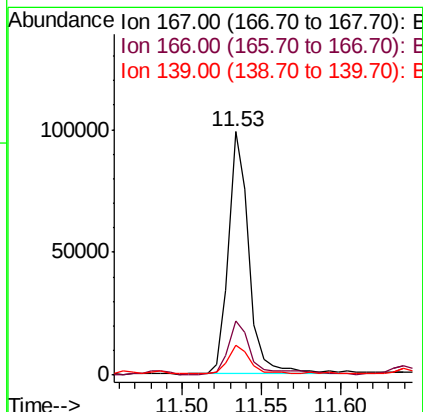
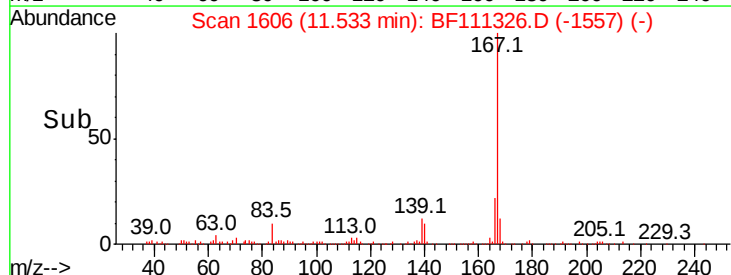
139 12.3 11.9 17.9

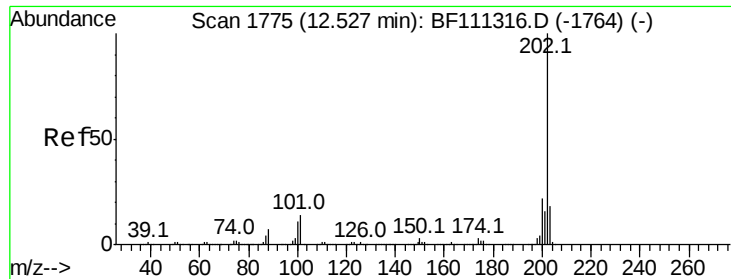


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 56.914 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Instrument :

BNA_F

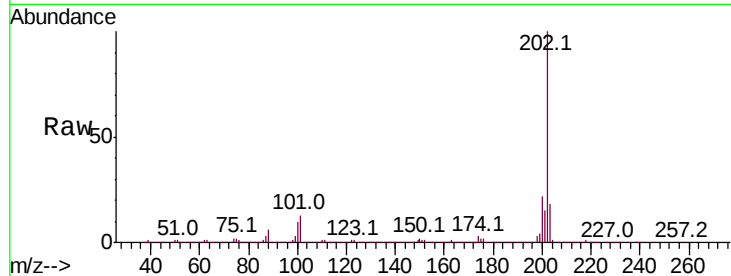
ClientSampleId :

SB-5(0-2)

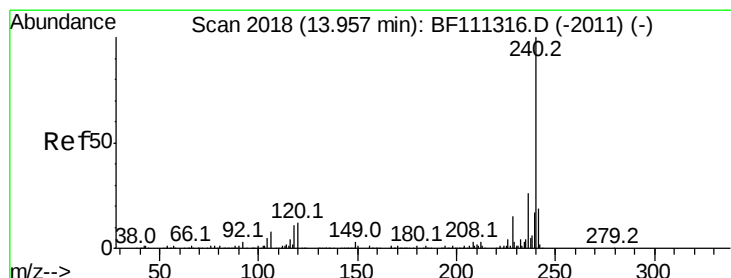
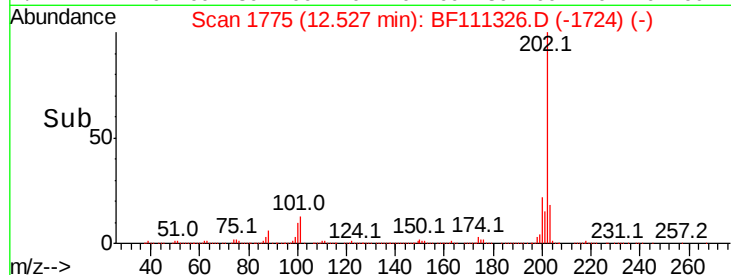
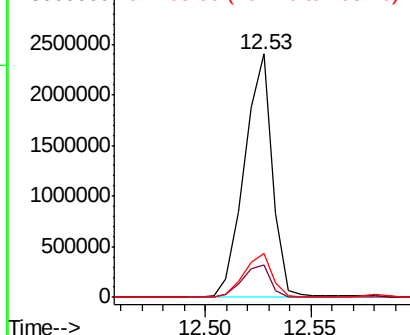
Tot Ion:	202	Resp:	2202272
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	33.8
203	18.2	0.0	38.6

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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: 13.95 min Scan# 2017

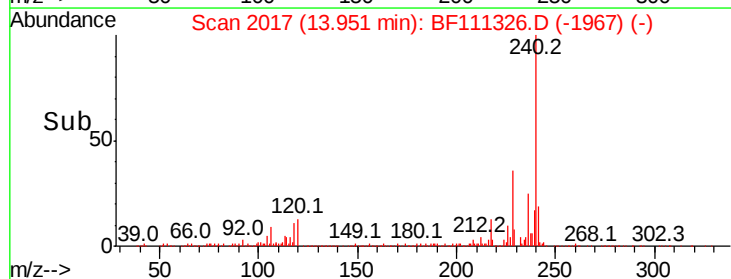
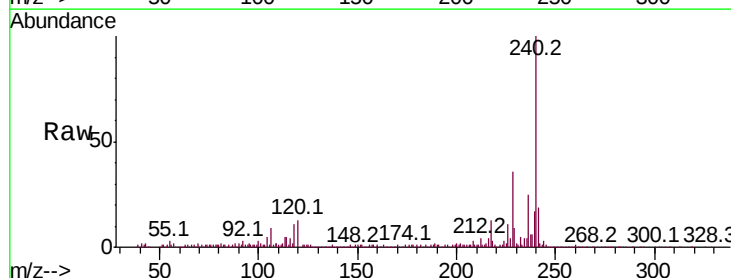
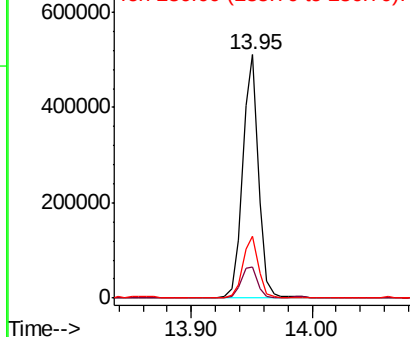
Delta R.T. -0.01 min

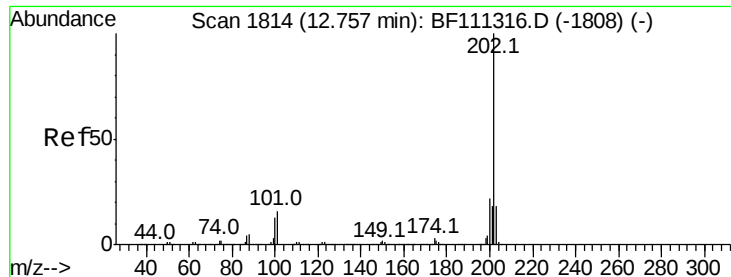
Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Tgt Ion:	240	Resp:	464517
Ion Ratio	Lower	Upper	
240	100		
120	12.8	12.2	18.2
236	25.3	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





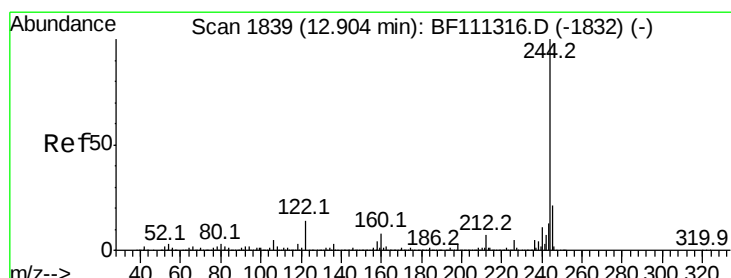
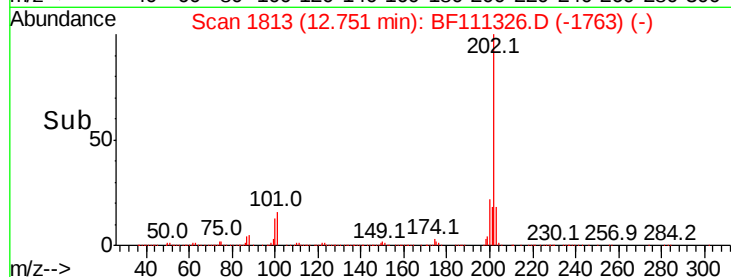
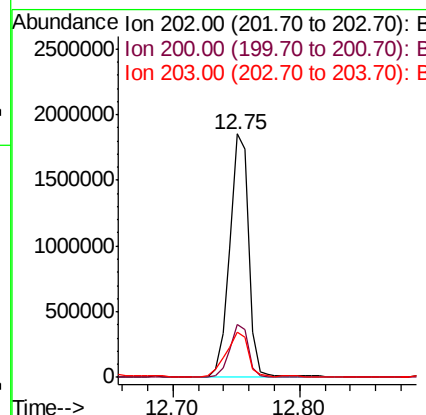
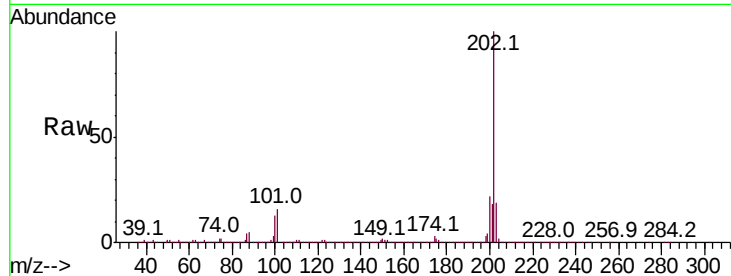
#78
Pvrene
Concen: 53.540 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Instrument :
BNA_F
ClientSampled :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	19.0	28.4
203	18.7	15.2	22.8

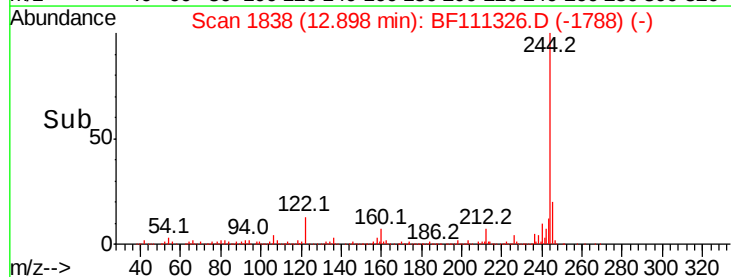
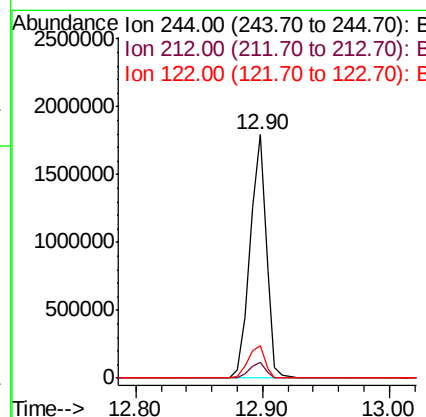
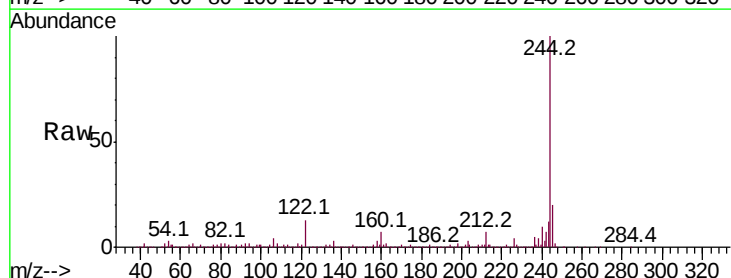
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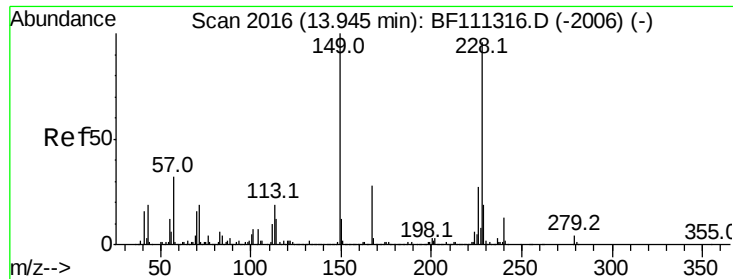
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#79
Terphenyl-d14
Concen: 75.148 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	13.3	13.1	19.7





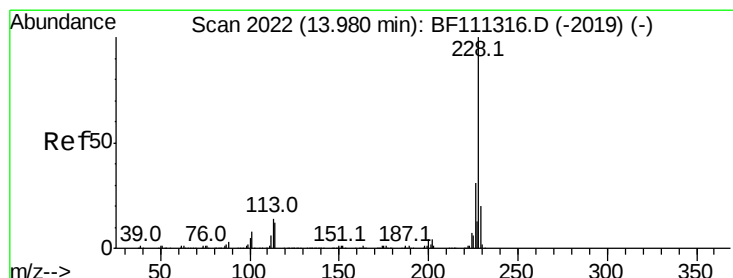
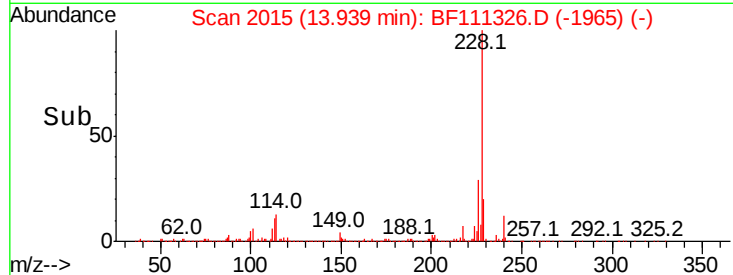
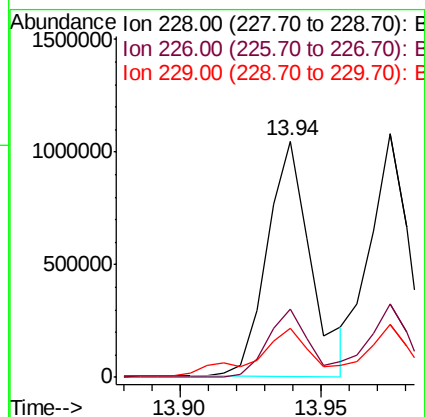
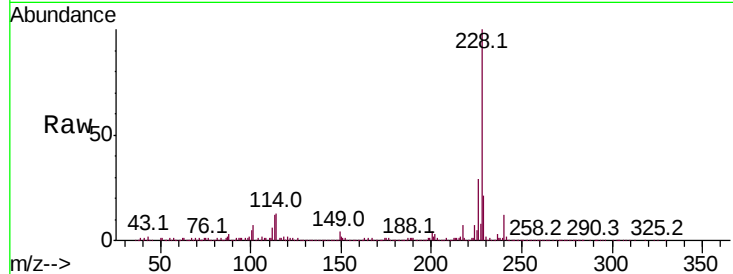
#81
Benzo(a)anthracene
Concen: 43.226 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Instrument :
BNA_F
ClientSampled :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	34.0
229	20.8	16.3	24.5

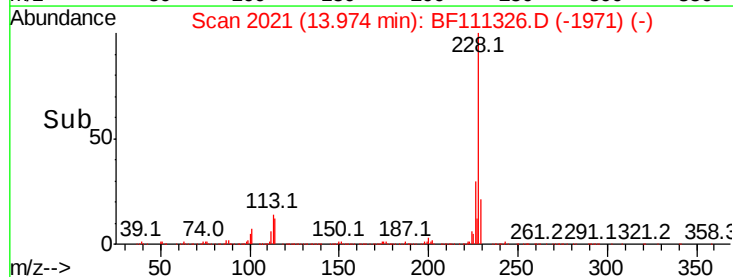
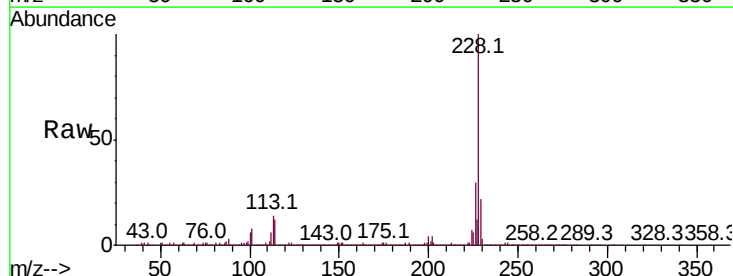
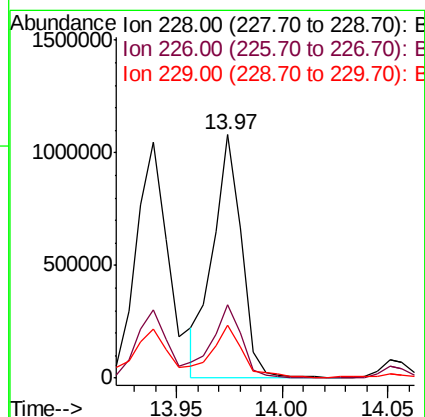
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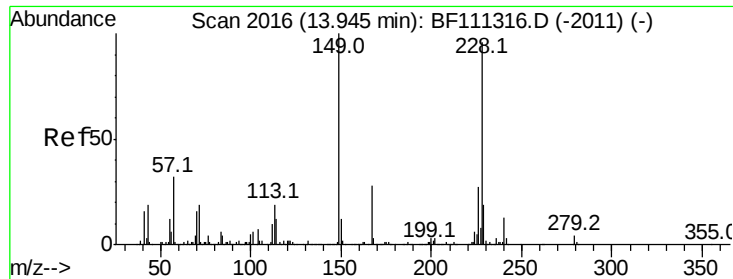
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#83
Chrysene
Concen: 38.098 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.3	37.9
229	21.8	17.2	25.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.698 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Instrument :

BNA_F

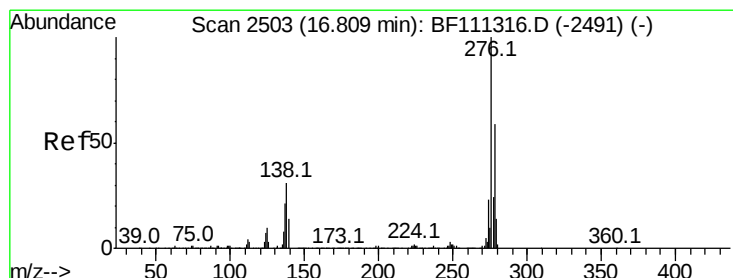
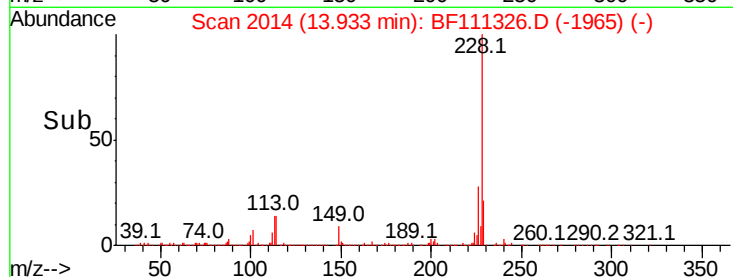
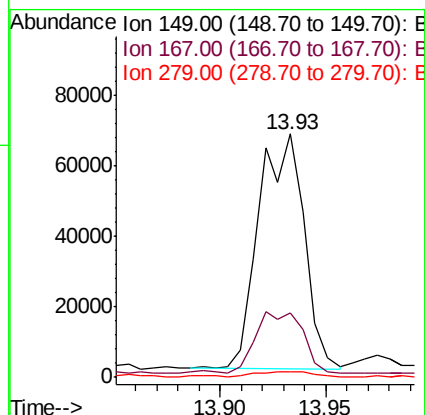
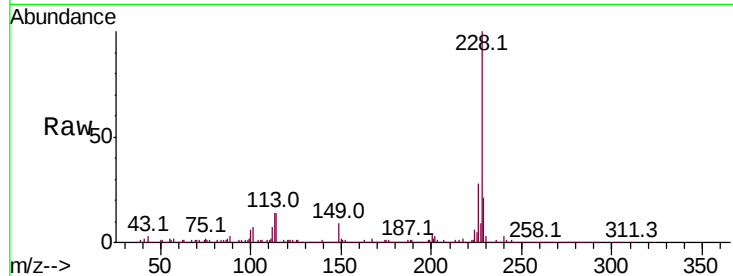
ClientSampleId :

SB-5(0-2)

Tot Ion:	149	Resp:	98855
Ion Ratio	Lower	Upper	
149	100		
167	26.5	22.5	33.7
279	2.4	2.6	4.0#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 22.040 ng m

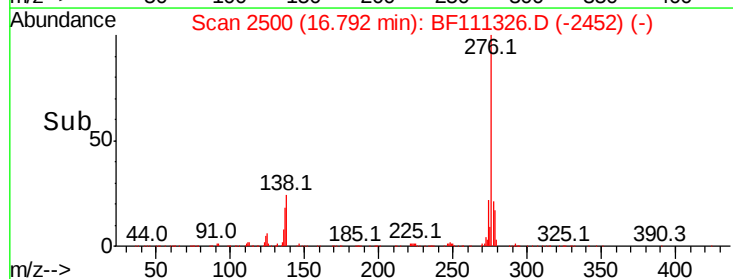
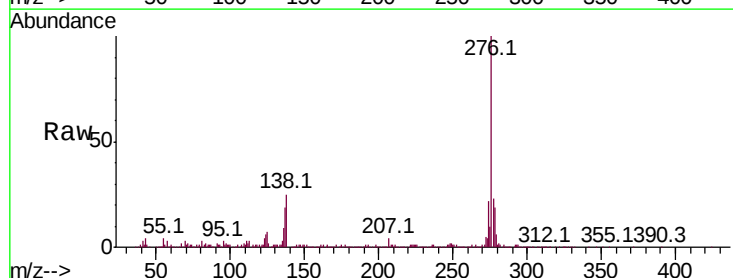
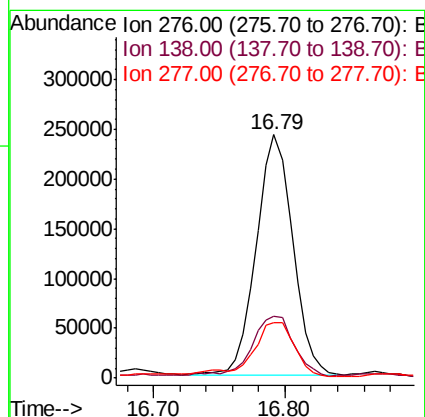
RT: 16.79 min Scan# 2500

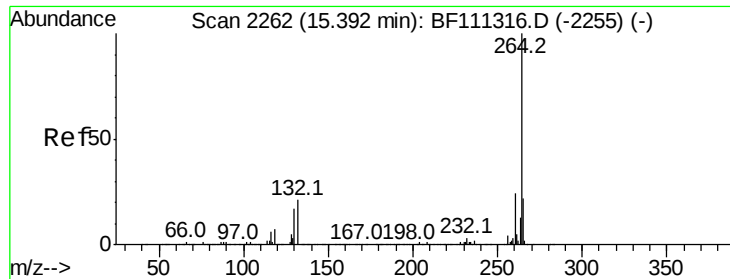
Delta R.T. -0.02 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Tgt Ion:	276	Resp:	457087
Ion Ratio	Lower	Upper	
276	100		
138	6.1	27.8	41.6#
277	5.0	20.1	30.1#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Instrument :

BNA_F

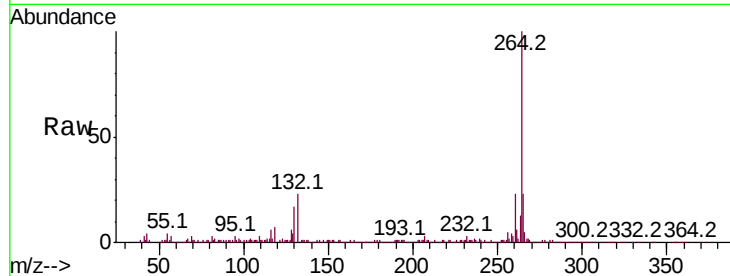
ClientSampled :

SB-5(0-2)

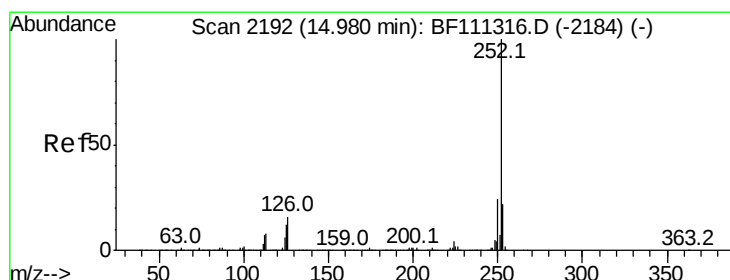
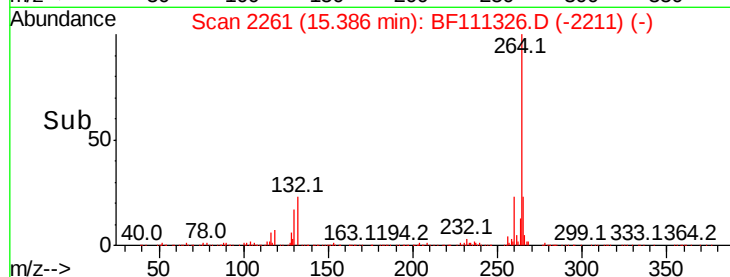
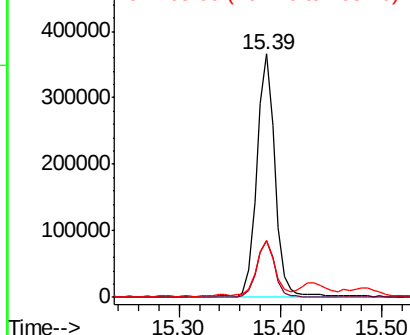
Tot Ion:	264	Resp:	452582
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.3	27.5
265	23.4	17.7	26.5

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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: 51.502 ng m

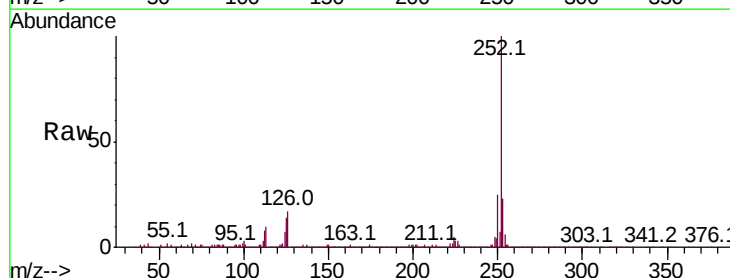
RT: 14.97 min Scan# 2191

Delta R.T. -0.01 min

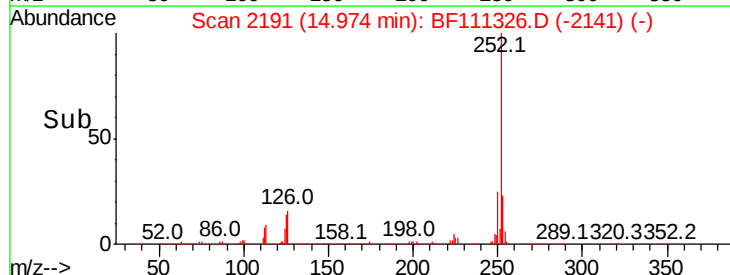
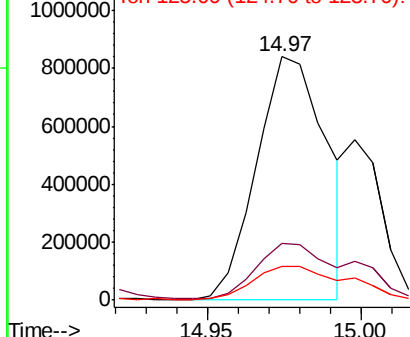
Lab File: BF111326.D

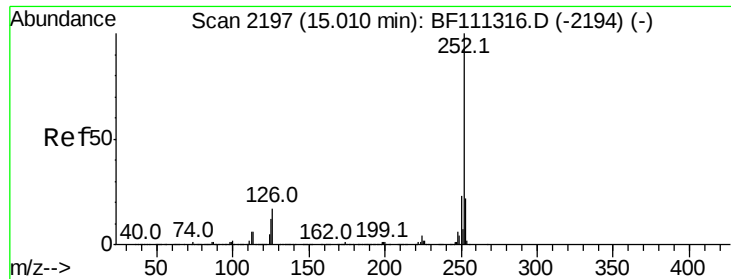
Acq: 12 Dec 2018 17:26

Tgt Ion:	252	Resp:	1325422
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	13.9	10.4	15.6



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: 17.342 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Instrument :

BNA_F

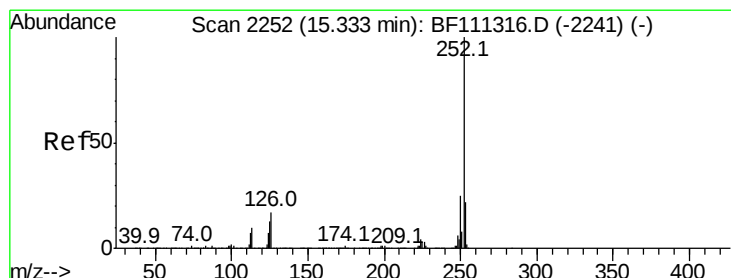
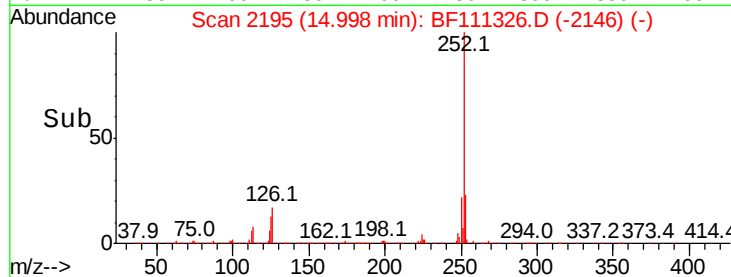
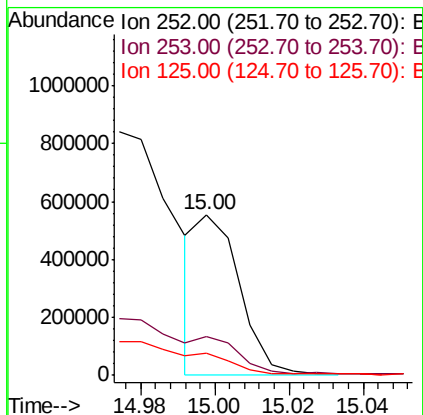
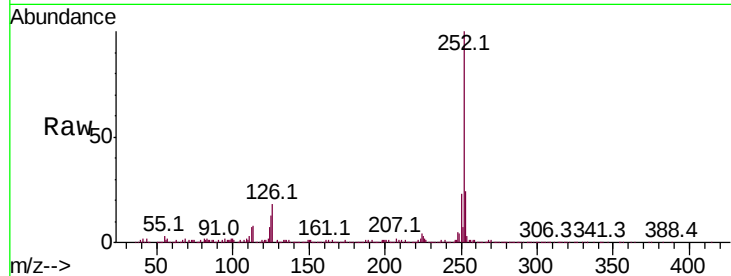
ClientSampled :

SB-5(0-2)

Tot Ion:	252	Resp:	445495
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.1	27.1
125	13.4	9.8	14.8

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#90

Benzo(a)pyrene

Concen: 37.446 ng

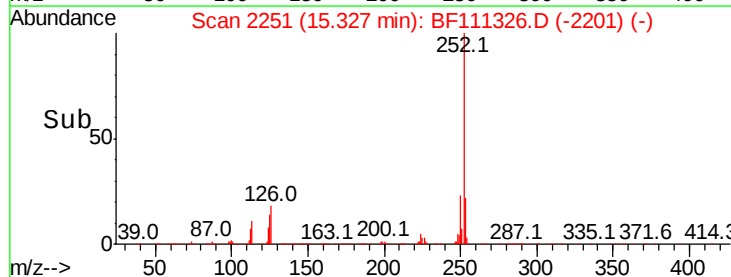
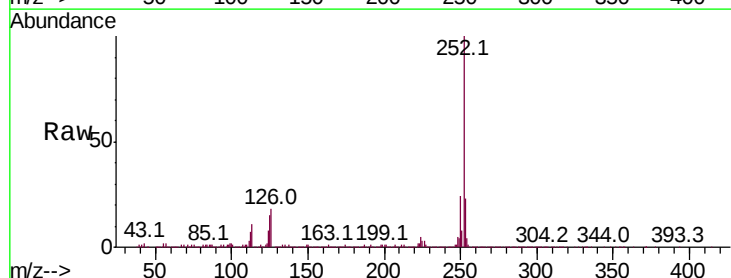
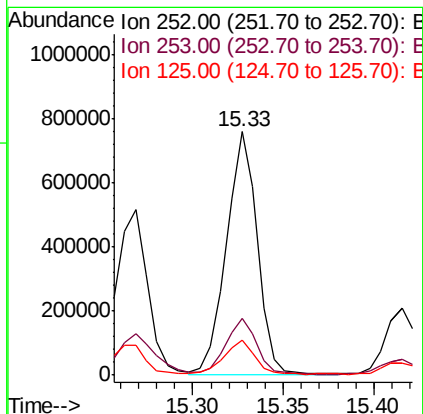
RT: 15.33 min Scan# 2251

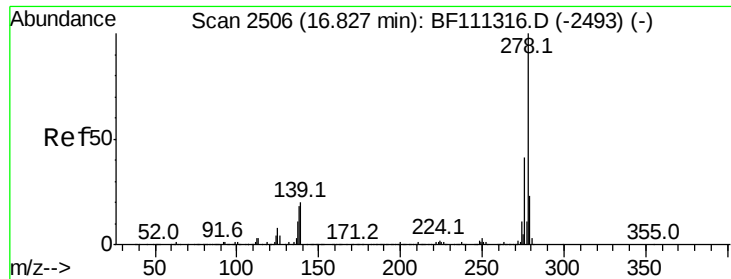
Delta R.T. -0.01 min

Lab File: BF111326.D

Acq: 12 Dec 2018 17:26

Tgt Ion:	252	Resp:	897299
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	14.6	12.3	18.5





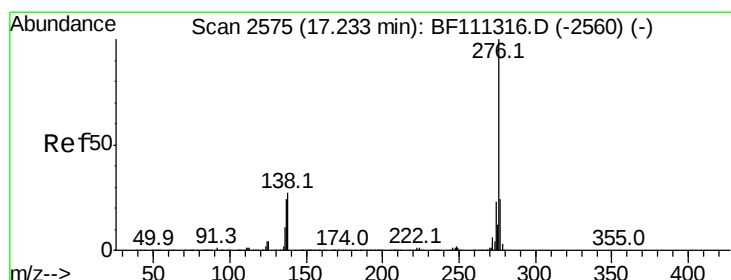
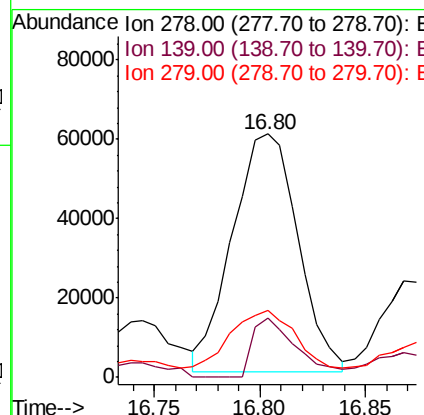
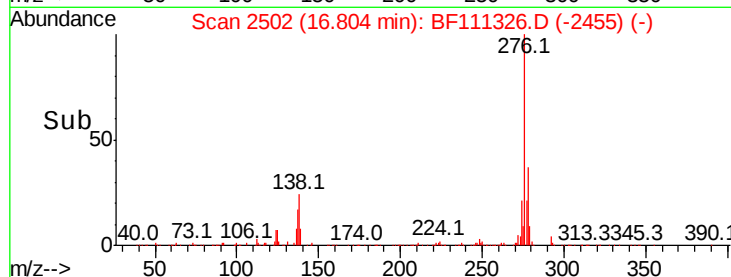
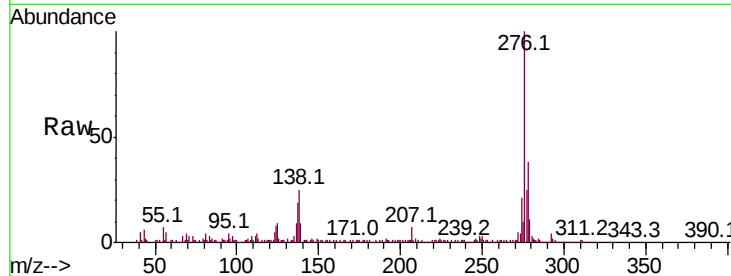
#91
Dibenzo(a,h)anthracene
Concen: 6.498 ng
RT: 16.80 min Scan# 2502
Delta R.T. -0.02 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	18.2	27.4
279	27.6	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 20.307 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BF111326.D
Acq: 12 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	27.1	24.9	37.3

