

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108440.D
 Acq On : 24 Aug 2018 00:10
 Operator : JU/SJ
 Sample : J4535-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

Manual Integrations
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Sohil
 8/24/2018 12:14:26 PM

Quant Time: Aug 24 02:37:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	135402	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	515438	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	233815	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	361655	20.00	ng	0.00
75) Chrysene-d12	14.19	240	265544	20.00	ng	0.00
86) Perylene-d12	15.76	264	250429	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	142000	18.99	ng	-0.01
7) Phenol-d6	6.61	99	195991	19.72	ng	-0.02
23) Nitrobenzene-d5	7.55	82	124414	13.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	35555	15.24	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	234564	16.11	ng	-0.01
78) Terphenyl-d14	13.12	244	155956	14.93	ng	0.00
Target Compounds						
70) Phenanthrene	11.57	178	109904	6.443	ng	98
74) Fluoranthene	12.76	202	114183	6.133	ng	95
77) Pyrene	12.99	202	102651	6.106	ng	98
80) Benzo(a)anthracene	14.19	228	59451	3.901	ng	# 91
82) Chrysene	14.22	228	63730	4.561	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.36	276	24427	2.018	ng	# 88
87) Benzo(b)fluoranthene	15.29	252	75266m	5.030	ng	
89) Benzo(a)pyrene	15.69	252	45216	3.374	ng	# 79
91) Benzo(g,h,i)perylene	17.85	276	23550	2.157	ng	# 91

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

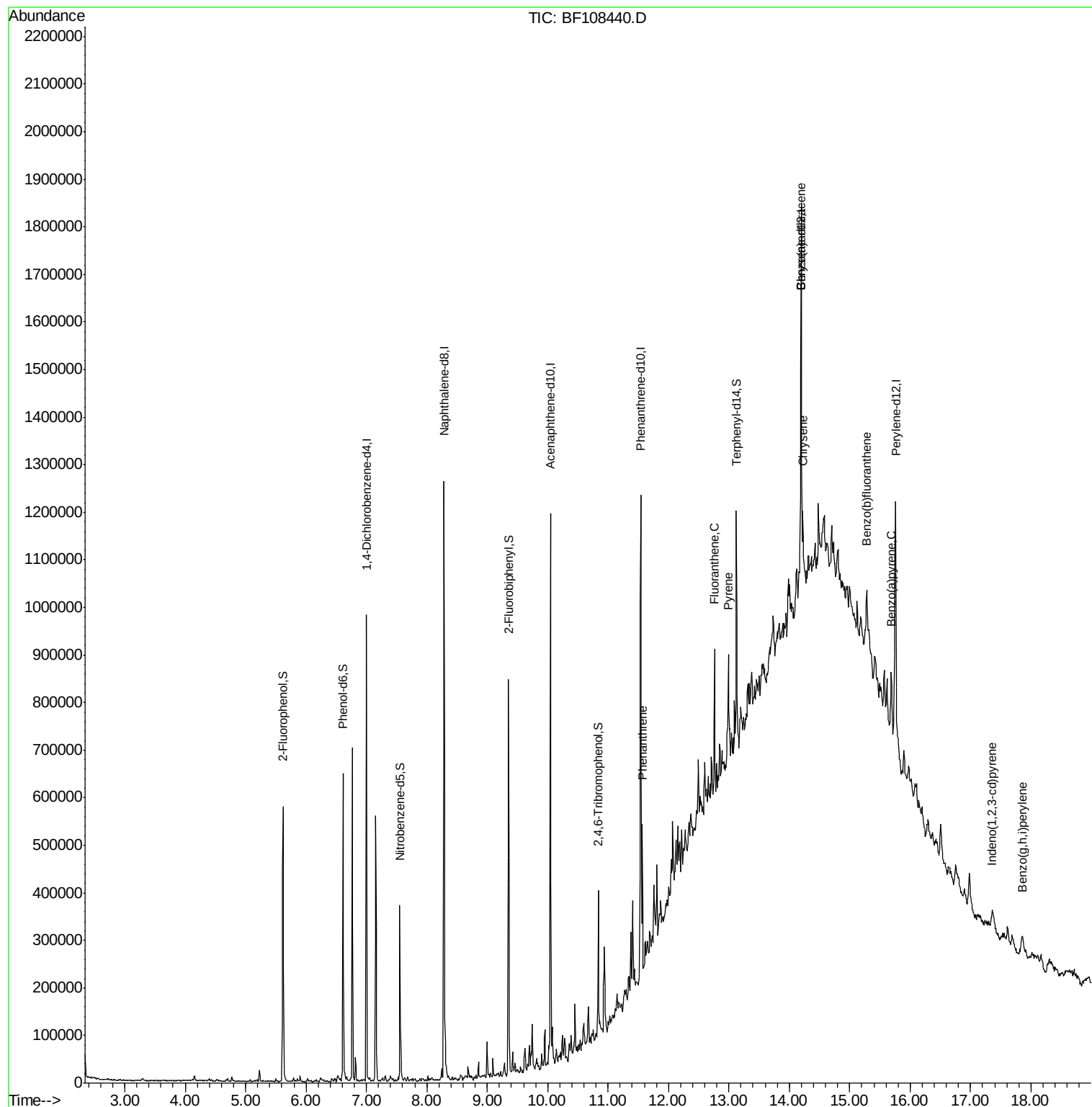
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108440.D
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Sample : J4535-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

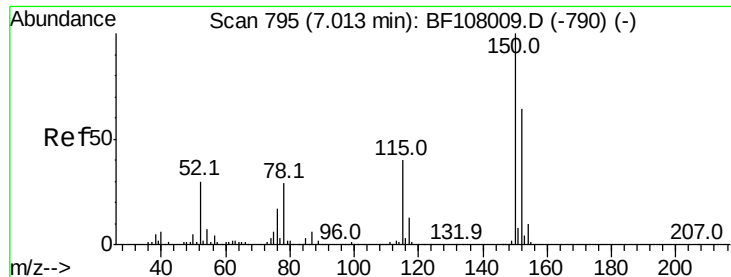
Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

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#1

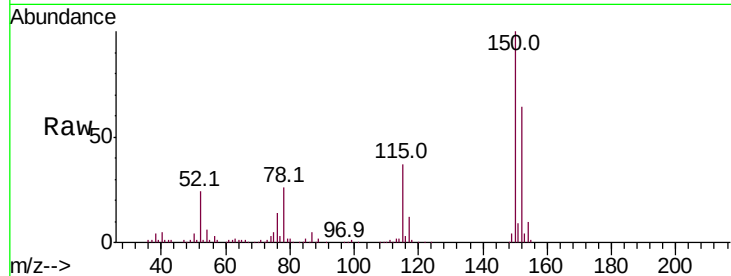
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	57.5	50.1	75.1

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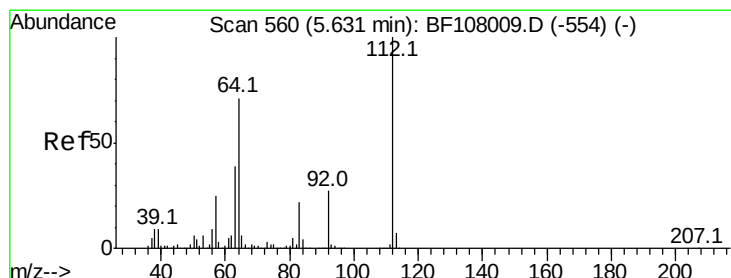
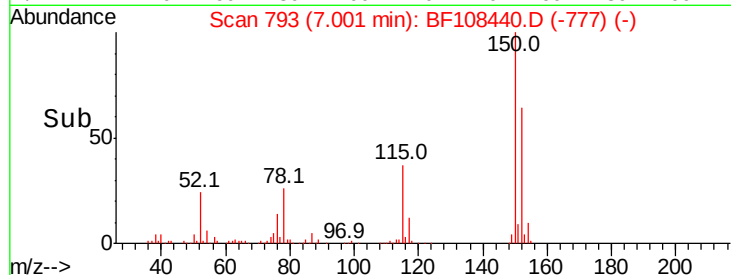
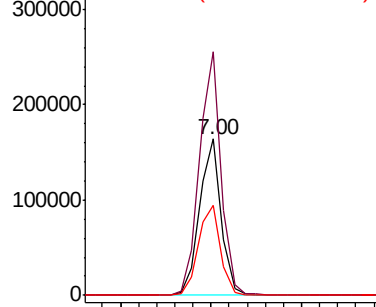


Abundance

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: 18.987 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

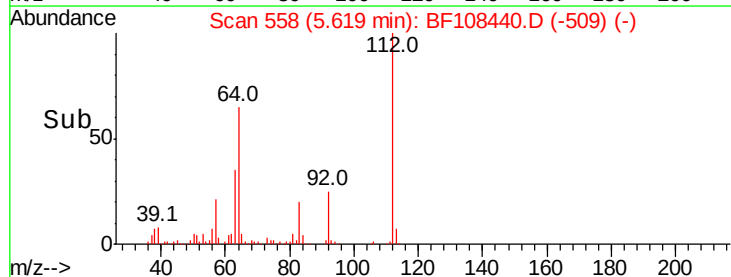
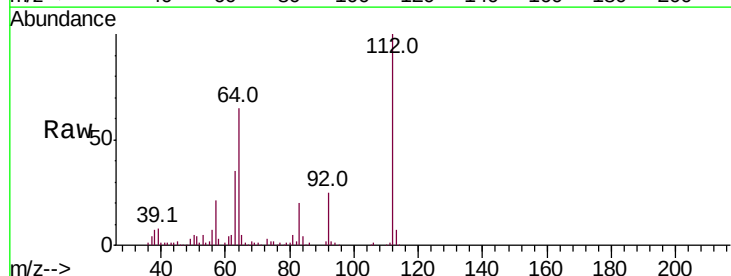
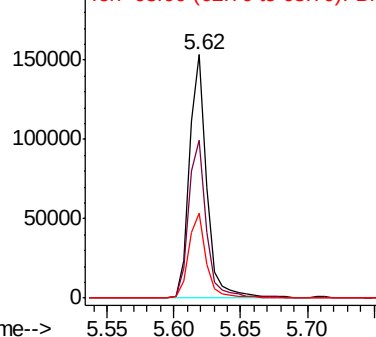
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	47.9	71.9
63	34.6	23.7	35.5

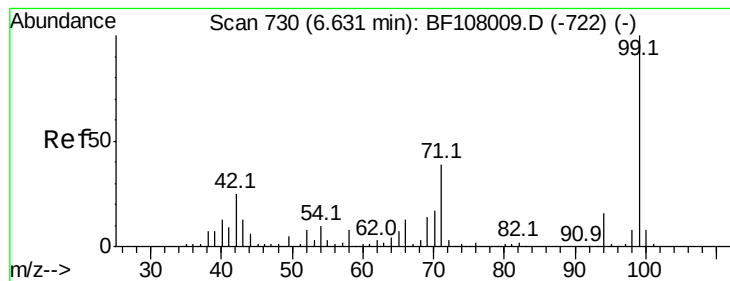
Abundance

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: 19.720 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

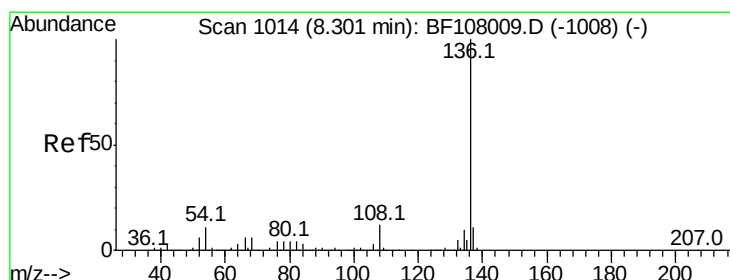
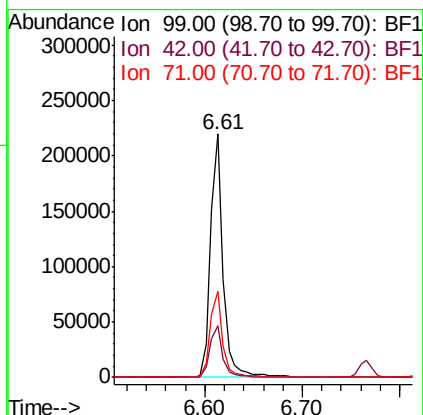
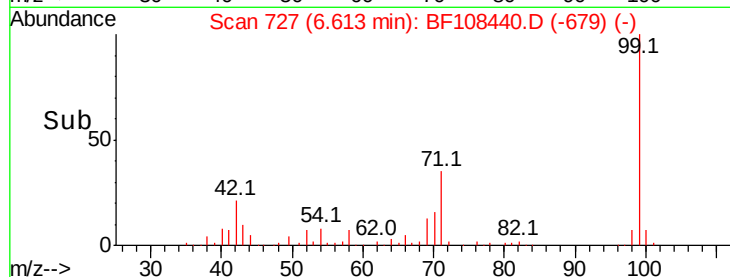
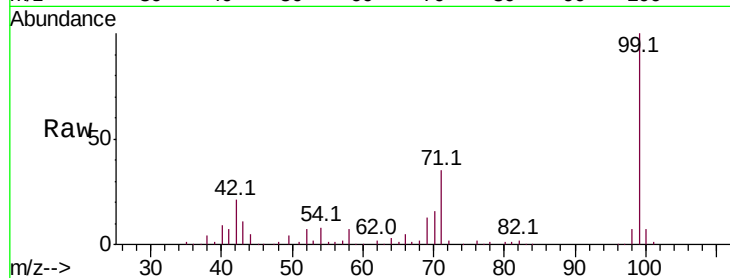
ClientSampleId :

RA-081618-ESW-15-037

Tot Ion:	99	Resp:	195991
Ion Ratio	Lower	Upper	
99	100		
42	21.4	14.5	21.7
71	35.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

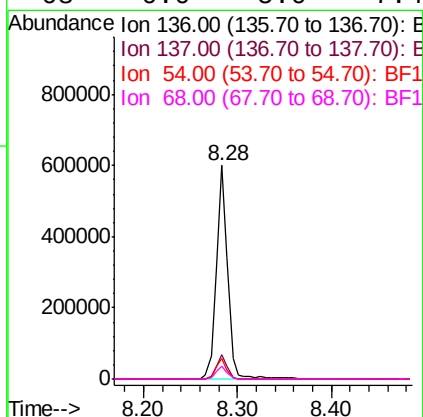
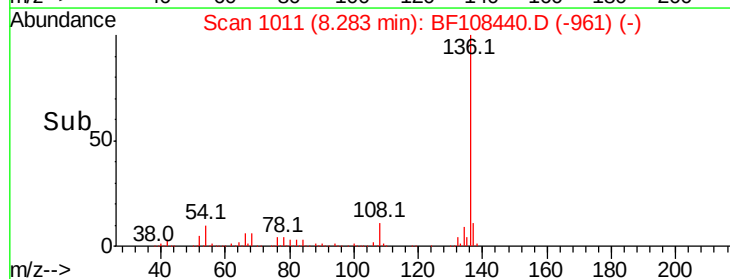
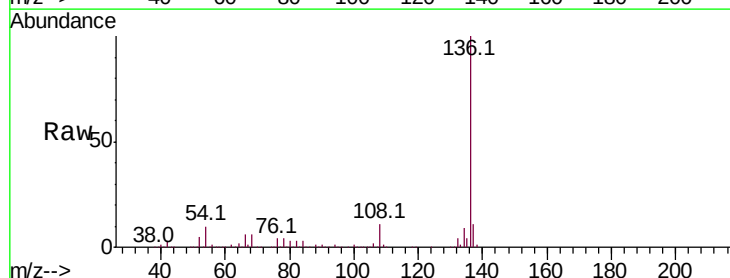
RT: 8.28 min Scan# 1011

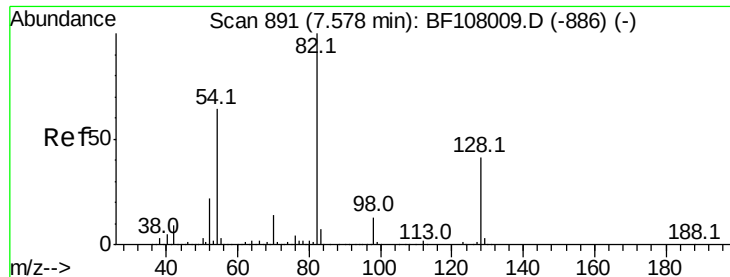
Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Tgt Ion:	136	Resp:	515438
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.7	6.6	9.8
68	6.0	5.0	7.4





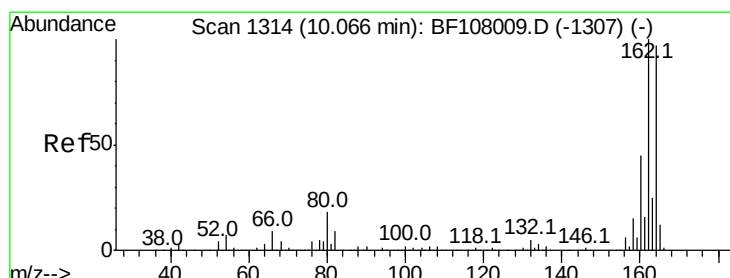
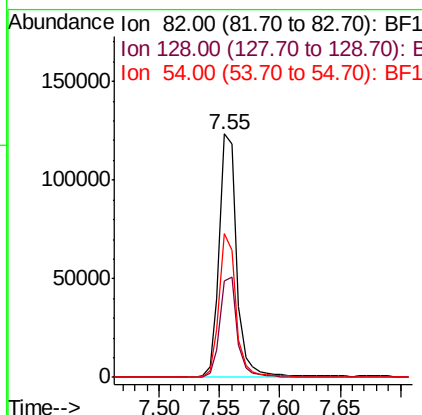
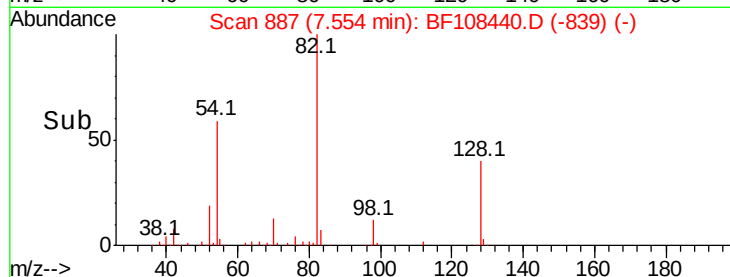
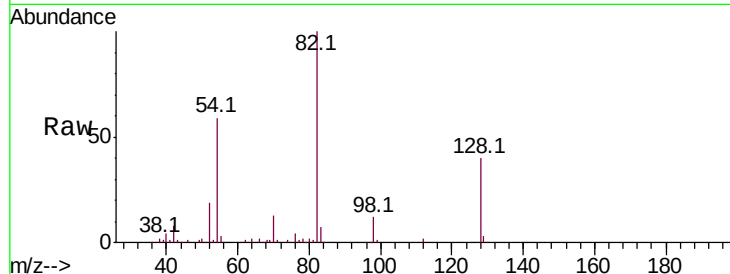
#23
 Nitrobenzene-d5
 Concen: 13.469 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	36.1	54.1
54	59.1	41.4	62.2

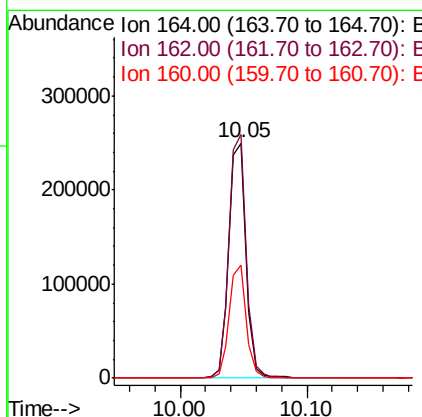
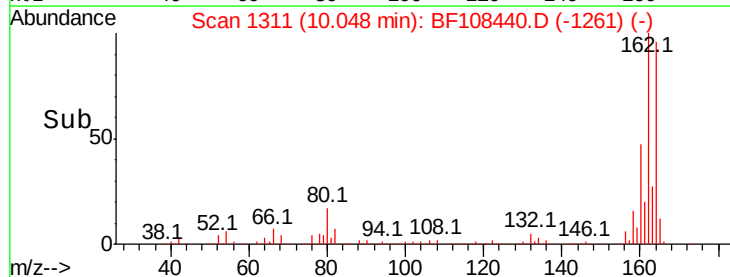
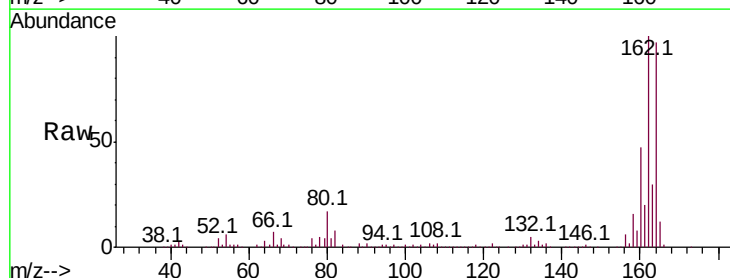
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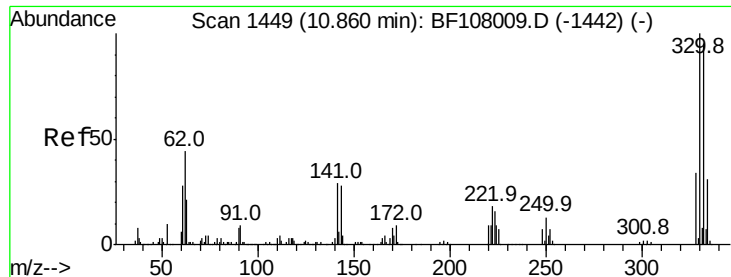
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	48.2	38.3	57.5





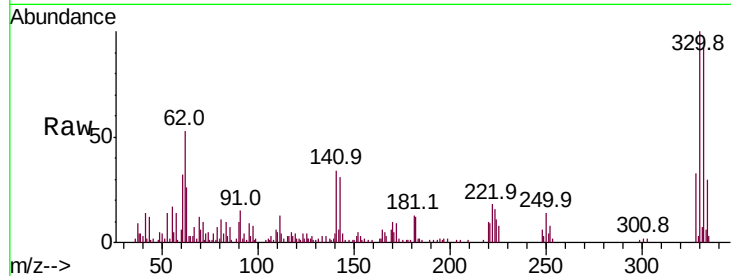
#41
 2,4,6-Tribromophenol
 Concen: 15.245 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.5	77.0	115.6	
141	36.0	29.9	44.9	

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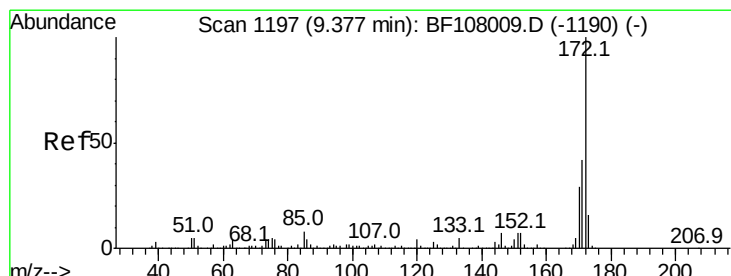
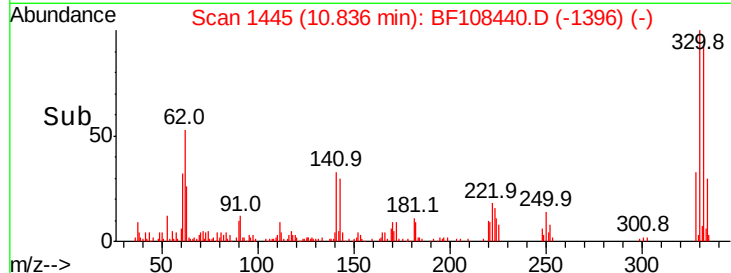
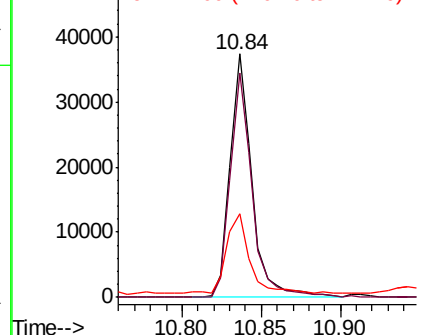


Abundance

Ion 329.80 (329.50 to 330.50): E

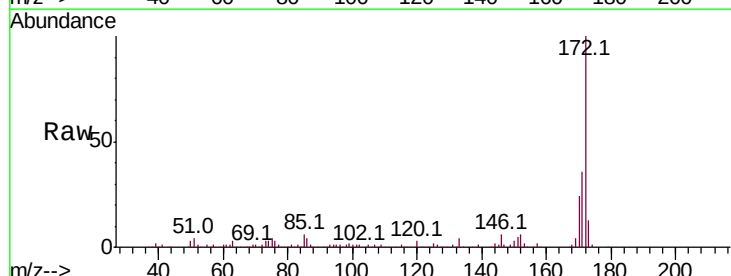
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 16.106 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	23.9	19.6	29.4	

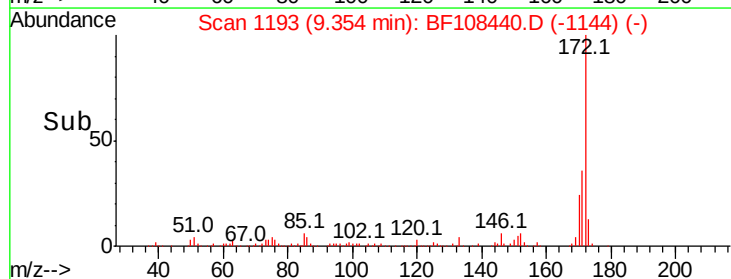
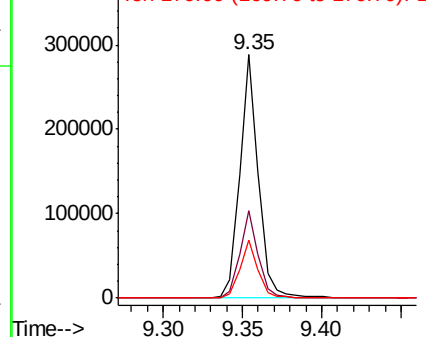


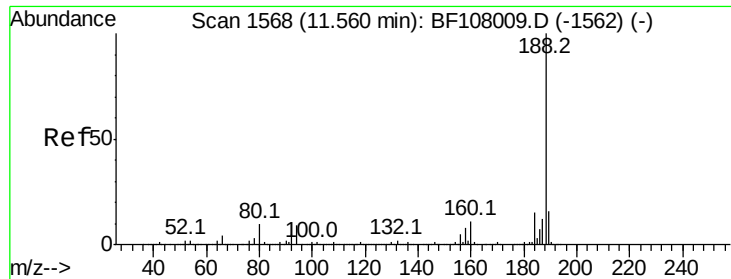
Abundance

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





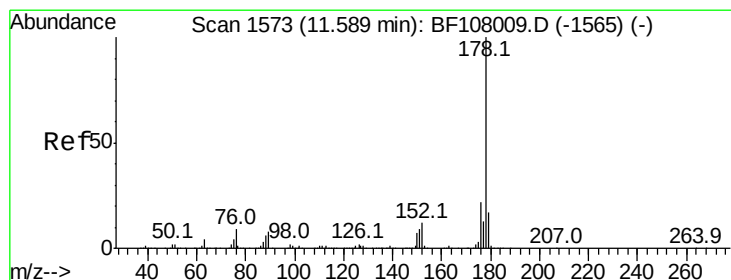
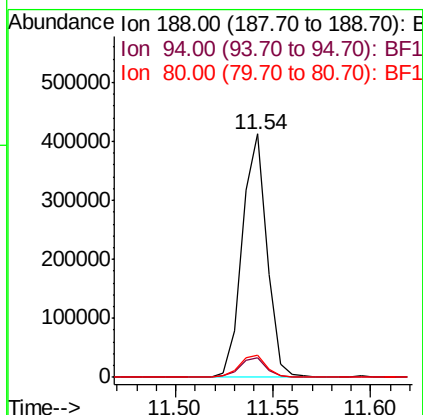
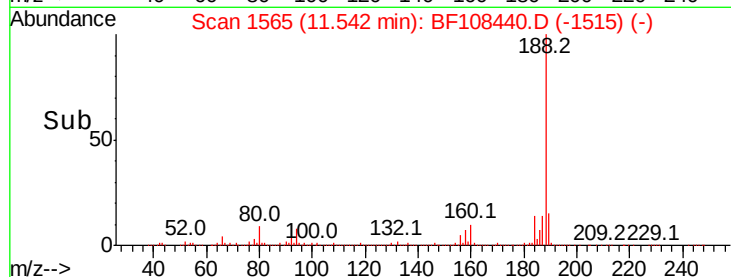
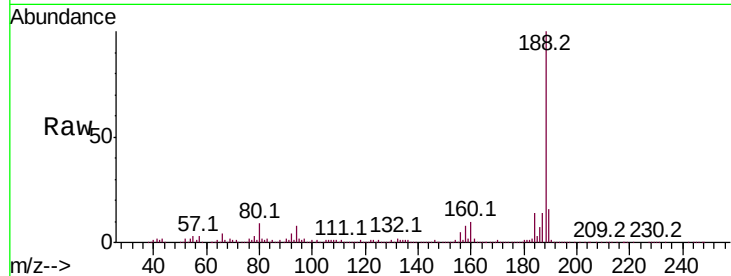
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.1	9.2	13.8#

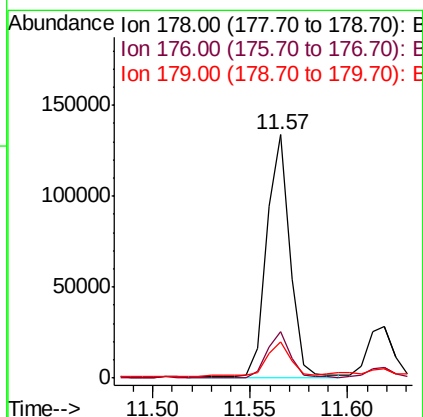
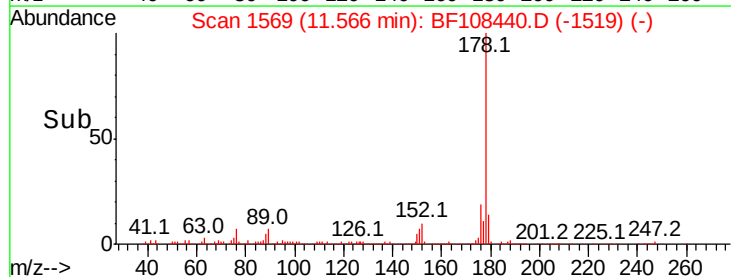
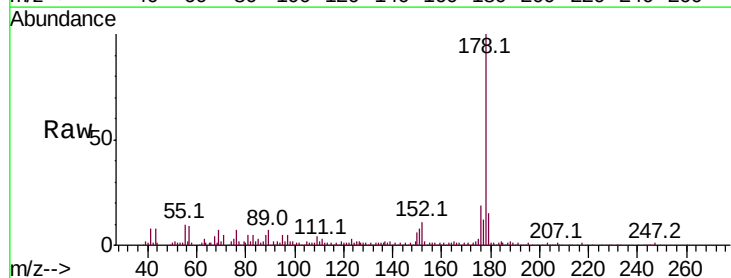
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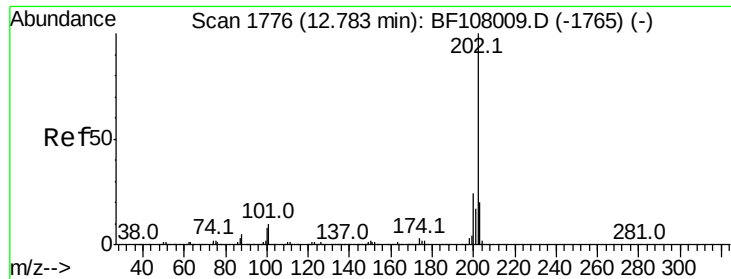
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#70
Phenanthrene
Concen: 6.443 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.9	13.0	19.6





#74

Fluoranthene

Concen: 6.133 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

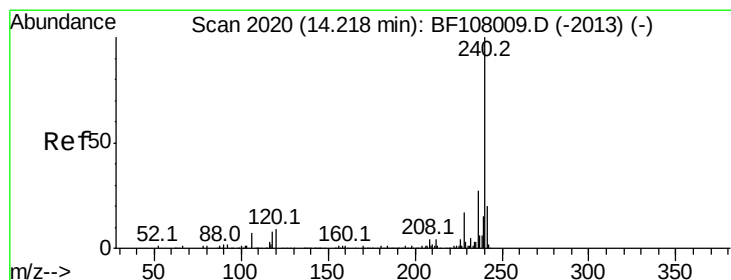
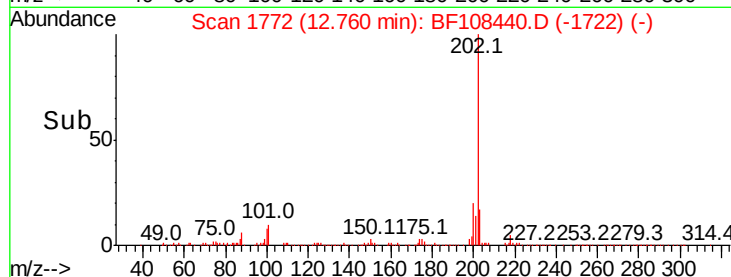
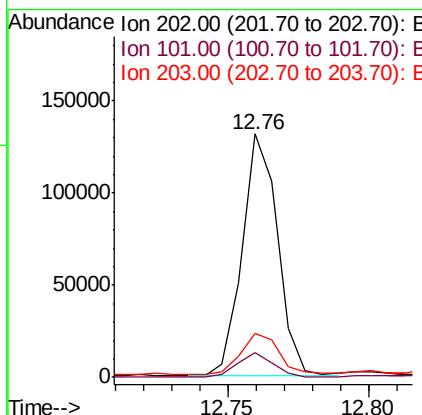
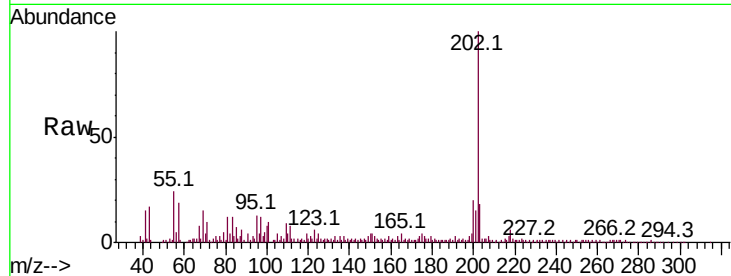
ClientSampleId :

RA-081618-ESW-15-037

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.9	0.0	34.1	
203	18.2	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

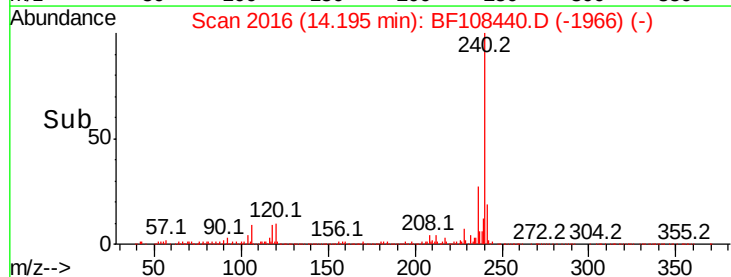
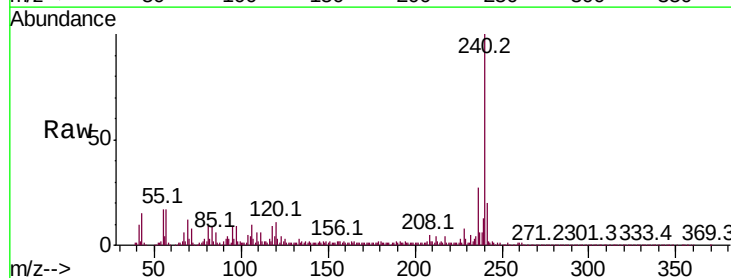
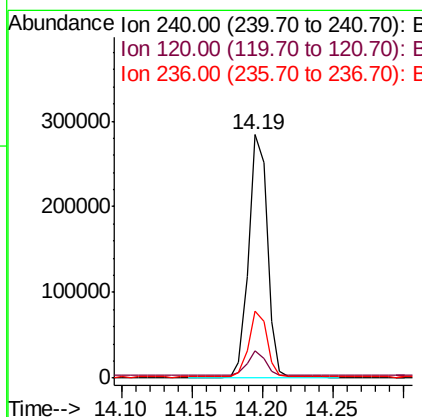
RT: 14.19 min Scan# 2016

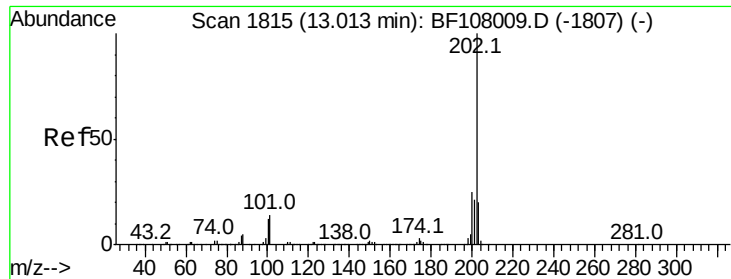
Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.3	9.5	14.3	
236	27.4	20.7	31.1	





#77

Pvrene

Concen: 6.106 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

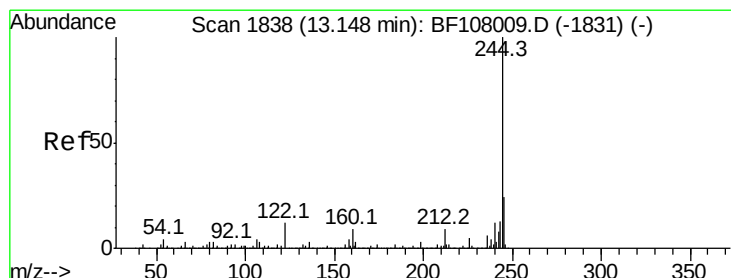
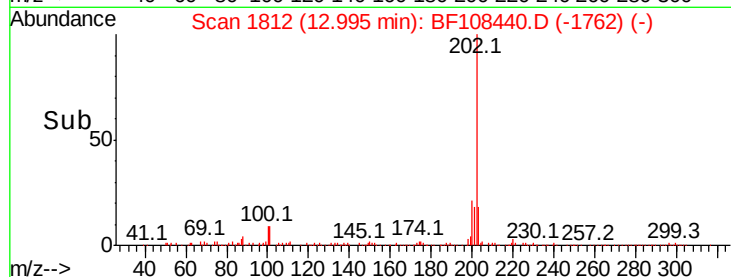
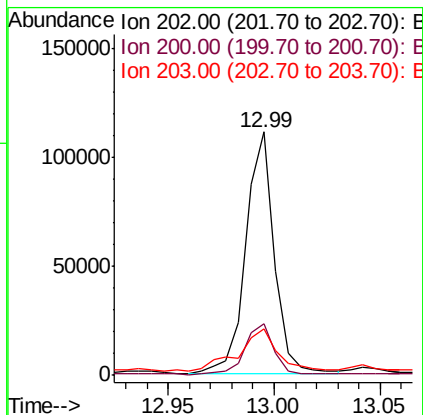
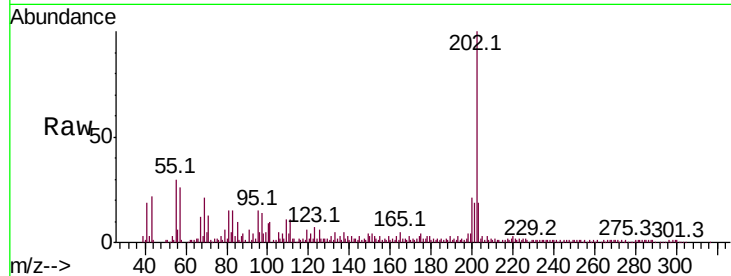
ClientSampleId :

RA-081618-ESW-15-037

Tot Ion:	202	Resp:	102651
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	19.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 14.933 ng

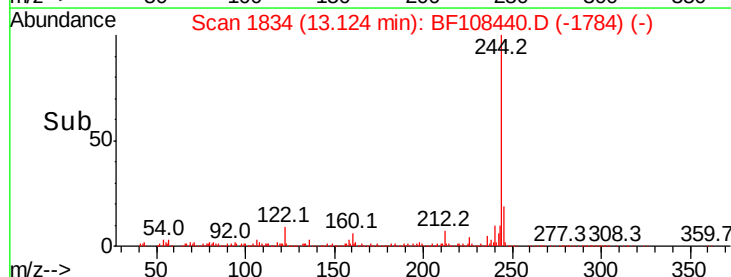
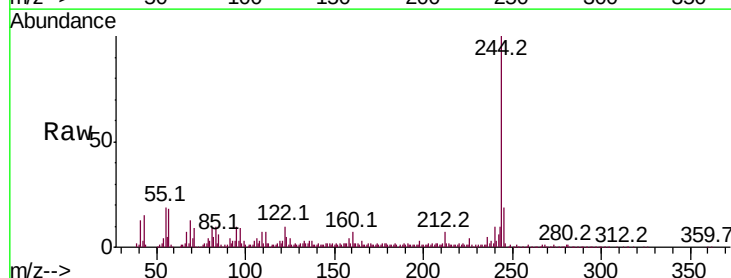
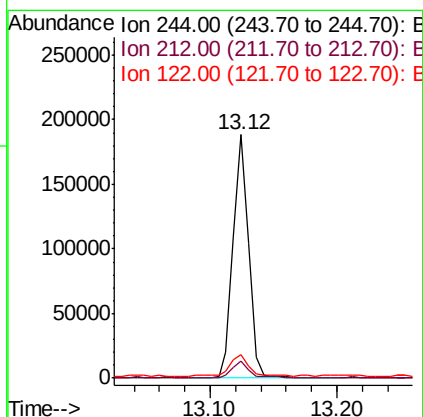
RT: 13.12 min Scan# 1834

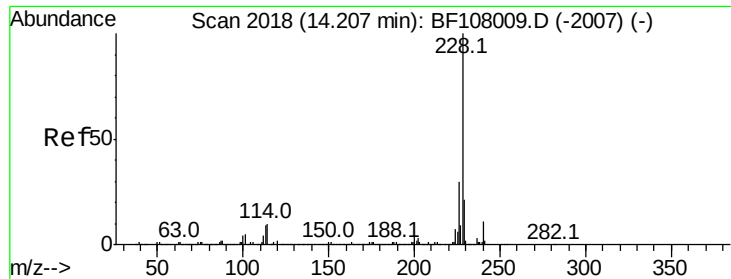
Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Tgt Ion:	244	Resp:	155956
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.6	11.0	16.4#





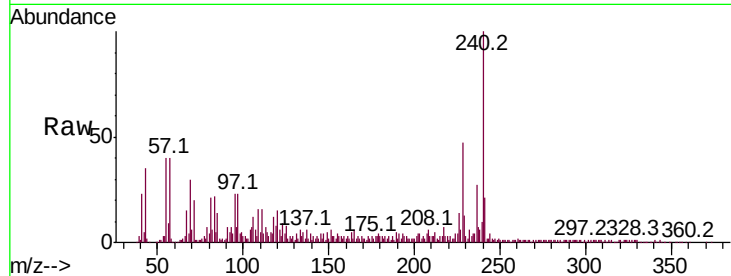
#80
Benzo(a)anthracene
Concen: 3.901 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	27.1	15.8	23.6

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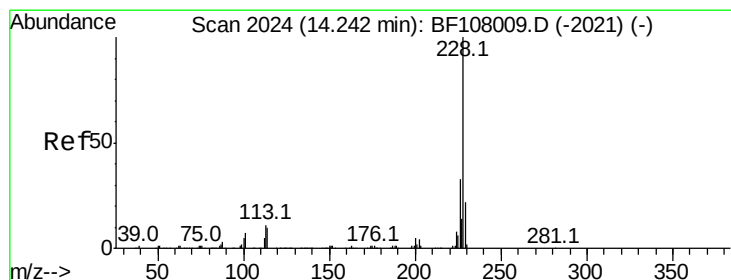
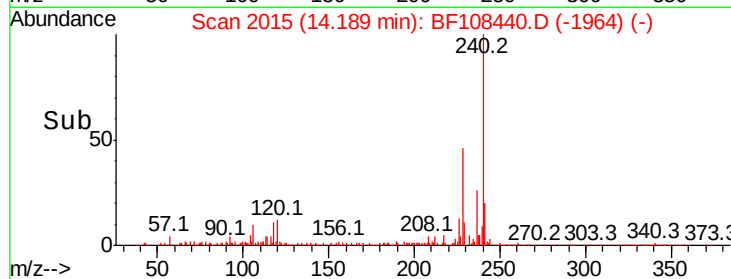
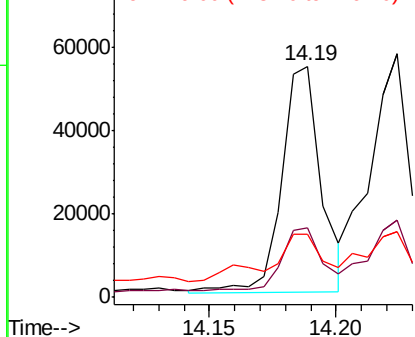


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 4.561 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

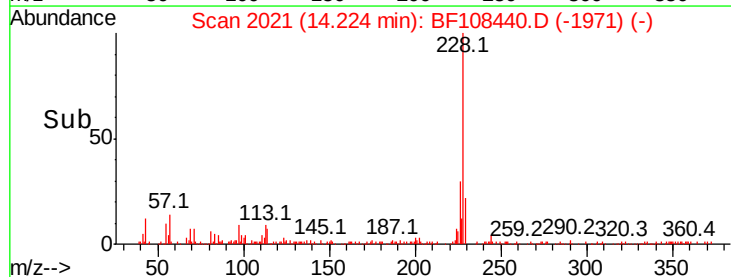
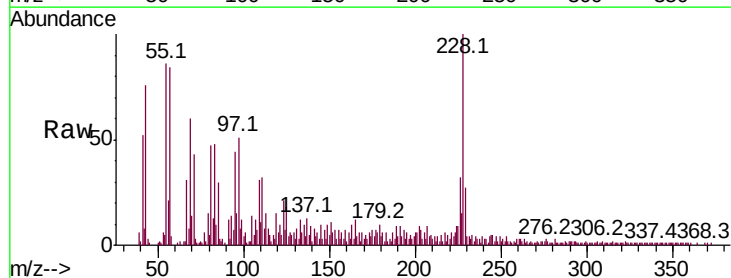
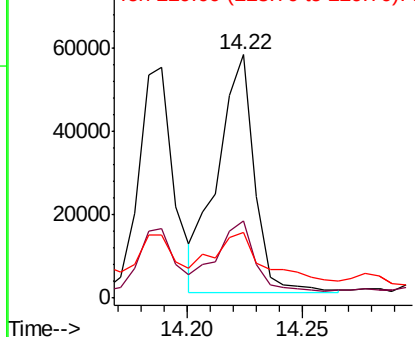
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	27.1	16.2	24.4

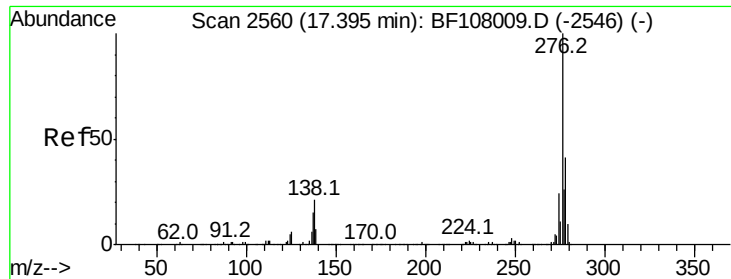
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





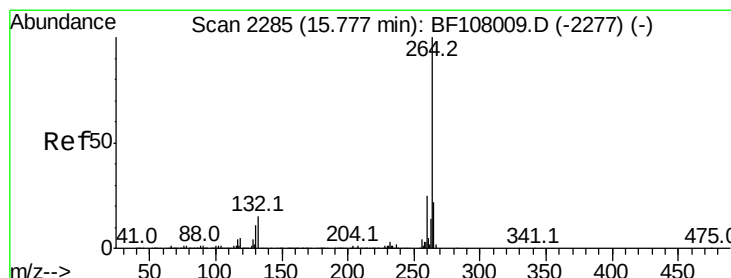
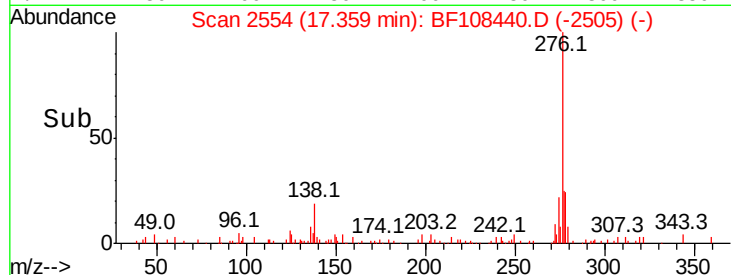
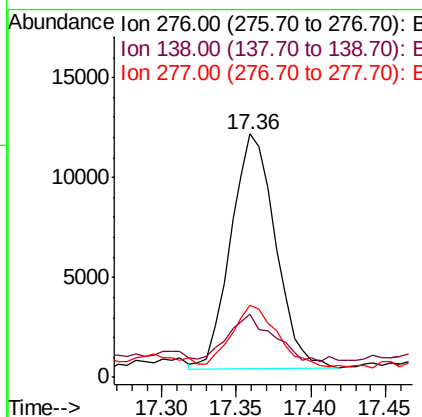
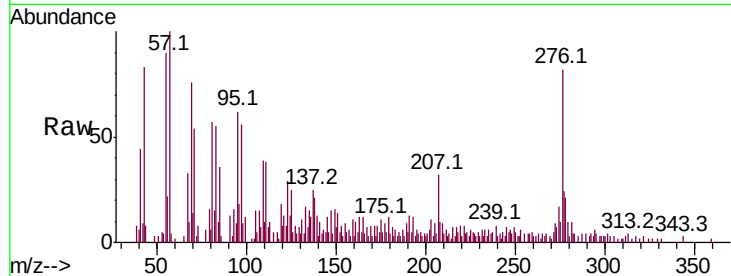
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.018 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.0	37.6#
277	26.1	20.1	30.1

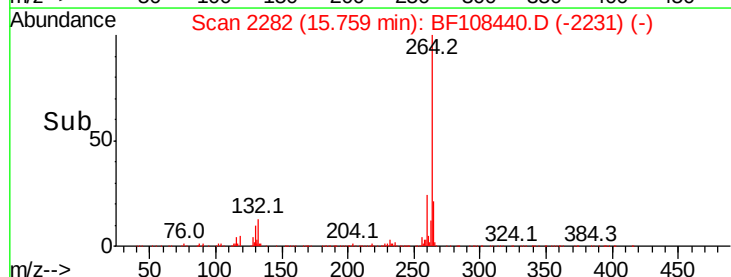
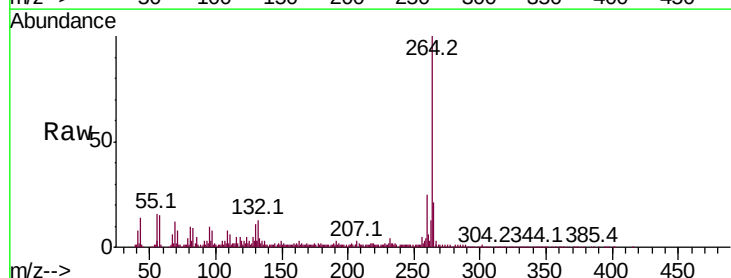
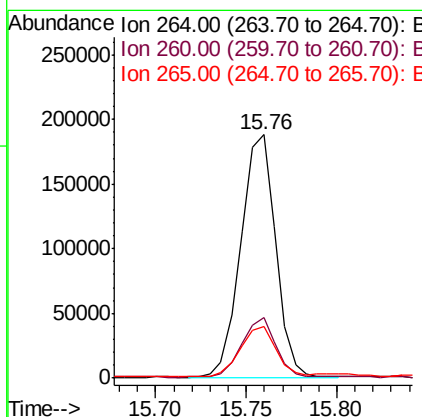
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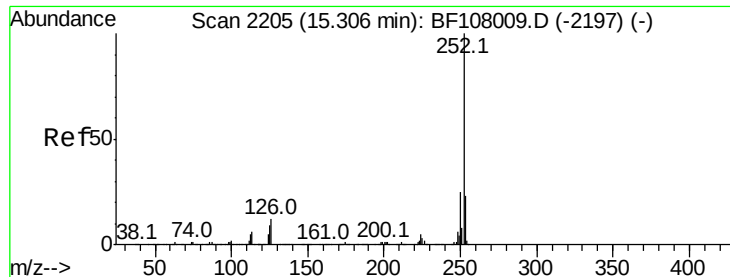
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.030 ng/mL

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

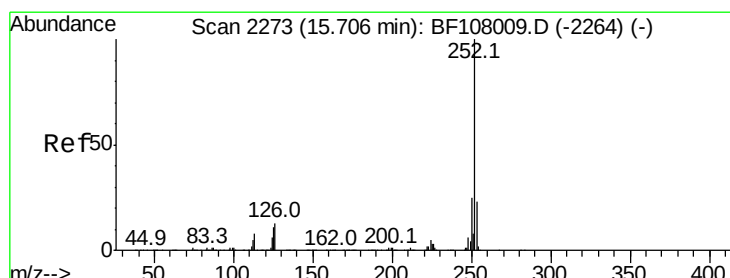
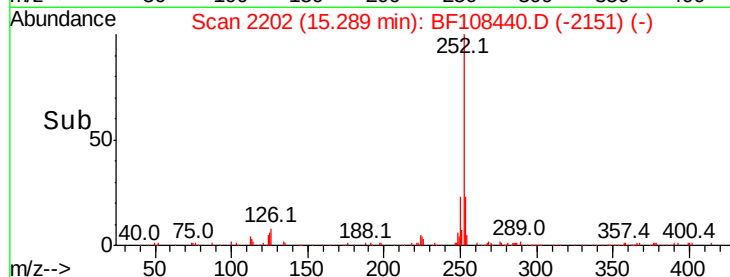
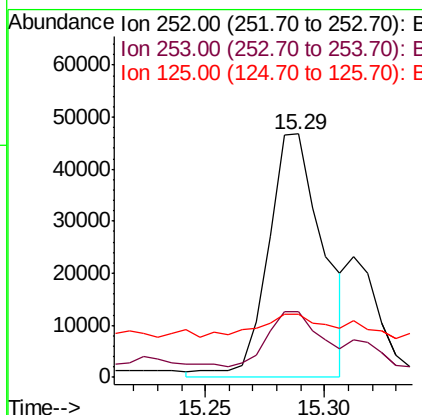
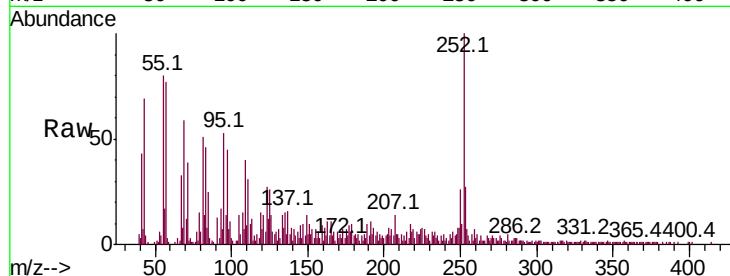
ClientSampleId :

RA-081618-ESW-15-037

Tot Ion:	252	Resp:	75266
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.0	25.6#
125	26.0	9.0	13.6#

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#89

Benzo(a)pyrene

Concen: 3.374 ng/mL

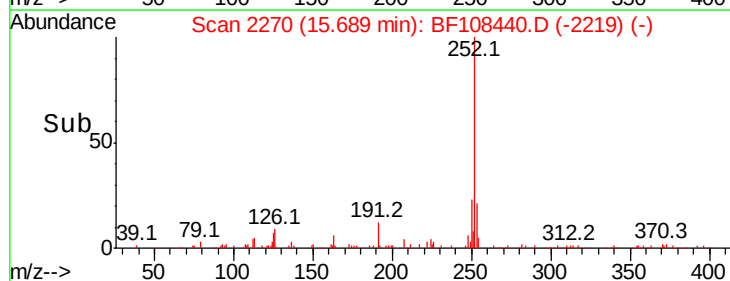
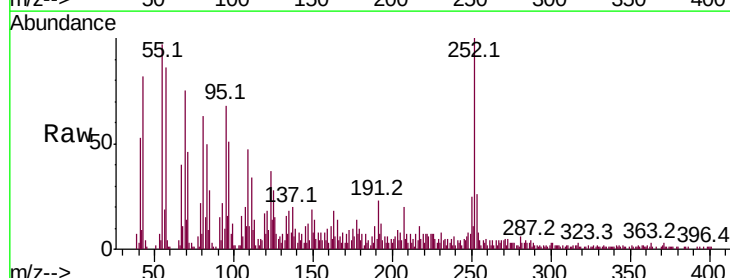
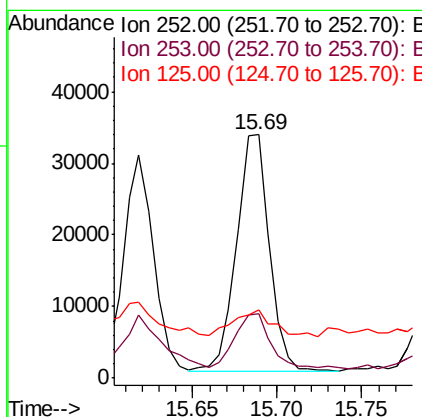
RT: 15.69 min Scan# 2270

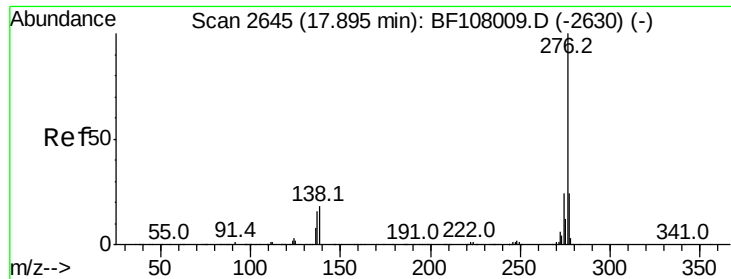
Delta R.T. -0.00 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Tgt Ion:	252	Resp:	45216
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.1	25.7#
125	28.1	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.157 ng
 RT: 17.85 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.4	17.9	26.9#
138	24.6	21.8	32.8

Manual Integrations
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