

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111424.D
 Acq On : 14 Dec 2018 17:44
 Operator : JU/SJ
 Sample : J6319-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 068_DUP-2

Manual Integrations
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Quant Time: Dec 14 18:13:22 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	6.79	152	173377	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	695072	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	307316	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	436803	20.00	ng	0.00
76) Chrysene-d12	13.95	240	330573	20.00	ng	0.00
87) Perylene-d12	15.39	264	271298	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	920954	88.39	ng	0.00
7) Phenol-d6	6.44	99	1179251	85.09	ng	0.00
23) Nitrobenzene-d5	7.35	82	717443	61.47	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	197395	71.70	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1181237	59.37	ng	0.00
79) Terphenyl-d14	12.90	244	708585	50.33	ng	0.00
Target Compounds						
10) Phenol	6.45	94	84145	5.450	ng	92
50) Dimethylphthalate	9.55	163	110251	4.981	ng	99
71) Phenanthrene	11.33	178	384125	17.066	ng	94
72) Anthracene	11.39	178	75876	3.296	ng	94
75) Fluoranthene	12.53	202	578559	26.275	ng	96
78) Pyrene	12.75	202	645873	27.712	ng	96
81) Benzo(a)anthracene	13.94	228	313357	17.433	ng	97
83) Chrysene	13.97	228	297303	15.701	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	116823	8.548	ng	92
88) Benzo(b)fluoranthene	14.98	252	350952m	22.188	ng	
89) Benzo(k)fluoranthene	15.00	252	85514m	5.658	ng	
90) Benzo(a)pyrene	15.33	252	242049	16.970	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	29247	2.599	ng	# 88
92) Benzo(a,h,i)perylene	17.23	276	116640	10.561	ng	93

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

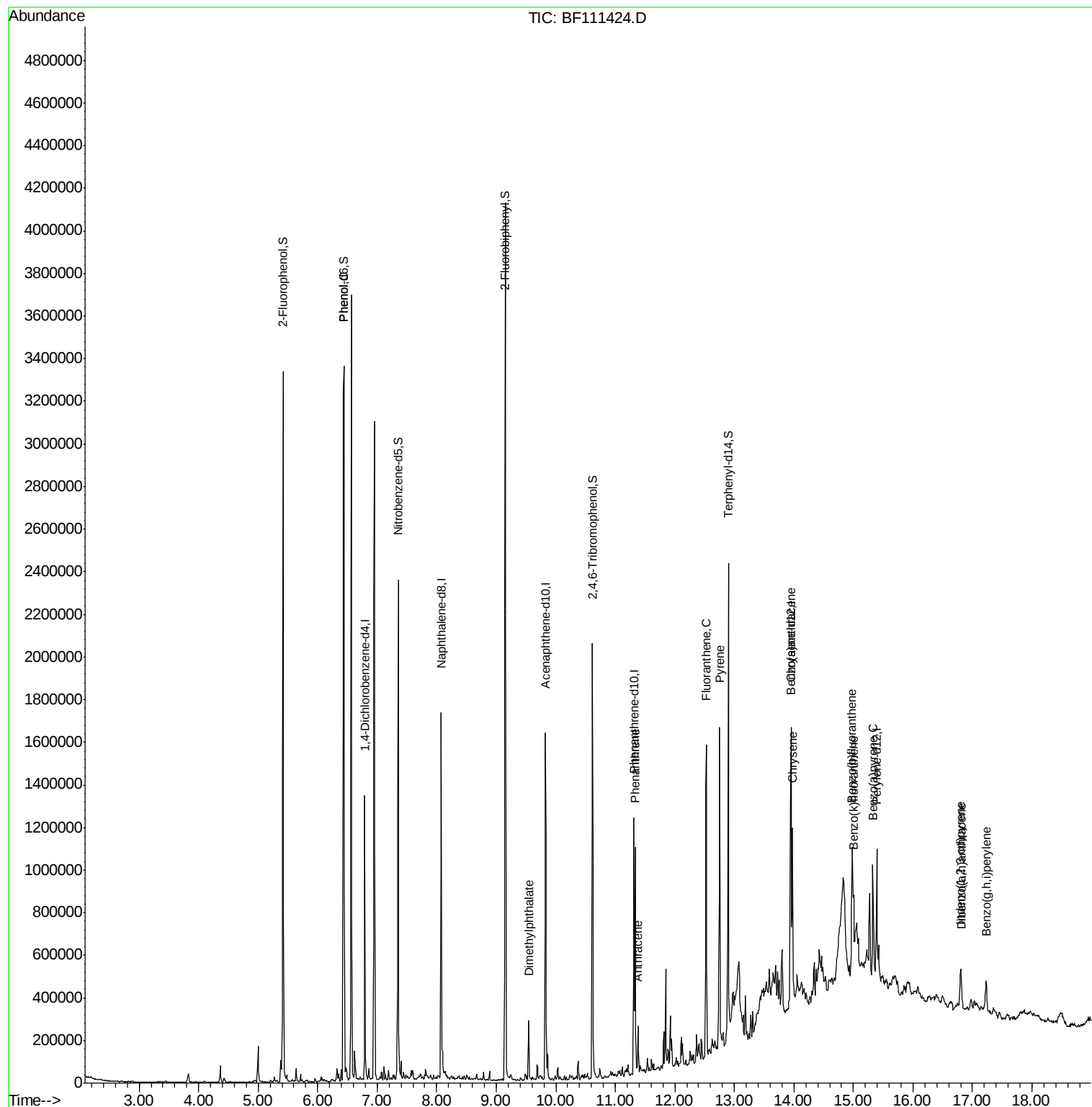
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111424.D
Acq On : 14 Dec 2018 17:44
Operator : JU/SJ
Sample : J6319-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

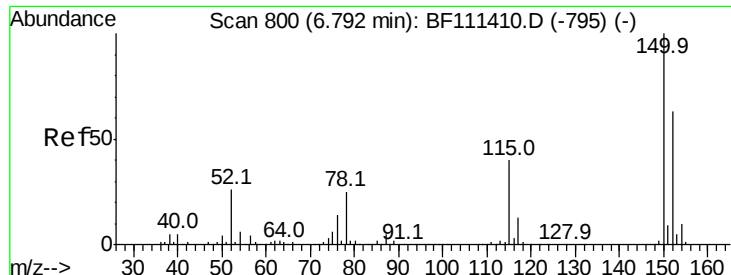
Instrument :
BNA_F
ClientSampleId :
068_DUP-2

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Quant Time: Dec 14 18:13:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

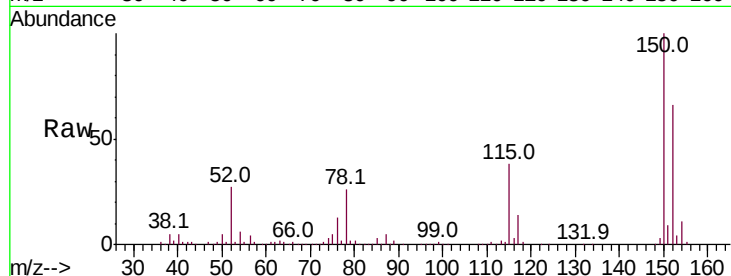
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	126.6	189.8
115	58.3	50.7	76.1

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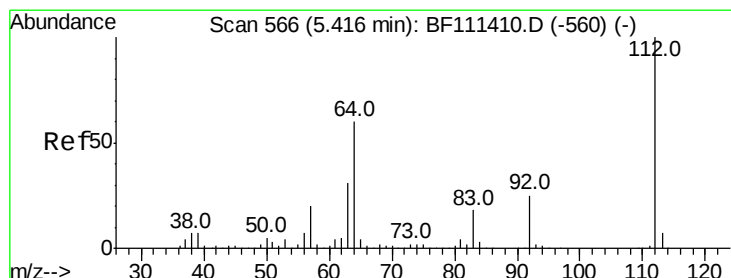
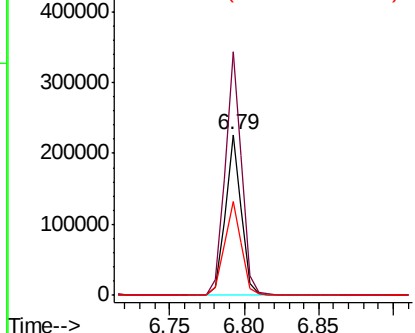
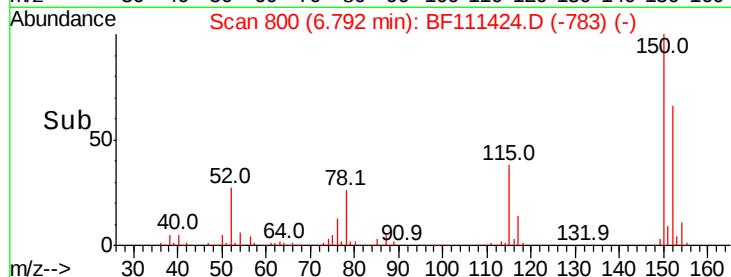


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

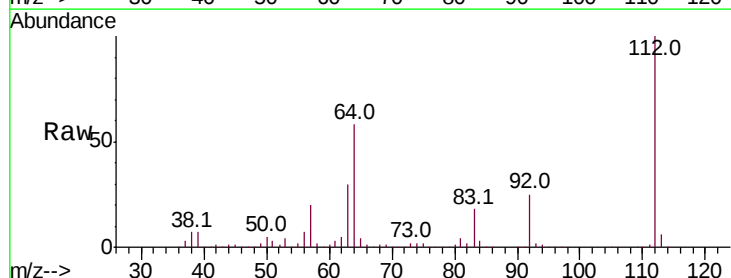
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.392 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	51.8	77.6
63	30.0	26.8	40.2

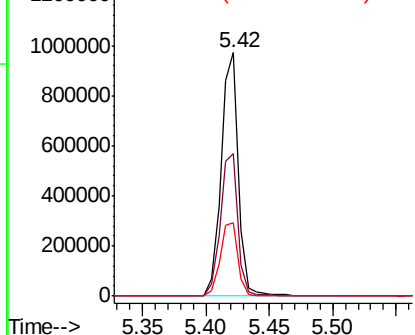
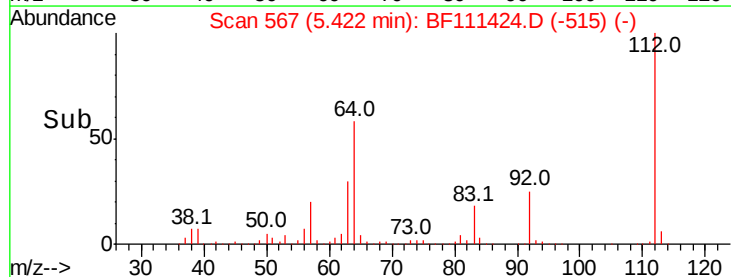


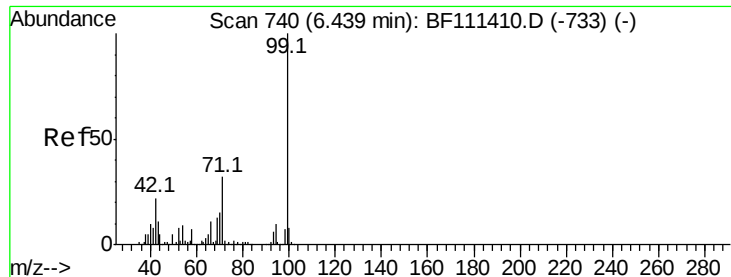
Abundance

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: 85.089 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampleId :

068_DUP-2

Tot Ion: 99 Resp: 1179251

Ion Ratio Lower Upper

99 100

42 21.1 17.4 26.0

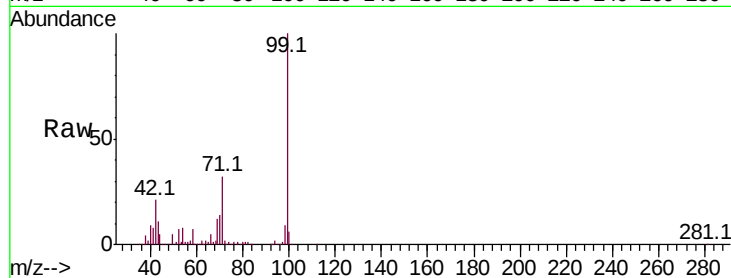
71 32.2 26.1 39.1

Manual Integrations

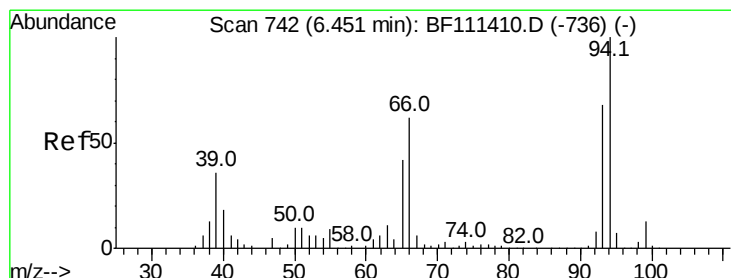
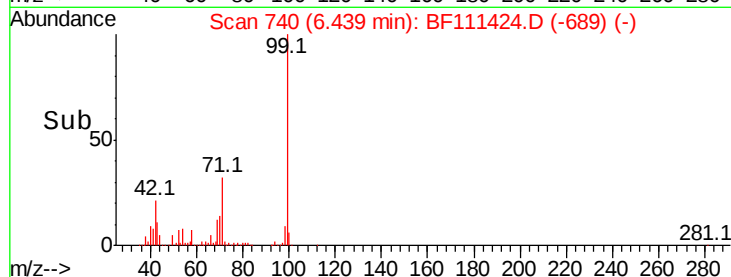
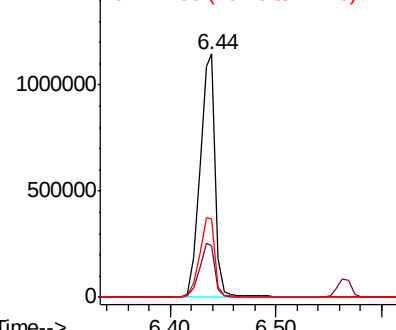
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.450 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

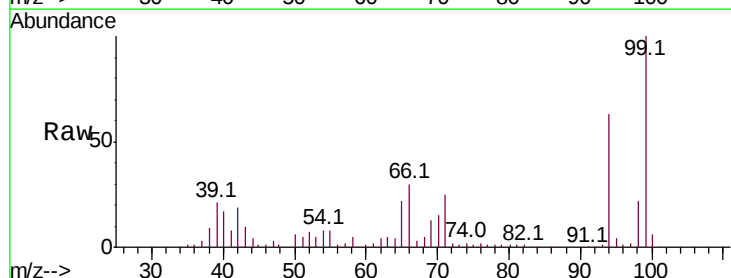
Tgt Ion: 94 Resp: 84145

Ion Ratio Lower Upper

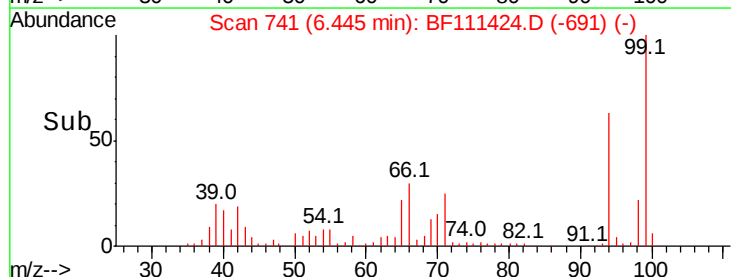
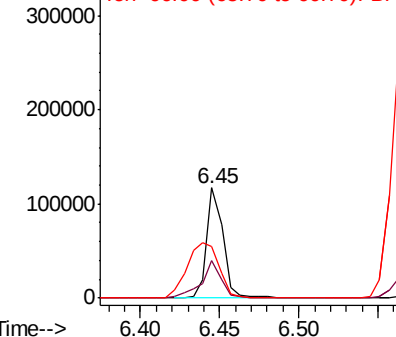
94 100

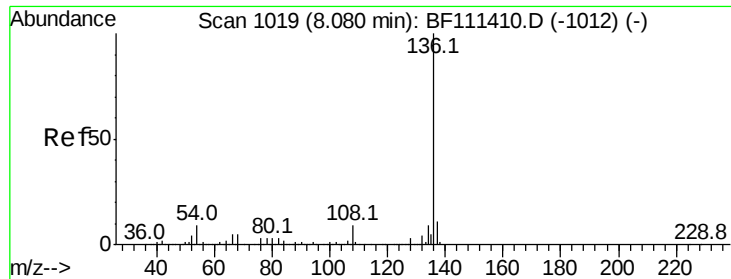
65 34.2 11.7 51.7

66 47.4 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





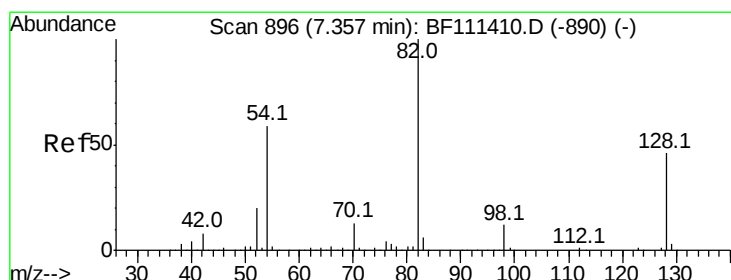
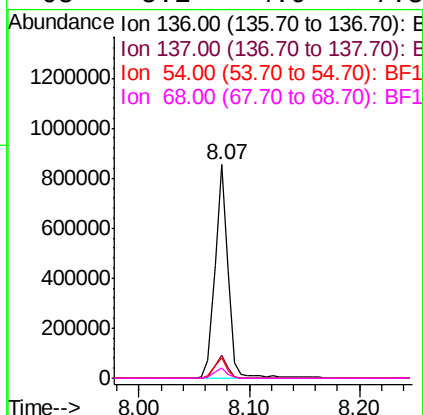
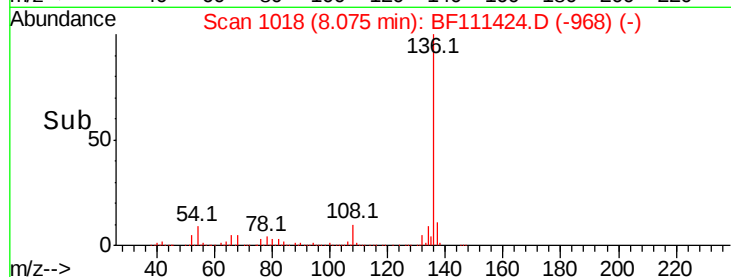
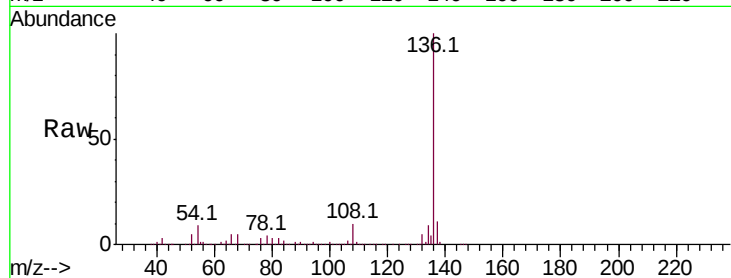
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	695072		
137	10.5	9.1	13.7	
54	9.4	7.7	11.5	
68	5.1	4.9	7.3	

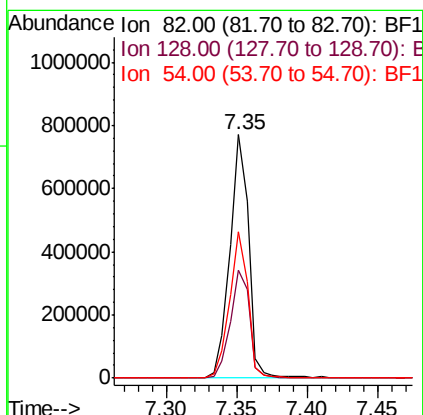
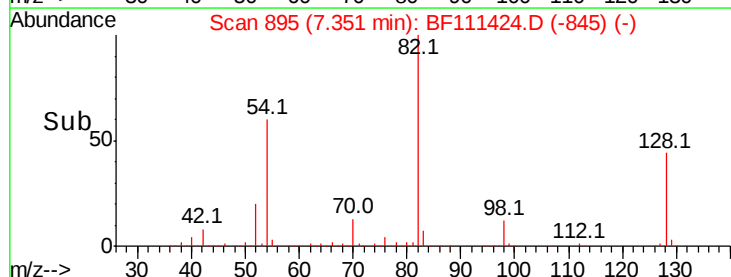
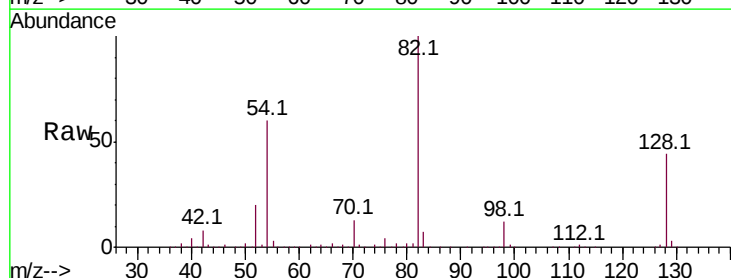
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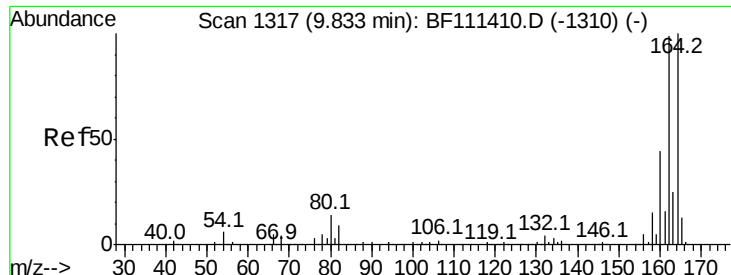
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#23
Nitrobenzene-d5
Concen: 61.465 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	717443		
128	44.4	37.4	56.2	
54	60.2	47.6	71.4	





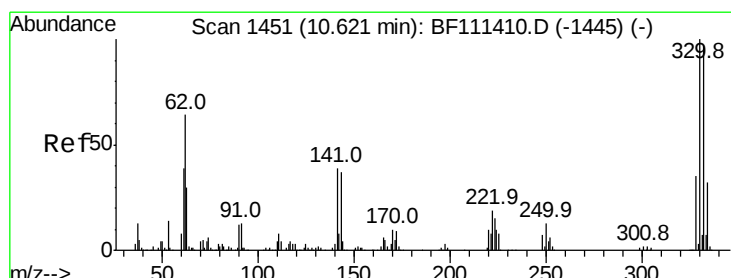
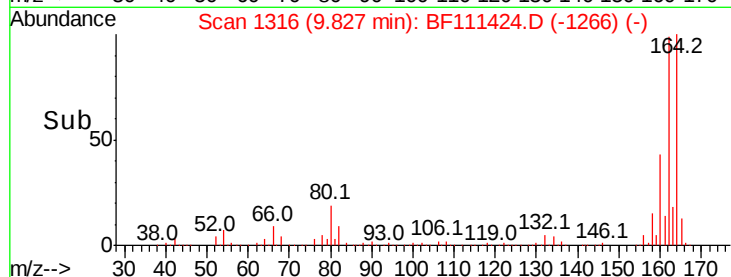
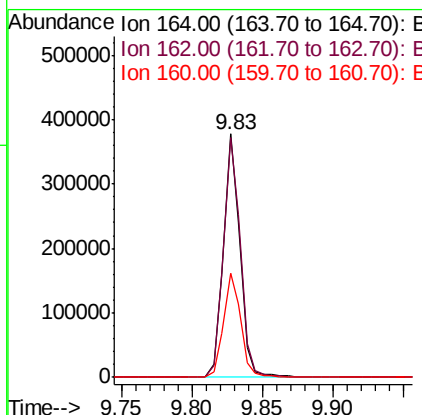
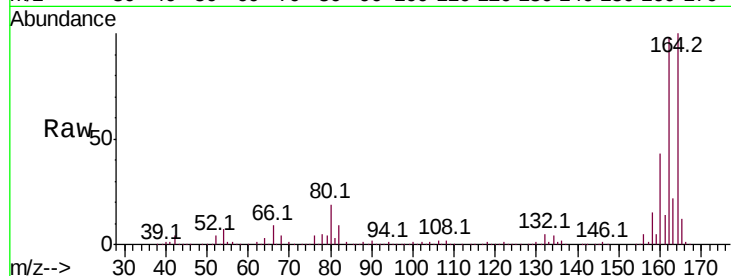
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampled :
068_DUP-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.3	81.4	122.0
160	42.8	35.7	53.5

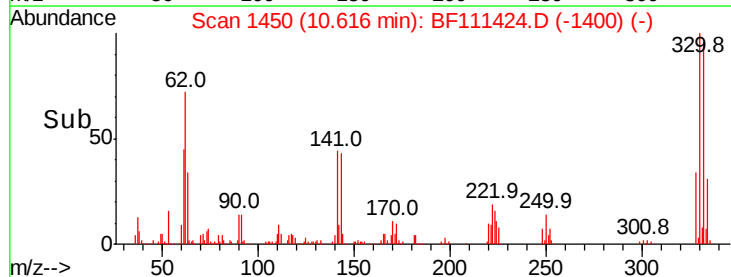
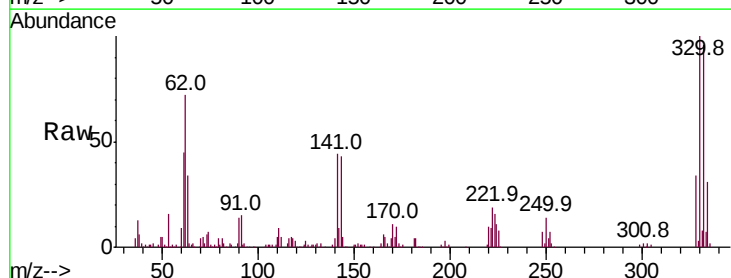
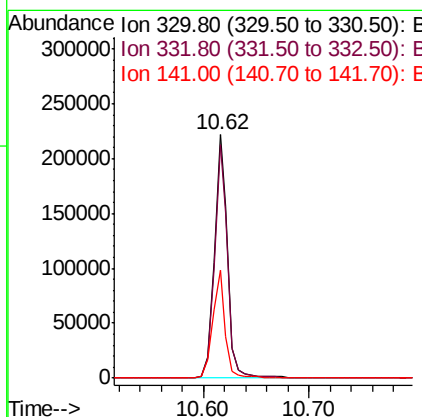
Manual Integrations
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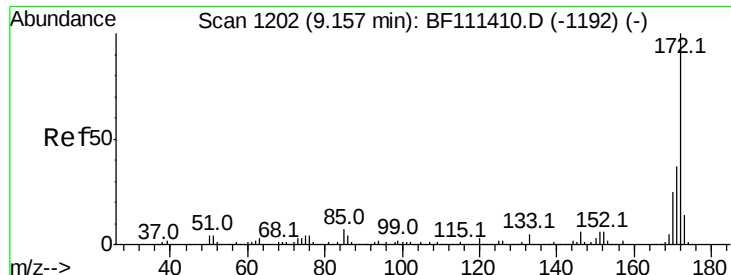
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#42
2,4,6-Tribromophenol
Concen: 71.704 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.0	114.0
141	41.7	31.0	46.6





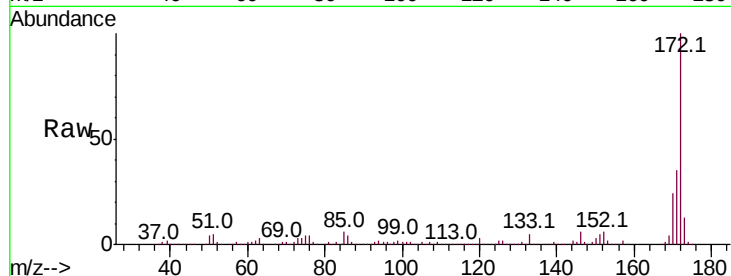
#45
2-Fluorobiphenyl
Concen: 59.372 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	33.0	49.4
170	23.7	22.3	33.5

Manual Integrations
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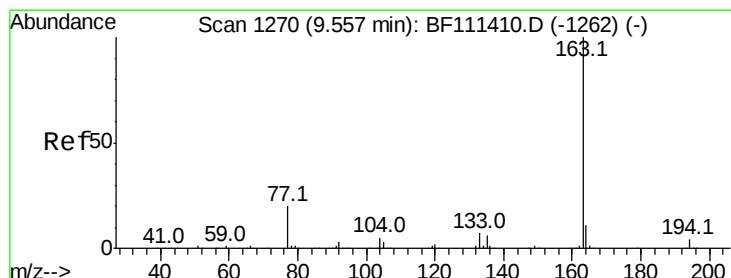
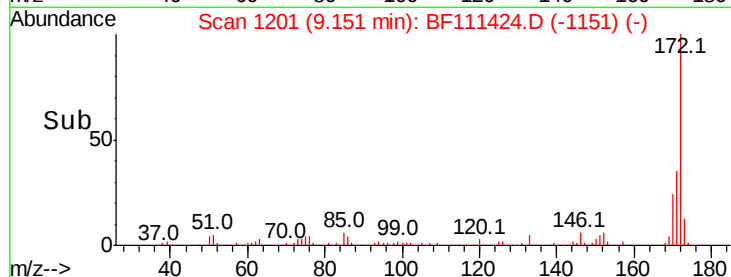
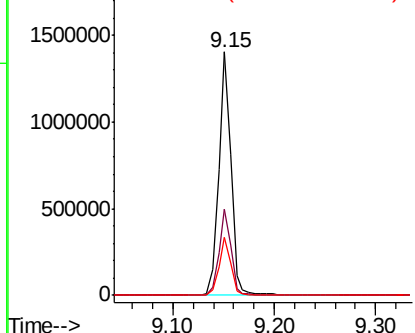


Abundance

Ion 172.00 (171.70 to 172.70): E

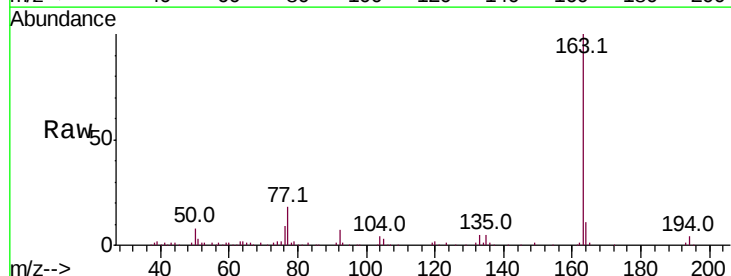
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.981 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.5	8.9	13.3

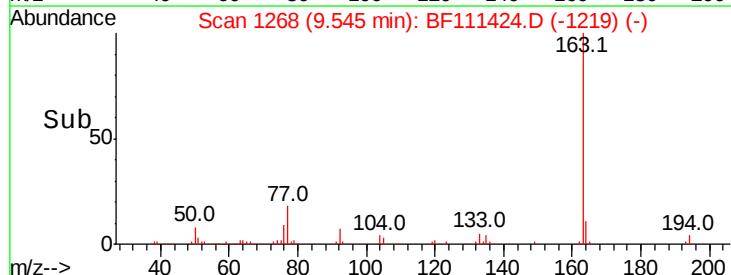
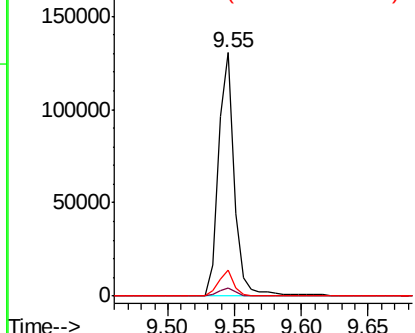


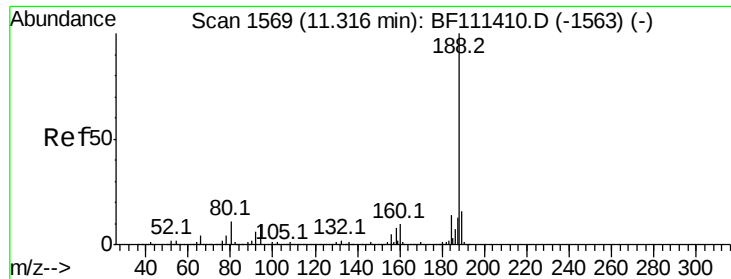
Abundance

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





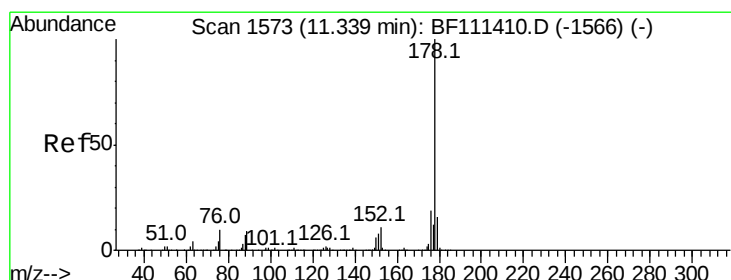
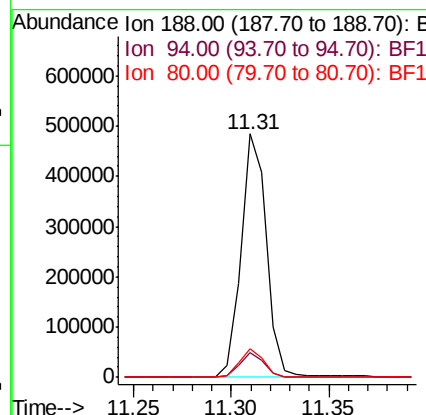
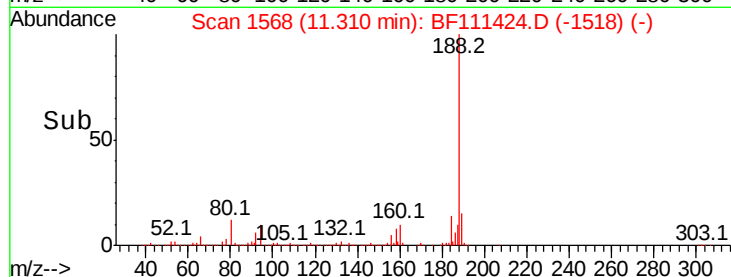
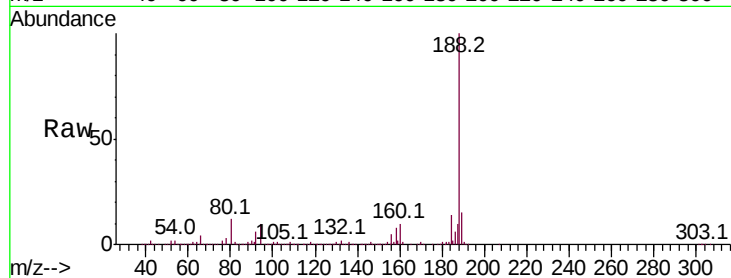
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.4	9.6	14.4	
80	11.8	9.8	14.6	

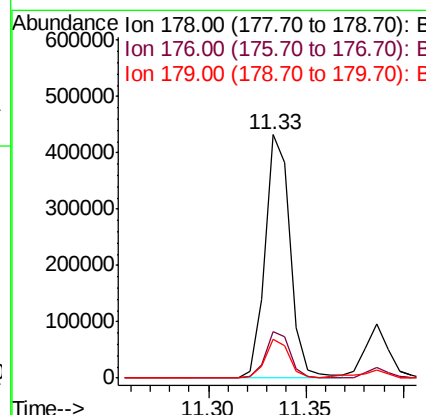
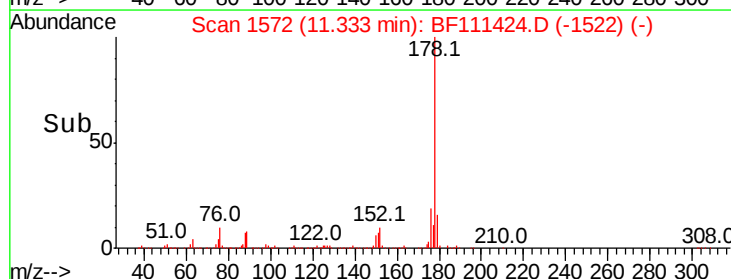
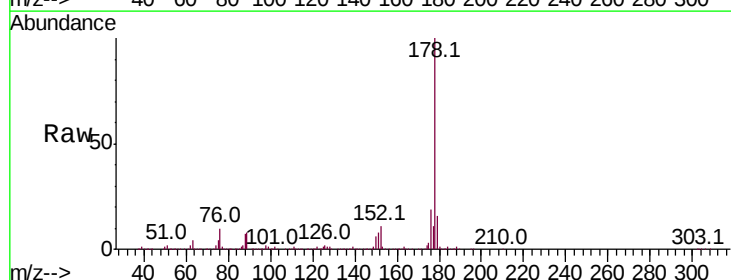
Manual Integrations
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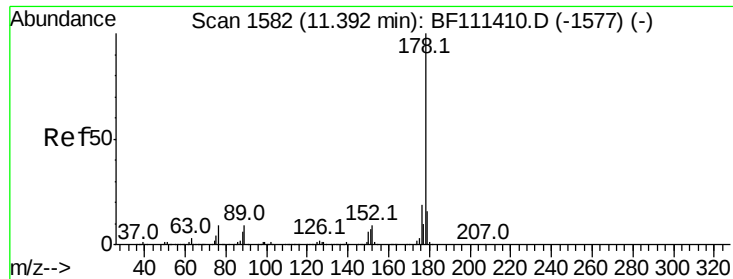
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#71
Phenanthrene
Concen: 17.066 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.1	18.1	27.1	
179	15.7	14.0	21.0	





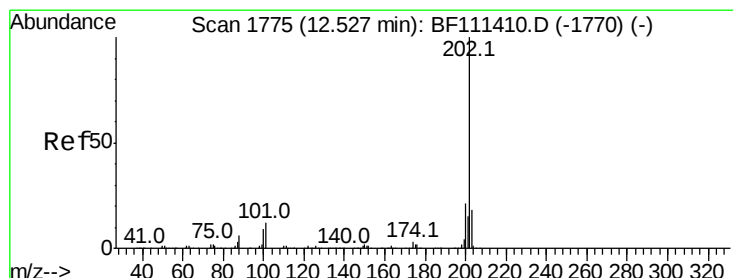
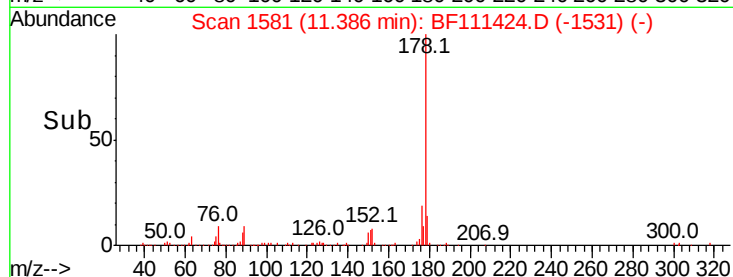
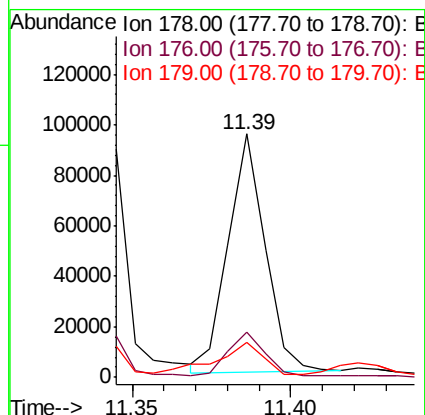
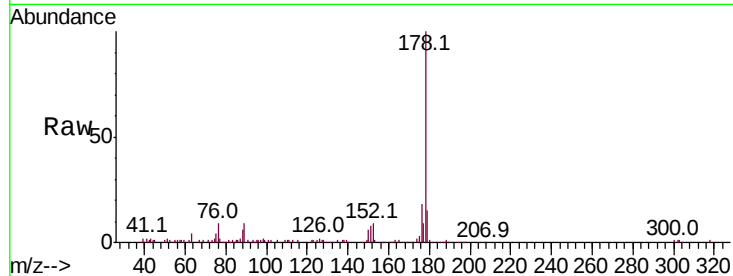
#72
 Anthracene
 Concen: 3.296 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111424.D
 Acq: 14 Dec 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :
 068_DUP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	17.2	25.8
179	14.5	13.8	20.8

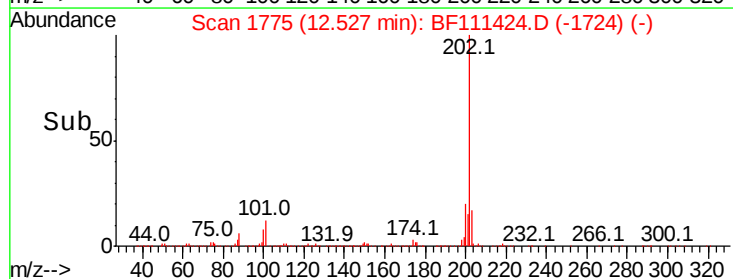
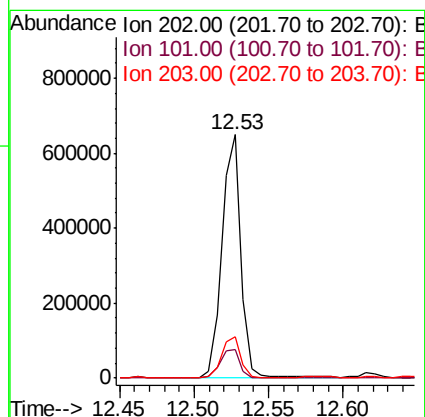
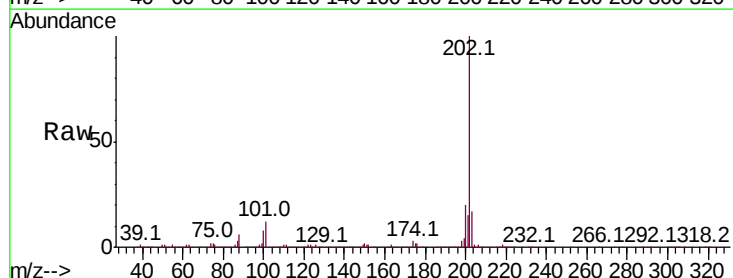
Manual Integrations
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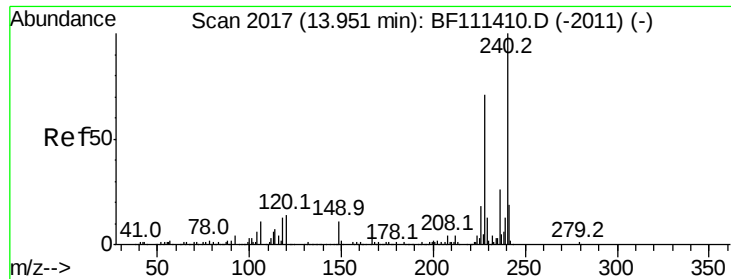
Sohil
 12/17/2018 2:36:32 PM



#75
 Fluoranthene
 Concen: 26.275 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF111424.D
 Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.8
203	17.0	0.0	38.6





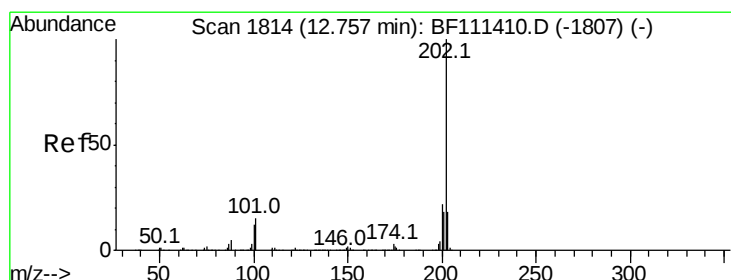
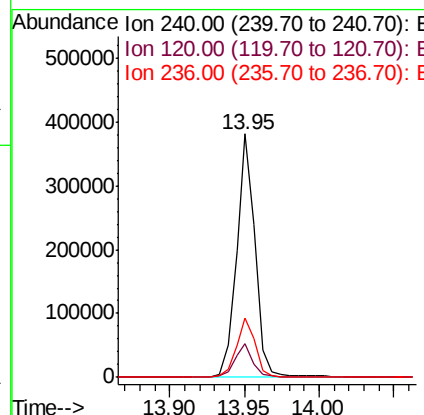
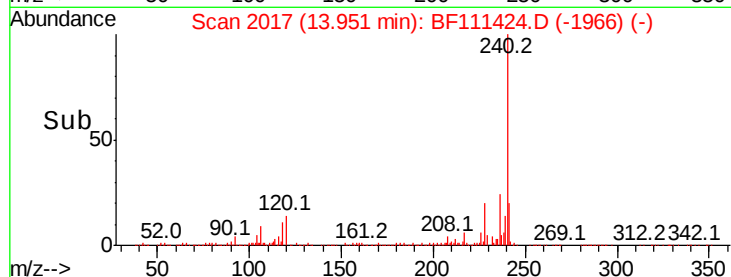
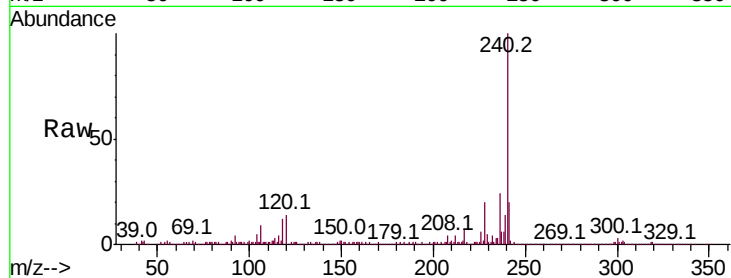
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.2	18.2
236	24.1	20.2	30.2

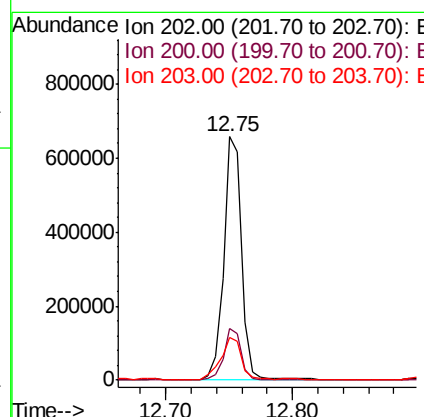
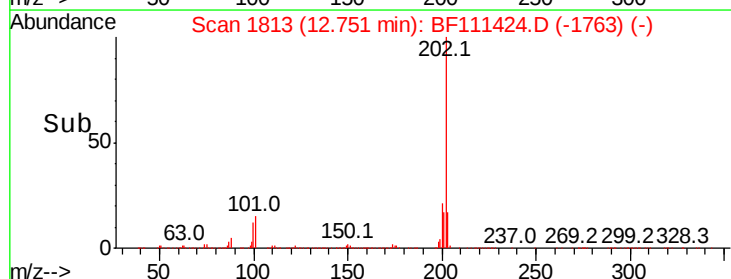
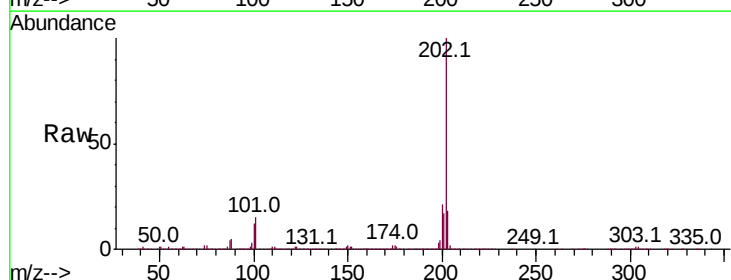
Manual Integrations
APPROVED

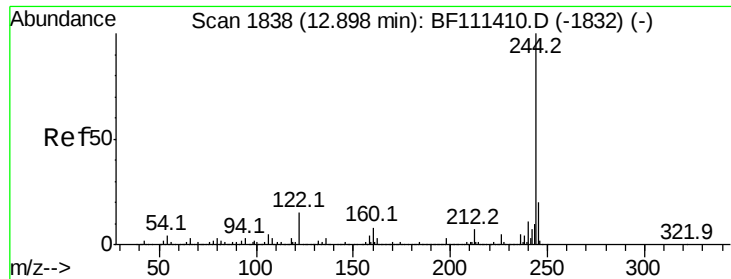
Sohil
12/17/2018 2:36:32 PM



#78
Pyrene
Concen: 27.712 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.4
203	17.6	15.2	22.8





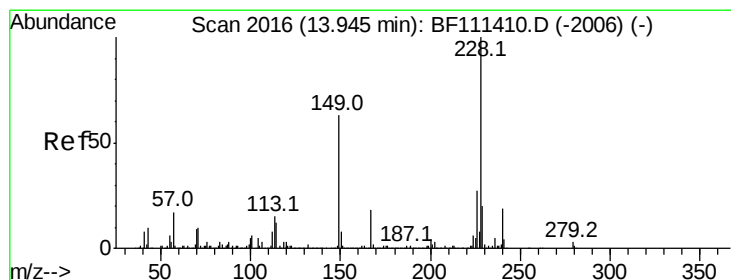
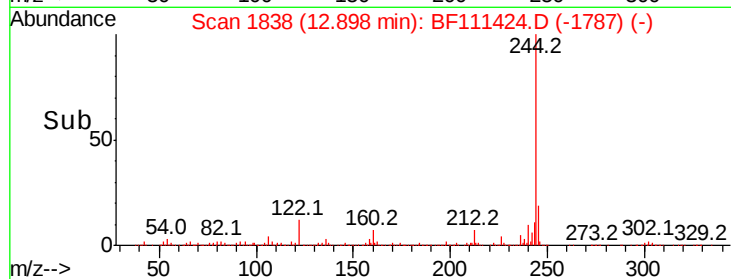
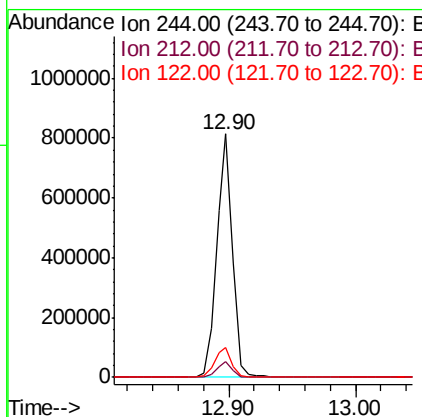
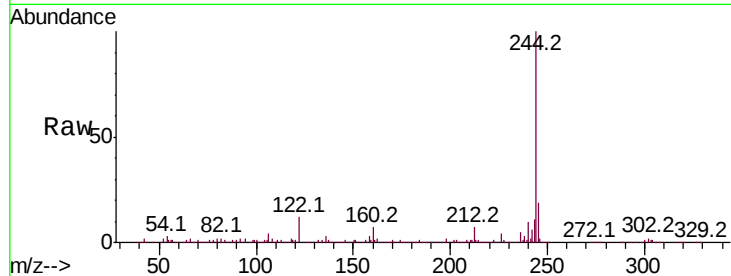
#79
 Terphenyl-d14
 Concen: 50.335 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF111424.D
 Acq: 14 Dec 2018 17:44

Instrument :
 BNA_F
 ClientSampled :
 068_DUP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	12.4	13.1	19.7

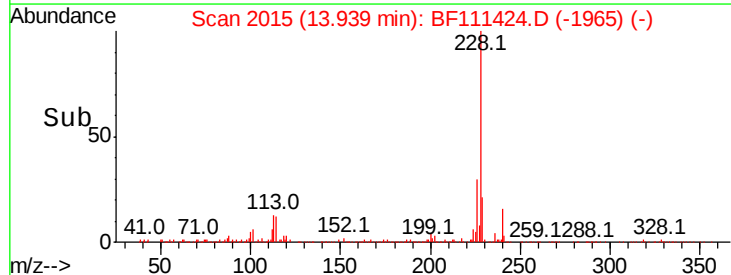
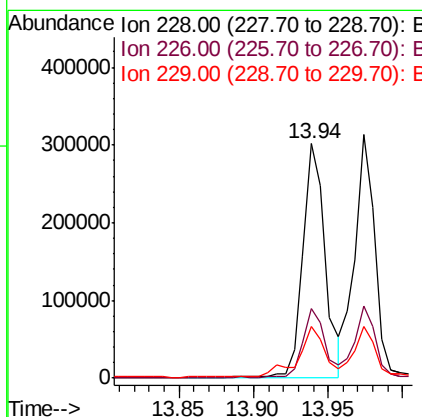
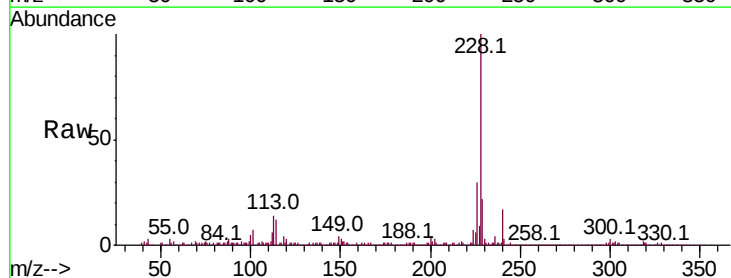
Manual Integrations
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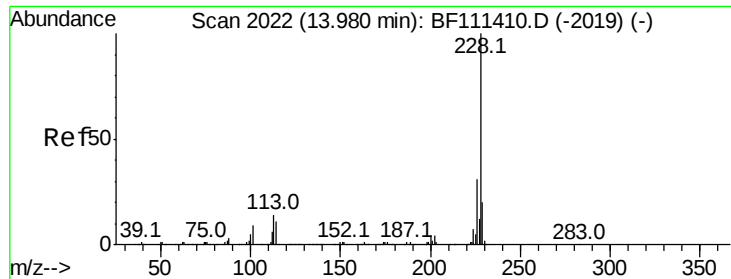
Sohil
 12/17/2018 2:36:32 PM



#81
 Benzo(a)anthracene
 Concen: 17.433 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111424.D
 Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	34.0
229	21.9	16.3	24.5





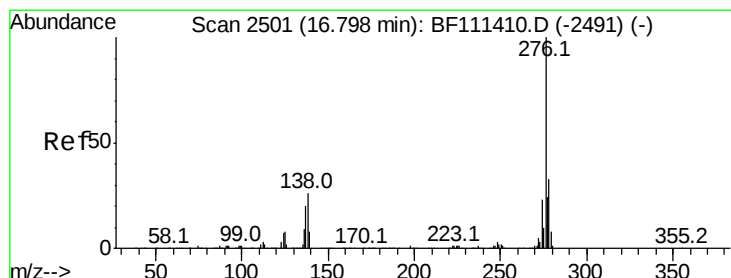
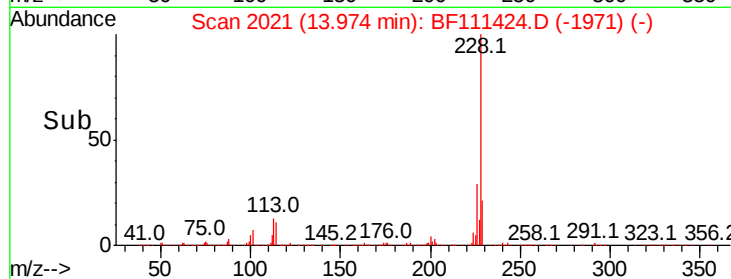
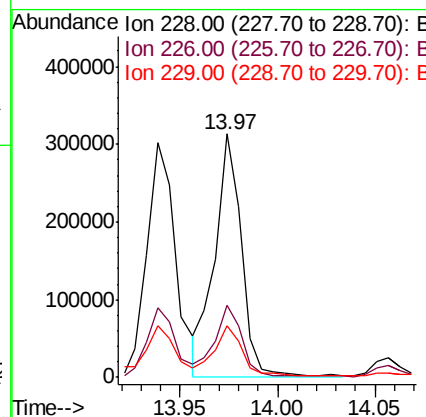
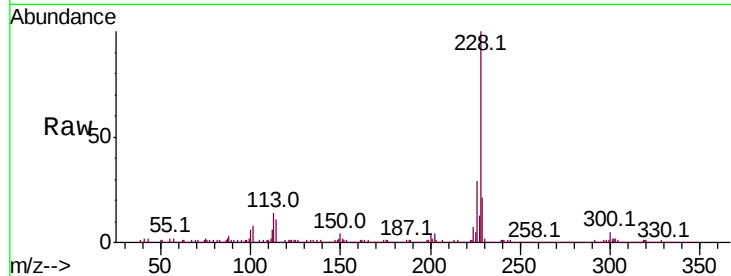
#83
Chrysene
Concen: 15.701 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion:228	Resp:	297303
Ion Ratio	Lower	Upper
228	100	
226	29.4	25.3 37.9
229	21.2	17.2 25.8

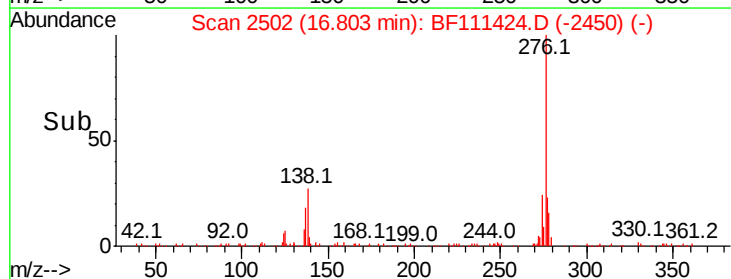
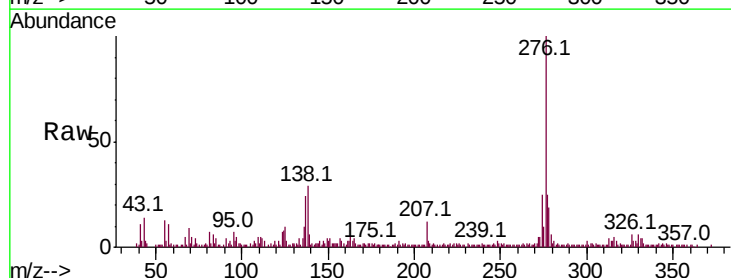
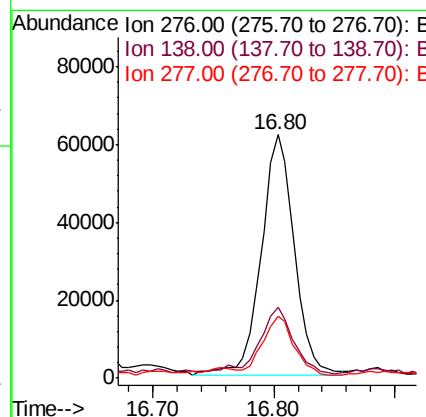
Manual Integrations
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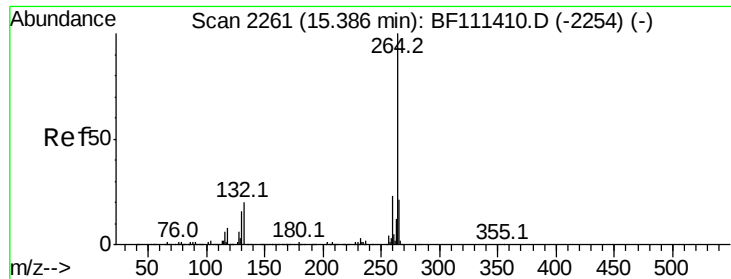
Sohil
12/17/2018 2:36:32 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.548 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion:276	Resp:	116823
Ion Ratio	Lower	Upper
276	100	
138	28.2	27.8 41.6
277	23.7	20.1 30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

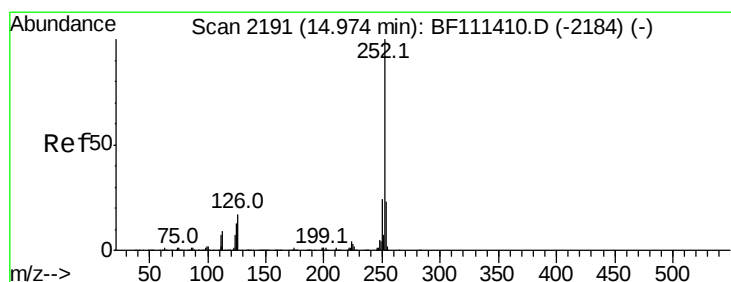
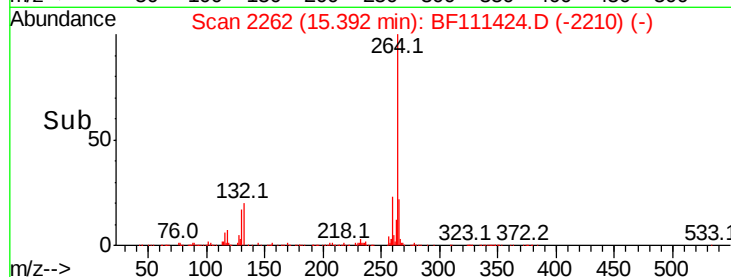
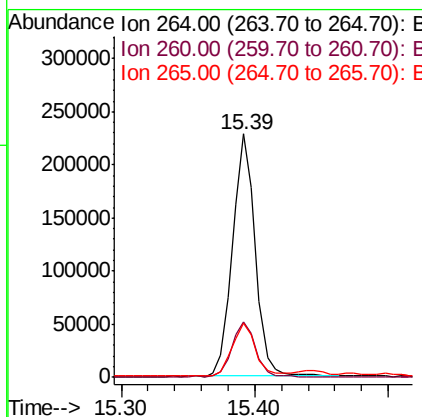
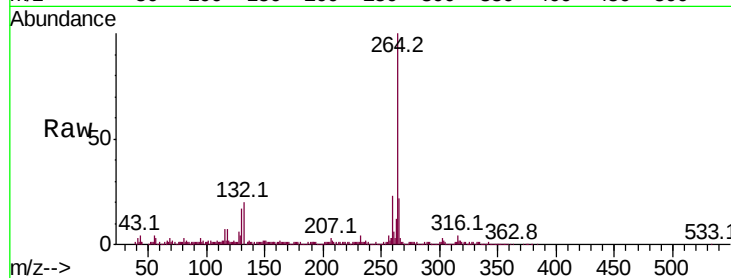
ClientSampleId :

068_DUP-2

Tot Ion:	264	Resp:	271298
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.3	27.5
265	22.2	17.7	26.5

Manual Integrations
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12/17/2018 2:36:32 PM



#88

Benzo(b)fluoranthene

Concen: 22.188 ng m

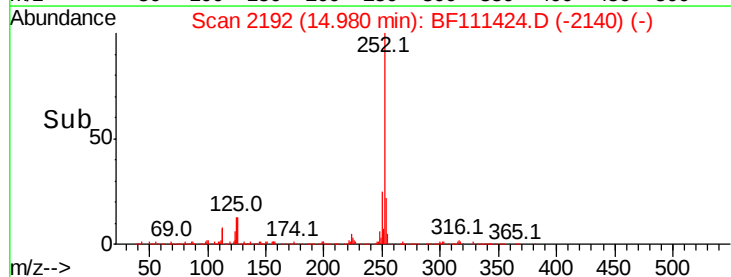
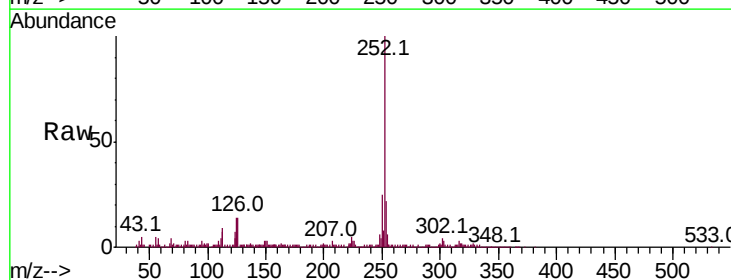
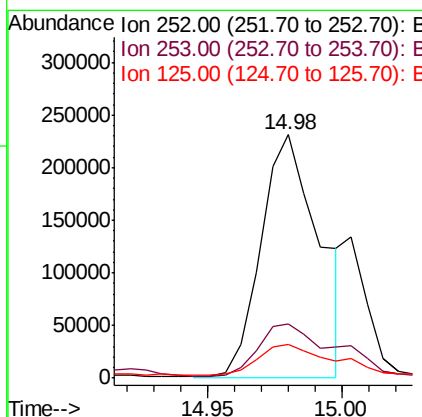
RT: 14.98 min Scan# 2192

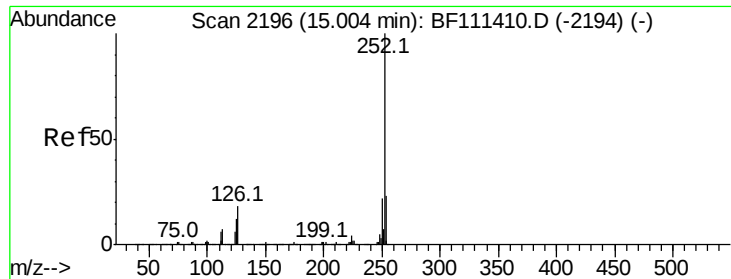
Delta R.T. 0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Tgt Ion:	252	Resp:	350952
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	13.7	10.4	15.6





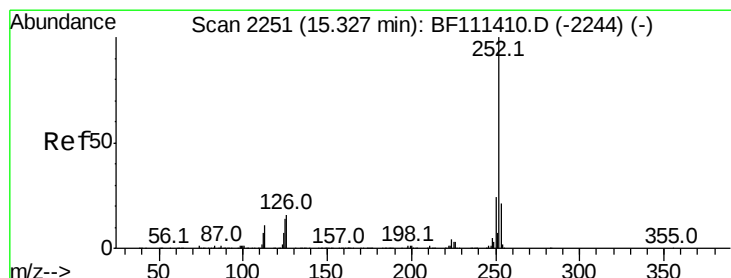
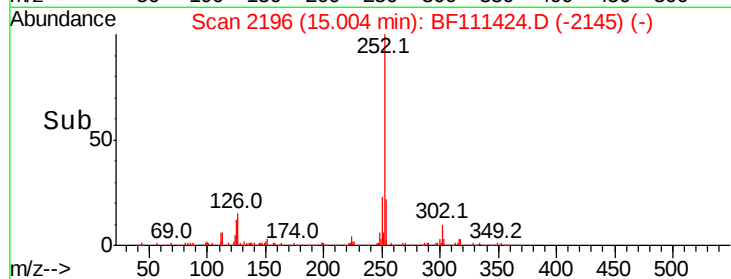
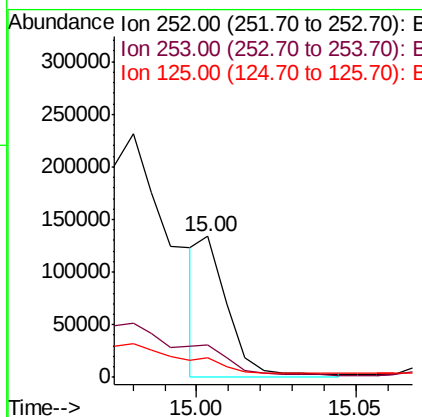
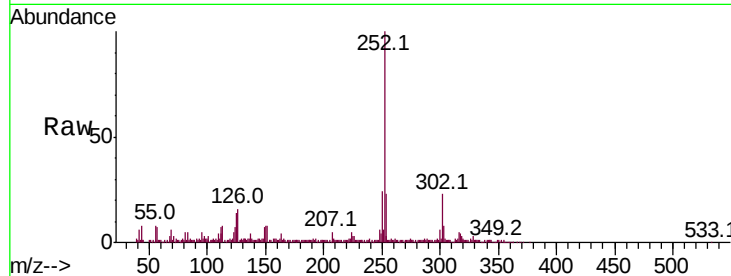
#89
Benzo(k)fluoranthene
Concen: 5.658 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.6	9.8	14.8

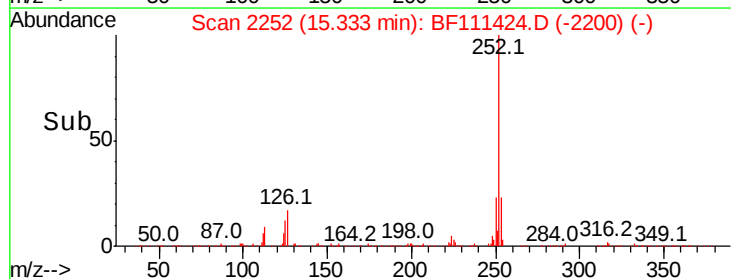
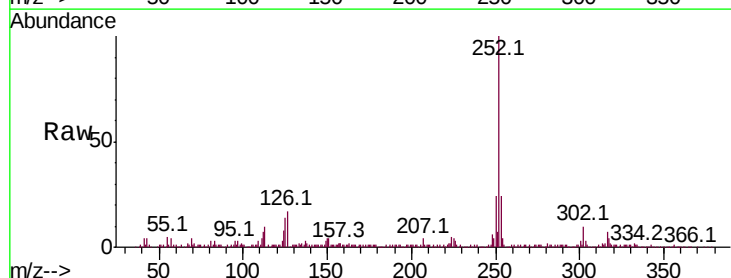
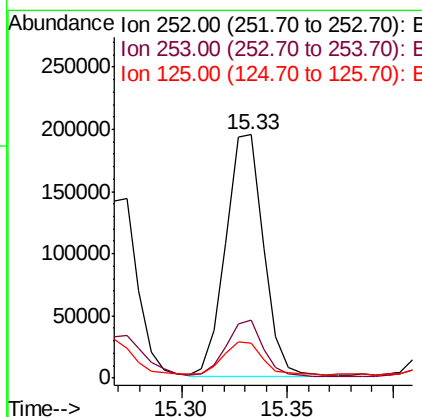
Manual Integrations
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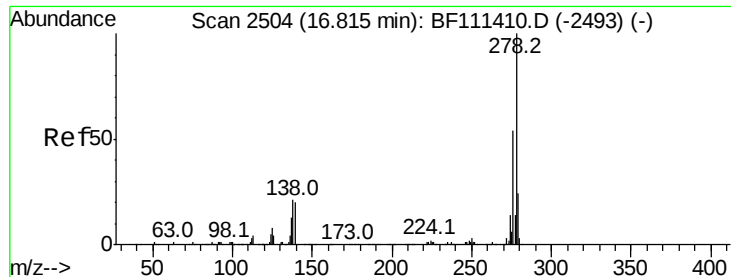
Sohil
12/17/2018 2:36:32 PM



#90
Benzo(a)pyrene
Concen: 16.970 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	14.3	12.3	18.5





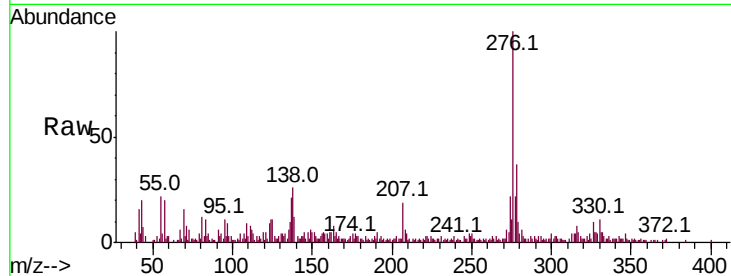
#91
Dibenzo(a,h)anthracene
Concen: 2.599 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :
068_DUP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.2	18.2	27.4#
279	26.8	19.0	28.6

Manual Integrations
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12/17/2018 2:36:32 PM

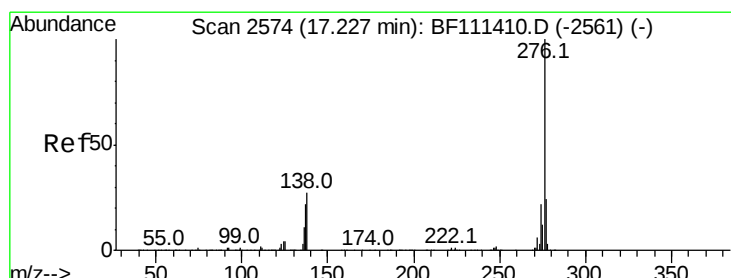
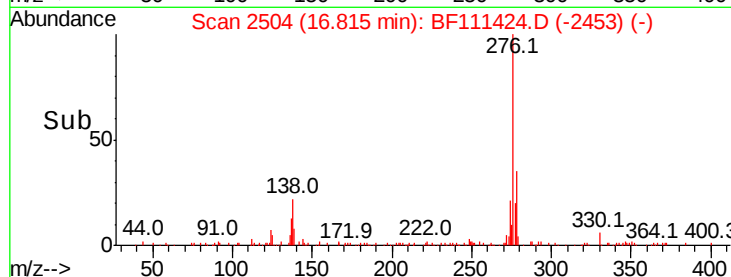
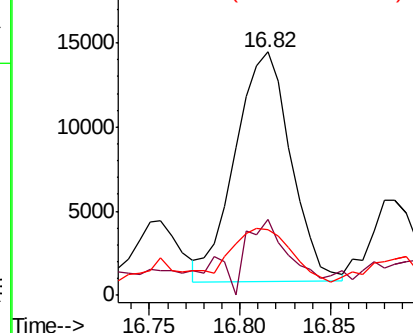


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 10.561 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.7	19.2	28.8
138	26.7	24.9	37.3

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

