

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103212.D
 Acq On : 26 Feb 2018 12:21
 Operator : SJ/JU
 Sample : J1648-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124031-RO124035

Manual Integrations
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Sohil
 2/27/2018 12:22:30 PM

Quant Time: Feb 26 13:26:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	155414	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	632276	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	258563	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	366135	20.00	ng	0.00
75) Chrysene-d12	14.04	240	269462	20.00	ng	0.00
86) Perylene-d12	15.54	264	284849	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1030599	100.29	ng	0.00
7) Phenol-d6	6.50	99	1202030	95.60	ng	0.00
23) Nitrobenzene-d5	7.43	82	796496	71.94	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	189826	86.73	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1062161	67.29	ng	0.00
78) Terphenyl-d14	12.98	244	707220	63.09	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	92526	4.461	ng	99
70) Phenanthrene	11.42	178	186895	9.275	ng	98
71) Anthracene	11.47	178	46855	2.268	ng	99
74) Fluoranthene	12.61	202	291160	14.380	ng	97
77) Pyrene	12.84	202	329415	15.680	ng	99
80) Benzo(a)anthracene	14.03	228	176058	10.070	ng	98
82) Chrysene	14.07	228	144573	8.516	ng	96
85) Indeno(1,2,3-cd)pyrene	17.04	276	68288	5.081	ng	97
87) Benzo(b)fluoranthene	15.10	252	199469m	10.651	ng	
88) Benzo(k)fluoranthene	15.12	252	78031m	4.425	ng	
89) Benzo(a)pyrene	15.47	252	143947	8.607	ng	# 93
91) Benzo(a,h,i)perylene	17.50	276	64484	5.105	ng	93

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

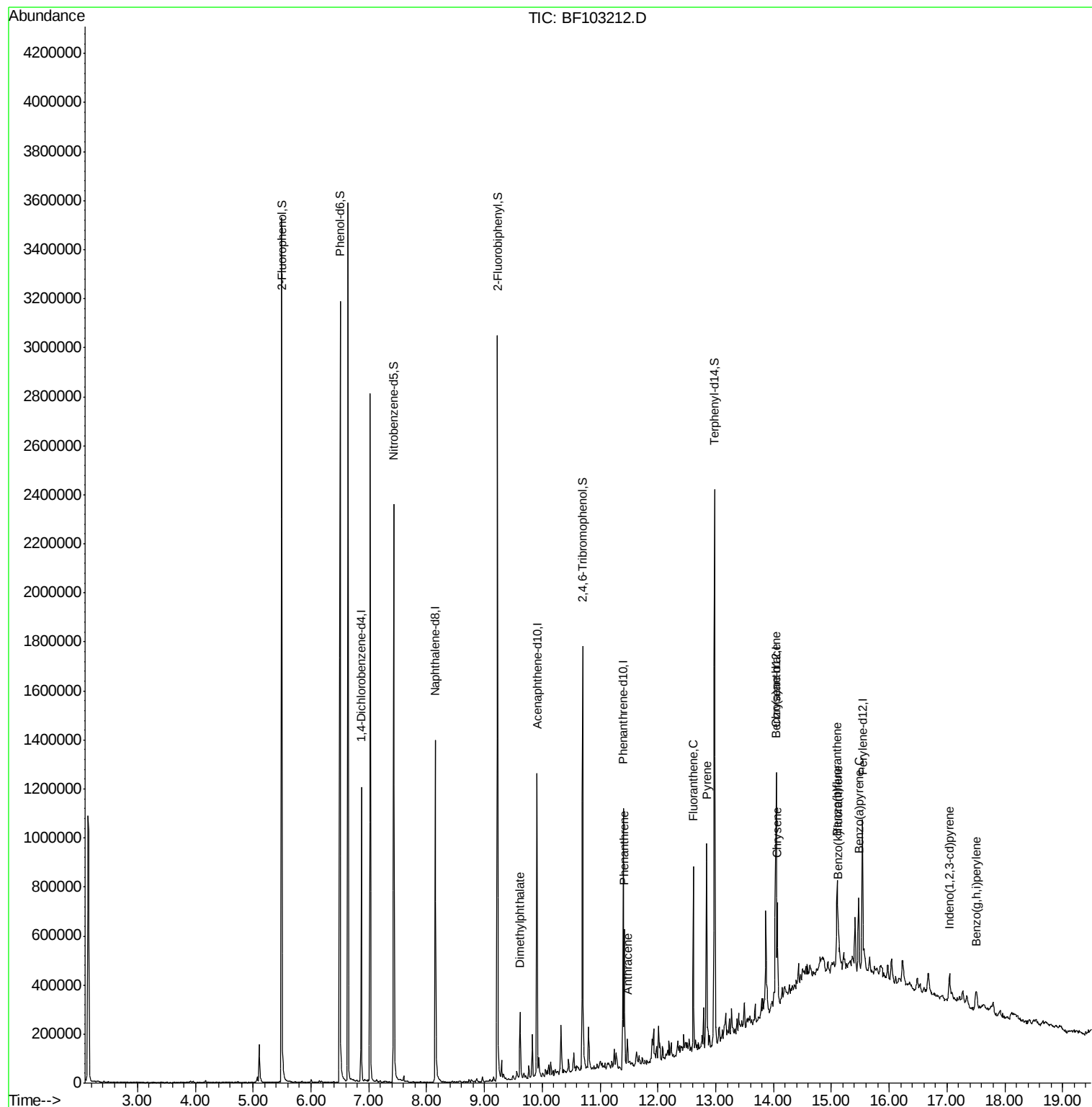
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103212.D
Acq On : 26 Feb 2018 12:21
Operator : SJ/JU
Sample : J1648-01
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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RO-124031-RO124035

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Response via : Initial Calibration





#1

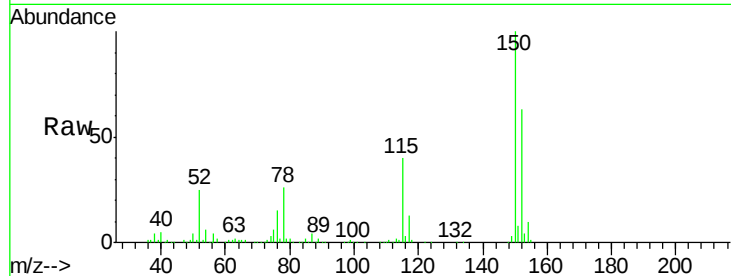
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :
RO-124031-RO124035

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.8	50.1	75.1

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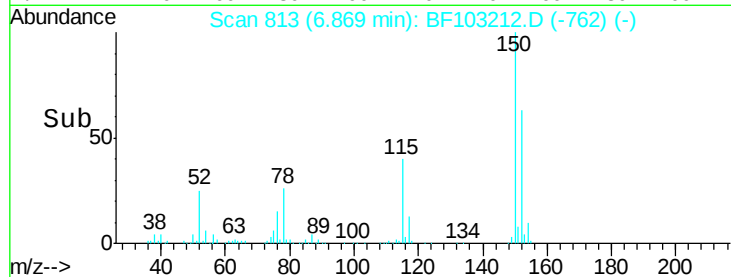
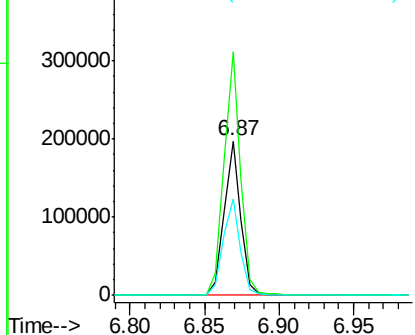


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

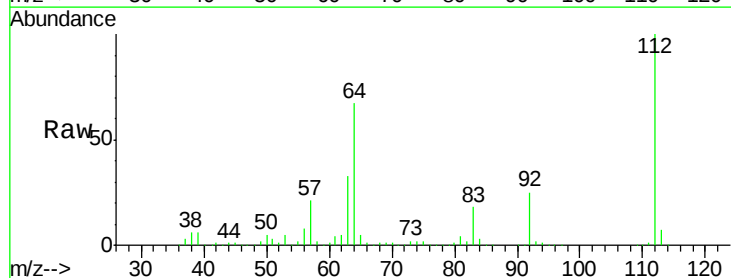
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.294 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	47.9	71.9
63	33.0	23.7	35.5

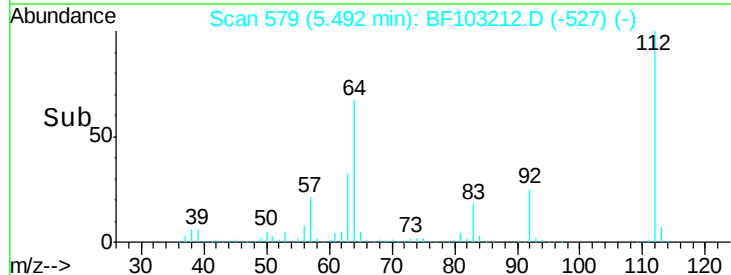
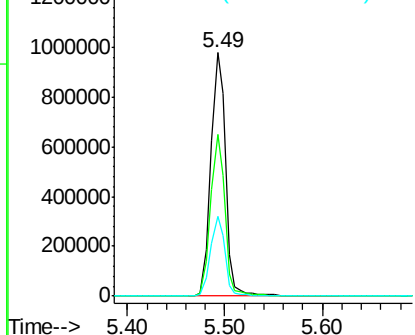


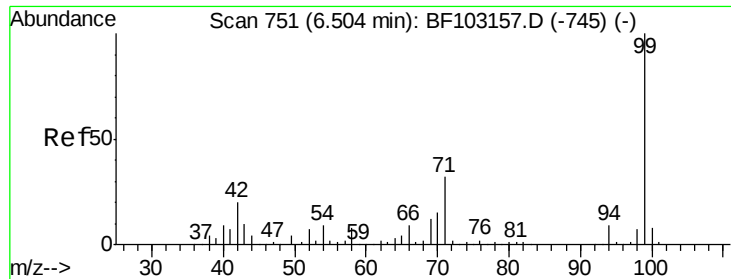
Abundance

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: 95.597 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

ClientSampleId :

RO-124031-RO124035

Tot Ion: 99 Resp: 1202030

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

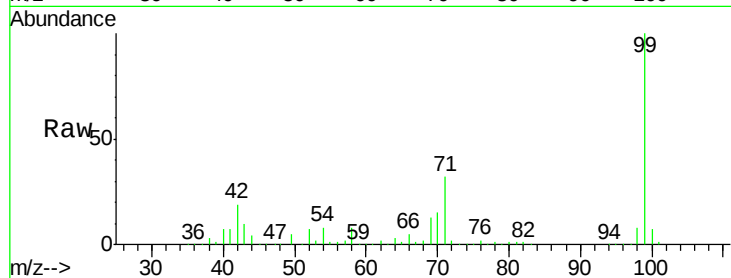
71 32.2 25.4 38.0

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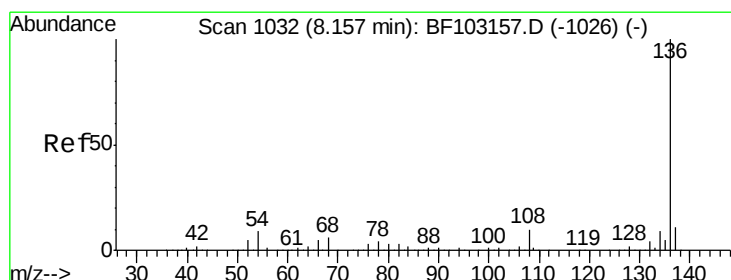
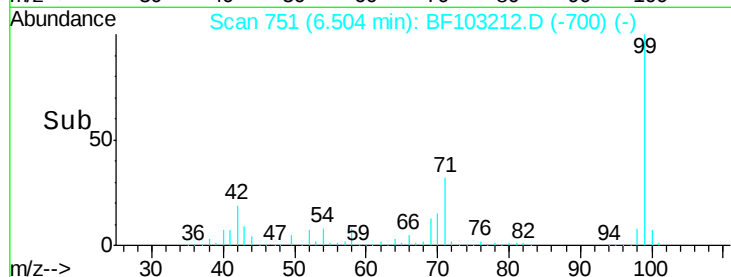
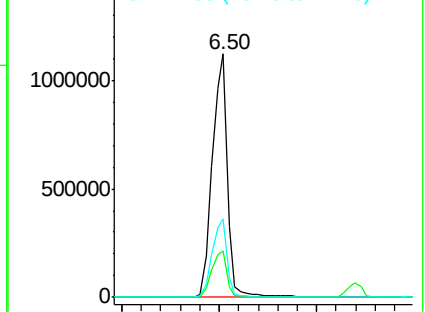
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Tgt Ion: 136 Resp: 632276

Ion Ratio Lower Upper

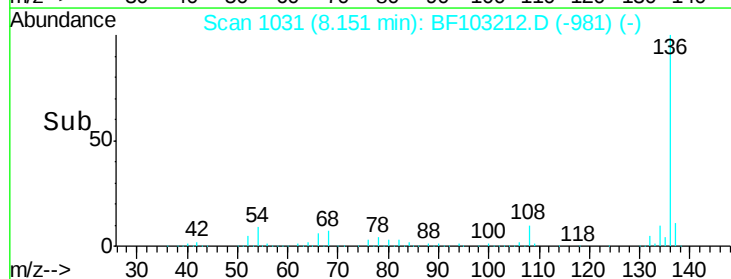
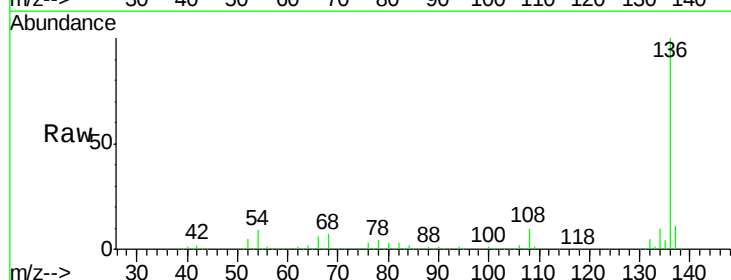
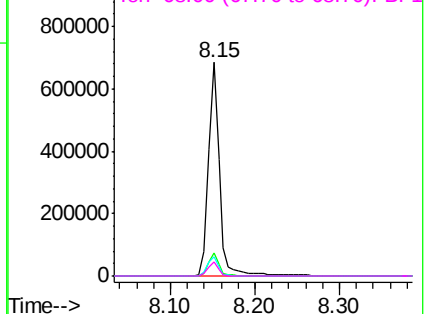
136 100

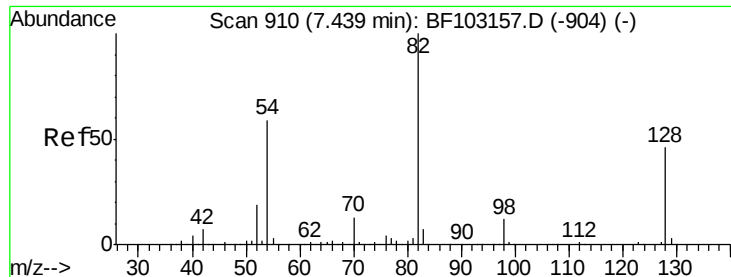
137 11.0 8.9 13.3

54 9.1 6.6 9.8

68 6.6 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





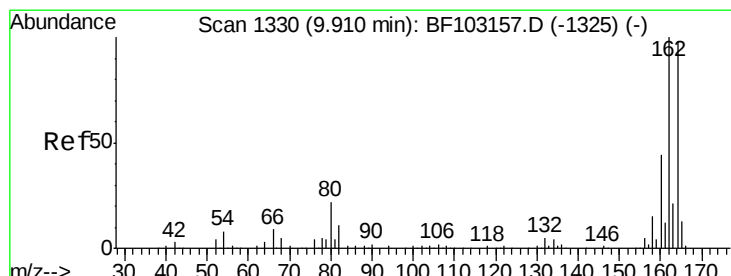
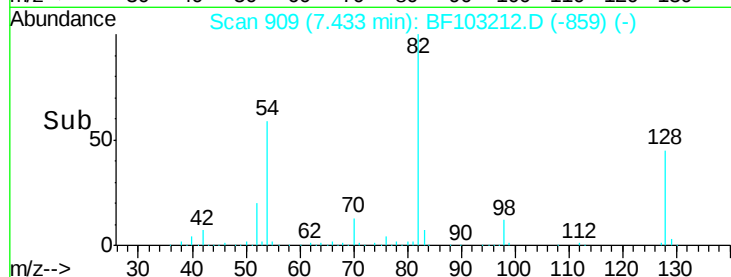
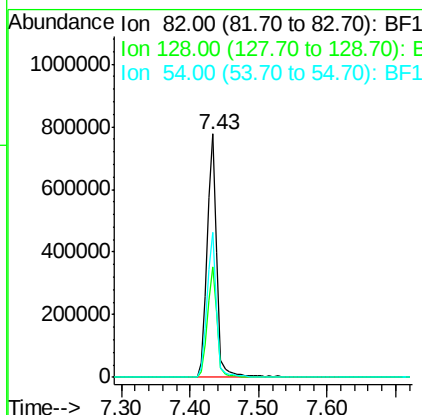
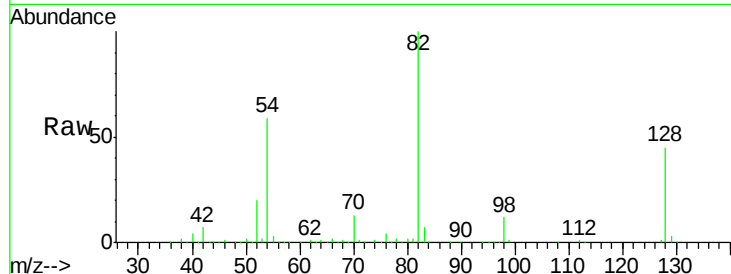
#23
 Nitrobenzene-d5
 Concen: 71.941 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :
 RO-124031-RO124035

Tot Ion	Ratio	Resp	Lower	Upper
82	100	796496		
128	45.5	36.1	54.1	
54	59.4	41.4	62.2	

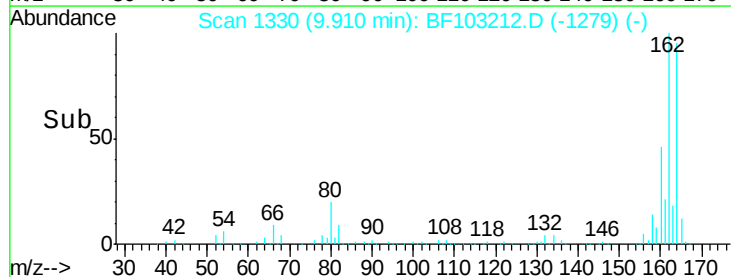
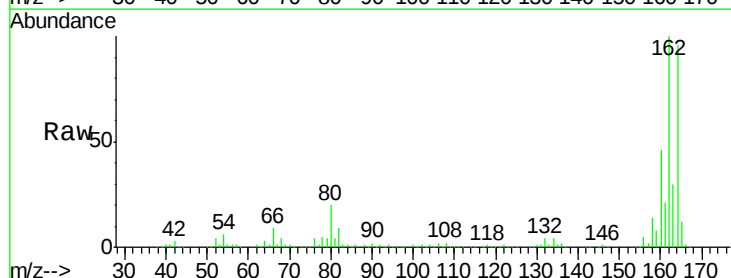
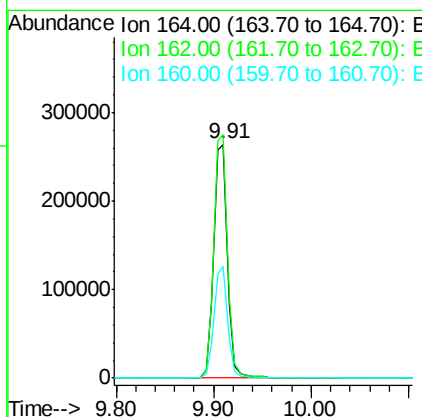
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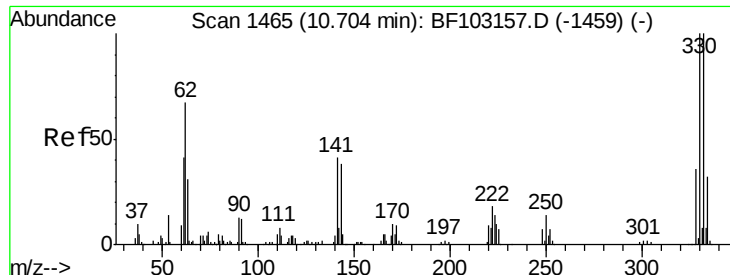
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	258563		
162	104.2	86.1	129.1	
160	47.8	38.3	57.5	





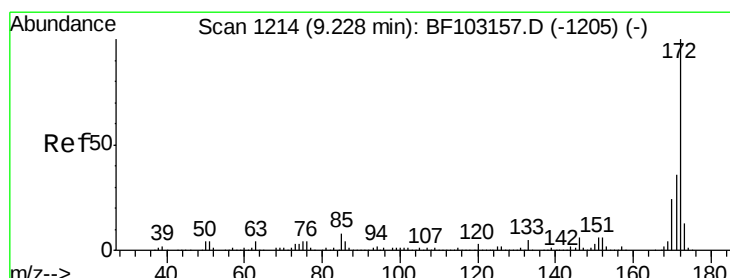
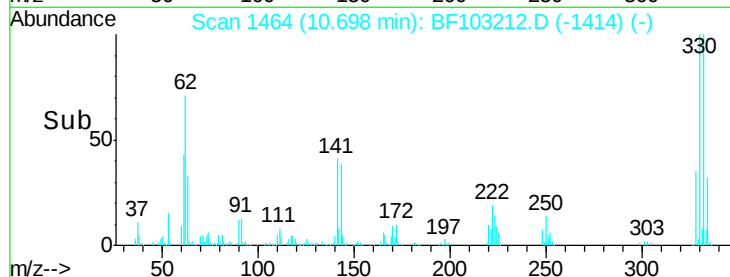
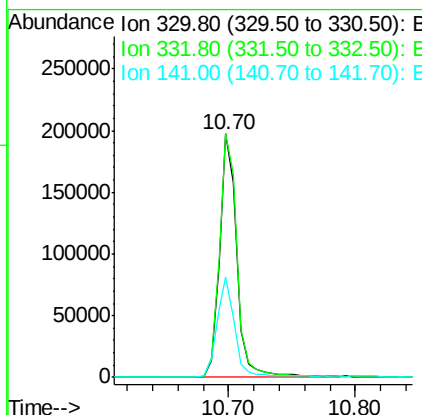
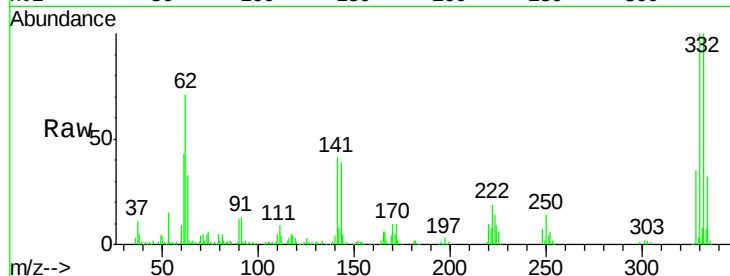
#41
 2,4,6-Tribromophenol
 Concen: 86.734 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :
 RO-124031-RO124035

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.8	77.0	115.6
141	43.8	29.9	44.9

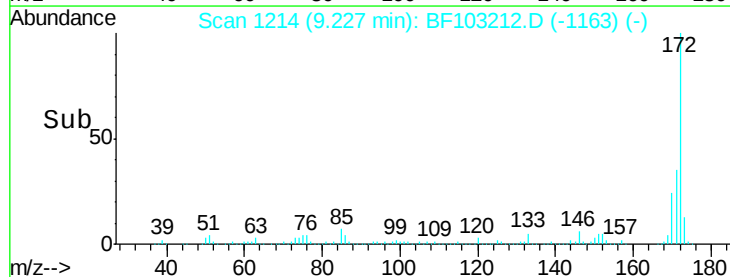
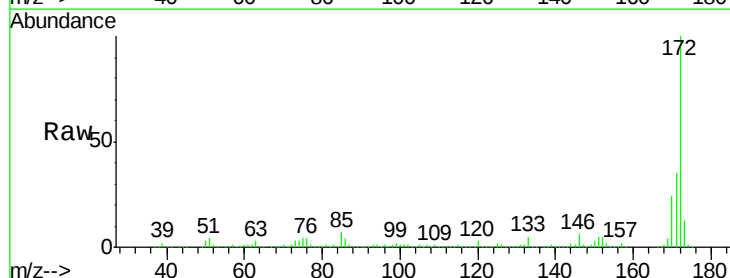
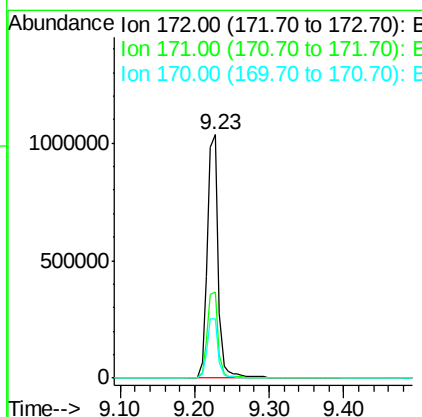
Manual Integrations
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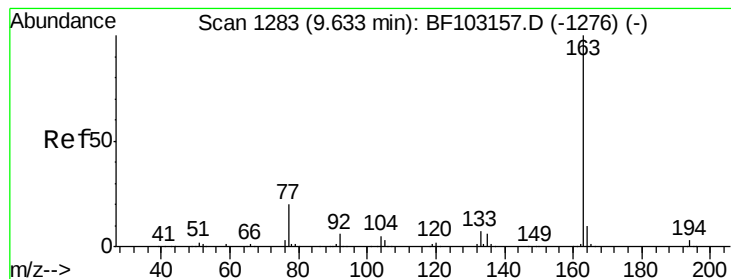
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#44
 2-Fluorobiphenyl
 Concen: 67.293 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 4.461 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

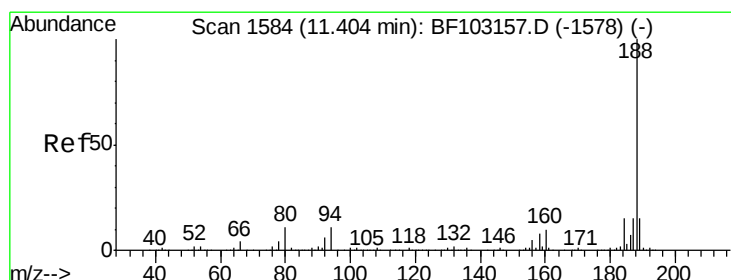
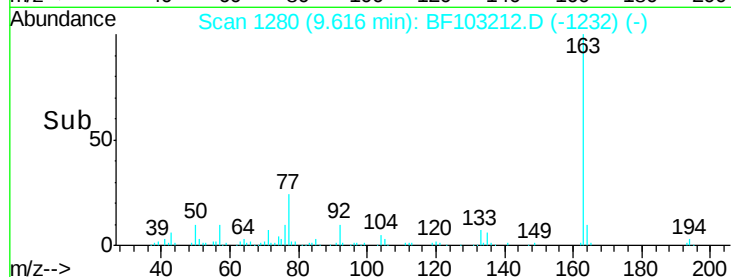
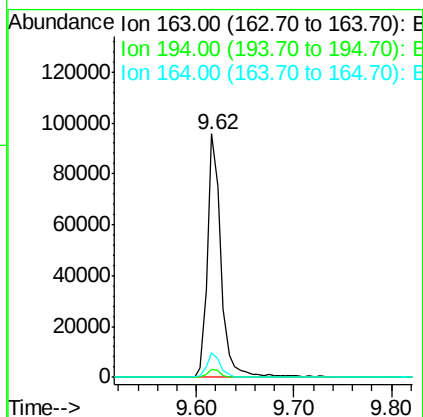
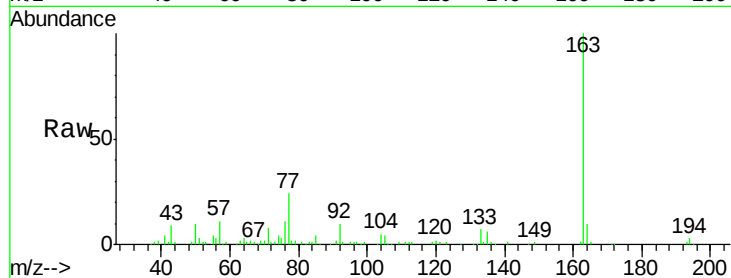
ClientSampleId :

RO-124031-RO124035

Tot Ion:	163	Resp:	92526
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.7	4.1
164	9.9	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

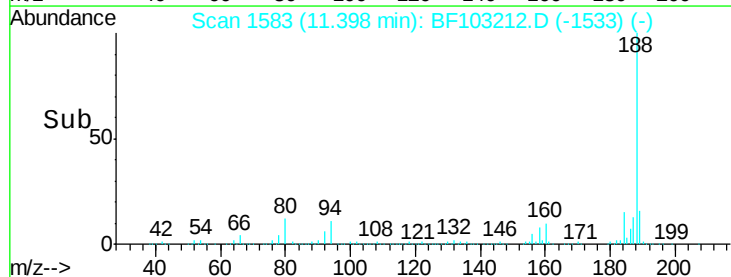
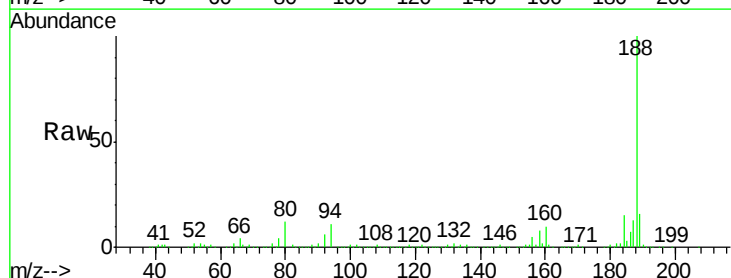
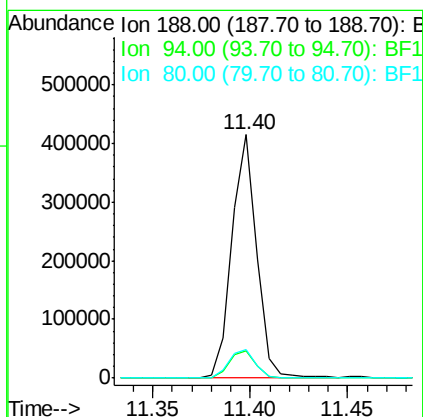
RT: 11.40 min Scan# 1583

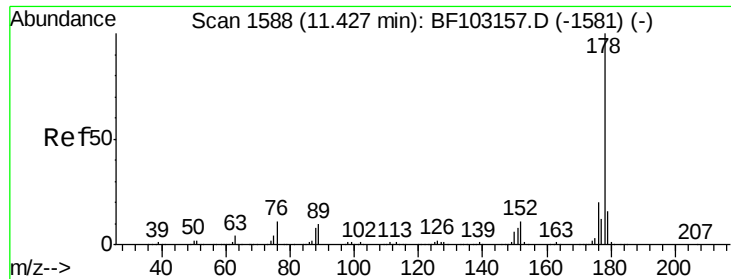
Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Tgt Ion:	188	Resp:	366135
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.5	12.7
80	11.8	9.2	13.8





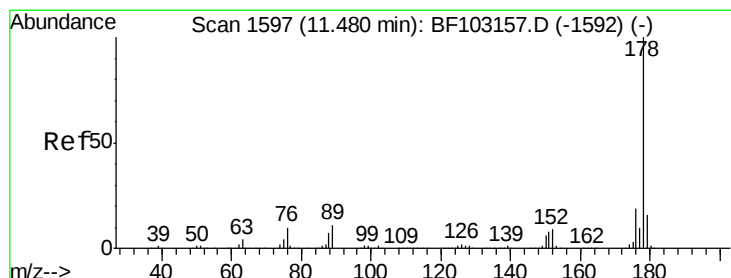
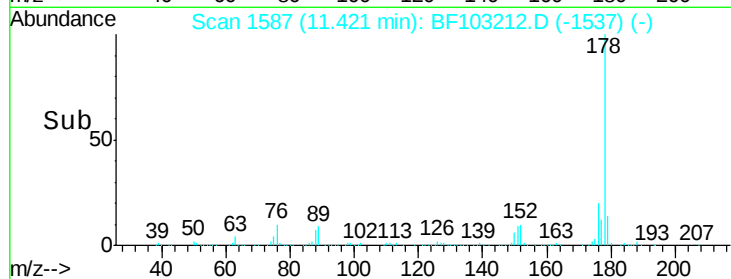
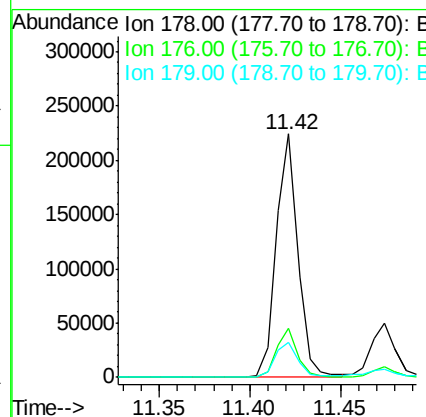
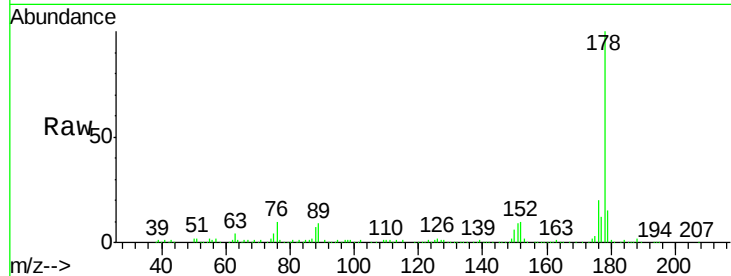
#70
Phenanthrene
Concen: 9.275 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :
RO-124031-RO124035

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	14.5	13.0	19.6

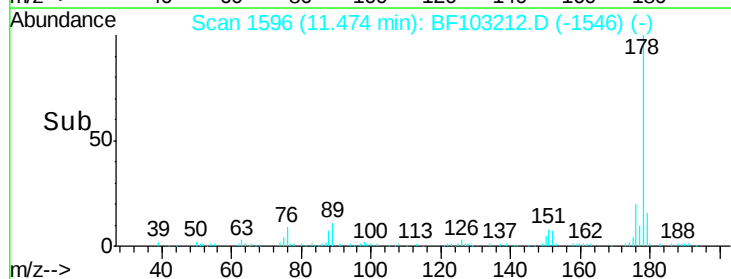
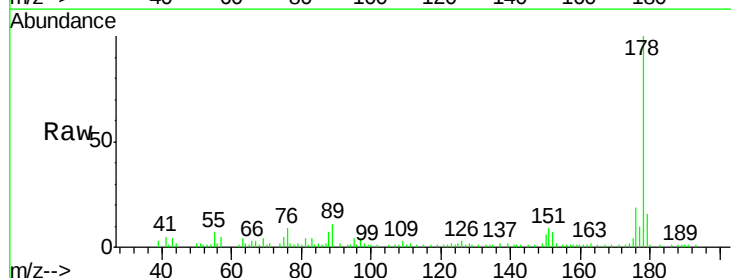
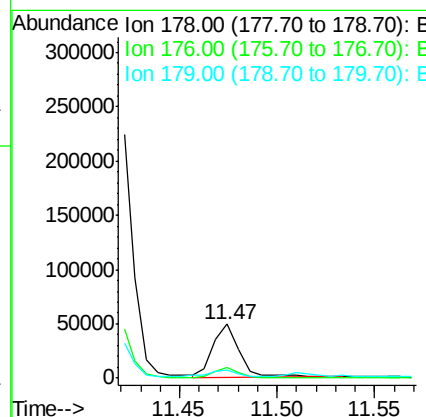
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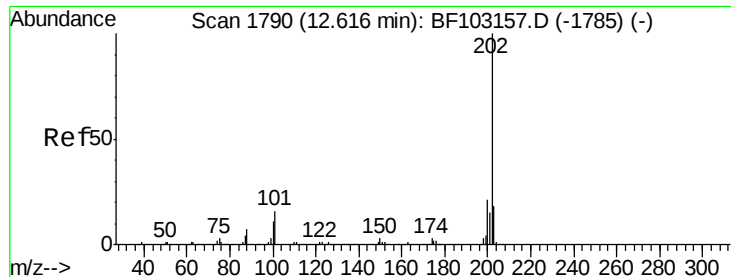
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#71
Anthracene
Concen: 2.268 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.2	12.6	19.0





#74

Fluoranthene

Concen: 14.380 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

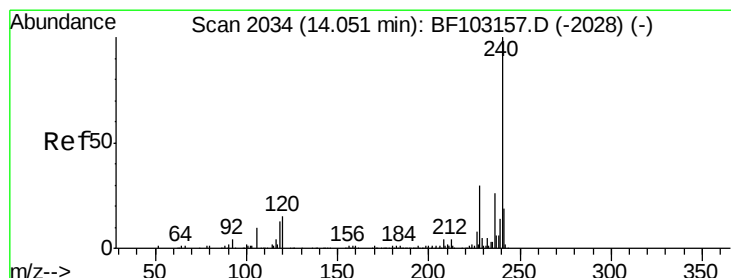
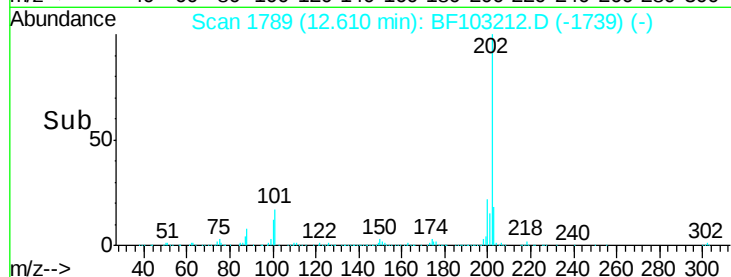
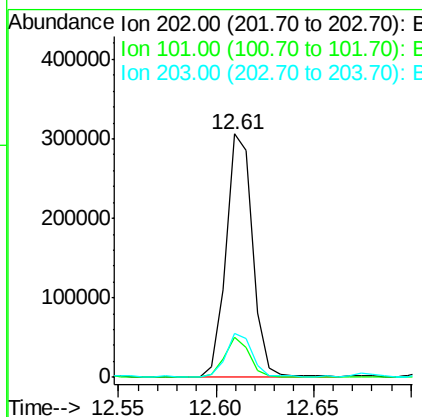
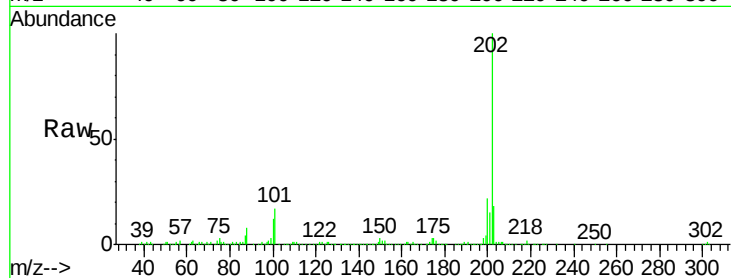
ClientSampleId :

RO-124031-RO124035

Tot Ion:	202	Resp:	291160
Ion Ratio		Lower	Upper
202	100		
101	16.7	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

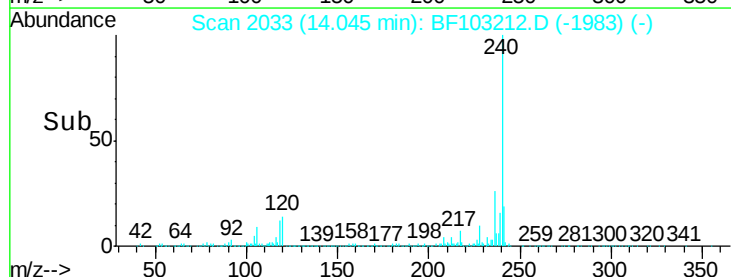
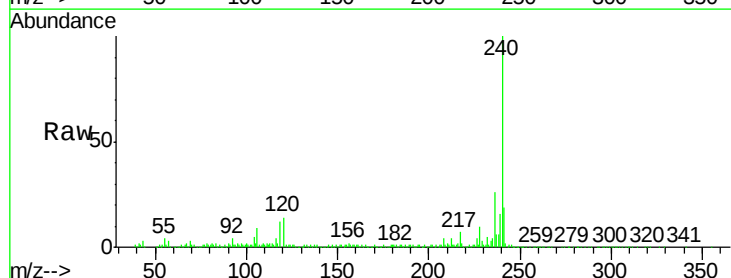
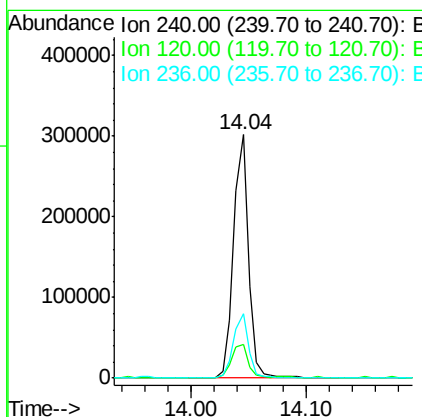
RT: 14.04 min Scan# 2033

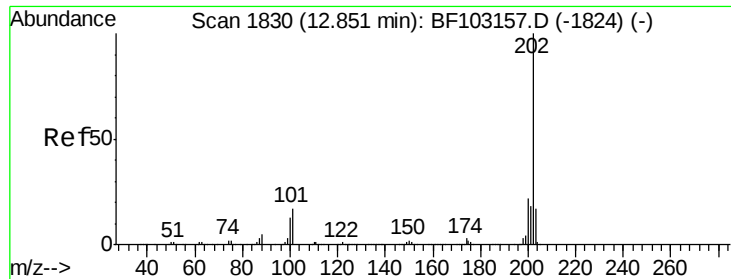
Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Tgt Ion:	240	Resp:	269462
Ion Ratio		Lower	Upper
240	100		
120	14.0	9.5	14.3
236	26.4	20.7	31.1





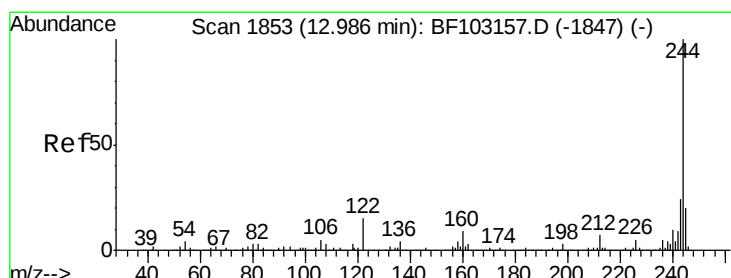
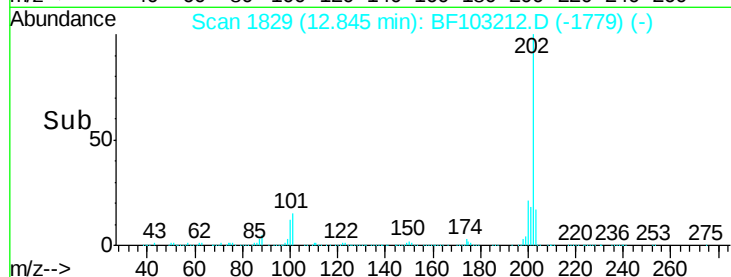
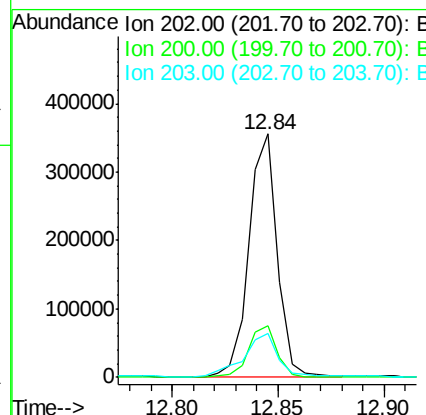
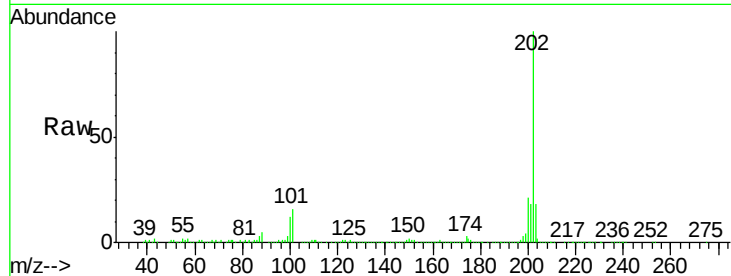
#77
Pvrene
Concen: 15.680 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :
RO-124031-RO124035

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.4	26.2	
203	17.9	14.3	21.5	

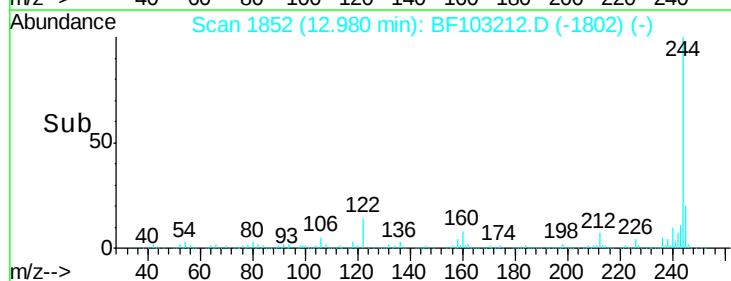
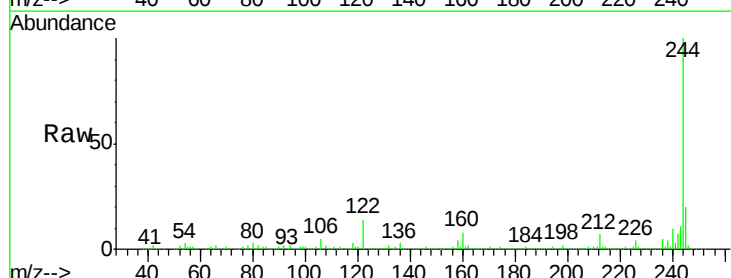
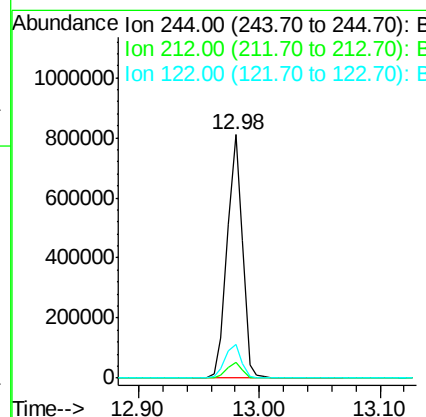
Manual Integrations
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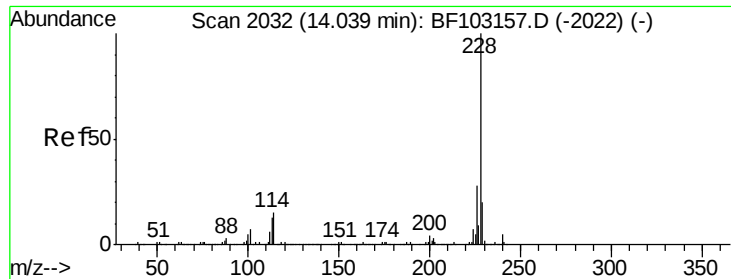
Sohil
2/27/2018 12:22:30 PM



#78
Terphenyl-d14
Concen: 63.091 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	5.4	8.0	
122	13.9	11.0	16.4	





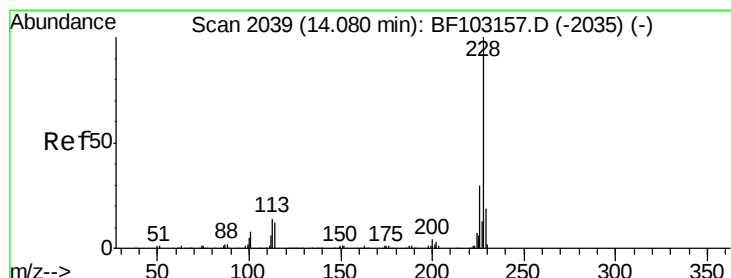
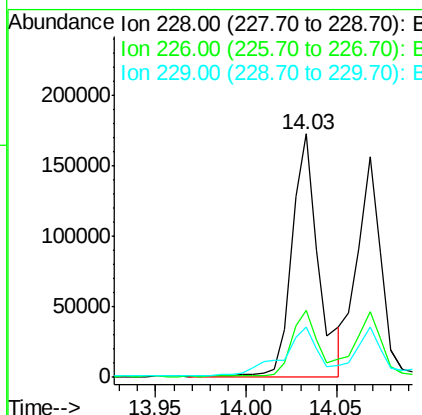
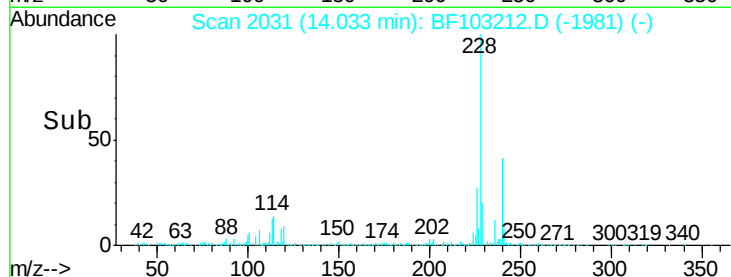
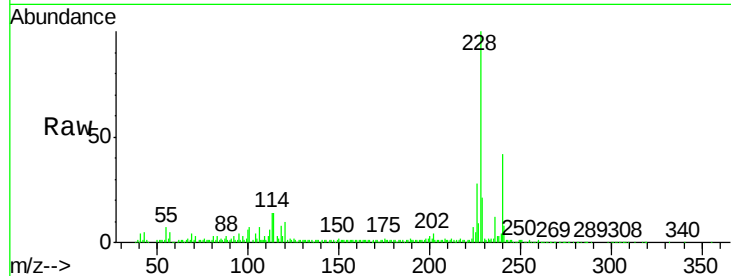
#80
Benzo(a)anthracene
Concen: 10.070 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :
RO-124031-RO124035

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.8	15.8	23.6

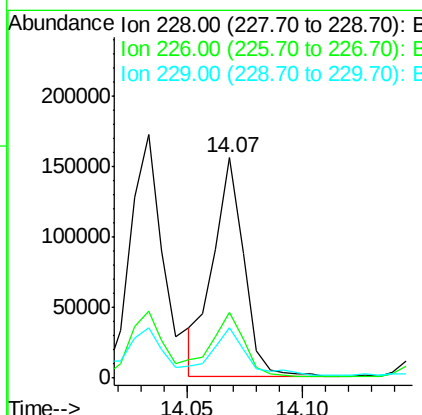
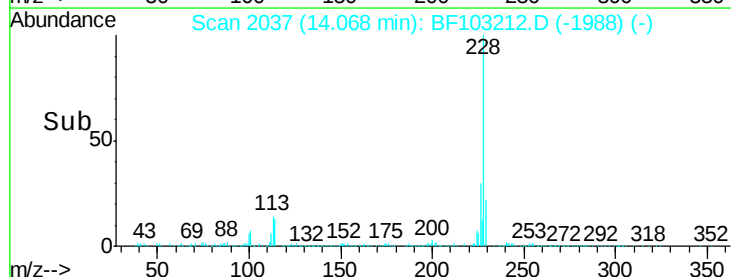
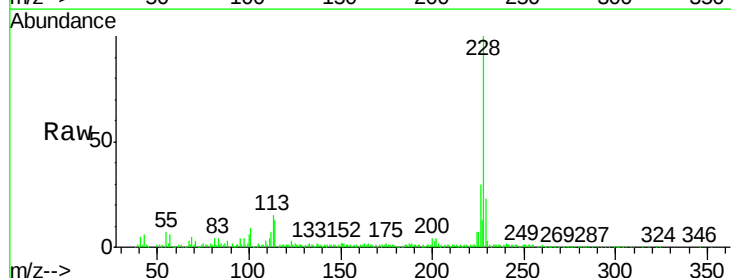
Manual Integrations
APPROVED

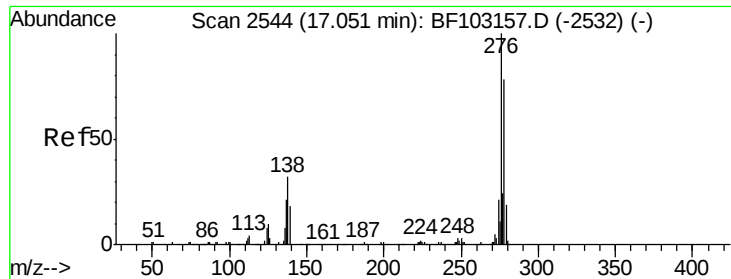
Sohil
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#82
Chrysene
Concen: 8.516 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	23.0	16.2	24.4





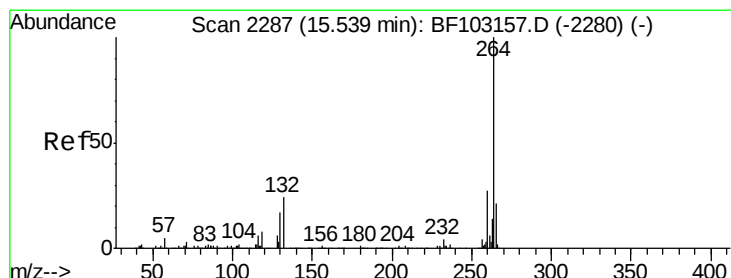
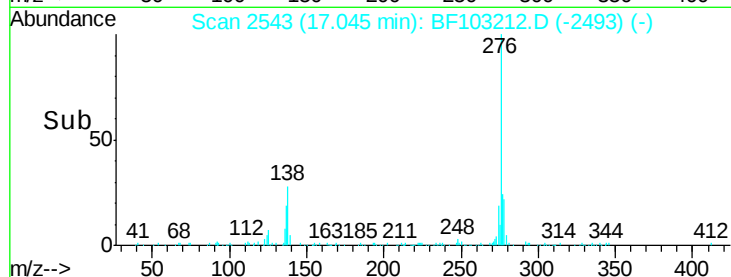
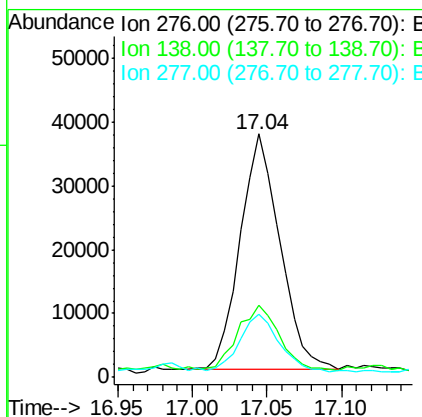
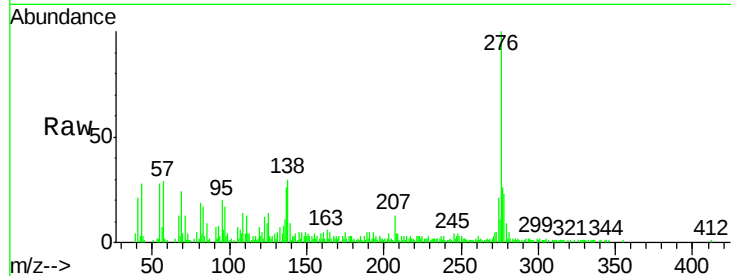
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.081 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :
 RO-124031-RO124035

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	23.7	20.1	30.1

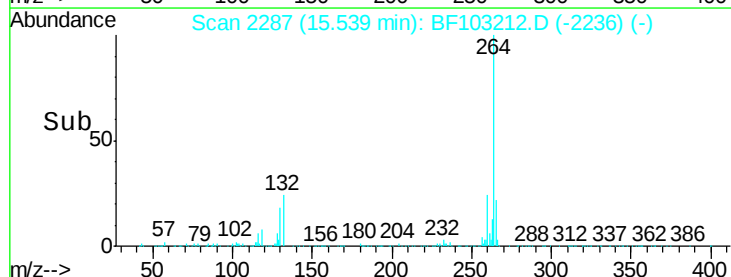
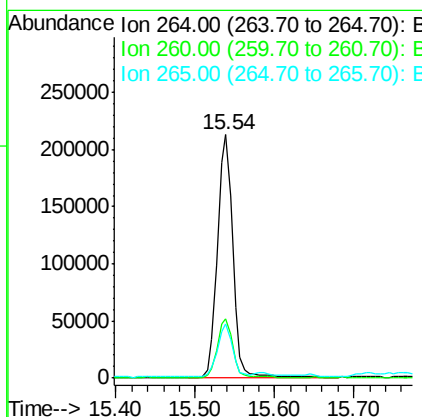
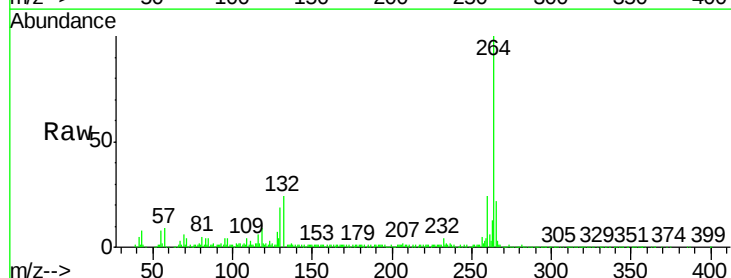
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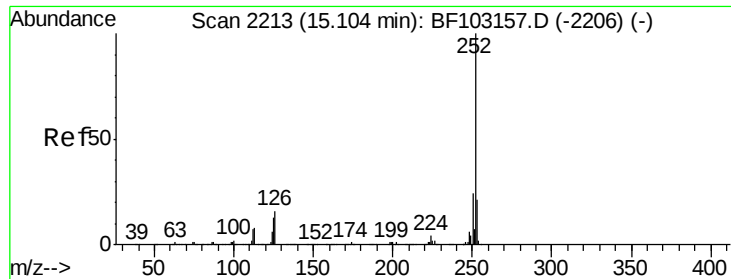
Sohil
 2/27/2018 12:22:30 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.00 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.651 ng m

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

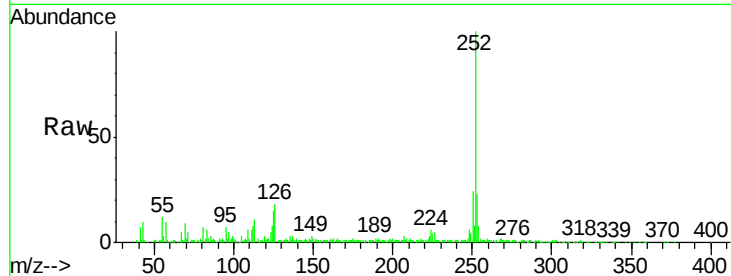
ClientSampleId :

RO-124031-RO124035

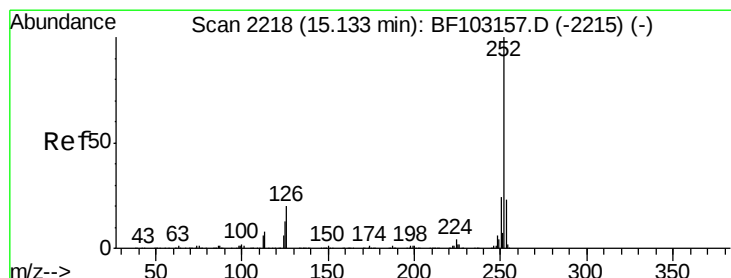
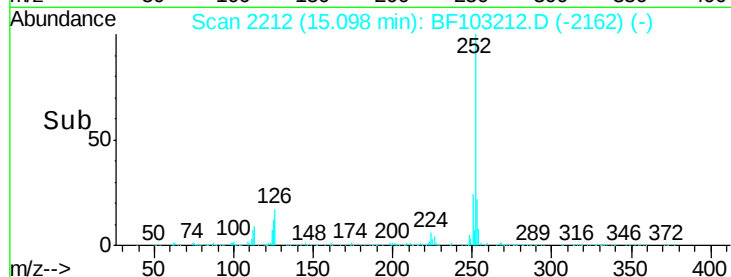
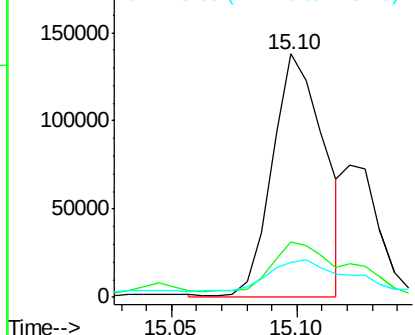
Tot Ion:	252	Resp:	199469
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	14.6	9.0	13.6#

Manual Integrations
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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



#88

Benzo(k)fluoranthene

Concen: 4.425 ng m

RT: 15.12 min Scan# 2216

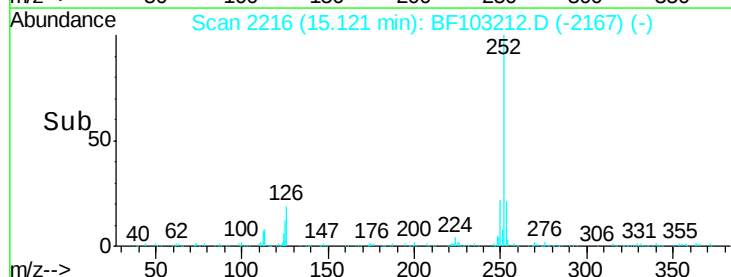
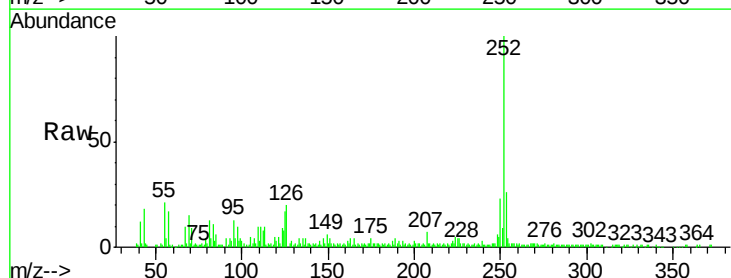
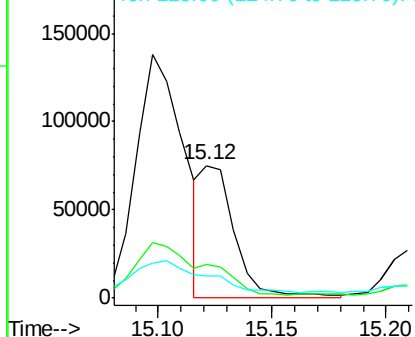
Delta R.T. -0.01 min

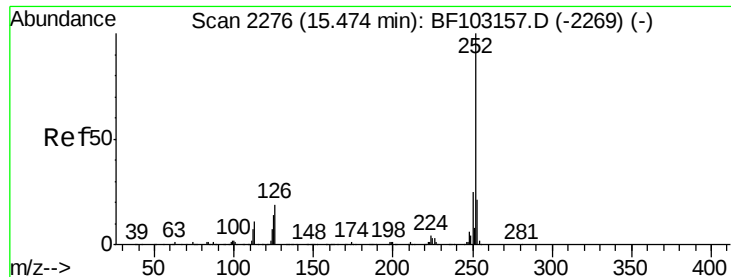
Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Tgt Ion:	252	Resp:	78031
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	17.0	10.2	15.2#

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(a)pyrene

Concen: 8.607 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

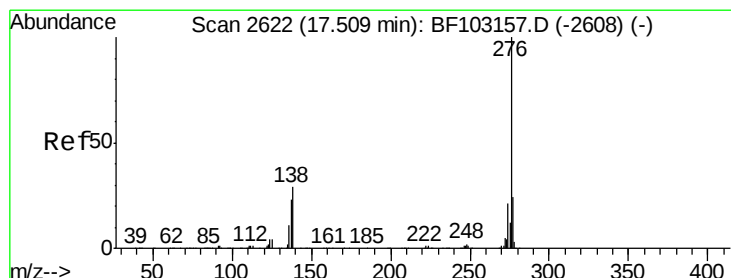
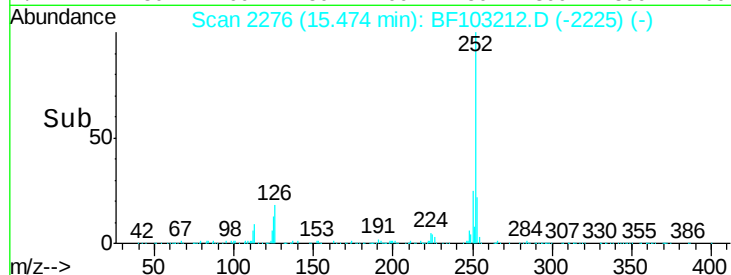
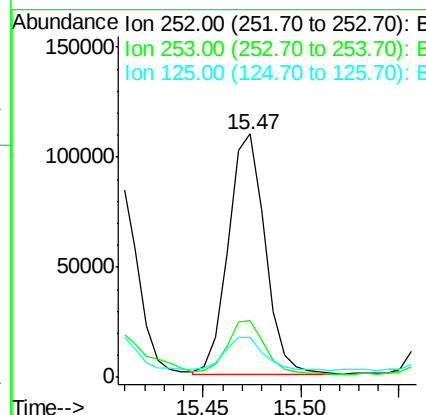
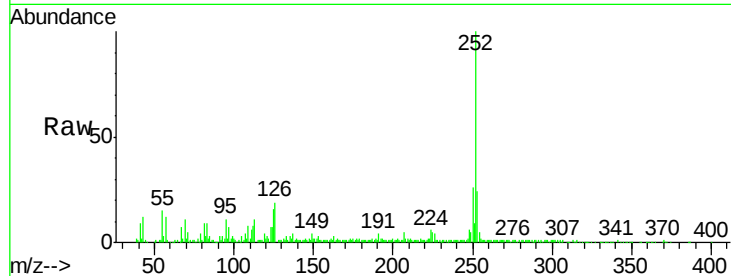
ClientSampleId :

RO-124031-RO124035

Tot Ion:	252	Resp:	143947
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	16.2	9.8	14.6

Manual Integrations
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2/27/2018 12:22:30 PM



#91

Benzo(g,h,i)perylene

Concen: 5.105 ng

RT: 17.50 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Tgt Ion:	276	Resp:	64484
Ion Ratio	Lower	Upper	
276	100		
277	24.8	17.9	26.9
138	31.6	21.8	32.8

