

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111627.D
 Acq On : 20 Dec 2018 8:43
 Operator : JU/SJ
 Sample : J6465-04DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB03_1.5-3.5DL

Manual Integrations
 APPROVED

Sohil
 12/20/2018 12:42:51 PM

Quant Time: Dec 20 10:25:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	172728	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	613591	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	285498	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	506650	20.00	ng	0.00
76) Chrysene-d12	14.05	240	451177	20.00	ng	0.00
87) Perylene-d12	15.52	264	321075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	483176	47.68	ng	0.00
7) Phenol-d6	6.52	99	606082	47.00	ng	0.00
23) Nitrobenzene-d5	7.45	82	340576	32.31	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	147917	43.85	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	688250	35.14	ng	0.00
79) Terphenyl-d14	12.99	244	712062	29.93	ng	0.00
Target Compounds						
10) Phenol	6.53	94	46100	3.168	ng	93
50) Dimethylphthalate	9.64	163	59988	2.873	ng	96
52) Acenaphthene	9.96	154	58540	3.405	ng	94
58) Fluorene	10.47	166	77781	4.155	ng	98
71) Phenanthrene	11.44	178	1147010	42.688	ng	95
72) Anthracene	11.49	178	299790	11.116	ng	95
73) Carbazole	11.64	167	88811	3.392	ng	95
75) Fluoranthene	12.63	202	1756674	64.562	ng	98
78) Pyrene	12.86	202	1523471	47.816	ng	97
81) Benzo(a)anthracene	14.04	228	843682	32.766	ng	100
83) Chrysene	14.07	228	703958	27.817	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	298275	13.865	ng	# 84
88) Benzo(b)fluoranthene	15.09	252	752331m	40.092	ng	
89) Benzo(k)fluoranthene	15.12	252	259391m	14.520	ng	
90) Benzo(a)pyrene	15.46	252	506290m	29.698	ng	
91) Dibenzo(a,h)anthracene	17.01	278	72250	4.840	ng	94
92) Benzo(a,h,i)perylene	17.45	276	266837	18.305	ng	# 86

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

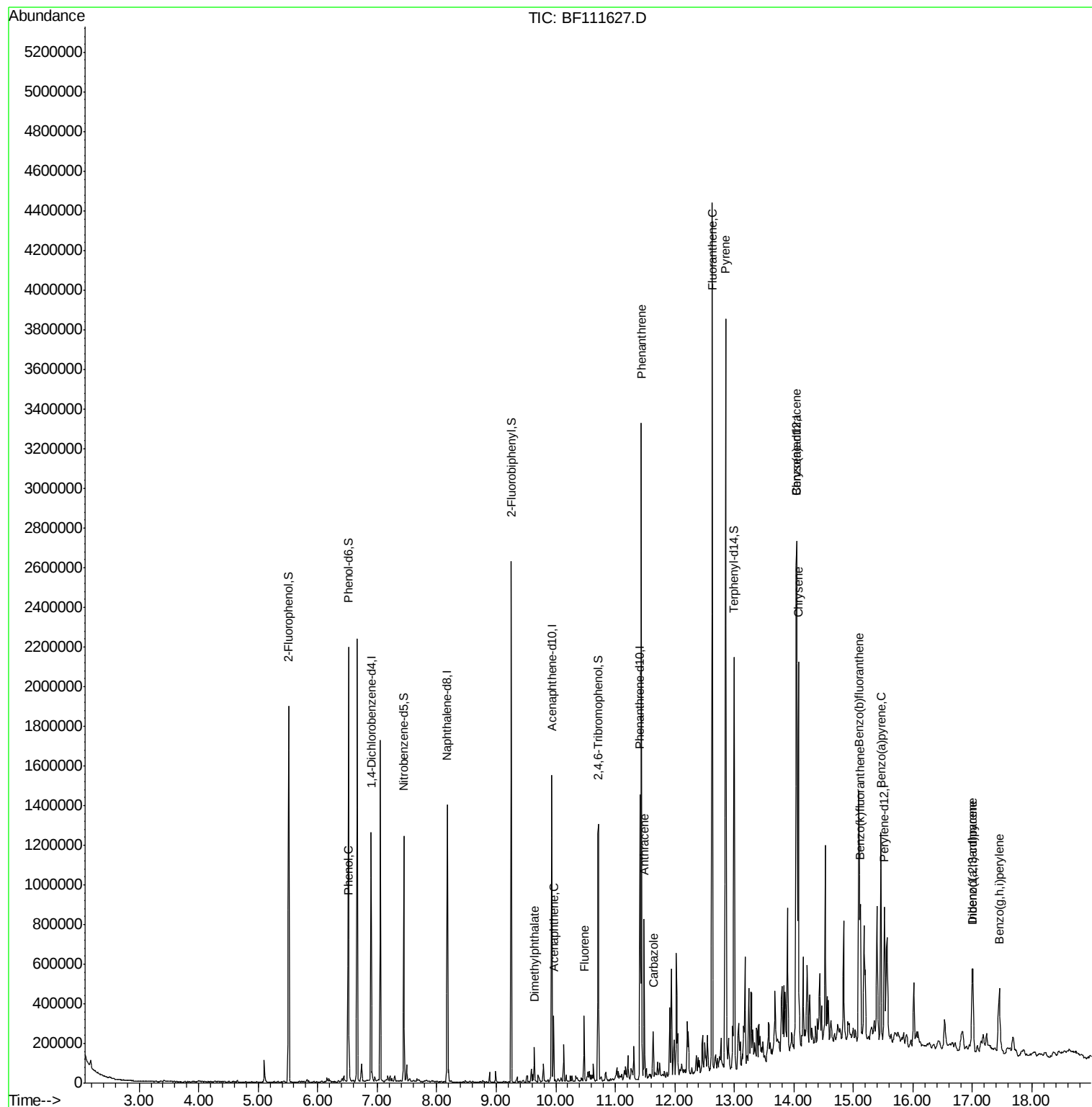
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
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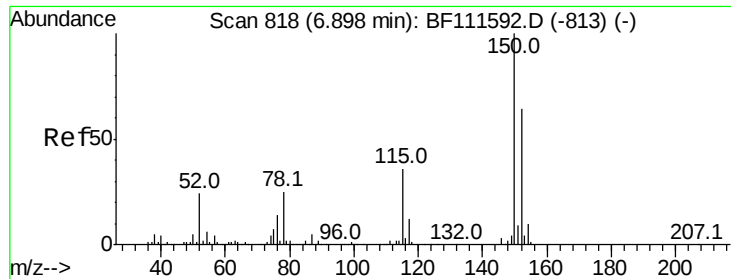
Instrument :
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Quant Time: Dec 20 10:25:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

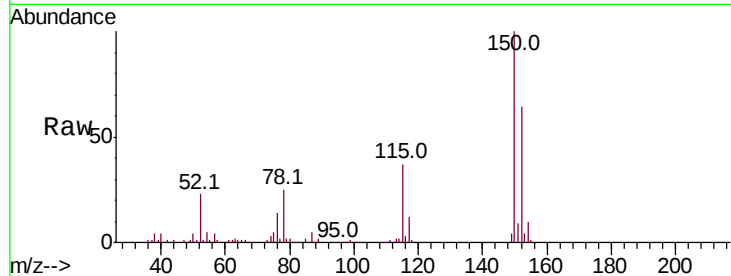
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.6	189.8
115	57.3	50.7	76.1

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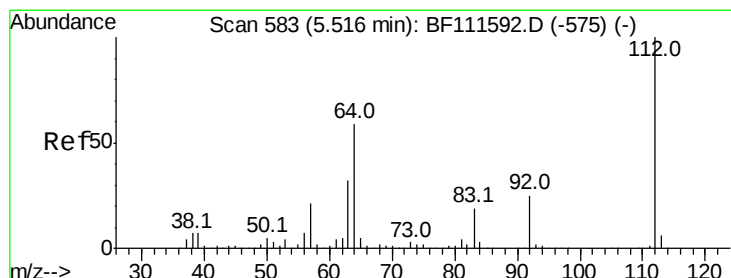
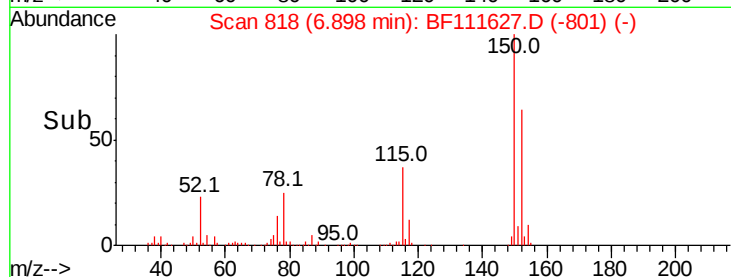
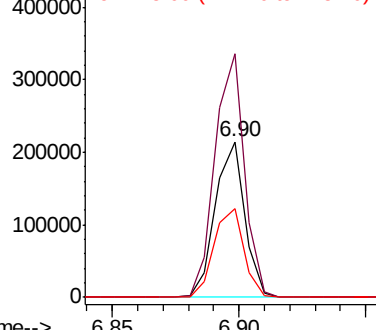


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

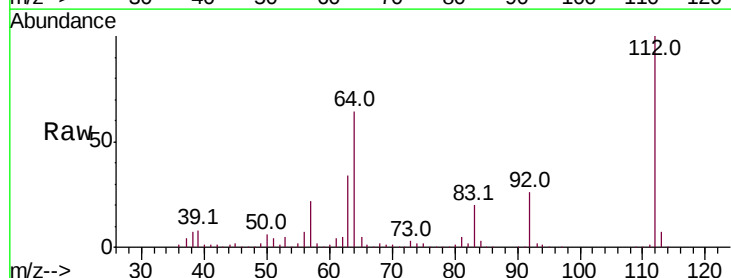
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.681 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.8	77.6
63	34.4	26.8	40.2

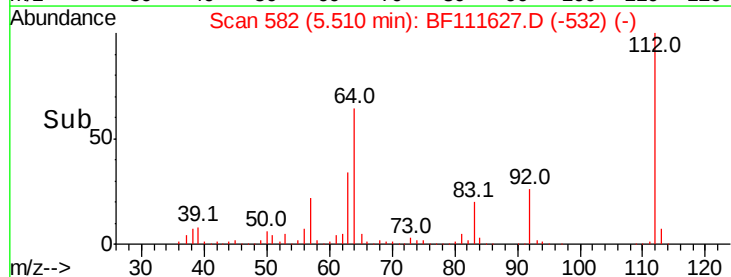
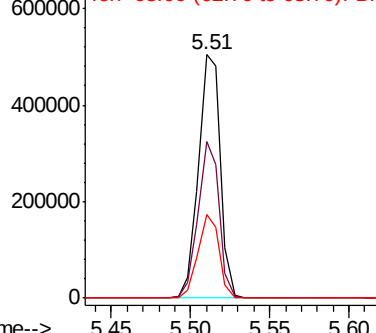


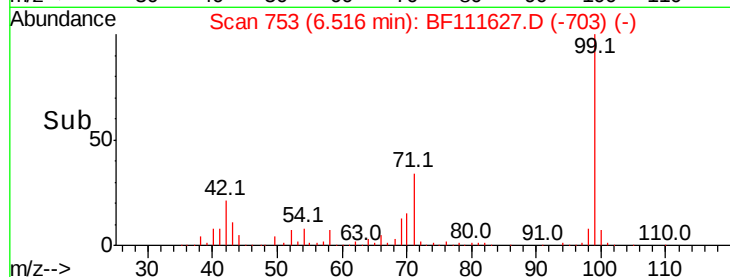
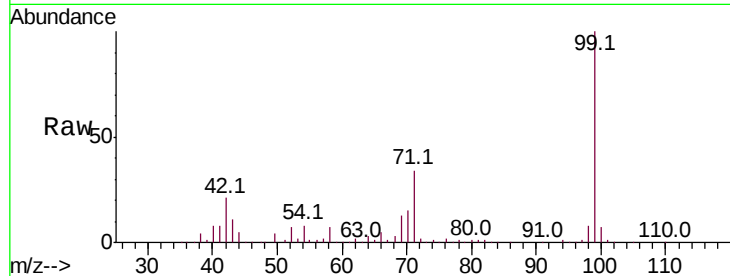
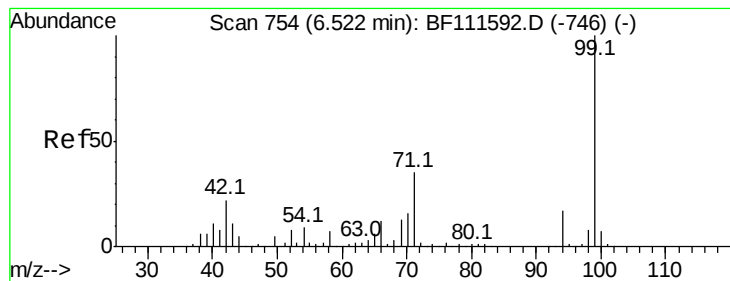
Abundance

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: 46.996 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Tot Ion	99	Resp	606082
Ion Ratio	Lower	Upper	
99	100		
42	21.4	17.4	26.0
71	34.3	26.1	39.1

Instrument :

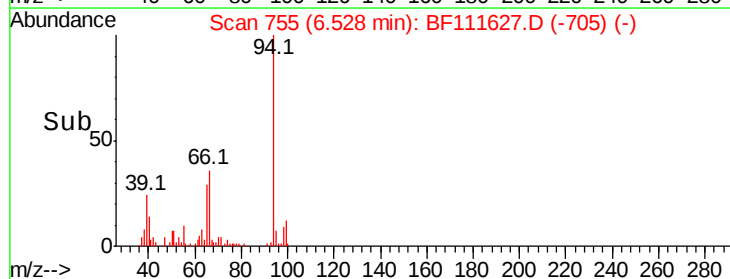
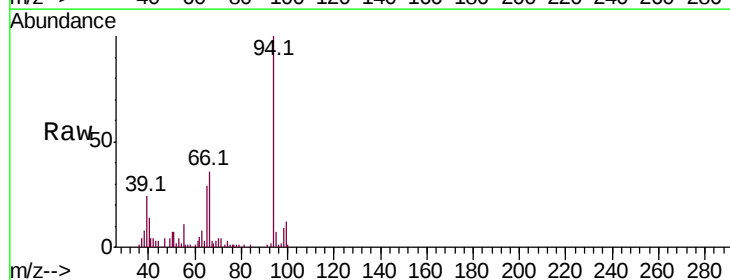
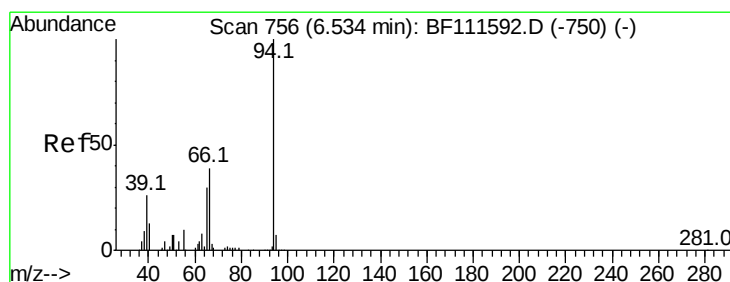
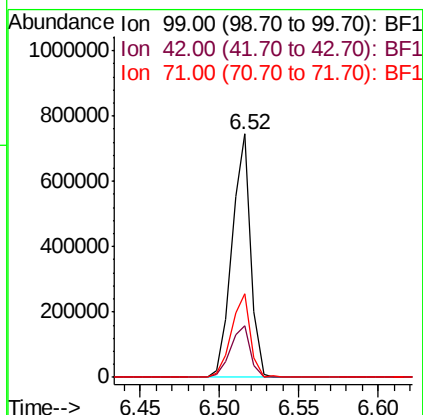
BNA_F

ClientSampleId :

EB03_1.5-3.5DL

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#10

Phenol

Concen: 3.168 ng

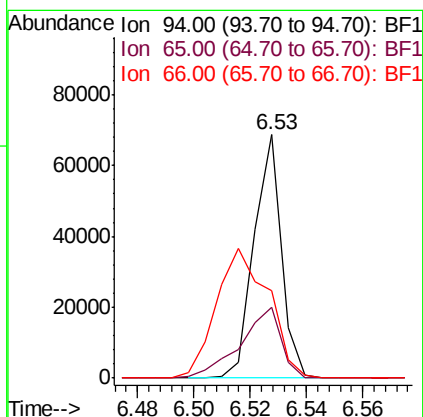
RT: 6.53 min Scan# 755

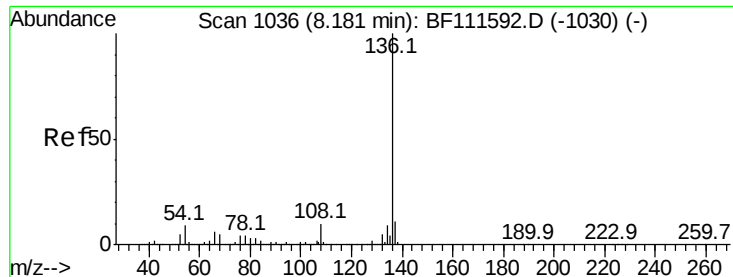
Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Tgt Ion	94	Resp	46100
Ion Ratio	Lower	Upper	
94	100		
65	28.8	11.7	51.7
66	36.0	21.0	61.0





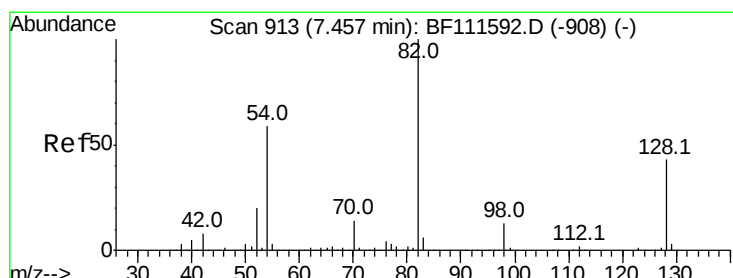
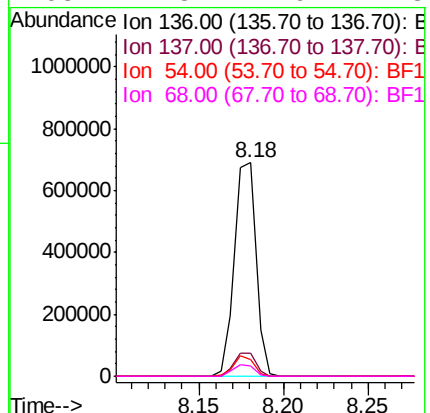
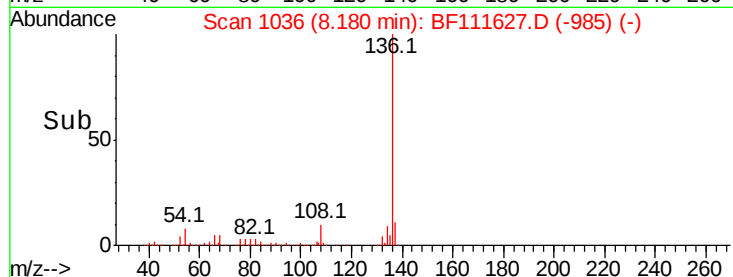
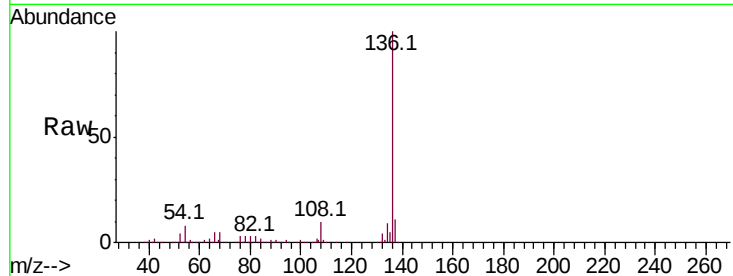
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.8	7.7	11.5
68	4.8	4.9	7.3#

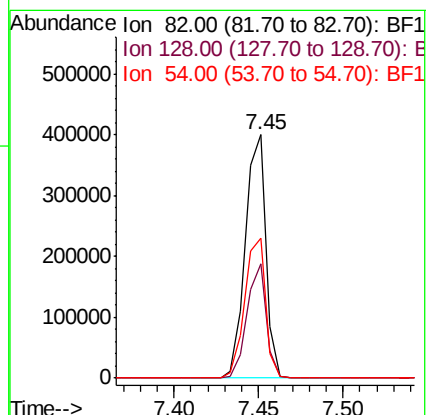
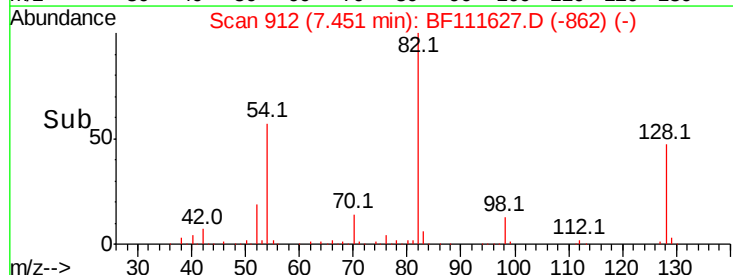
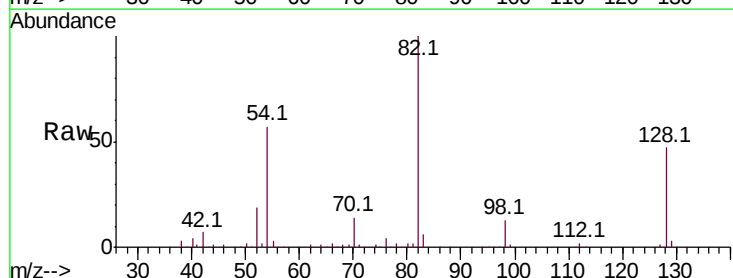
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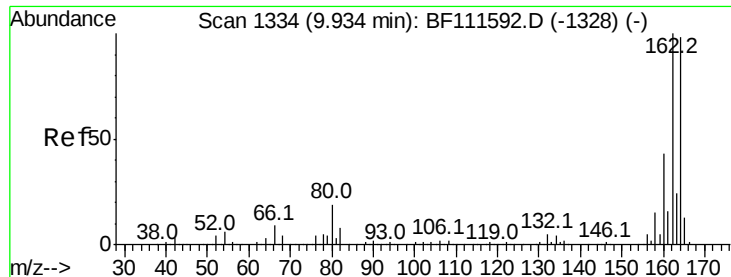
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#23
Nitrobenzene-d5
Concen: 32.308 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.1	37.4	56.2
54	57.4	47.6	71.4





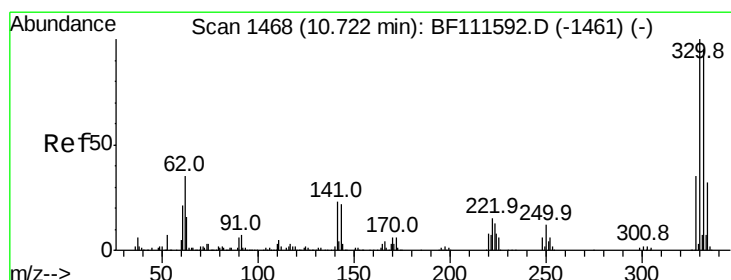
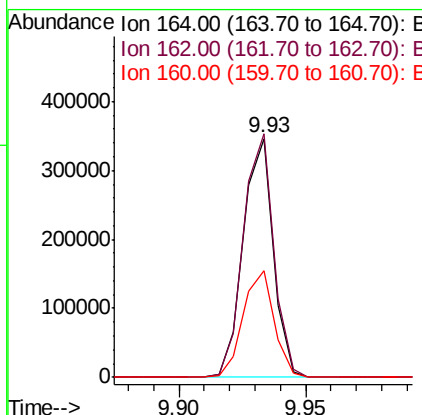
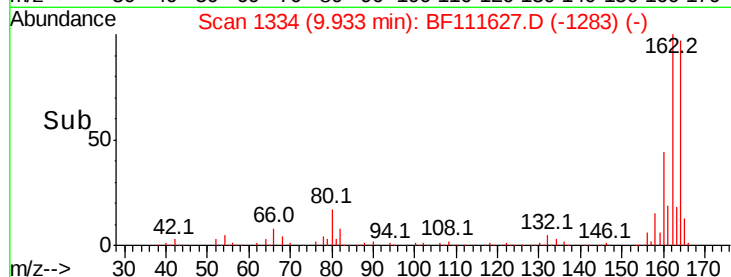
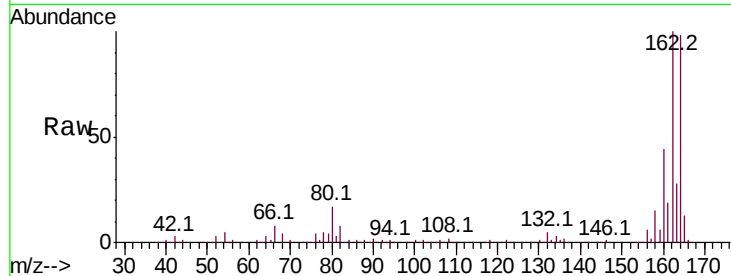
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	285498		
162	101.9	81.4	122.0	
160	44.5	35.7	53.5	

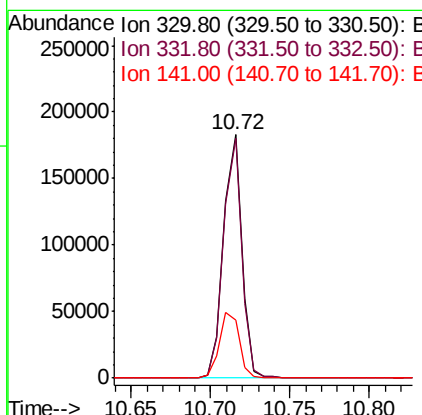
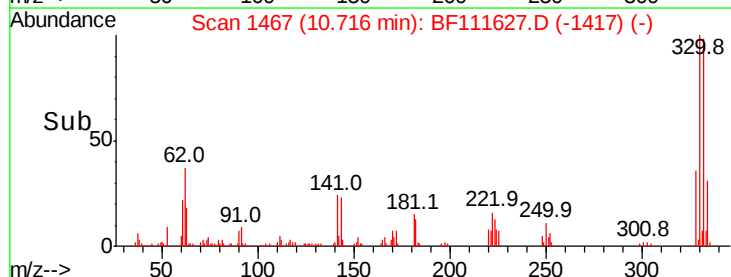
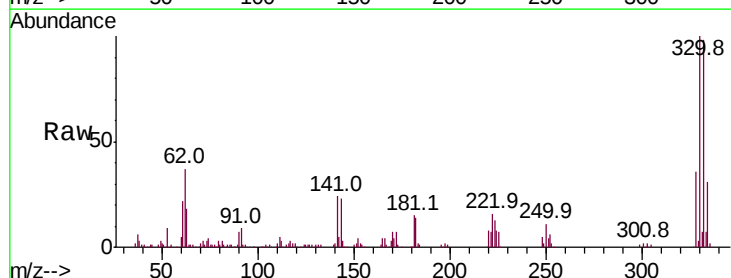
Manual Integrations
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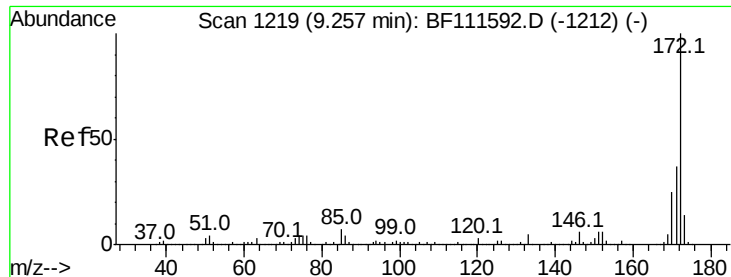
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#42
2,4,6-Tribromophenol
Concen: 43.848 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	147917		
332	97.8	76.0	114.0	
141	29.5	31.0	46.6#	





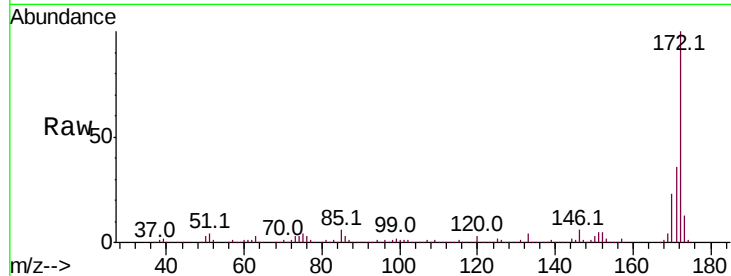
#45
2-Fluorobiphenyl
Concen: 35.138 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.2	33.0	49.4
170	23.2	22.3	33.5

Manual Integrations
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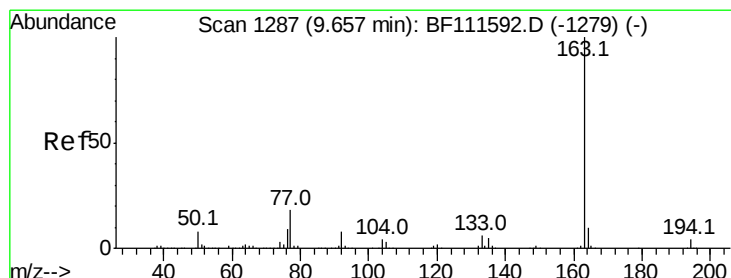
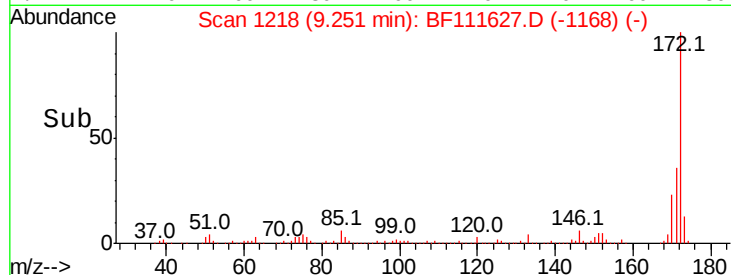
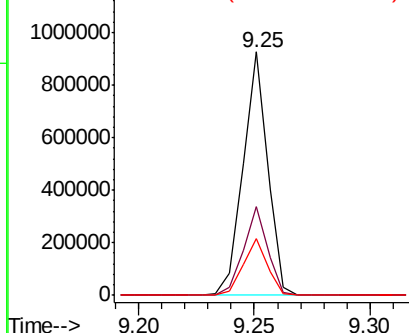


Abundance

Ion 172.00 (171.70 to 172.70): E

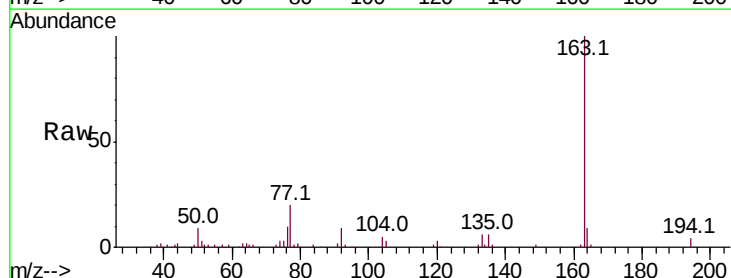
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.873 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.3	8.9	13.3

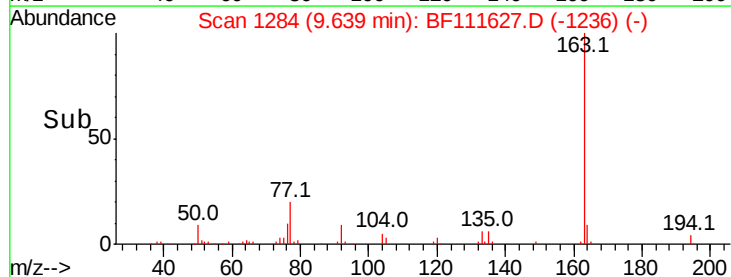
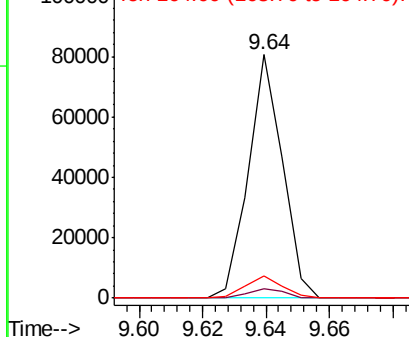


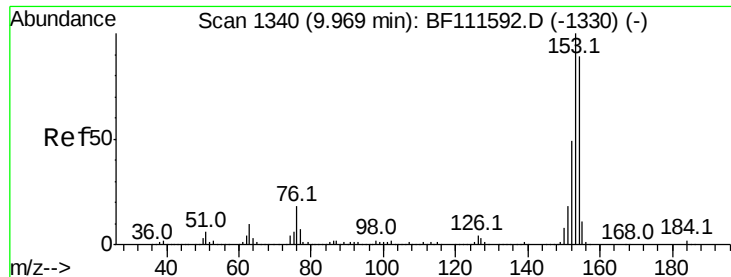
Abundance

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





#52

Acenaphthene

Concen: 3.405 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

EB03_1.5-3.5DL

Tot Ion:154 Resp: 58540

Ion Ratio Lower Upper

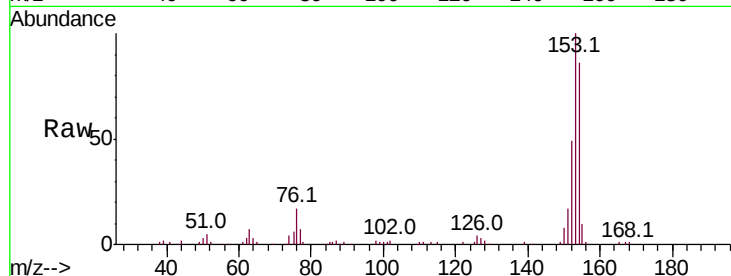
154 100

153 116.7 87.8 131.8

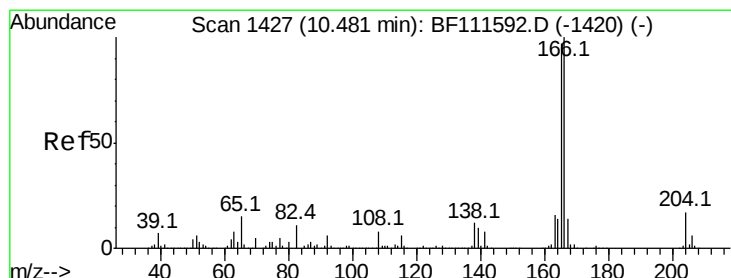
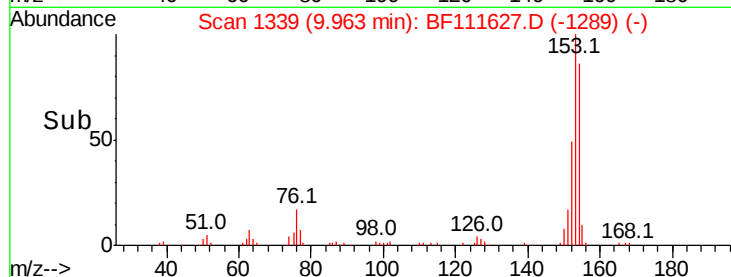
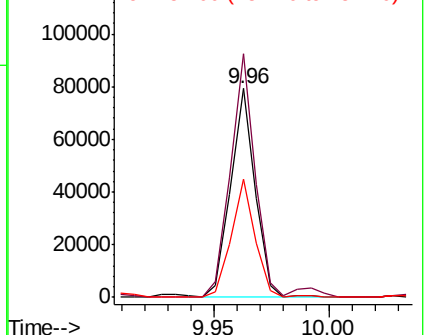
152 56.7 43.4 65.2

Manual Integrations
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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



#58

Fluorene

Concen: 4.155 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

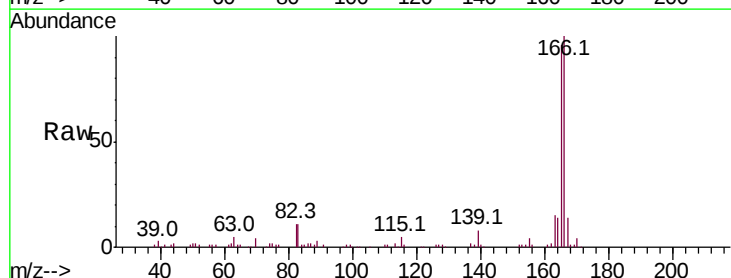
Tgt Ion:166 Resp: 77781

Ion Ratio Lower Upper

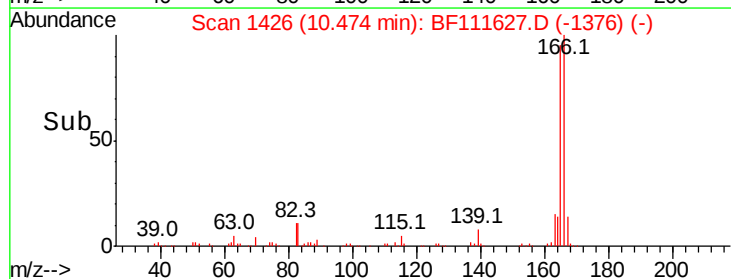
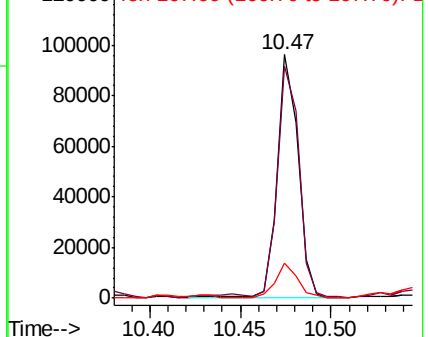
166 100

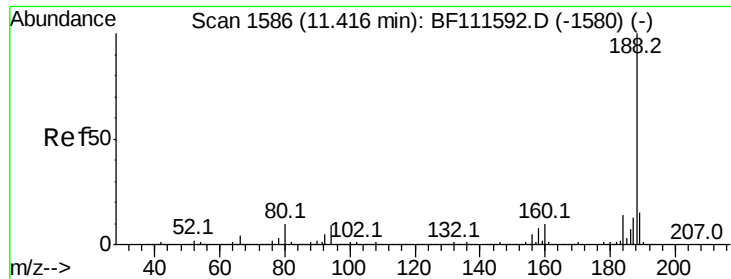
165 95.6 78.4 117.6

167 14.4 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





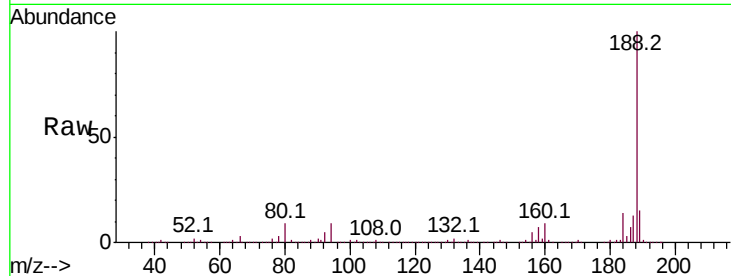
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 EB03_1.5-3.5DL

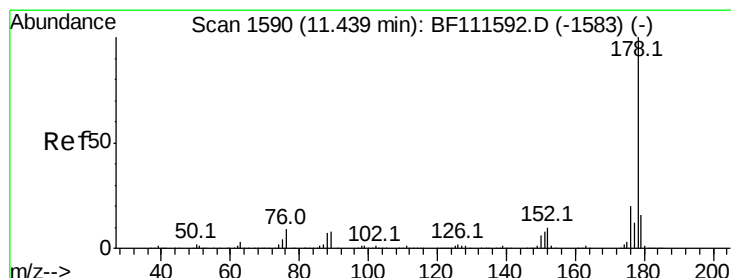
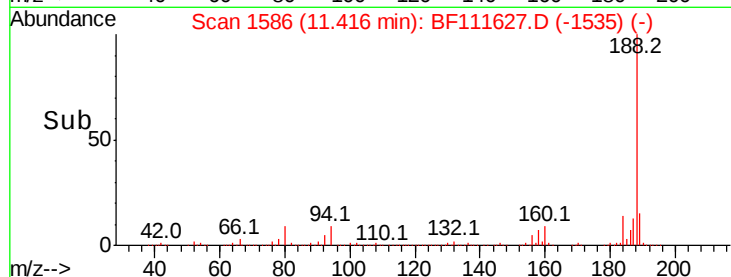
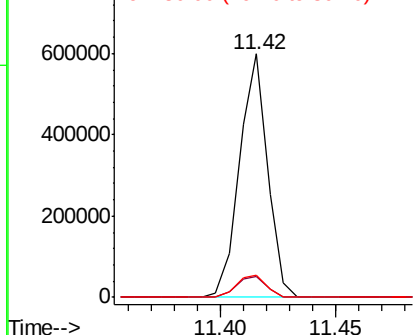
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	9.6	14.4#
80	9.2	9.8	14.6#

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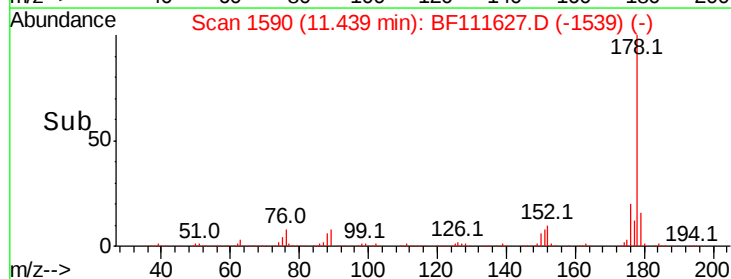
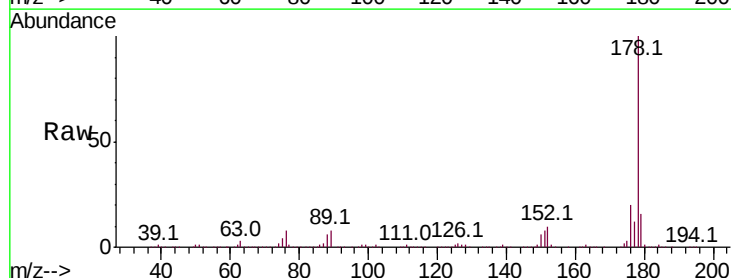
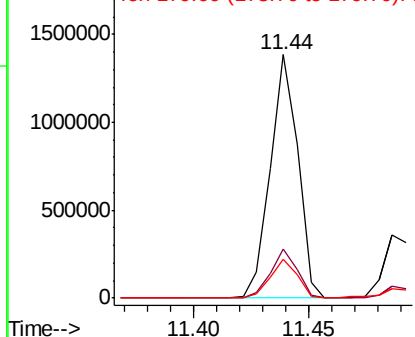
Abundance Ion 188.00 (187.70 to 188.70): E
 800000 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

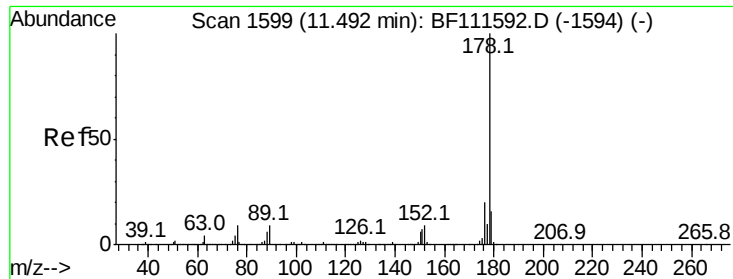


#71
 Phenanthrene
 Concen: 42.688 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	18.1	27.1
179	16.1	14.0	21.0

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





#72

Anthracene

Concen: 11.116 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

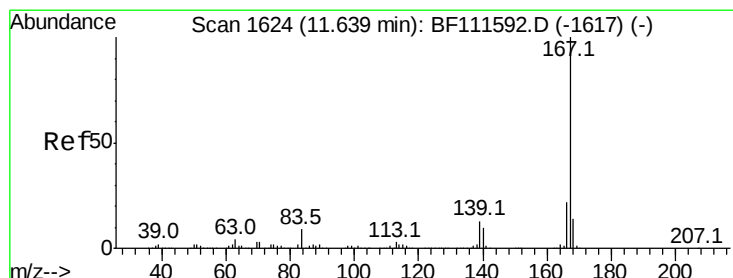
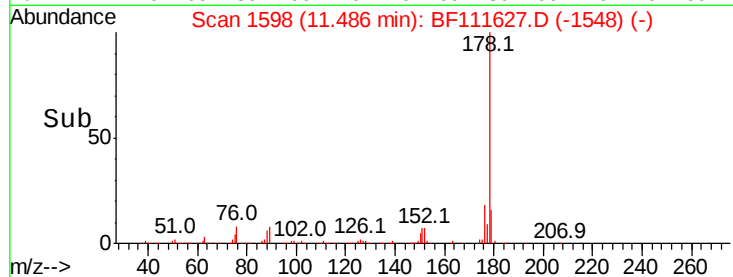
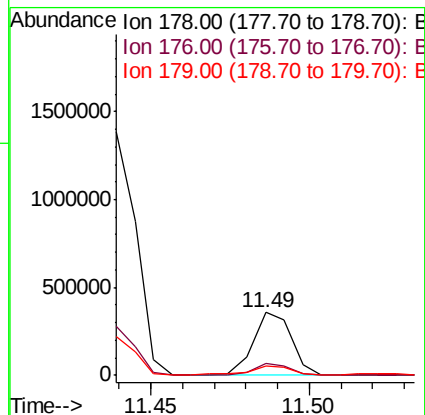
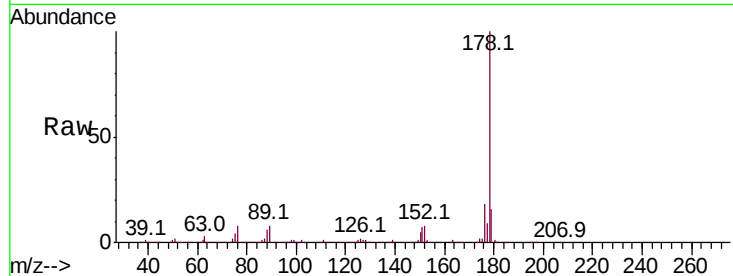
ClientSampleId :

EB03_1.5-3.5DL

Tot Ion:	178	Resp:	299790
Ion Ratio	Lower	Upper	
178	100		
176	18.3	17.2	25.8
179	15.6	13.8	20.8

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#73

Carbazole

Concen: 3.392 ng

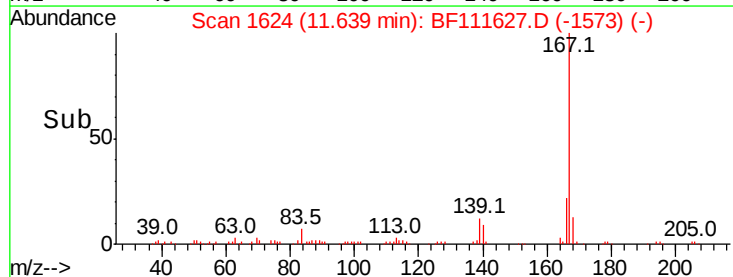
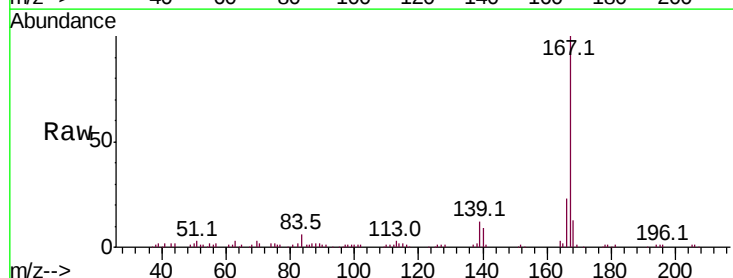
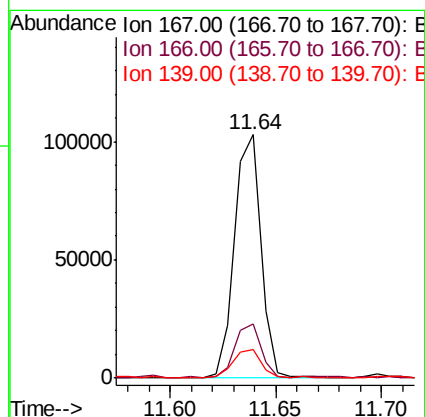
RT: 11.64 min Scan# 1624

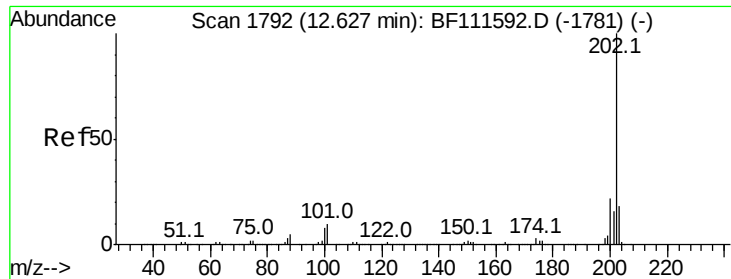
Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Tgt Ion:	167	Resp:	88811
Ion Ratio	Lower	Upper	
167	100		
166	22.5	19.3	28.9
139	11.9	11.9	17.9





#75

Fluoranthene

Concen: 64.562 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

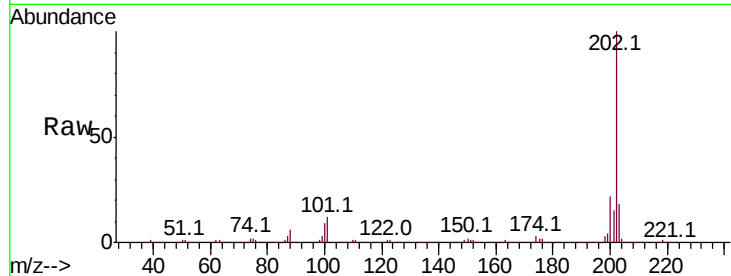
ClientSampleId :

EB03_1.5-3.5DL

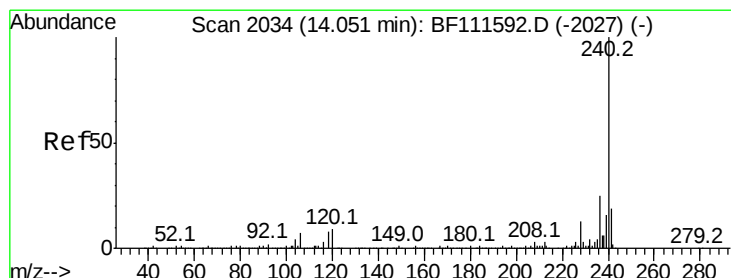
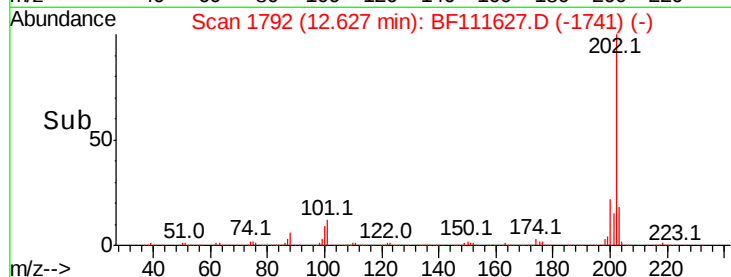
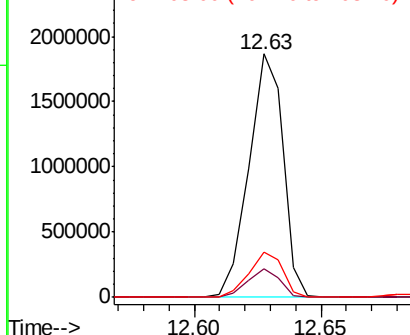
Tot Ion:	202	Resp:	1756674
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.8
203	18.4	0.0	38.6

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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: 14.05 min Scan# 2034

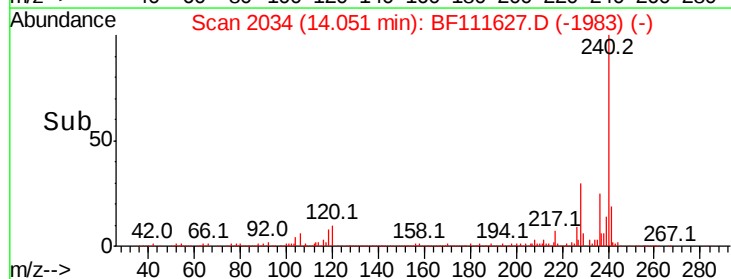
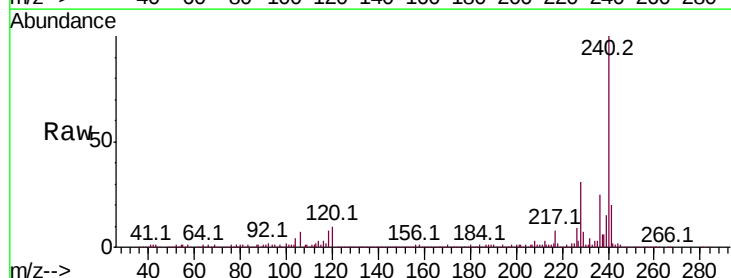
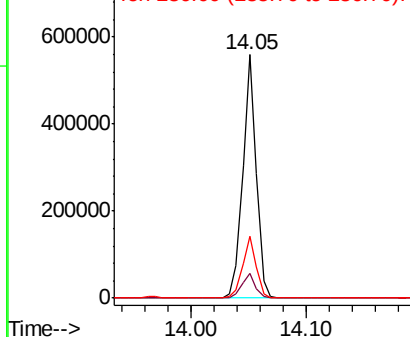
Delta R.T. -0.00 min

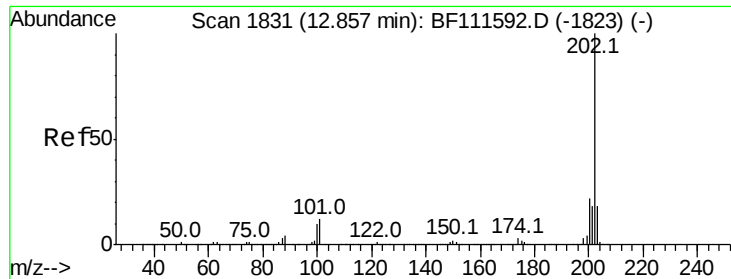
Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Tgt Ion:	240	Resp:	451177
Ion	Ratio	Lower	Upper
240	100		
120	9.9	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





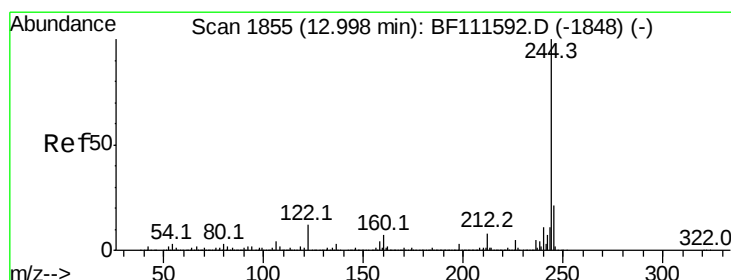
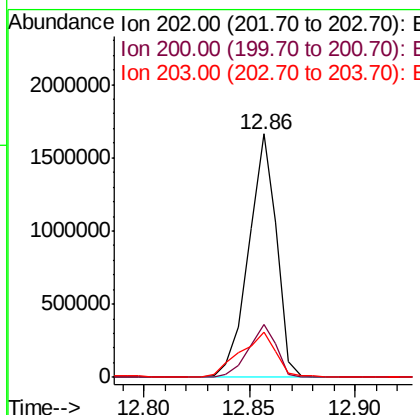
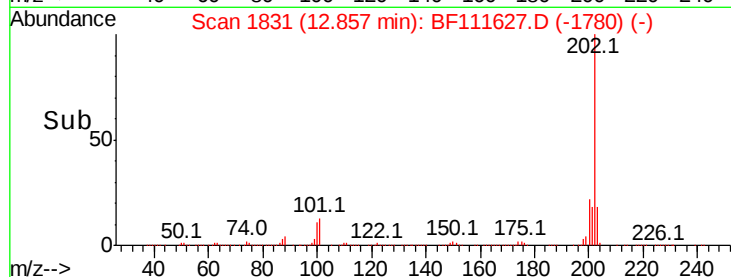
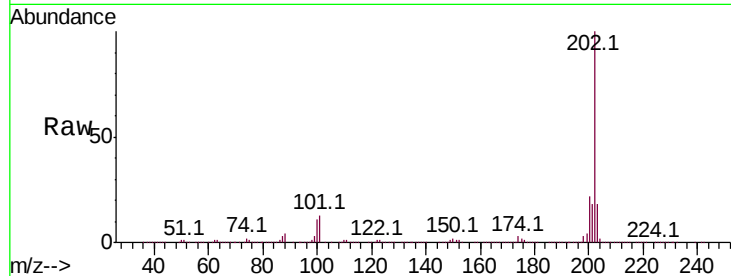
#78
Pvrene
Concen: 47.816 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	19.0	28.4
203	18.3	15.2	22.8

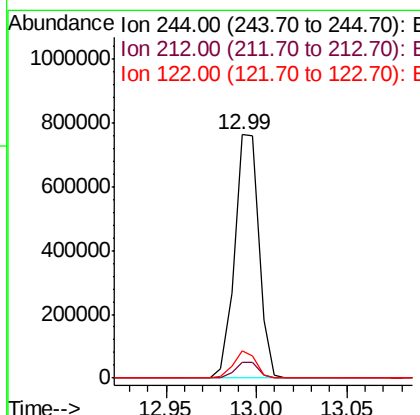
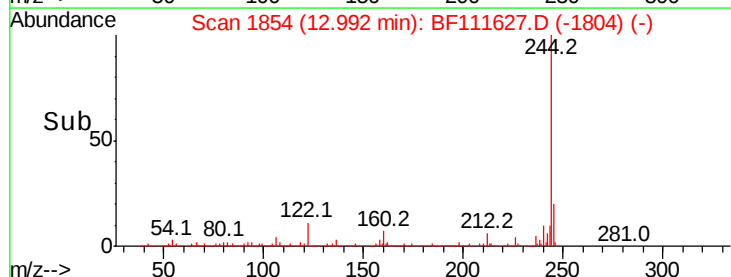
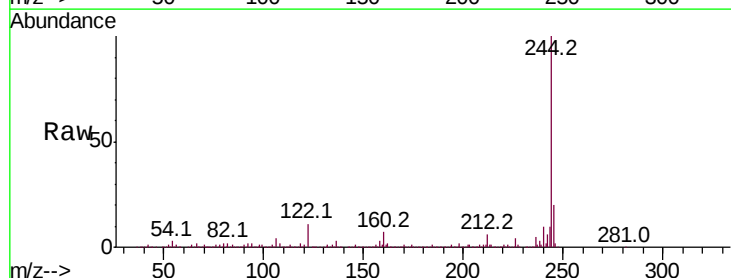
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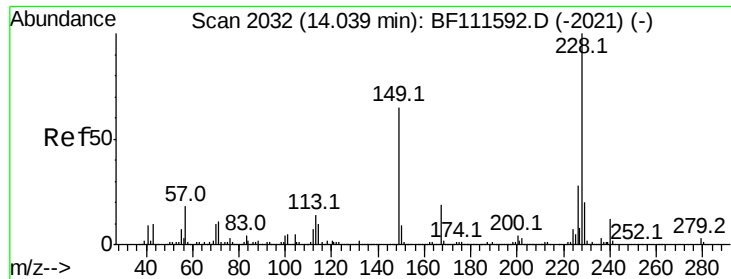
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#79
Terphenyl-d14
Concen: 29.930 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	11.3	13.1	19.7#





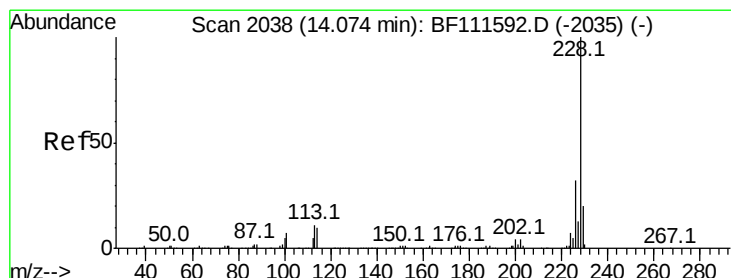
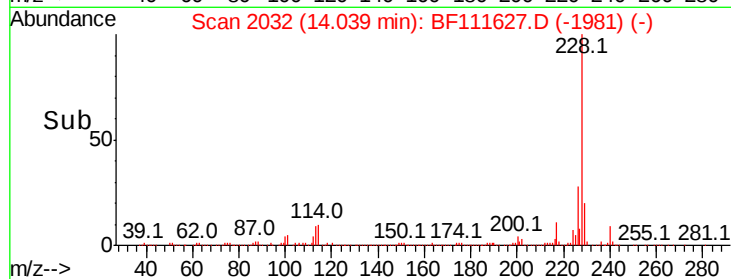
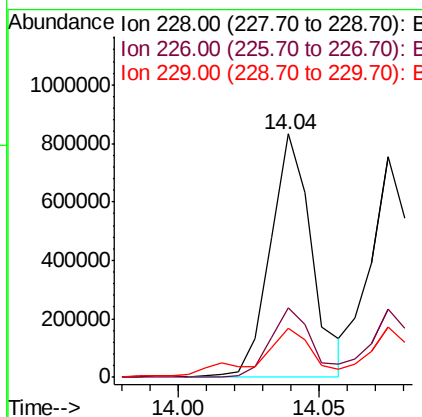
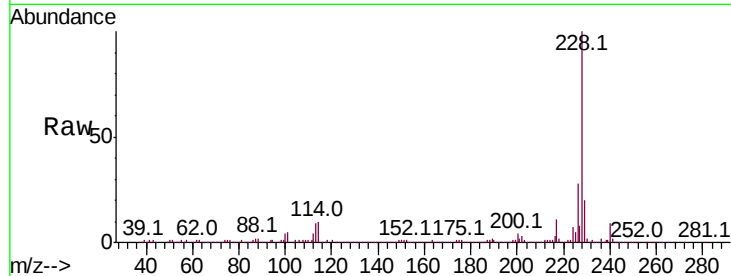
#81
Benzo(a)anthracene
Concen: 32.766 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.3	16.3	24.5

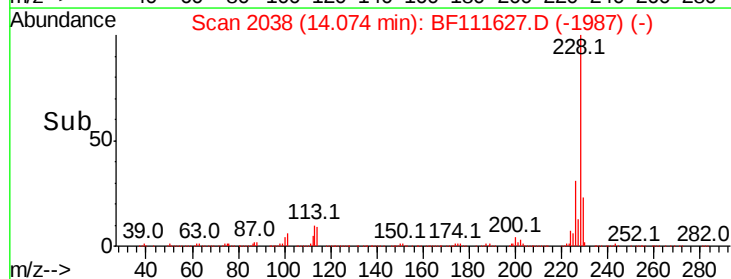
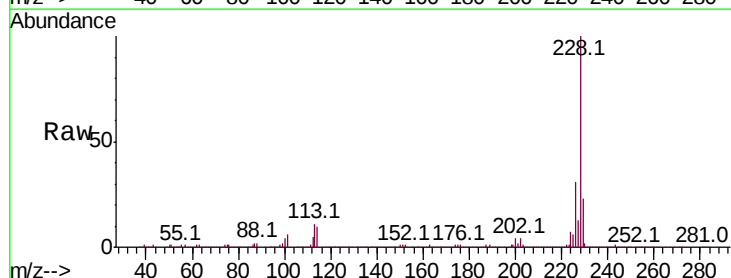
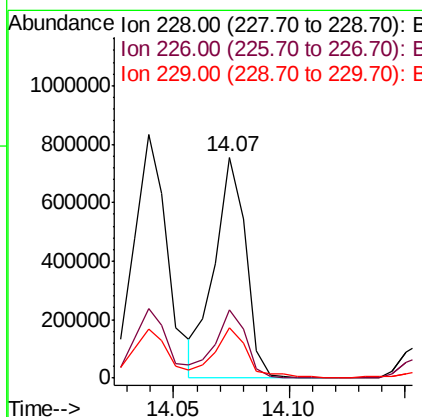
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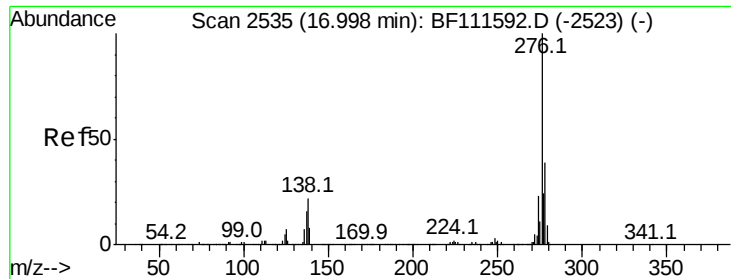
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#83
Chrysene
Concen: 27.817 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.3	37.9
229	22.7	17.2	25.8





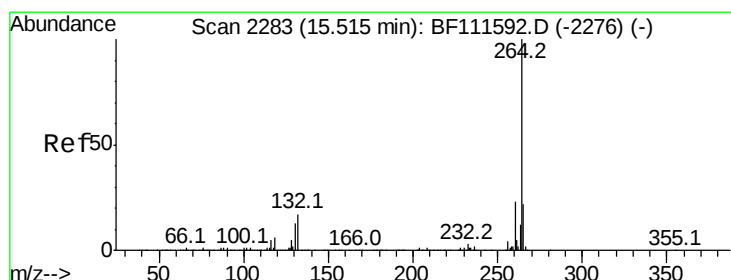
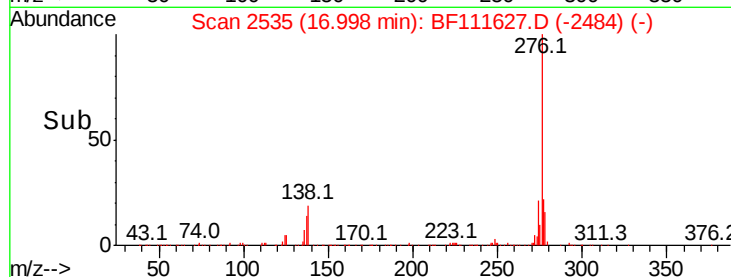
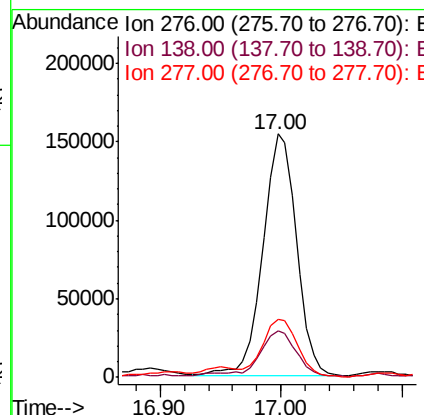
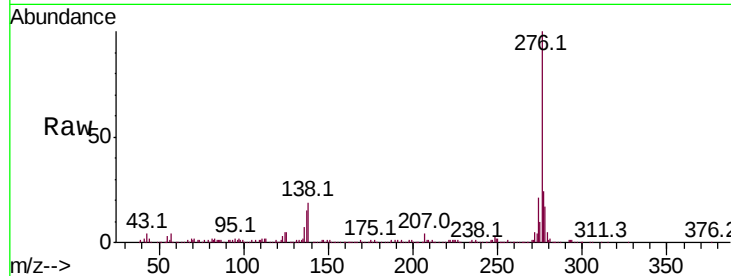
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.865 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	298275		
138	19.9	27.8	41.6#	
277	24.2	20.1	30.1	

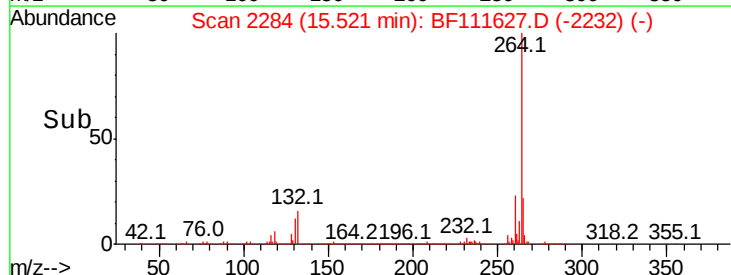
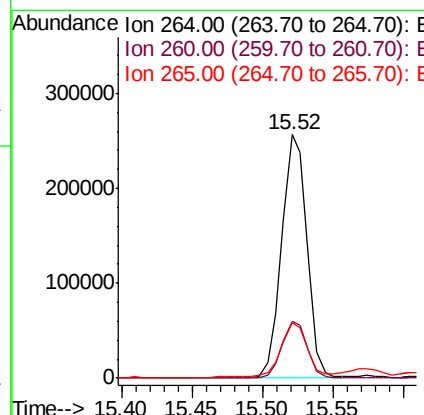
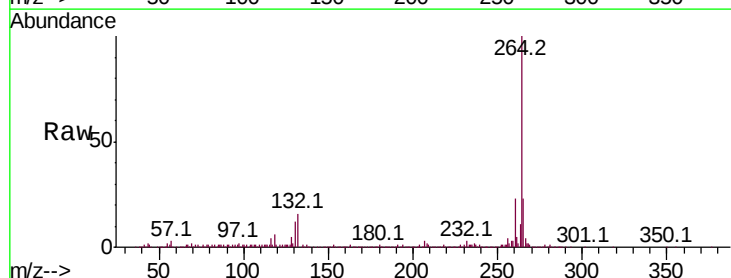
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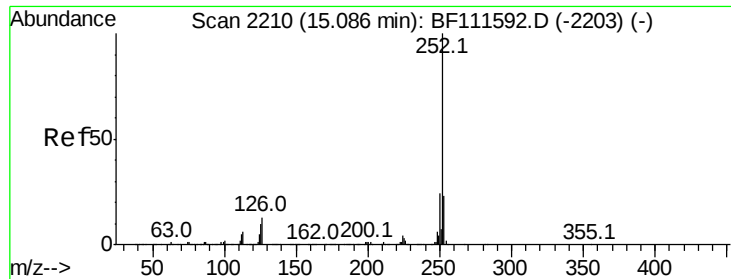
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	321075		
260	23.2	18.3	27.5	
265	22.6	17.7	26.5	





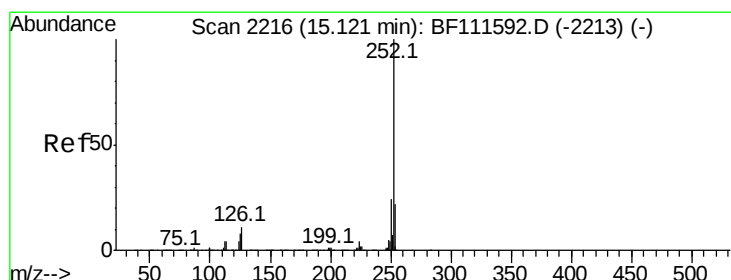
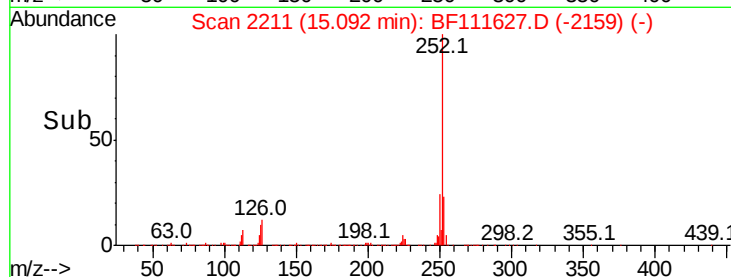
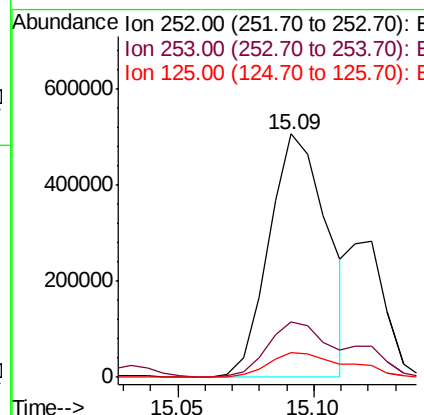
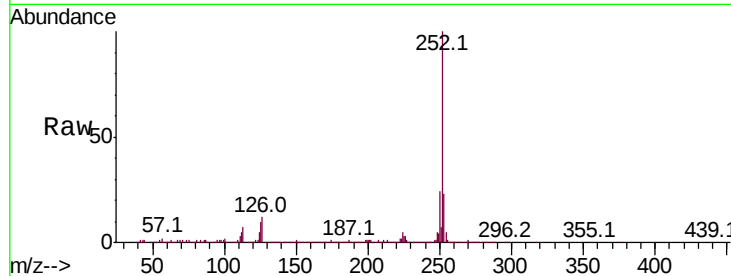
#88
Benzo(b)fluoranthene
Concen: 40.092 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.3	10.4	15.6

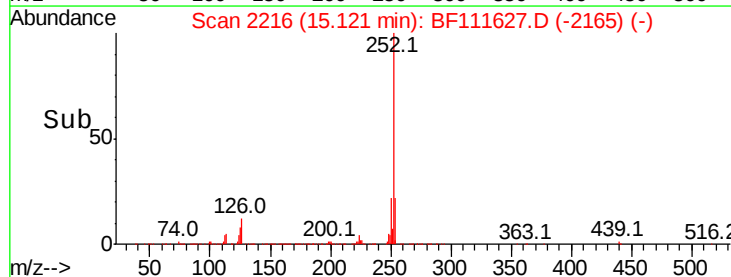
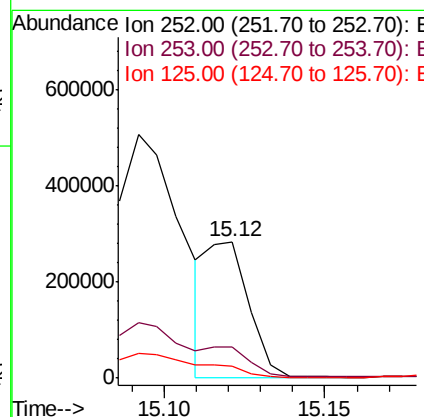
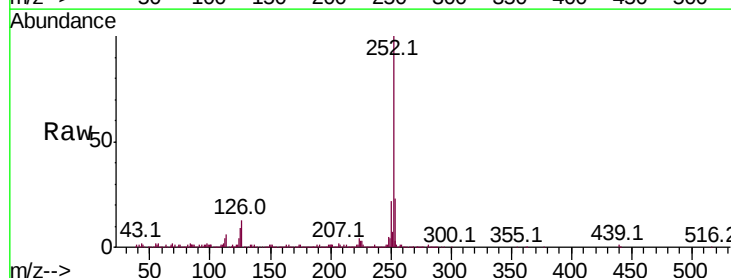
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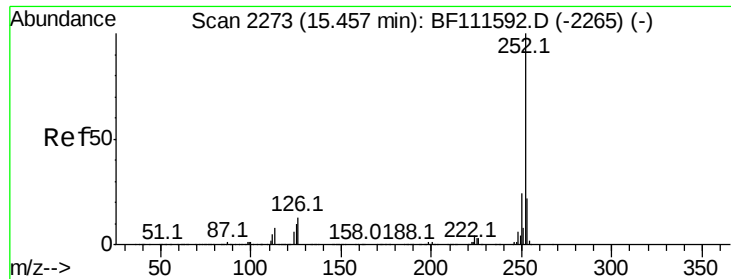
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#89
Benzo(k)fluoranthene
Concen: 14.520 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	8.6	9.8	14.8





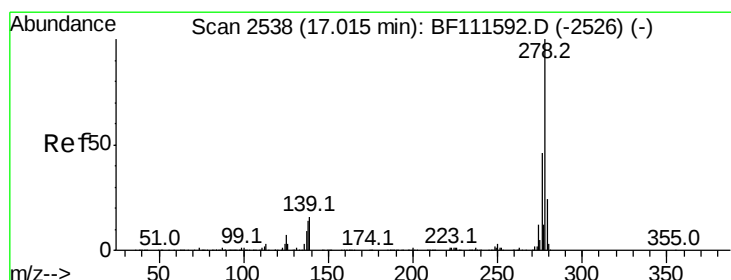
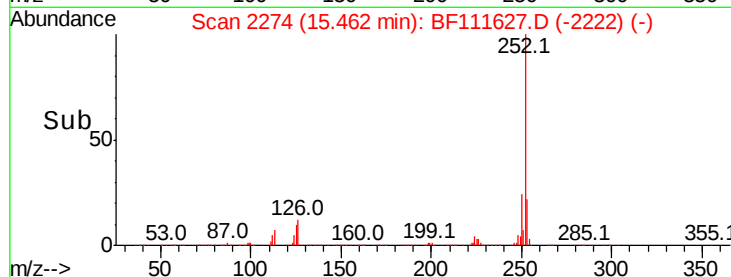
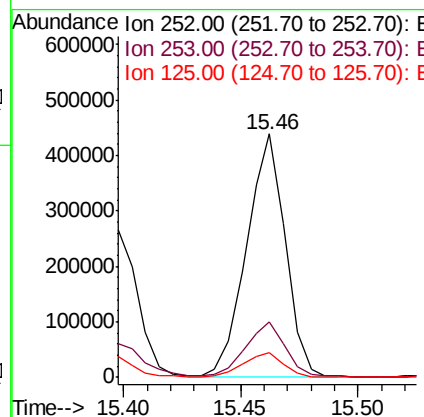
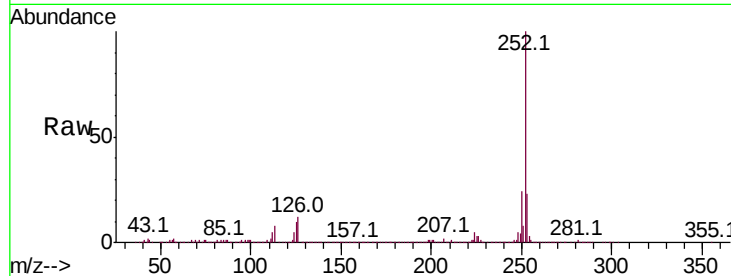
#90
Benzo(a)pyrene
Concen: 29.698 ng/ml
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :
EB03_1.5-3.5DL

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	17.8	26.8
125	10.2	12.3	18.5

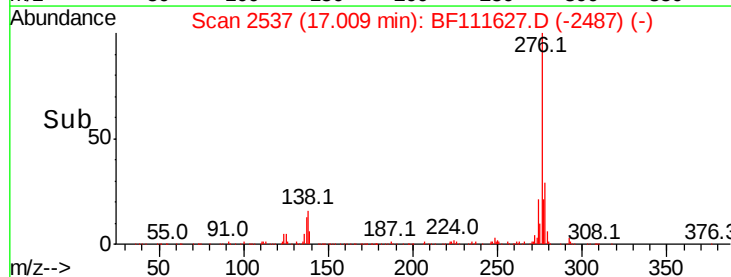
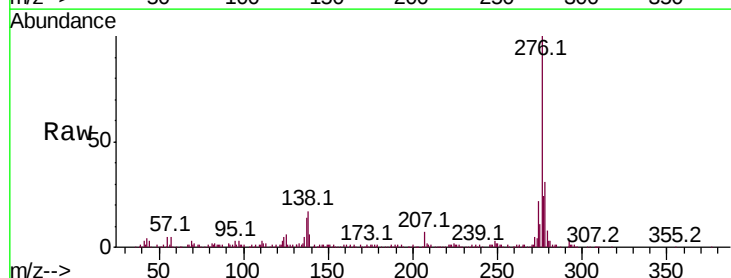
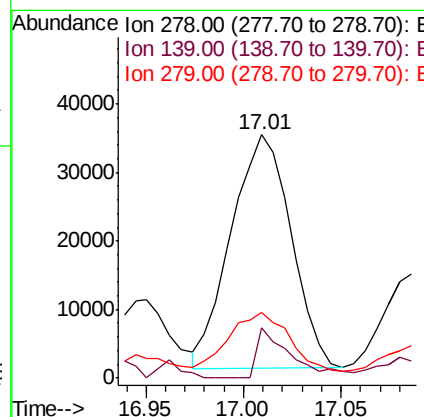
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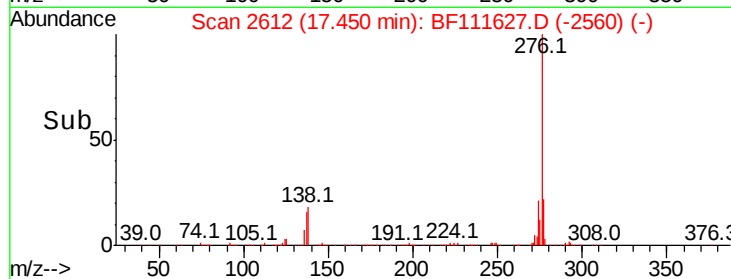
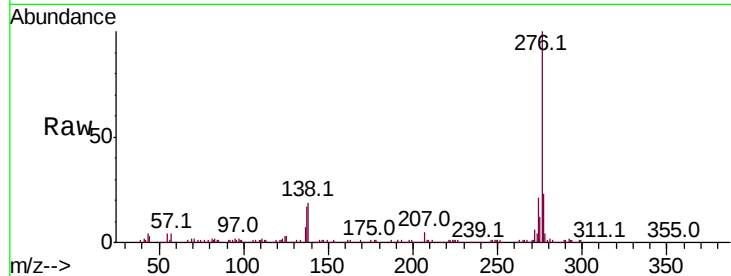
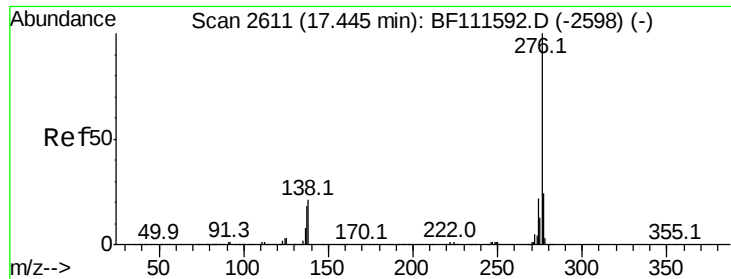
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#91
Dibenzo(a,h)anthracene
Concen: 4.840 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	20.5	18.2	27.4
279	27.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 18.305 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.01 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 EB03_1.5-3.5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.2	28.8
138	18.5	24.9	37.3

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