

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111343.D
 Acq On : 13 Dec 2018 1:13
 Operator : JU/SJ
 Sample : J6214-25 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Manual Integrations
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Sohil
 12/13/2018 6:06:54 PM

Quant Time: Dec 13 05:55:01 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	215144	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	773712	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	321347	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	575219	20.00	ng	0.00
76) Chrysene-d12	13.95	240	354196	20.00	ng	0.00
87) Perylene-d12	15.40	264	290615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	235883	18.54	ng	0.00
7) Phenol-d6	6.42	99	288157	16.80	ng	-0.01
23) Nitrobenzene-d5	7.35	82	138656	10.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	44786	15.81	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	276700	13.82	ng	0.00
79) Terphenyl-d14	12.90	244	229970	14.29	ng	0.00
Target Compounds						
71) Phenanthrene	11.34	178	475128	15.980	ng	Qvalue 94
72) Anthracene	11.39	178	103944	3.433	ng	95
75) Fluoranthene	12.53	202	595467	20.516	ng	98
78) Pyrene	12.76	202	528116	19.320	ng	97
81) Benzo(a)anthracene	13.95	228	193469	9.762	ng	97
83) Chrysene	13.98	228	186758	9.237	ng	94
86) Indeno(1,2,3-cd)pyrene	16.81	276	71981m	4.552	ng	
88) Benzo(b)fluoranthene	14.98	252	192528m	11.650	ng	
89) Benzo(k)fluoranthene	15.00	252	67879m	4.115	ng	
90) Benzo(a)pyrene	15.33	252	135660	8.817	ng	# 94
92) Benzo(g,h,i)perylene	17.24	276	67406	5.267	ng	91

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

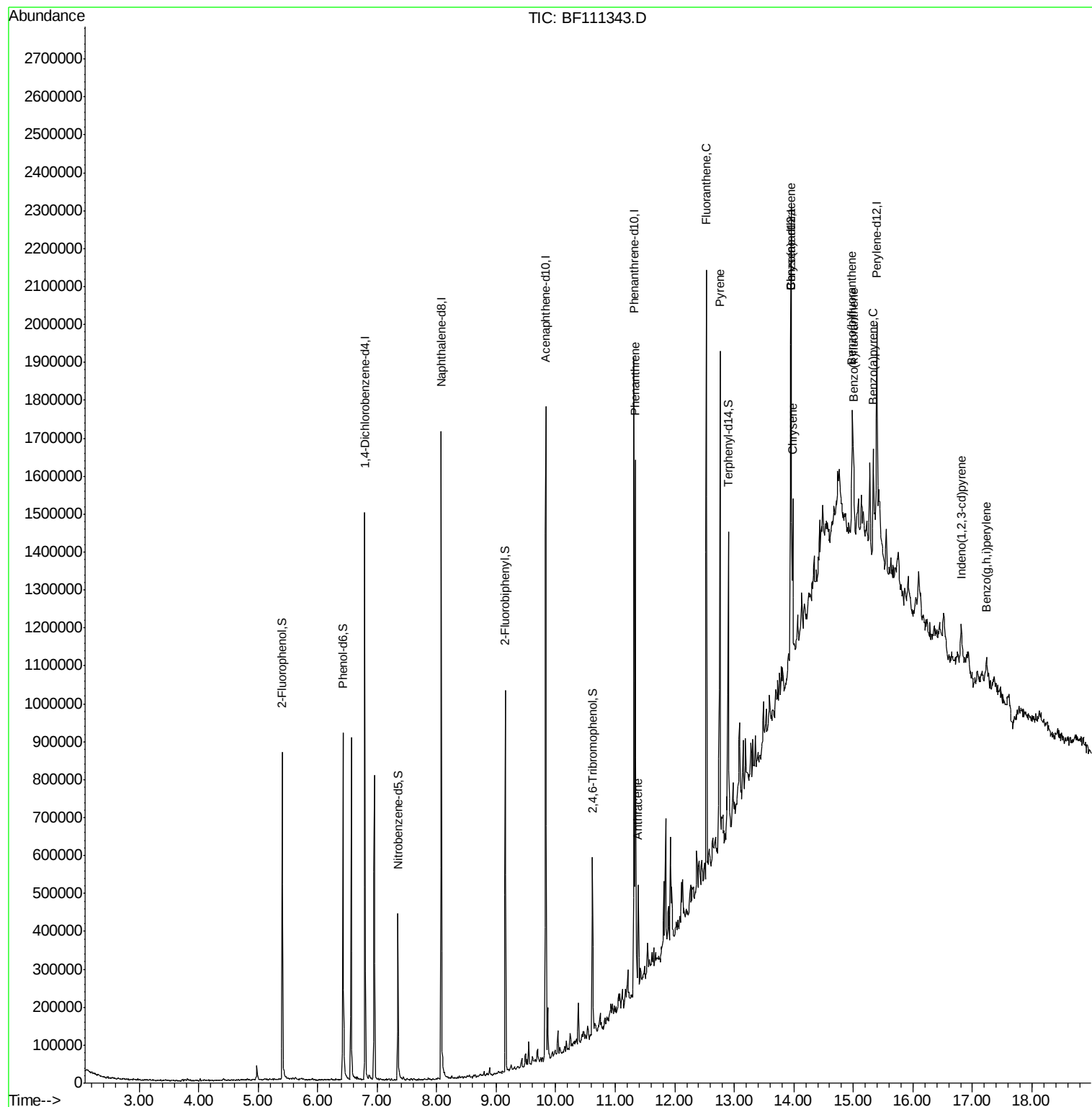
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111343.D
Acq On : 13 Dec 2018 1:13
Operator : JU/SJ
Sample : J6214-25 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

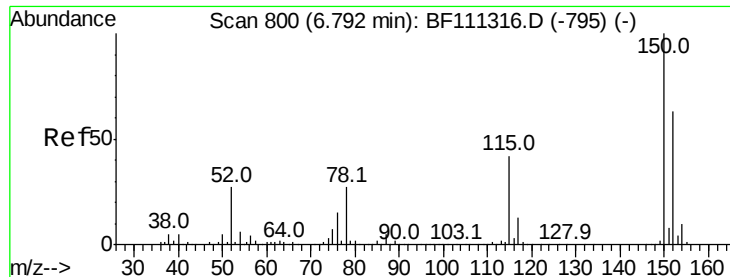
Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

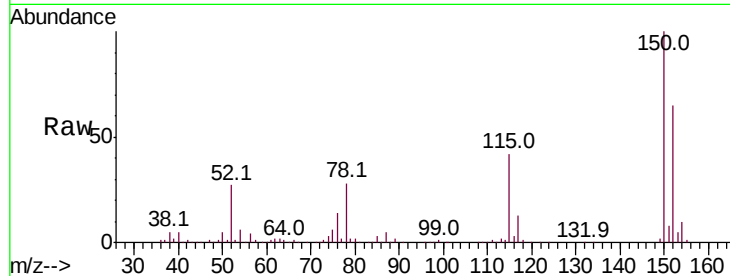
ClientSampleId :

SB-3(12.5-14.5)

Tot Ion:	152	Resp:	215144
Ion Ratio	Lower	Upper	
152	100		
150	153.3	126.6	189.8
115	64.2	50.7	76.1

Manual Integrations
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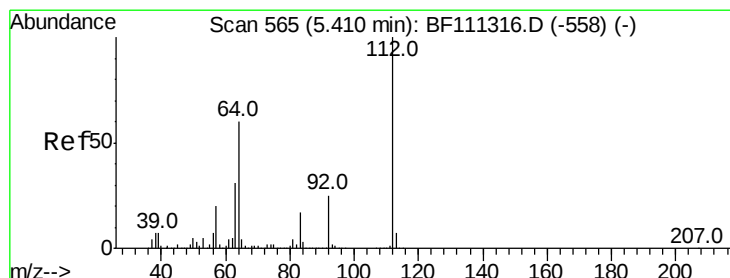
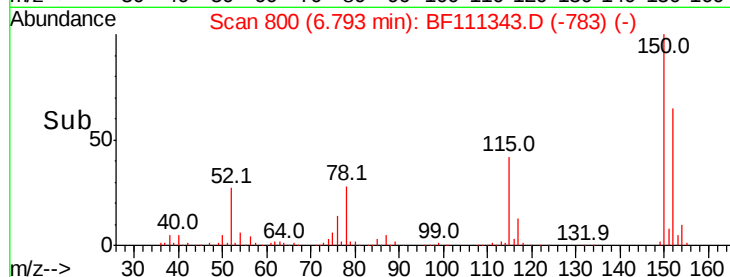
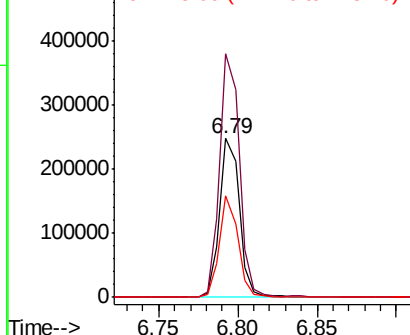


Abundance

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: 18.540 ng

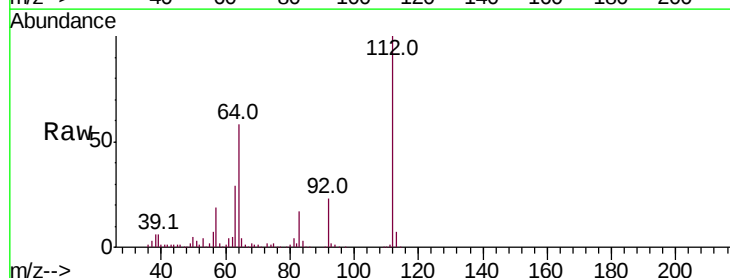
RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Tgt Ion:	112	Resp:	235883
Ion Ratio	Lower	Upper	
112	100		
64	58.1	51.8	77.6
63	29.2	26.8	40.2

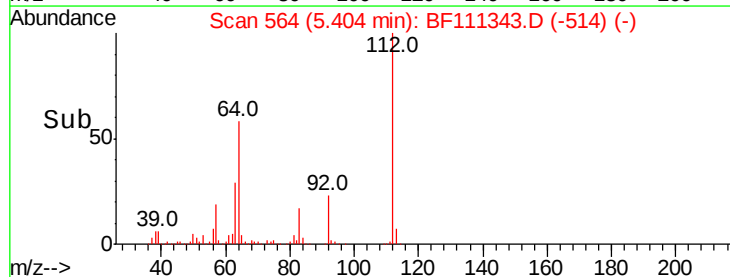
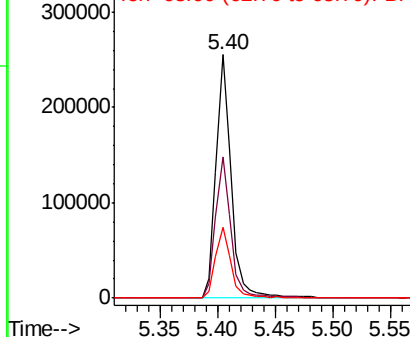


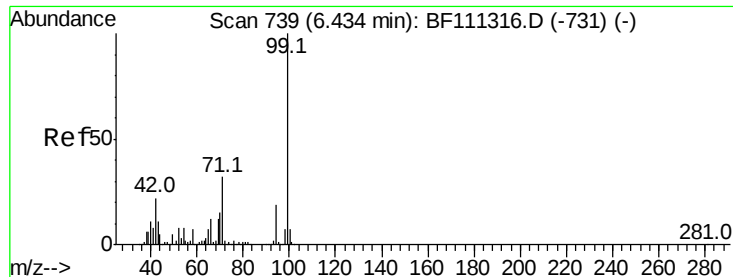
Abundance

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: 16.799 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

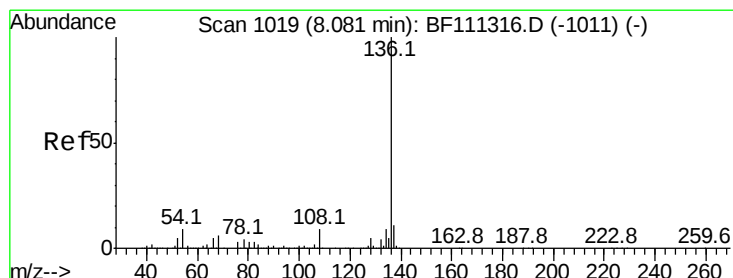
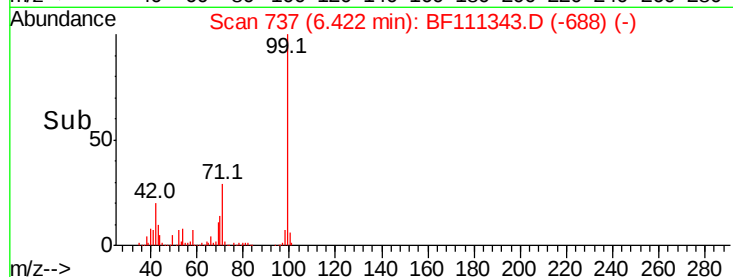
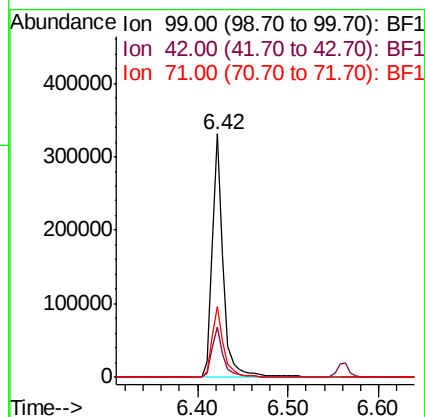
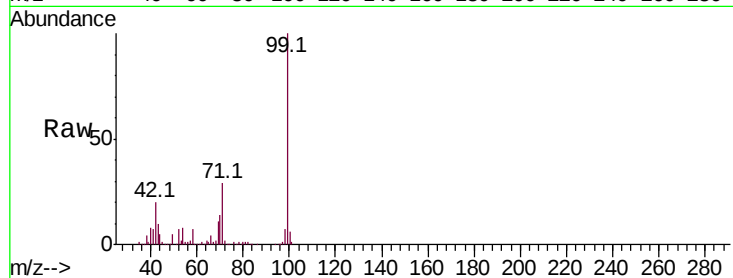
ClientSampleId :

SB-3(12.5-14.5)

Tot Ion	99	Resp	288157
Ion Ratio	Lower	Upper	
99	100		
42	20.4	17.4	26.0
71	28.9	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

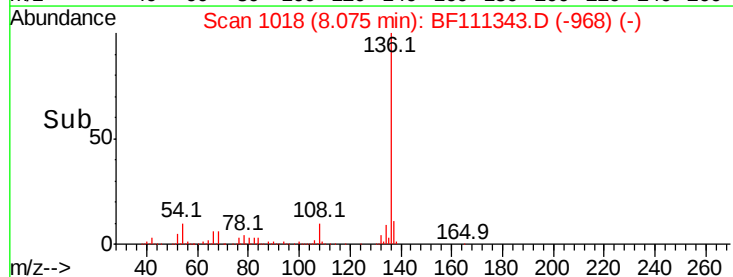
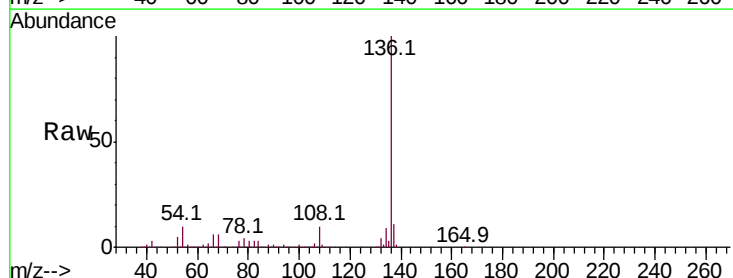
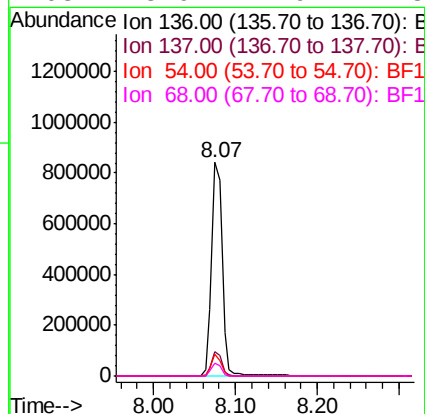
RT: 8.07 min Scan# 1018

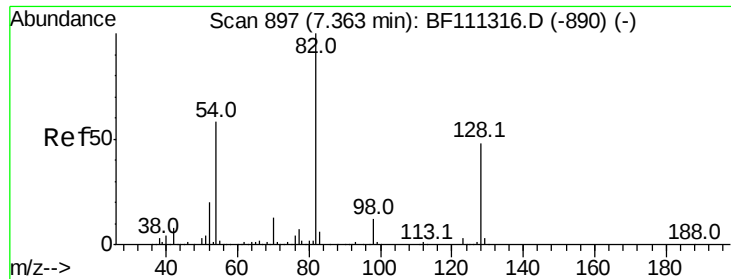
Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Tgt Ion	136	Resp	773712
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	10.0	7.7	11.5
68	5.9	4.9	7.3





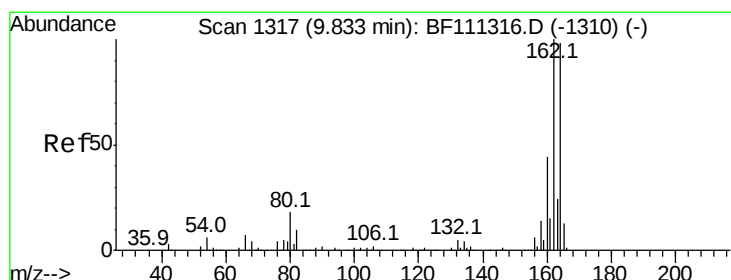
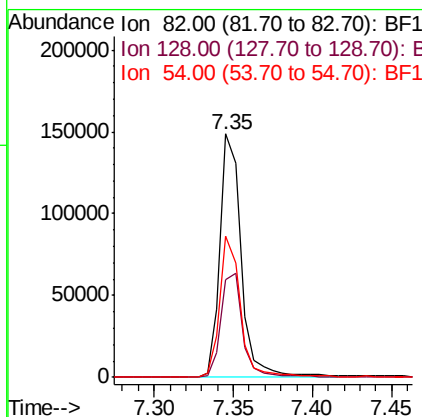
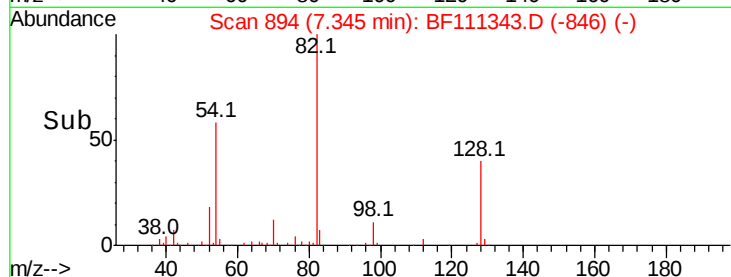
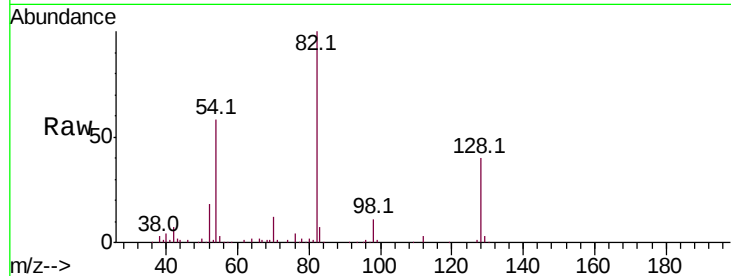
#23
Nitrobenzene-d5
Concen: 10.101 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	138656		
128	39.9	37.4	56.2	
54	57.9	47.6	71.4	

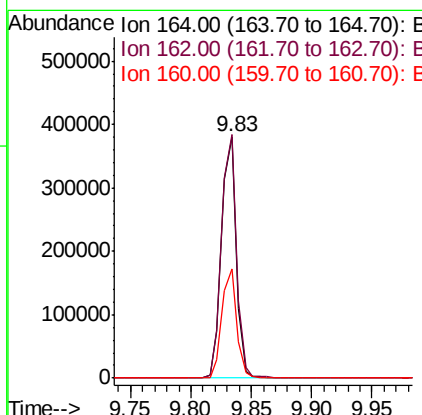
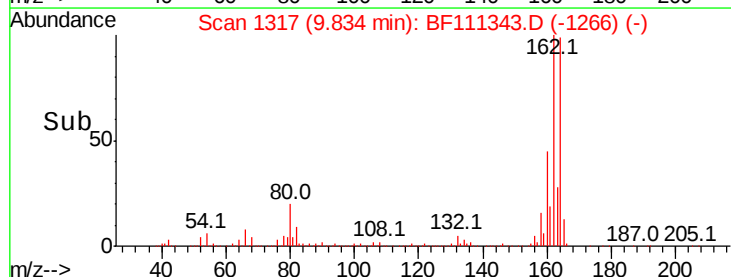
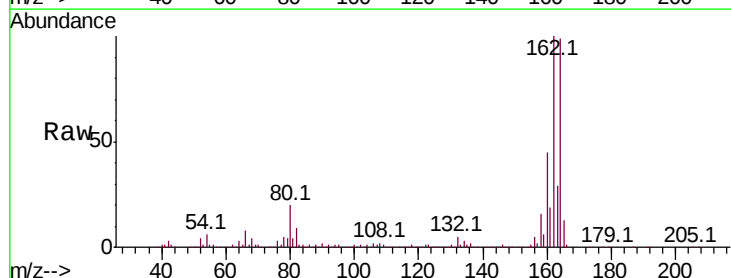
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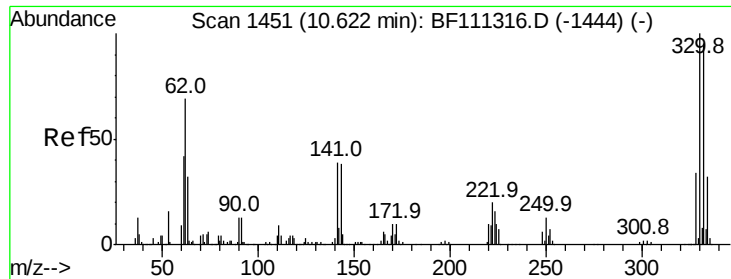
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	321347		
162	100.8	81.4	122.0	
160	45.1	35.7	53.5	





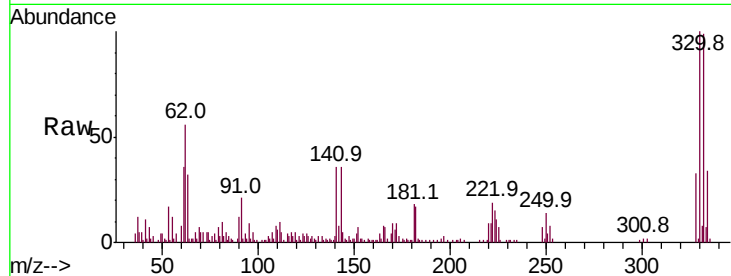
#42
 2,4,6-Tribromophenol
 Concen: 15.810 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.0	114.0	
141	37.9	31.0	46.6	

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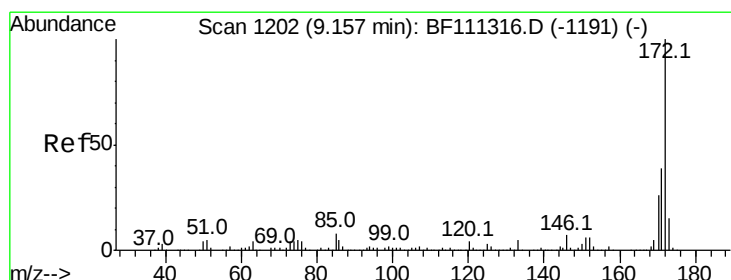
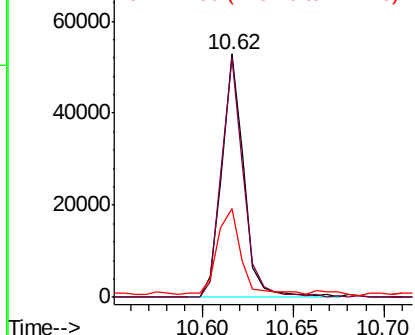
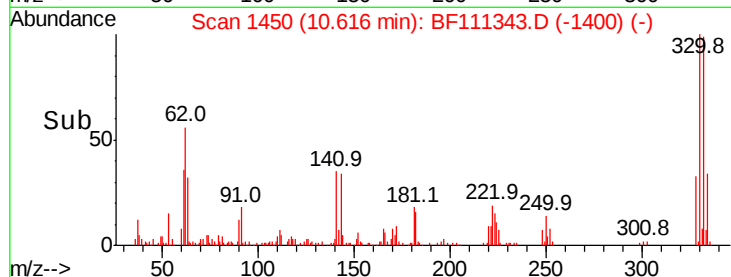


Abundance

Ion 329.80 (329.50 to 330.50): E

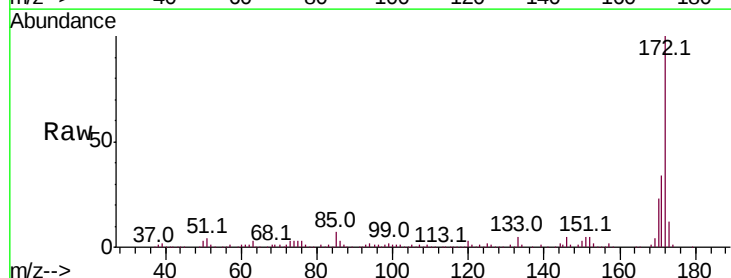
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.824 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.0	33.0	49.4	
170	22.8	22.3	33.5	

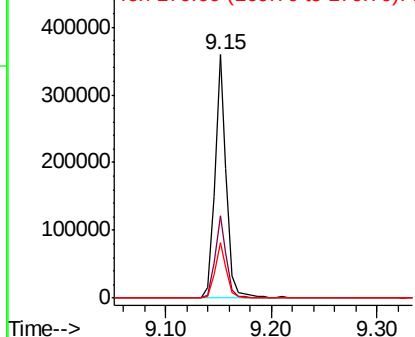
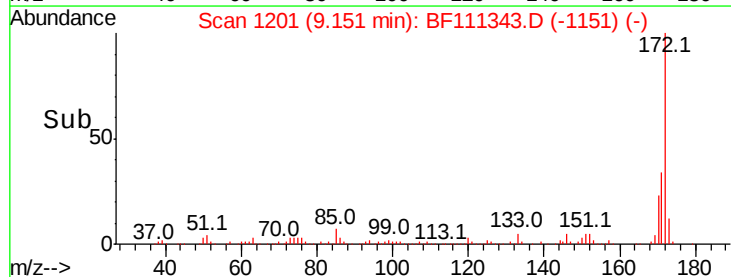


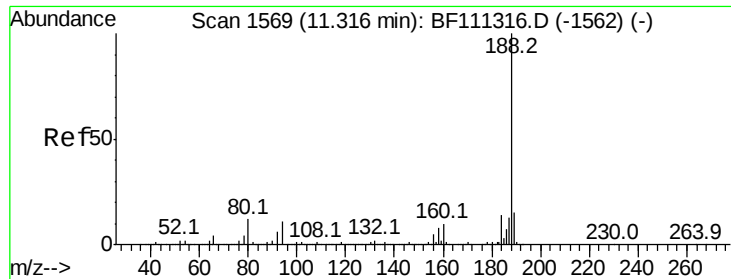
Abundance

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





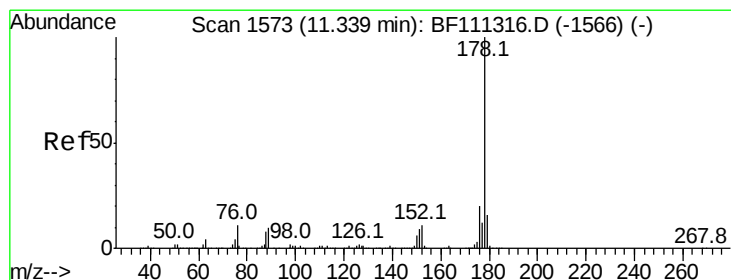
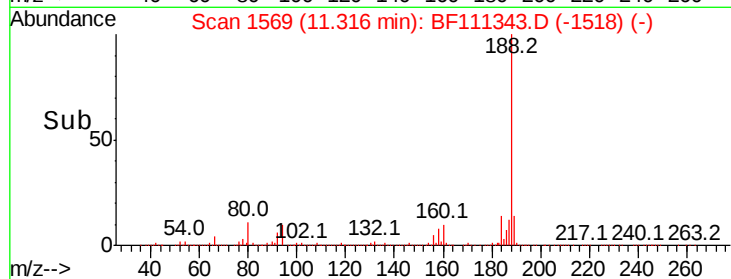
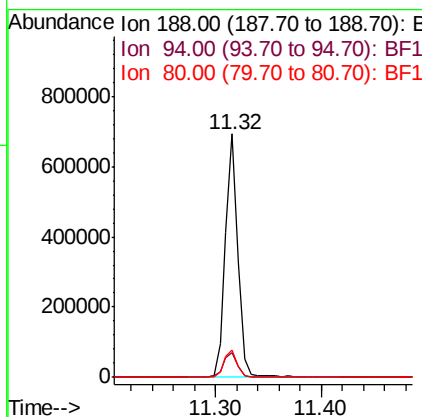
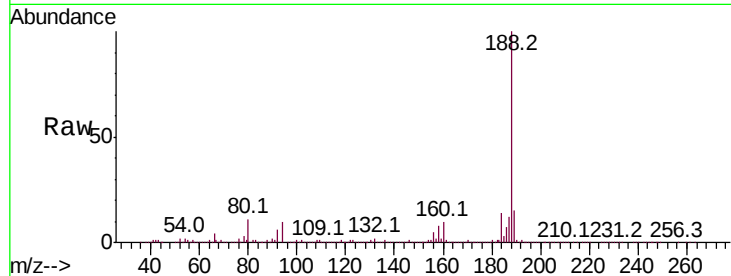
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.6	14.4
80	11.1	9.8	14.6

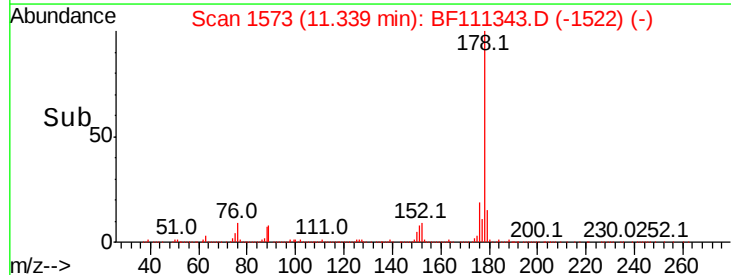
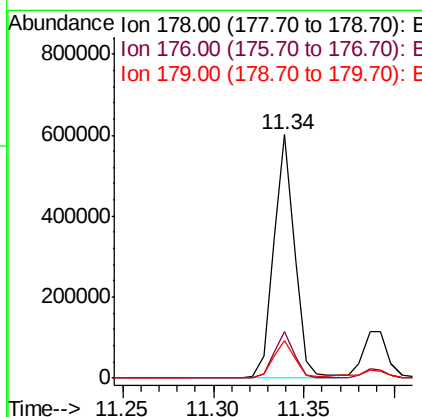
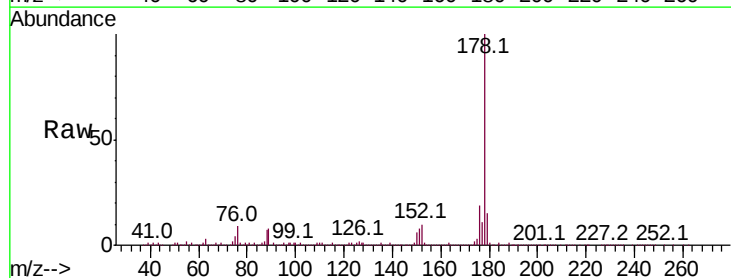
Manual Integrations
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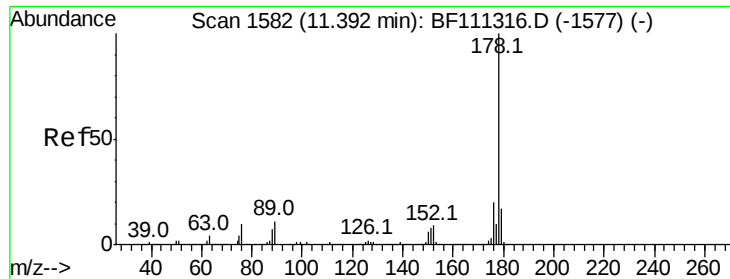
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#71
Phenanthrene
Concen: 15.980 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	18.1	27.1
179	15.5	14.0	21.0





#72

Anthracene

Concen: 3.433 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

ClientSampleId :

SB-3(12.5-14.5)

Tot Ion:178 Resp: 103944

Ion Ratio Lower Upper

178 100

176 18.7 17.2 25.8

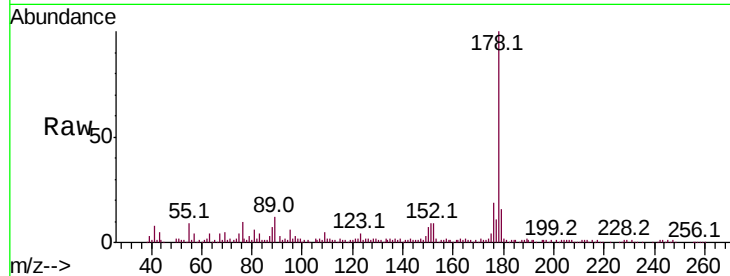
179 15.9 13.8 20.8

Manual Integrations

APPROVED

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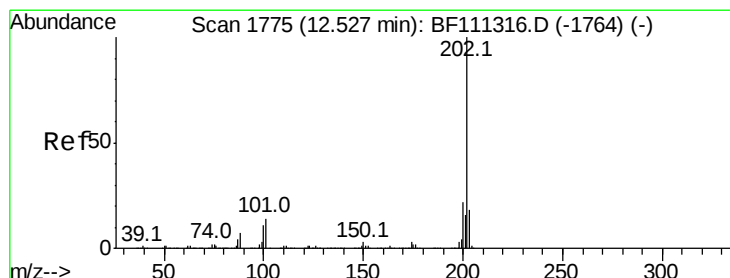
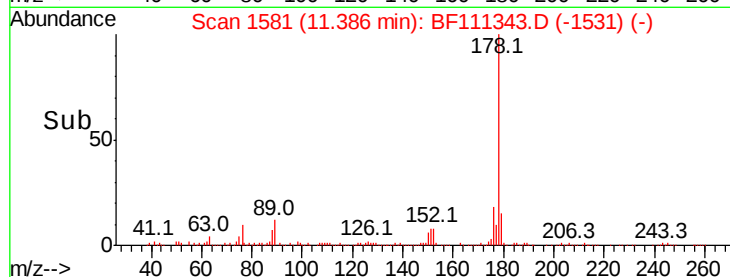
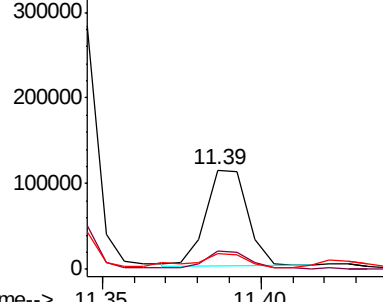
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 20.516 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

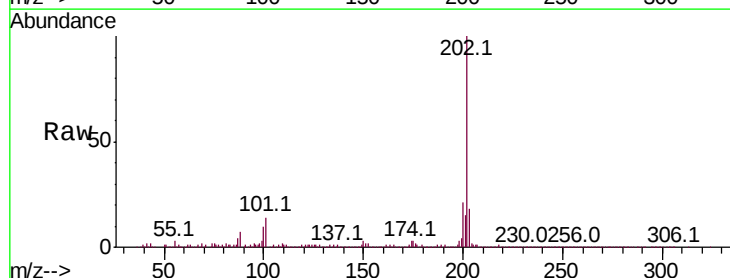
Tgt Ion:202 Resp: 595467

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.8

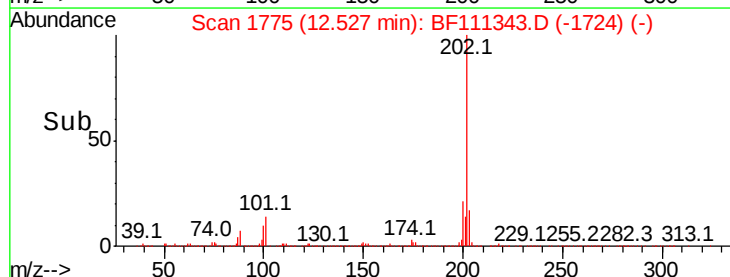
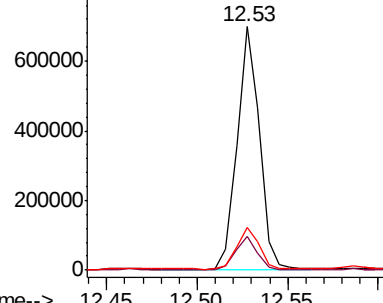
203 17.6 0.0 38.6

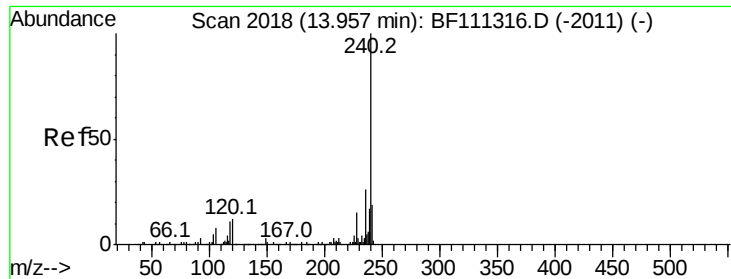


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





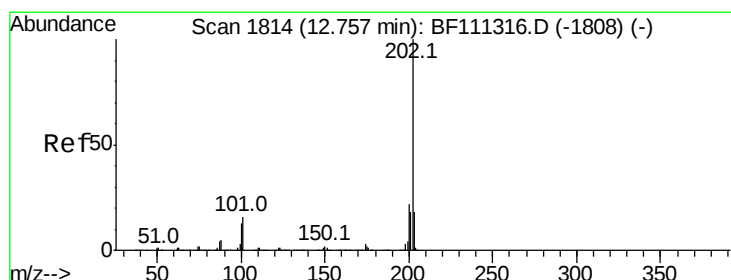
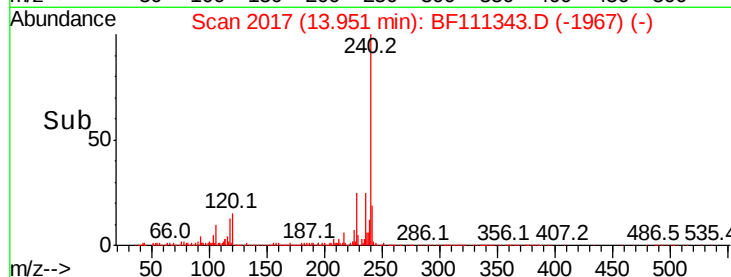
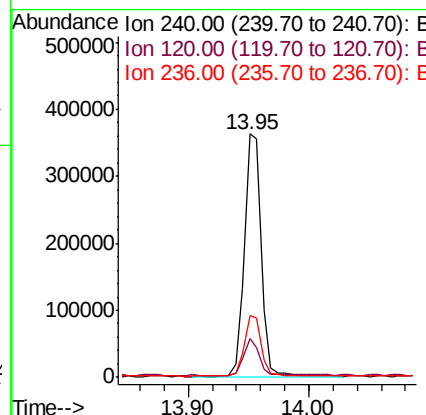
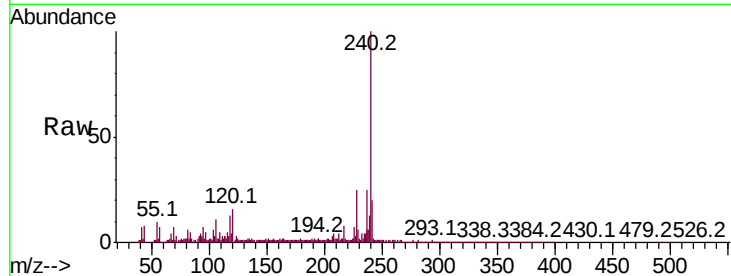
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampled :
SB-3(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.8	12.2	18.2
236	25.2	20.2	30.2

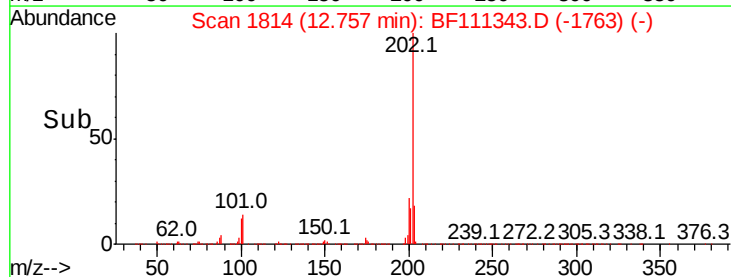
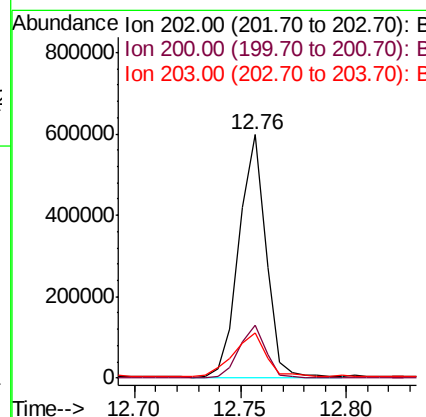
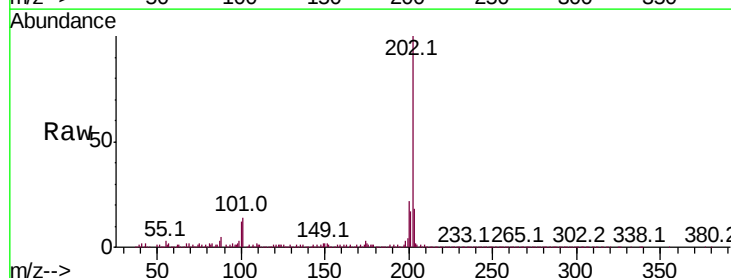
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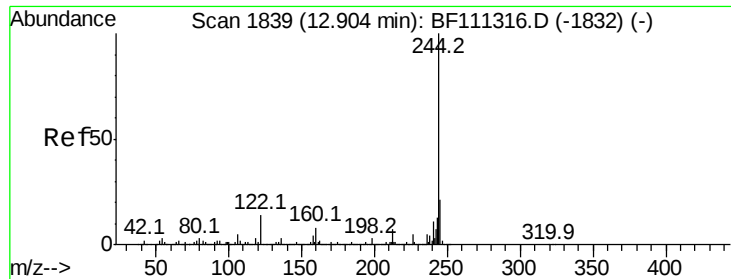
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#78
Pyrene
Concen: 19.320 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.4
203	18.5	15.2	22.8





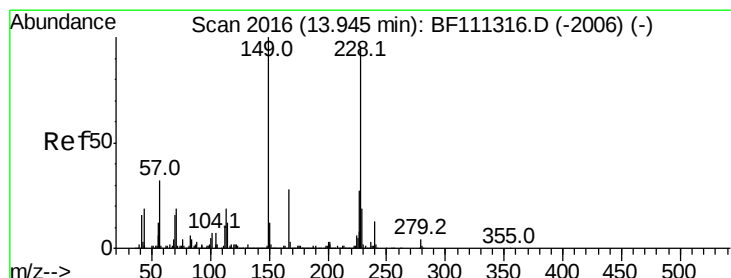
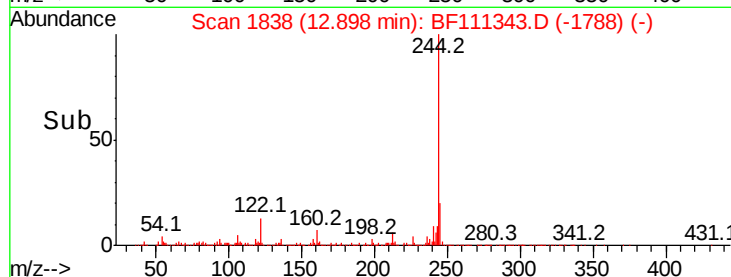
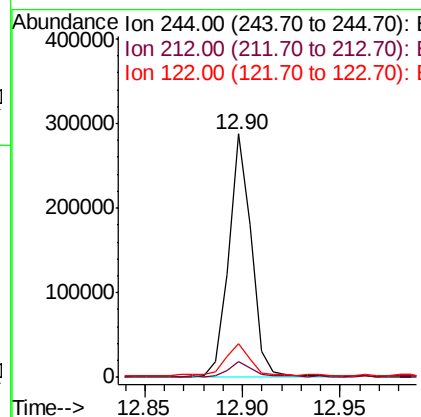
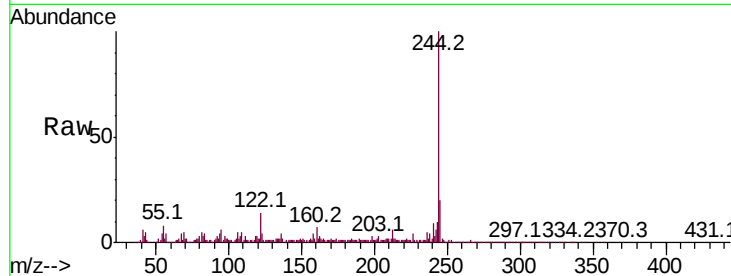
#79
 Terphenyl-d14
 Concen: 14.290 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	14.0	13.1	19.7

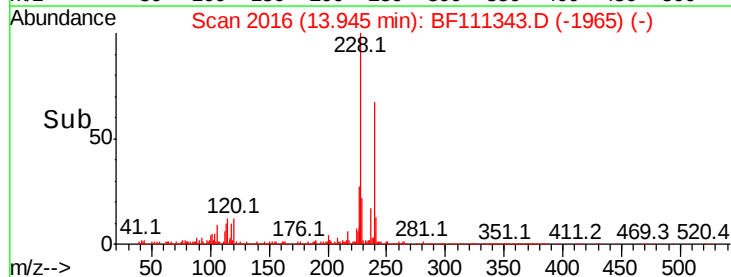
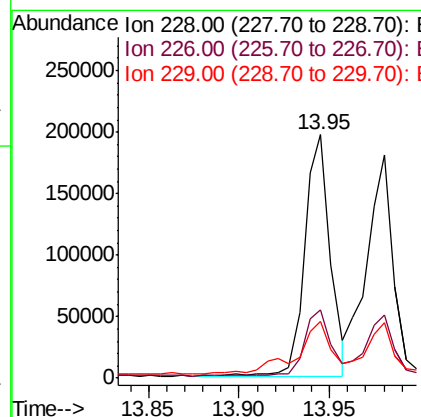
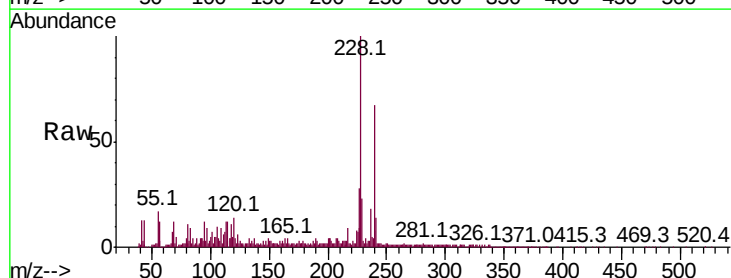
Manual Integrations
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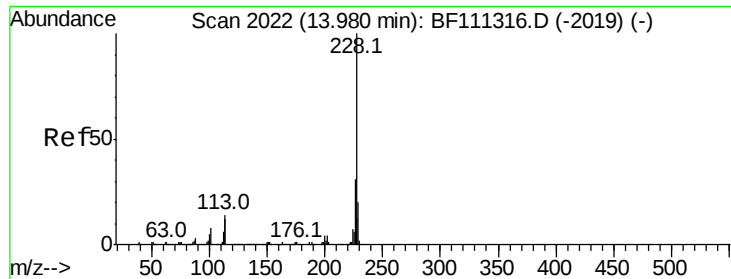
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#81
 Benzo(a)anthracene
 Concen: 9.762 ng
 RT: 13.95 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	34.0
229	23.1	16.3	24.5





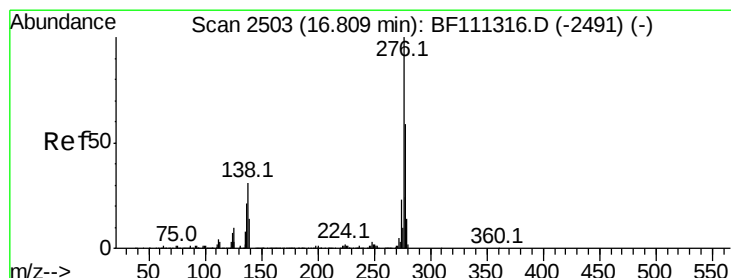
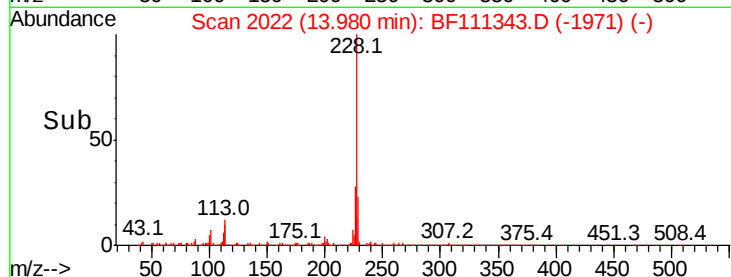
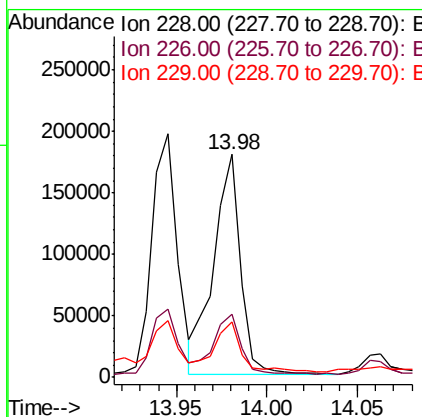
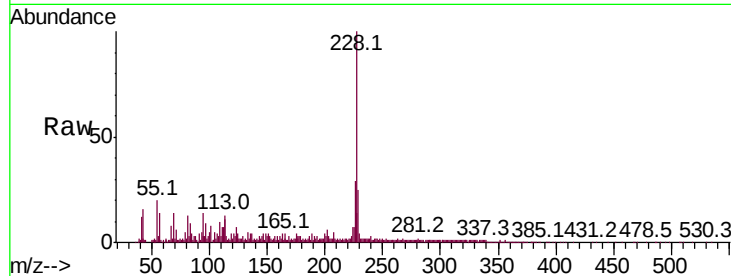
#83
Chrysene
Concen: 9.237 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.3	37.9
229	24.8	17.2	25.8

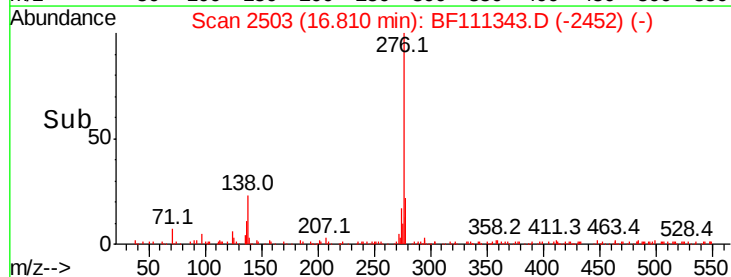
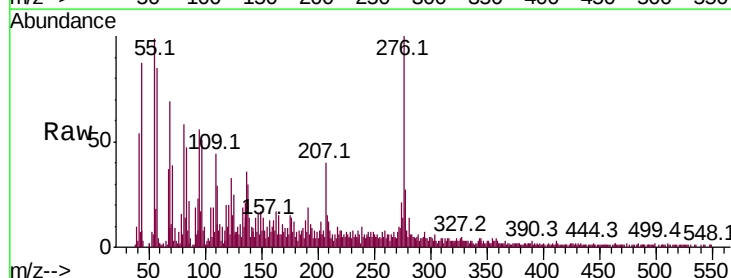
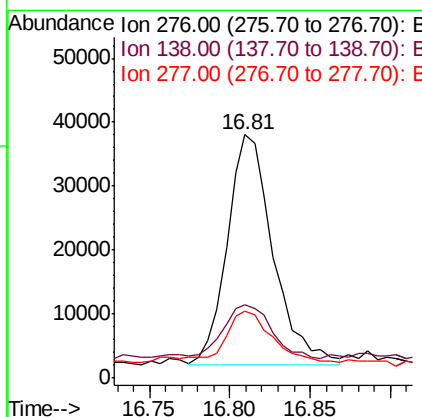
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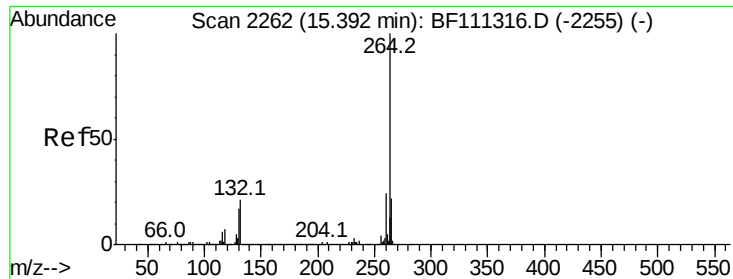
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.552 ng m
RT: 16.81 min Scan# 2503
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	1.7	27.8	41.6#
277	1.2	20.1	30.1#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

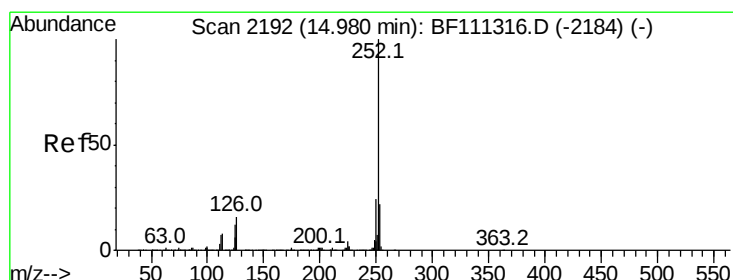
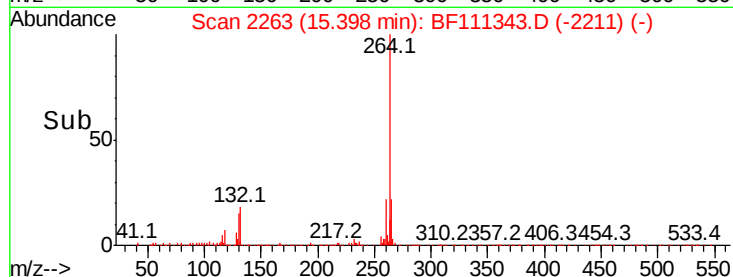
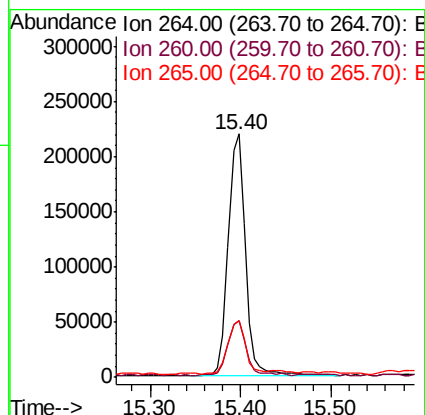
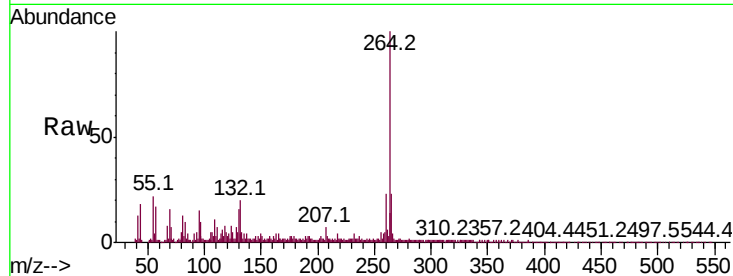
ClientSampleId :

SB-3(12.5-14.5)

Tot Ion:	264	Resp:	290615
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.3	27.5
265	23.2	17.7	26.5

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 11.650 ng m

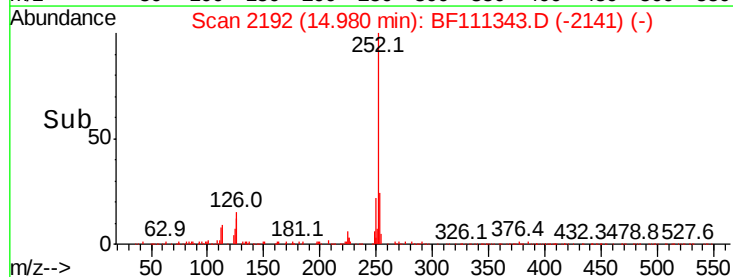
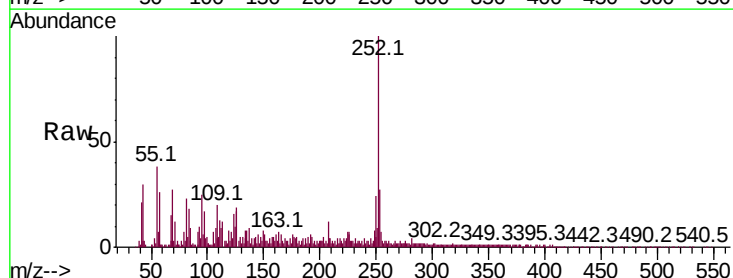
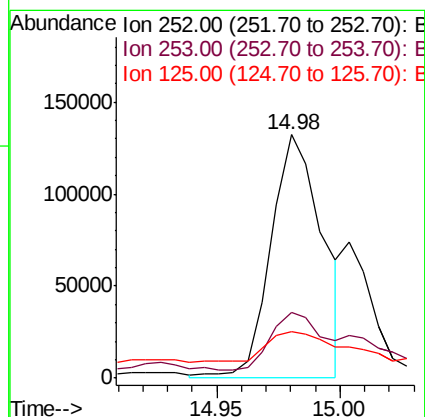
RT: 14.98 min Scan# 2192

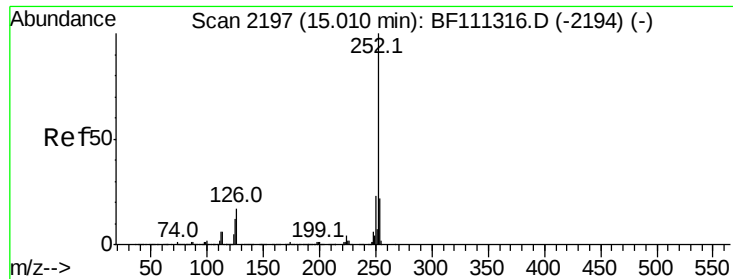
Delta R.T. 0.00 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Tgt Ion:	252	Resp:	192528
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.2	27.2
125	19.3	10.4	15.6#





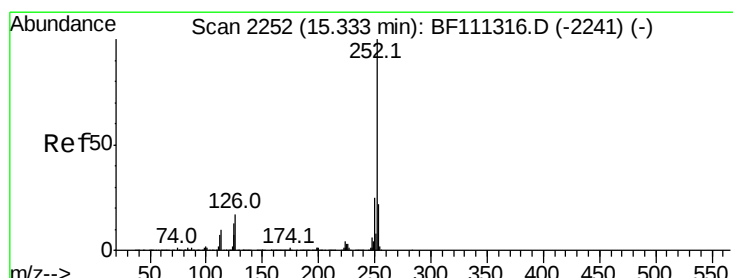
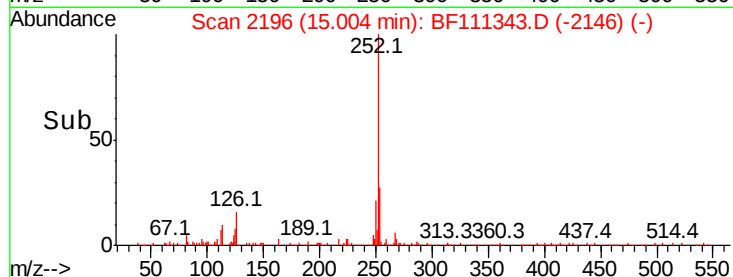
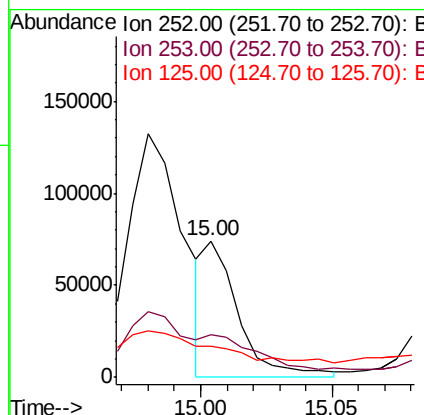
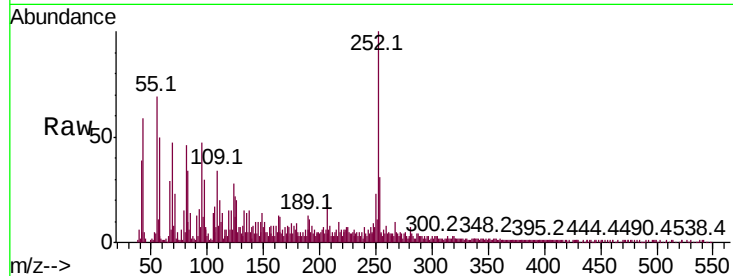
#89
Benzo(k)fluoranthene
Concen: 4.115 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.0	18.1	27.1#
125	22.4	9.8	14.8#

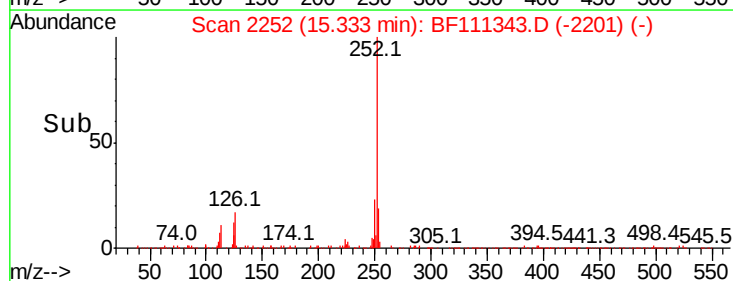
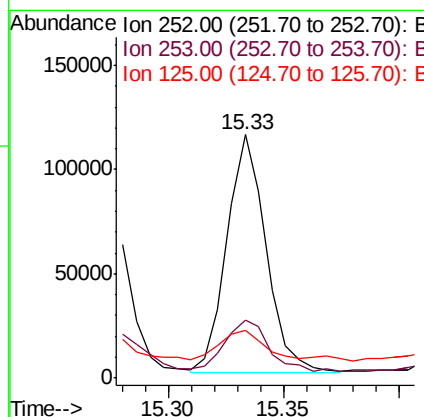
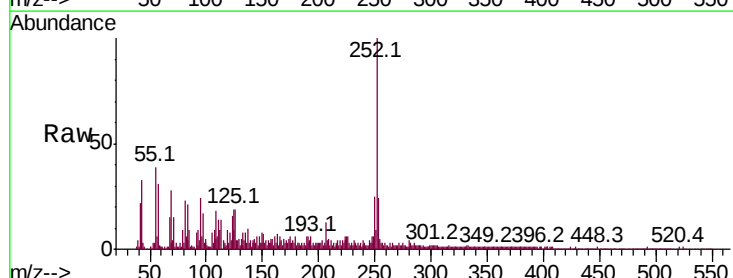
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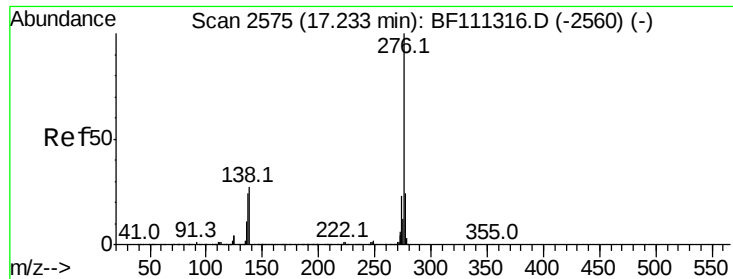
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#90
Benzo(a)pyrene
Concen: 8.817 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	19.5	12.3	18.5#





#92
 Benzo(a,h,i)perylene
 Concen: 5.267 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. 0.01 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.2	28.8
138	35.7	24.9	37.3

Manual Integrations
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