

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109045.D
 Acq On : 17 Sep 2018 13:51
 Operator : JU/SJ
 Sample : J4773-01 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Manual Integrations
 APPROVED

Sohil
 9/18/2018 6:00:00 PM

Quant Time: Sep 17 16:53:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125433	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	430434	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	187458	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	375351	20.00	ng	0.00
75) Chrysene-d12	13.85	240	392713	20.00	ng	0.00
86) Perylene-d12	15.26	264	352867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	132393	17.53	ng	0.00
7) Phenol-d6	6.34	99	162012	16.64	ng	-0.02
23) Nitrobenzene-d5	7.27	82	93524	12.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	32821	16.13	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	157968	13.20	ng	0.00
78) Terphenyl-d14	12.81	244	179722	10.85	ng	0.00
Target Compounds						
70) Phenanthrene	11.25	178	150167	8.161	ng	99
71) Anthracene	11.30	178	45994	2.466	ng	97
74) Fluoranthene	12.43	202	304784	15.691	ng	99
77) Pyrene	12.66	202	271116	9.294	ng	99
80) Benzo(a)anthracene	13.84	228	181036	7.614	ng	95
82) Chrysene	13.88	228	146390	6.154	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	47903m	2.519	ng	
87) Benzo(b)fluoranthene	14.86	252	173706m	8.898	ng	
88) Benzo(k)fluoranthene	14.88	252	48224m	2.645	ng	
89) Benzo(a)pyrene	15.19	252	106943	6.169	ng	99
91) Benzo(g,h,i)perylene	17.01	276	41888	2.877	ng	# 90

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

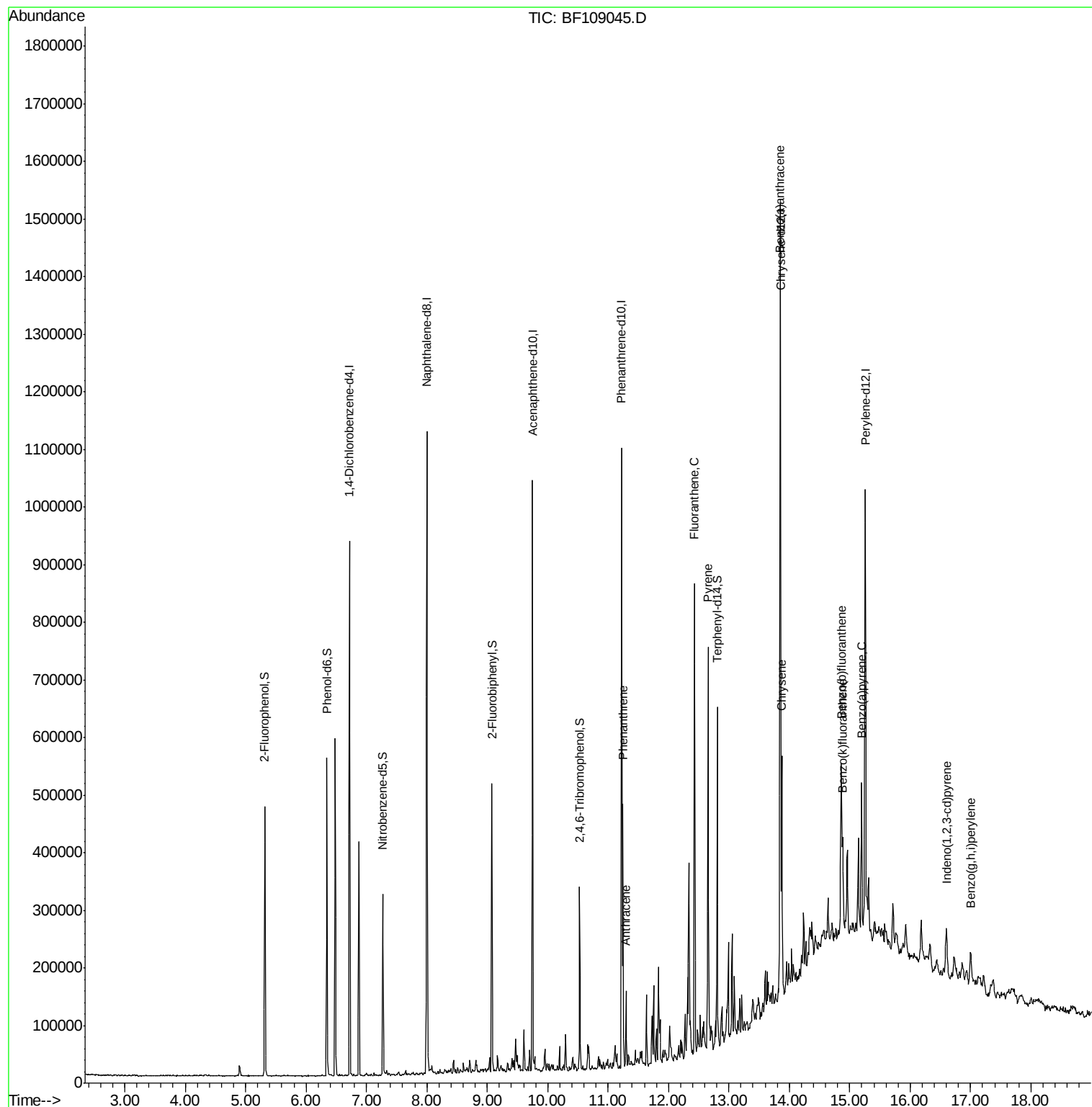
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109045.D
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CL-01-091418-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

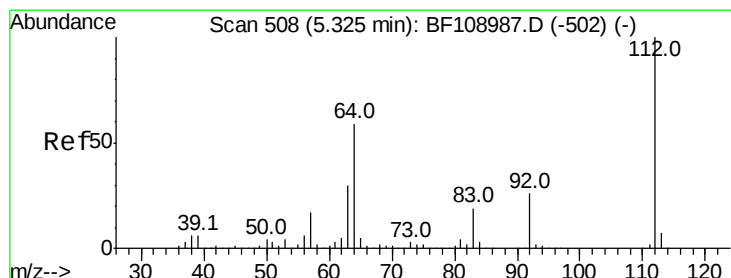
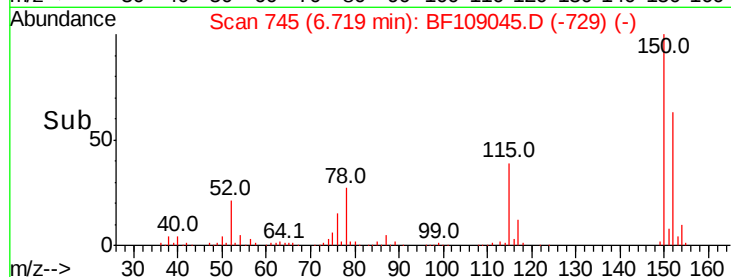
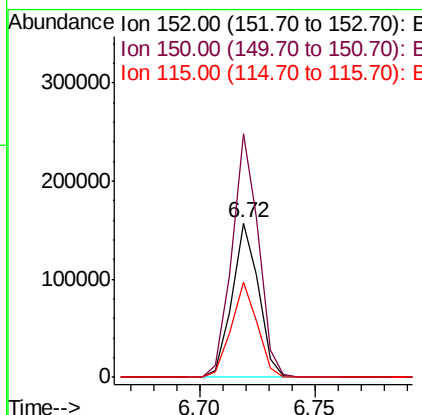
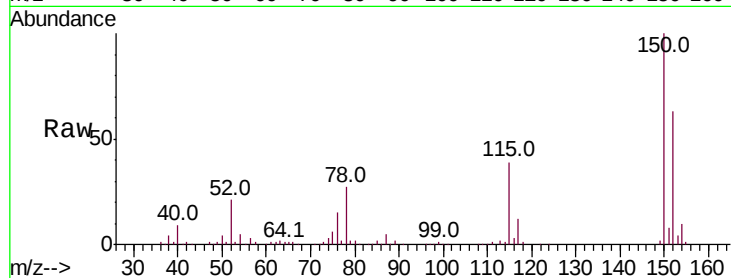
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	61.6	50.1	75.1

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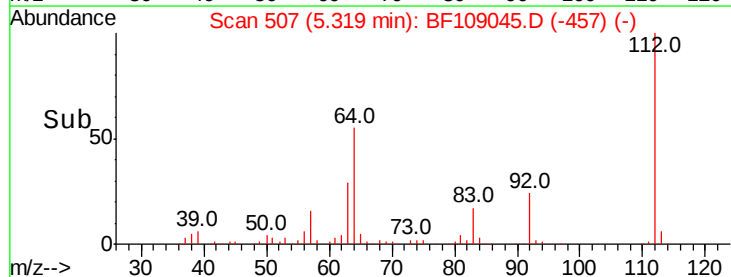
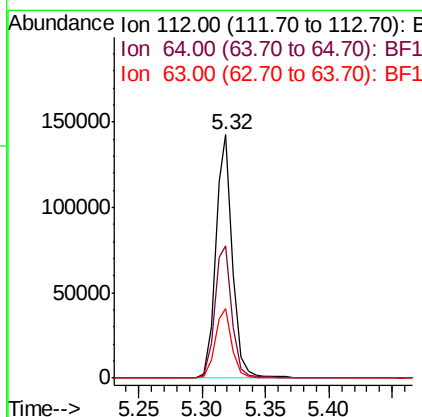
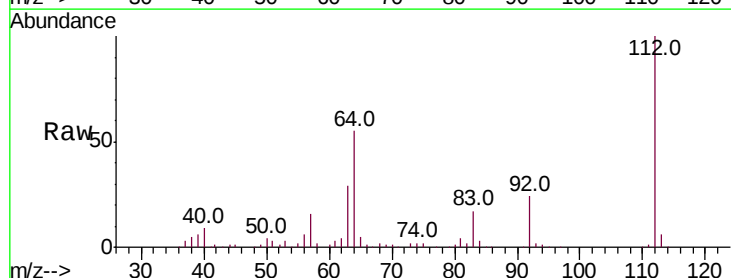
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#5

2-Fluorophenol
Concen: 17.530 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 16.637 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Instrument :

BNA_F

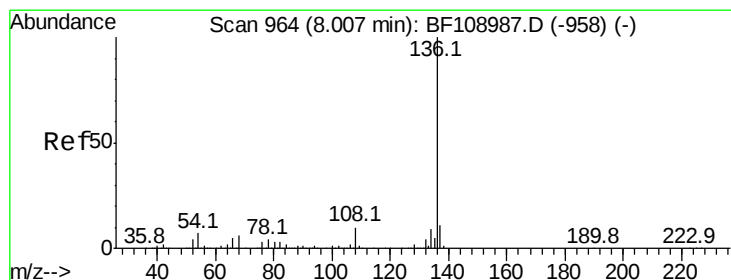
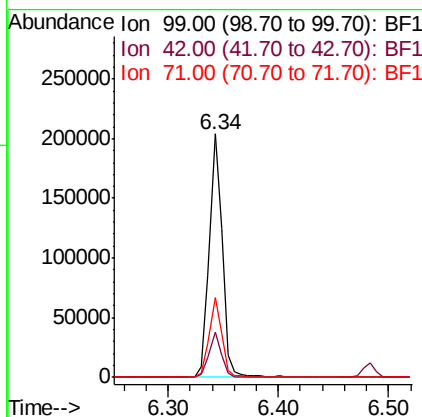
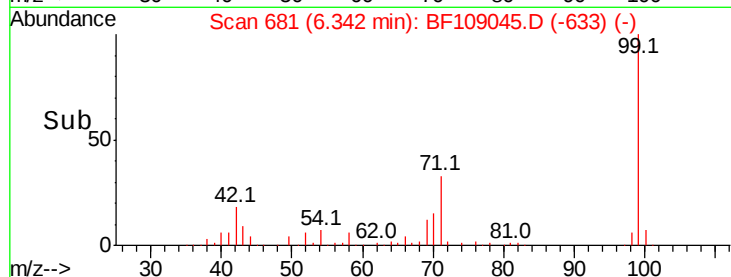
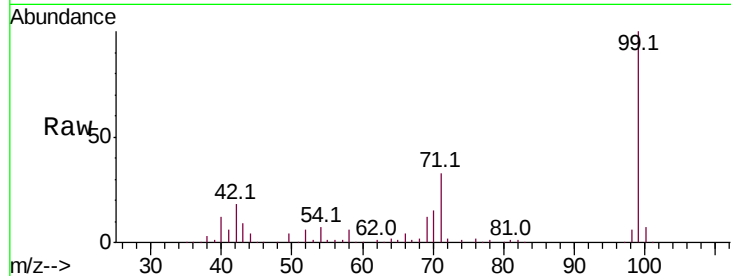
ClientSampleId :

CL-01-091418-A

Tot Ion:	99	Resp:	162012
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

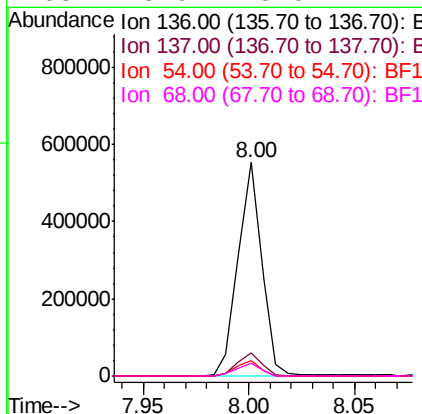
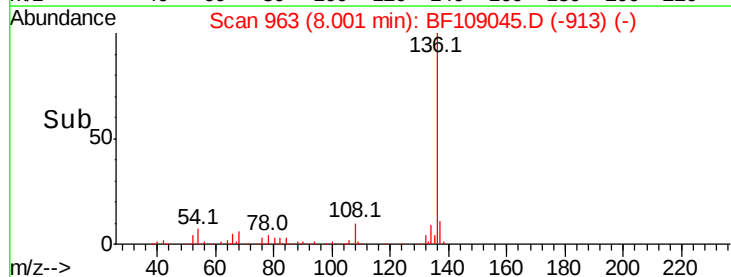
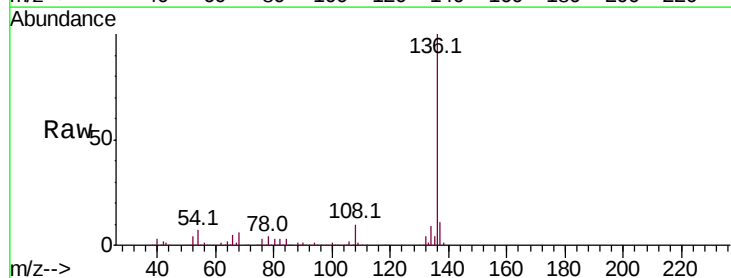
RT: 8.00 min Scan# 963

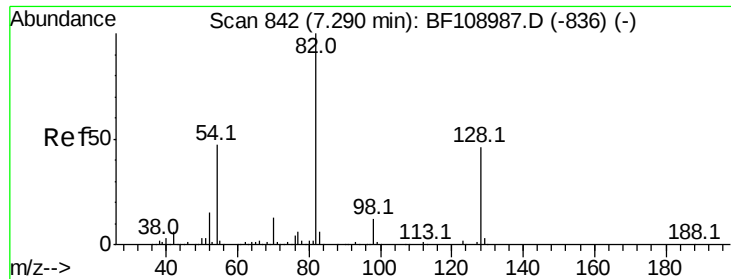
Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Tgt Ion:	136	Resp:	430434
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.2	6.6	9.8
68	5.9	5.0	7.4





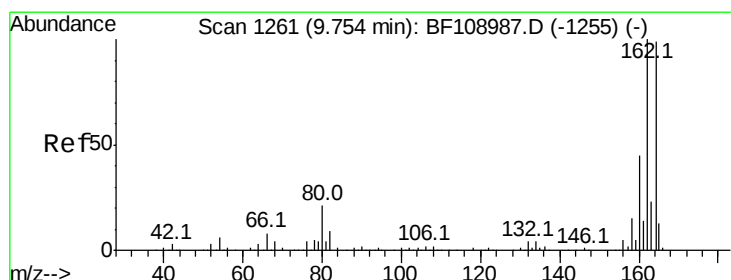
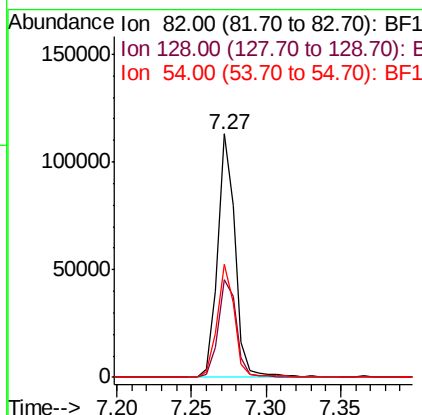
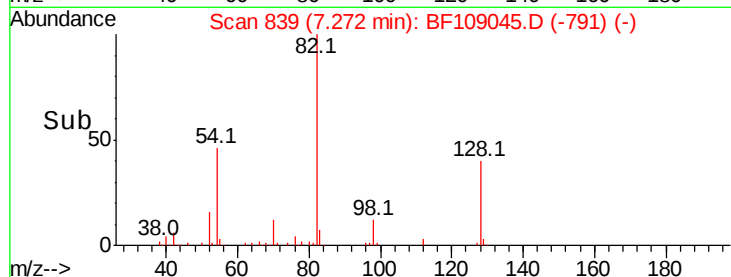
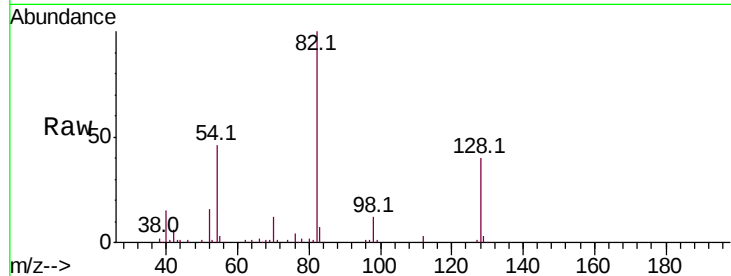
#23
 Nitrobenzene-d5
 Concen: 12.187 ng
 RT: 7.27 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	46.4	41.4	62.2

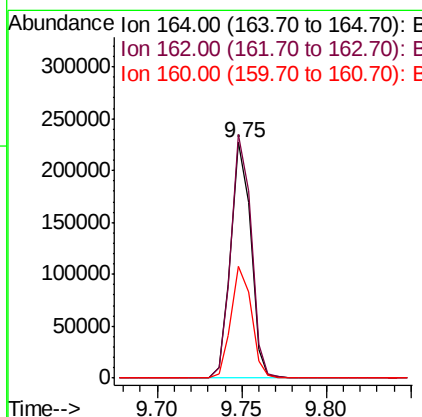
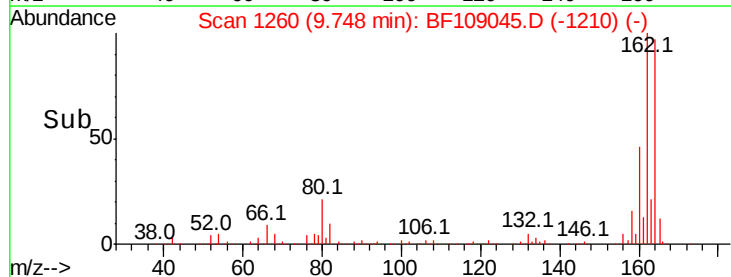
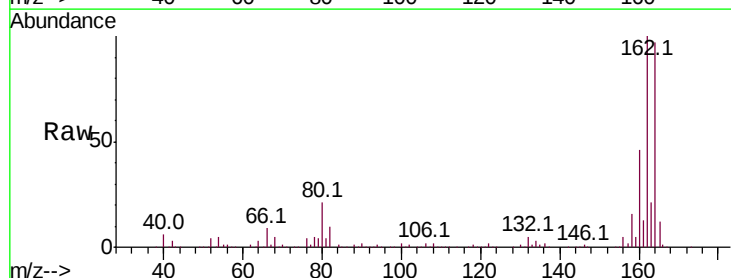
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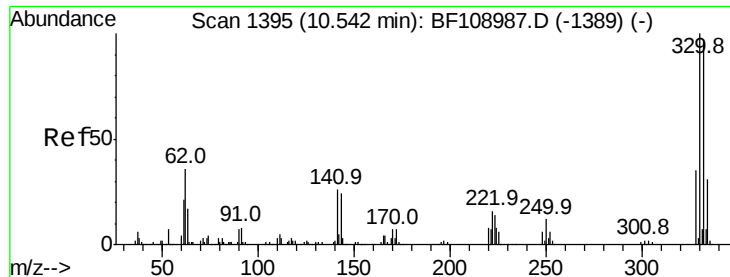
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	47.6	38.3	57.5





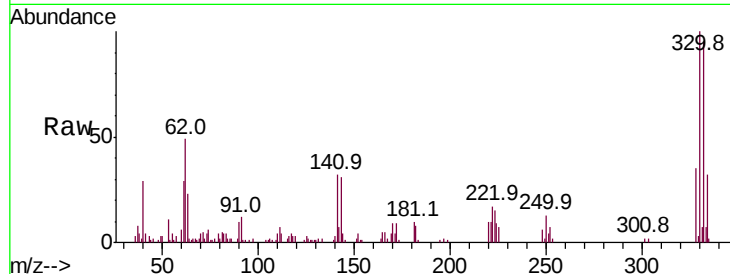
#41
 2,4,6-Tribromophenol
 Concen: 16.133 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	35.3	29.9	44.9	

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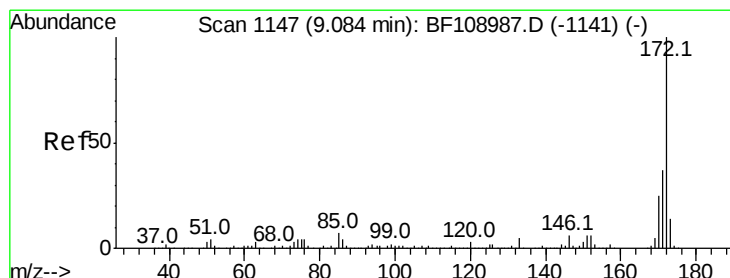
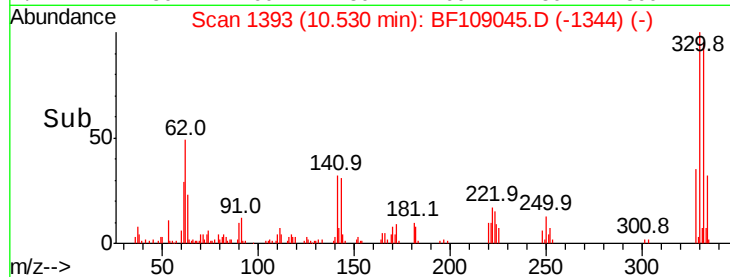
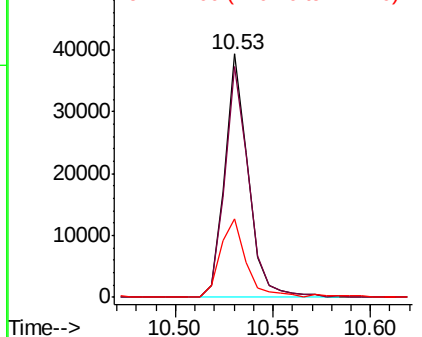


Abundance

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: 13.203 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

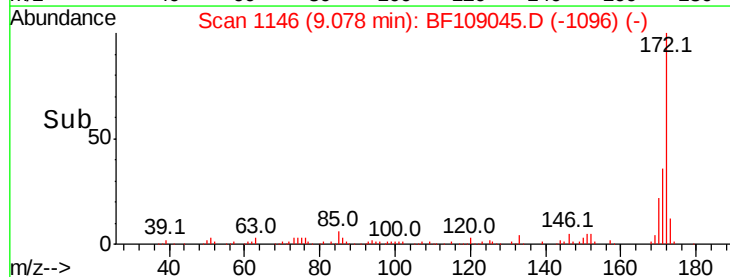
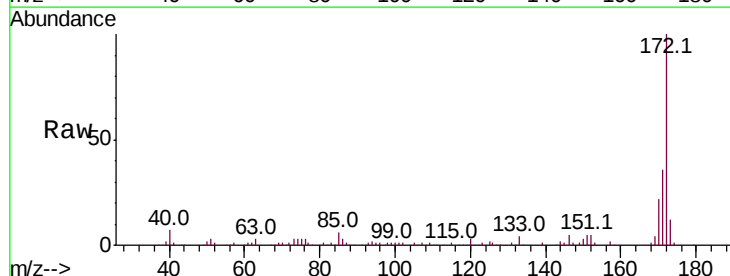
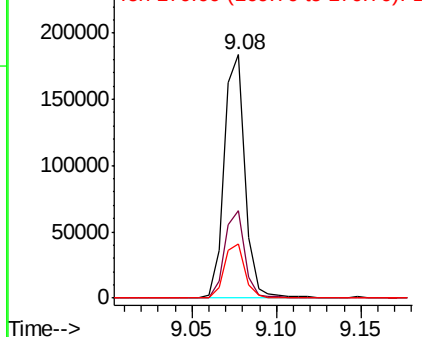
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	22.4	19.6	29.4	

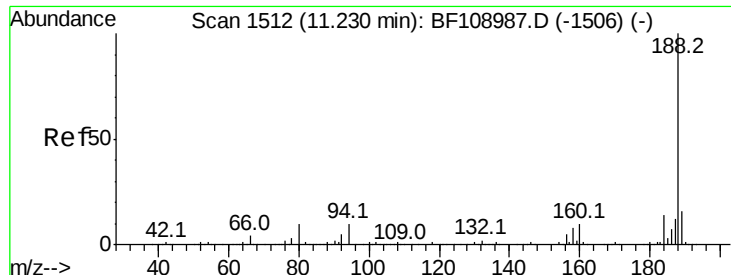
Abundance

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





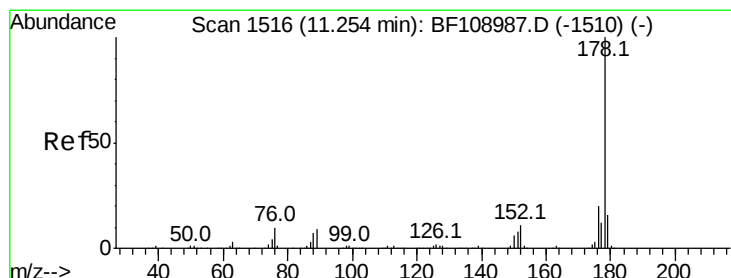
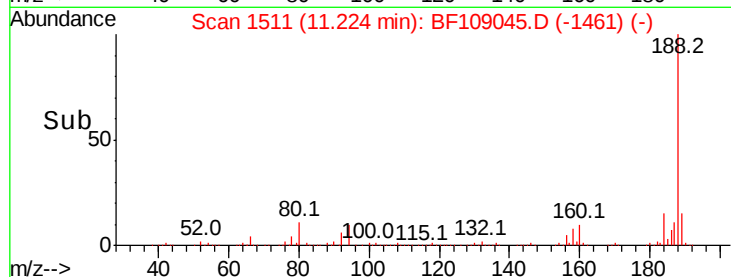
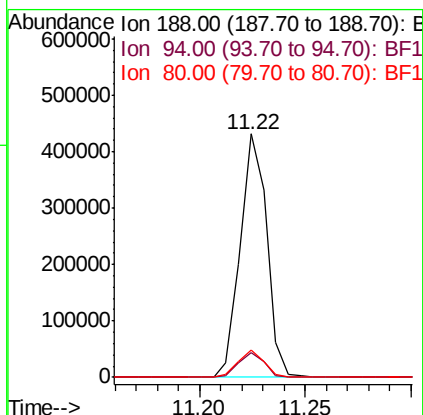
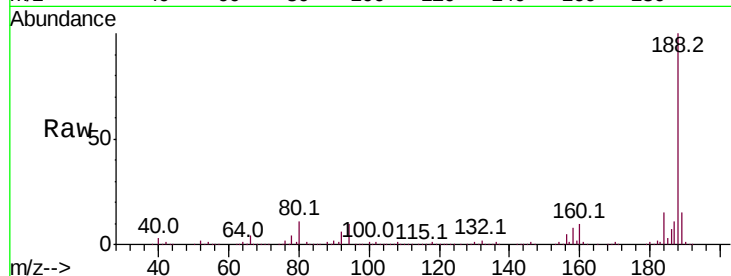
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	375351		
94	10.3		8.5	12.7
80	11.1		9.2	13.8

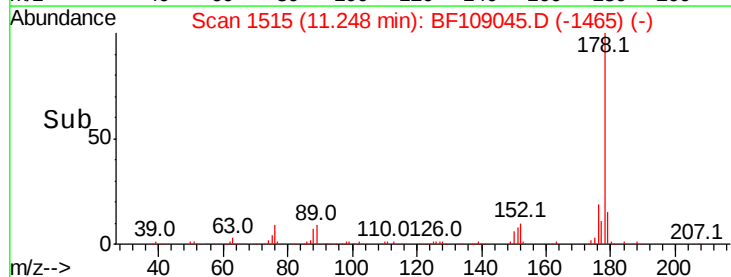
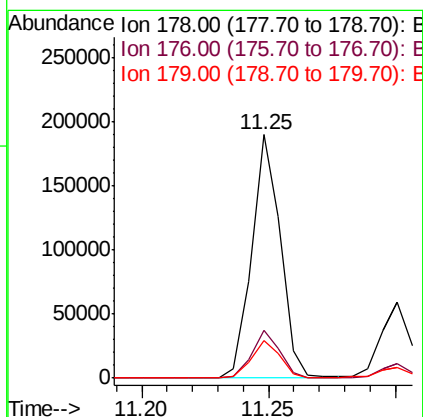
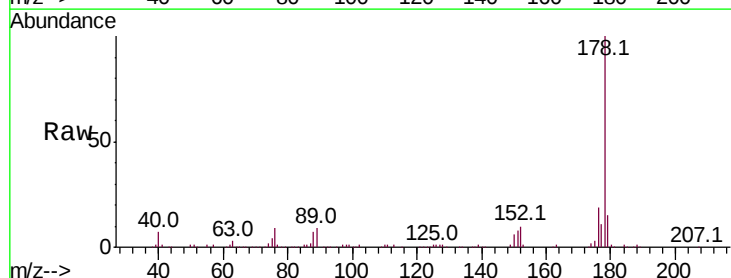
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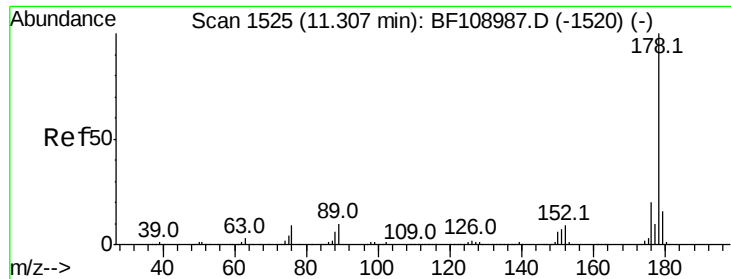
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#70
Phenanthrene
Concen: 8.161 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	150167		
176	19.4		15.8	23.8
179	15.4		13.0	19.6





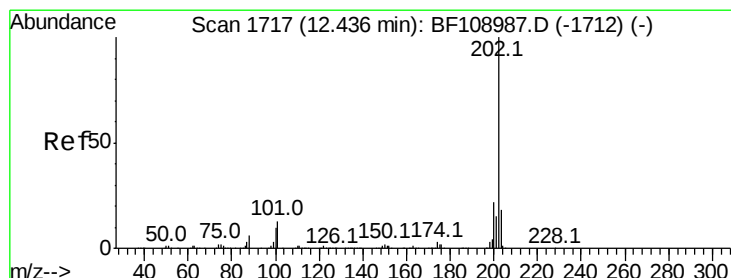
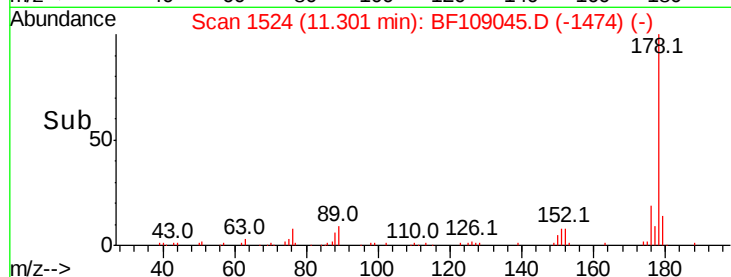
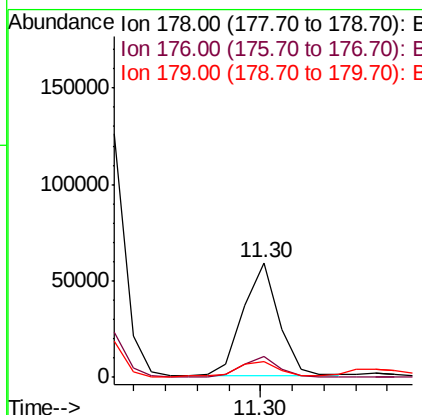
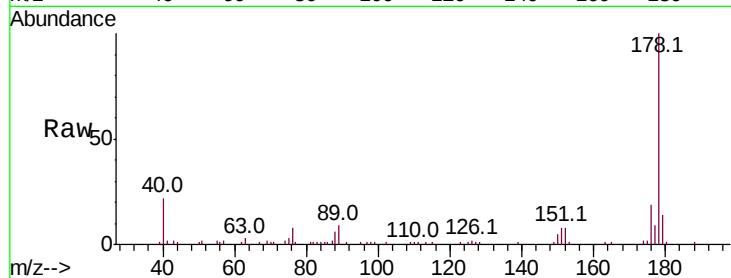
#71
 Anthracene
 Concen: 2.466 ng
 RT: 11.30 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	13.6	12.6	19.0

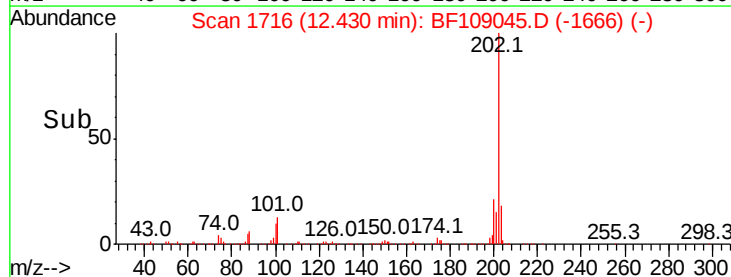
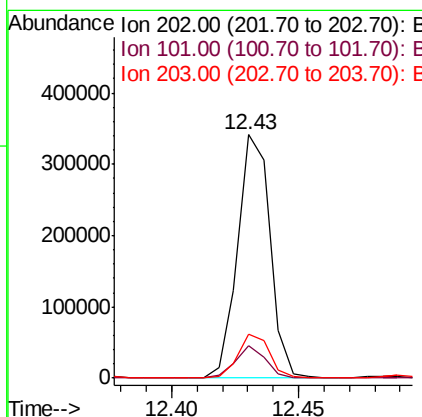
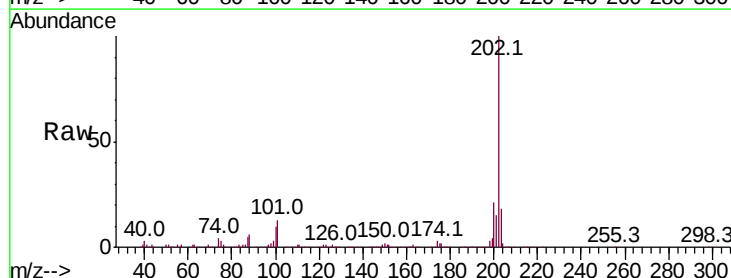
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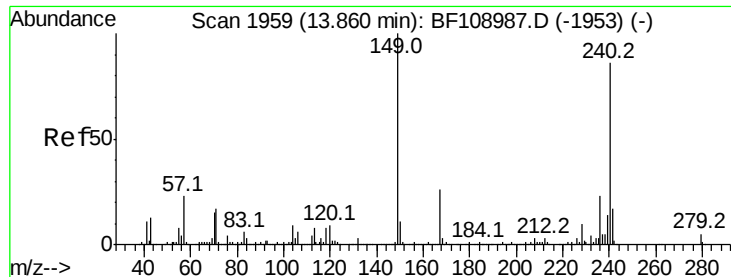
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#74
 Fluoranthene
 Concen: 15.691 ng
 RT: 12.43 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Instrument :

BNA_F

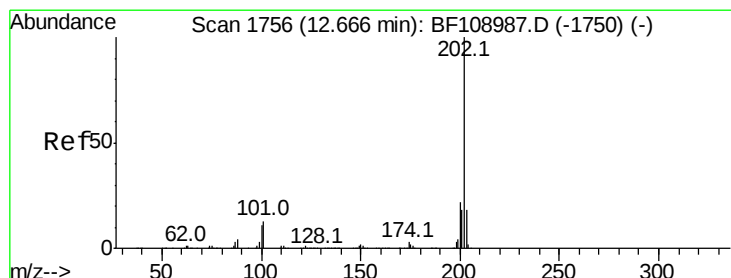
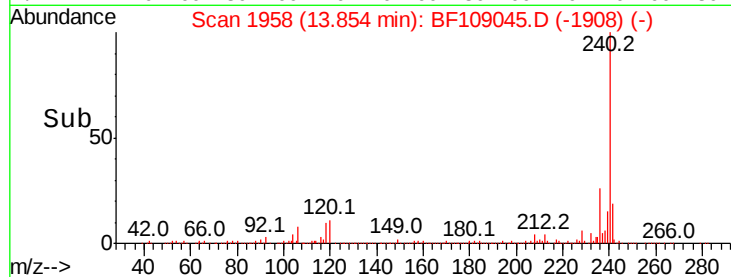
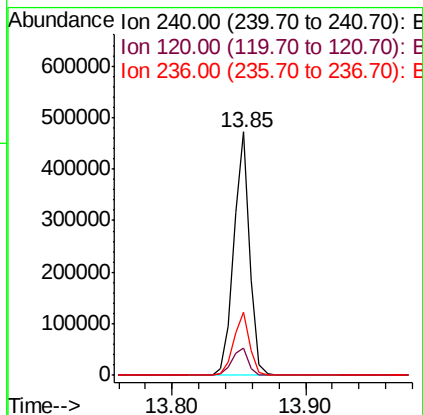
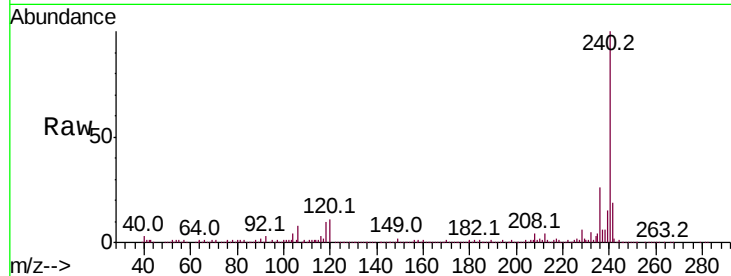
ClientSampleId :

CL-01-091418-A

Tot Ion:	240	Resp:	392713
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 9.294 ng

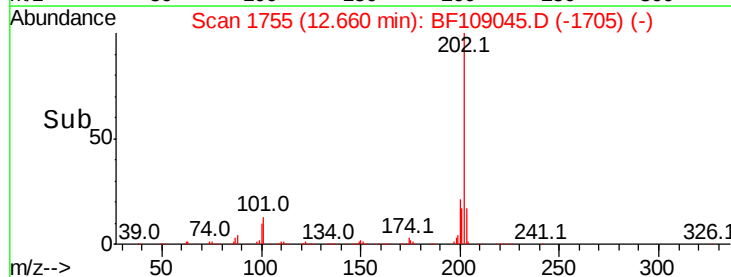
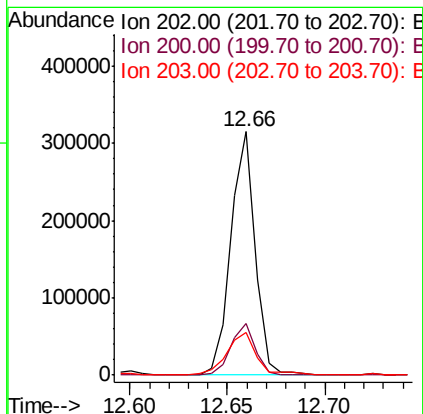
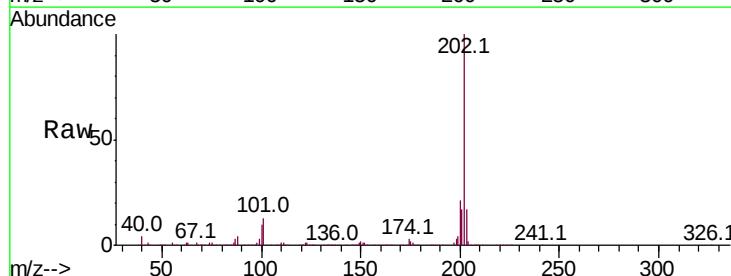
RT: 12.66 min Scan# 1755

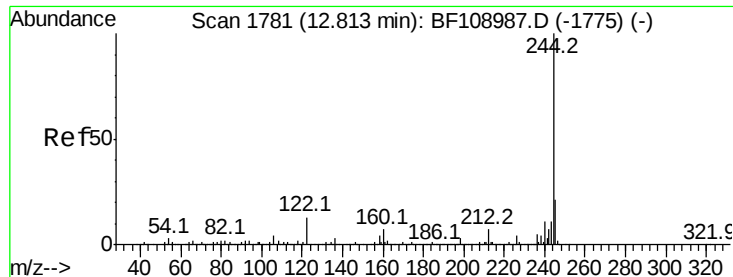
Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Tgt Ion:	202	Resp:	271116
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5





#78

Terphenyl-d14

Concen: 10.847 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Instrument :

BNA_F

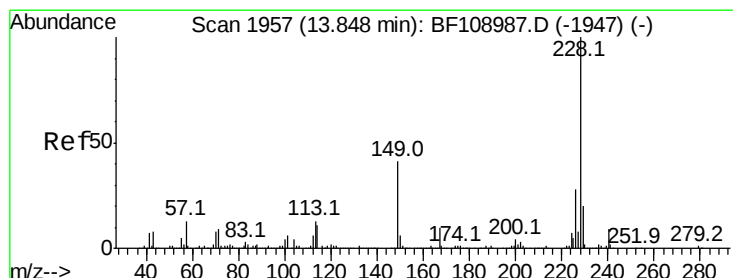
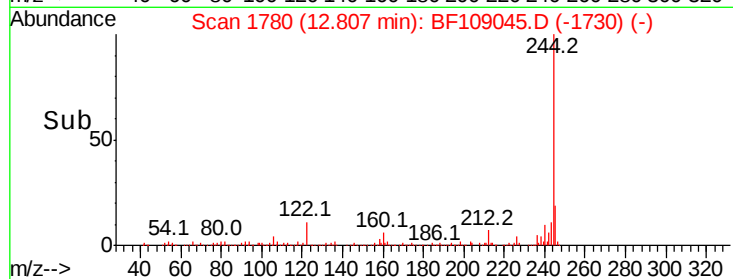
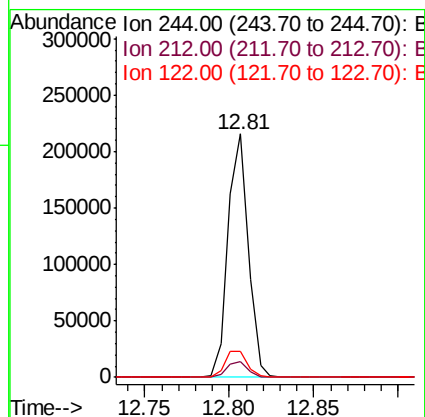
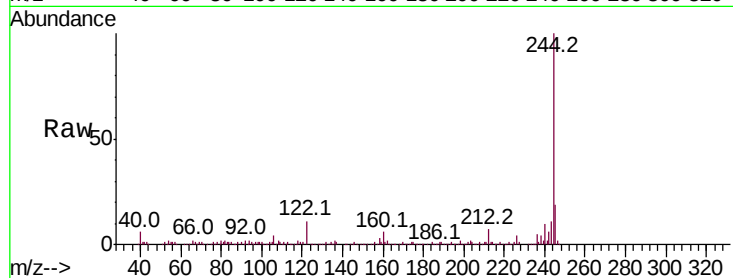
ClientSampleId :

CL-01-091418-A

Tot Ion:	244	Resp:	179722
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	10.8	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 7.614 ng

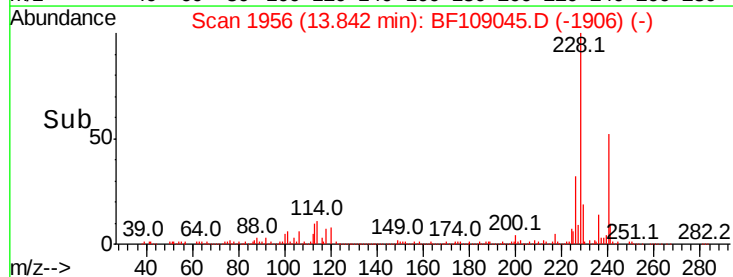
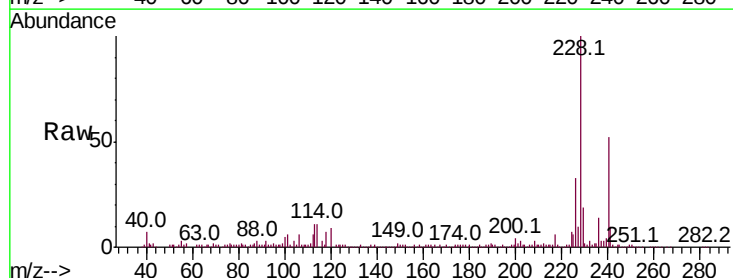
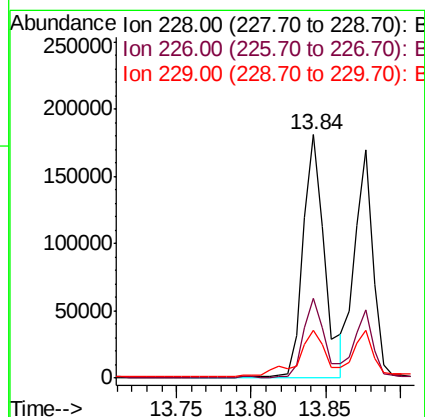
RT: 13.84 min Scan# 1956

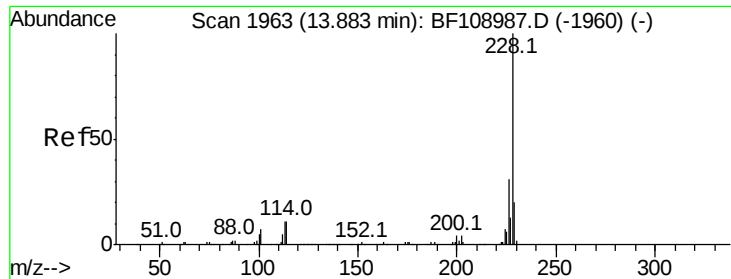
Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Tgt Ion:	228	Resp:	181036
Ion Ratio	Lower	Upper	
228	100		
226	32.8	22.6	33.8
229	19.5	15.8	23.6





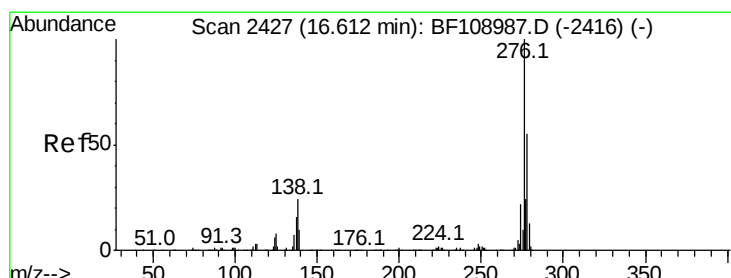
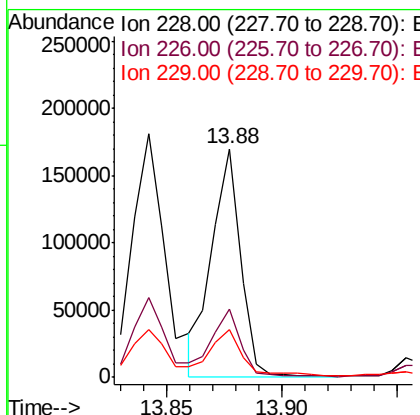
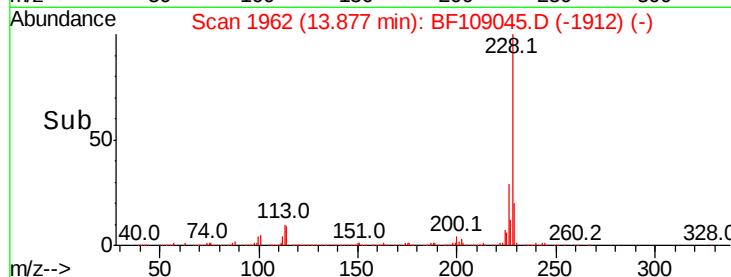
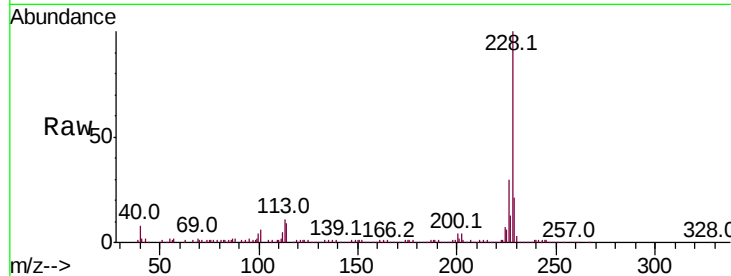
#82
Chrysene
Concen: 6.154 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion:	228	Resp:	146390
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	20.9	16.2	24.4

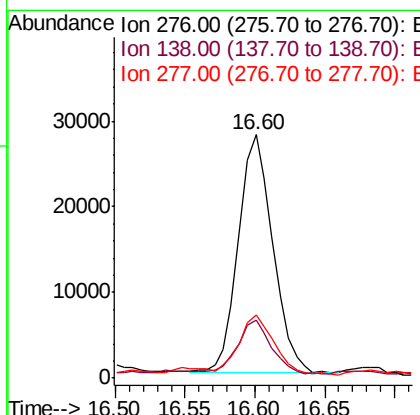
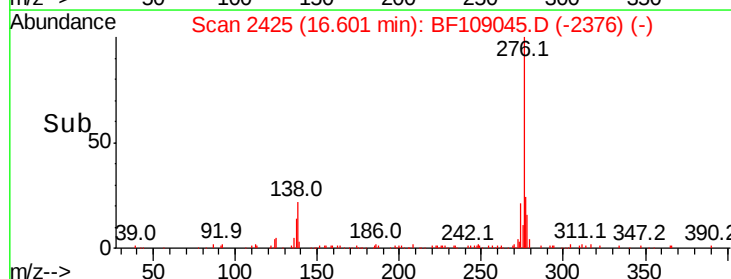
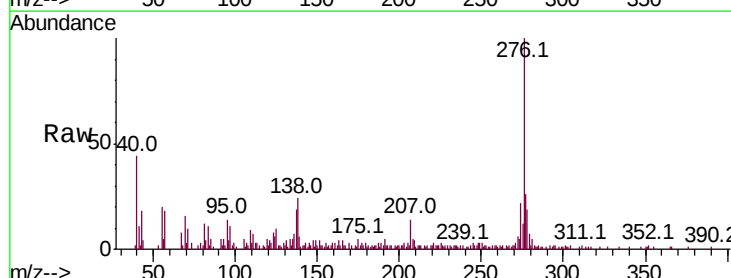
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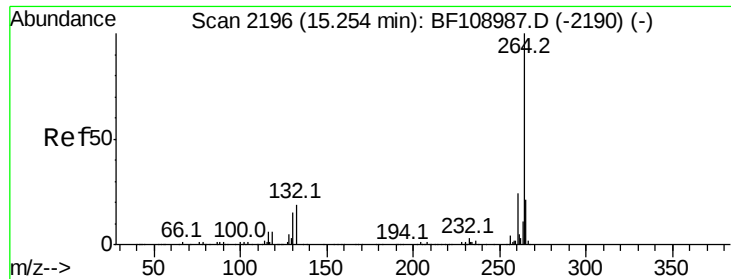
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.519 ng m
RT: 16.60 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion:	276	Resp:	47903
Ion Ratio	Lower	Upper	
276	100		
138	5.1	25.0	37.6#
277	4.4	20.1	30.1#





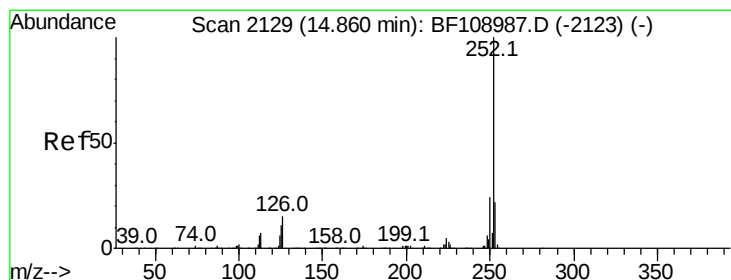
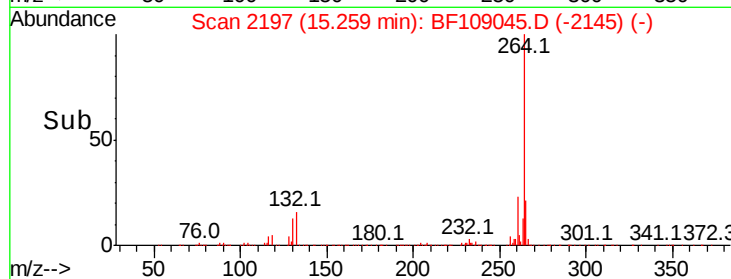
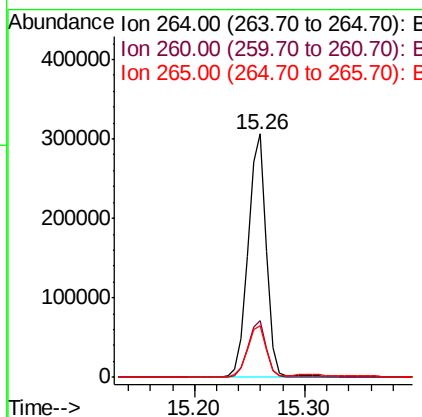
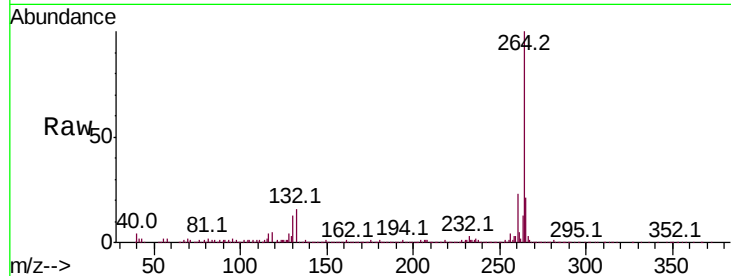
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3

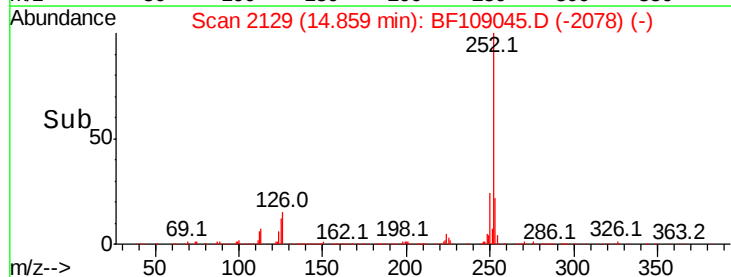
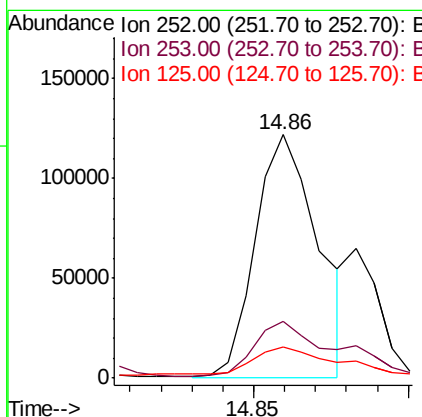
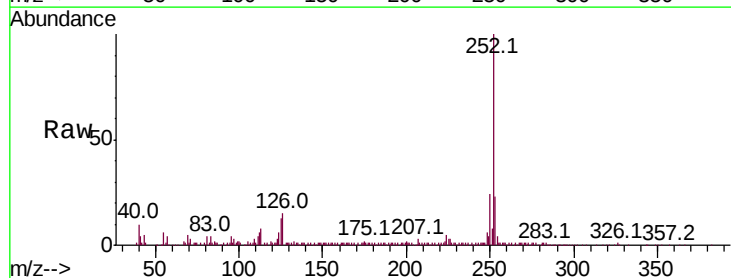
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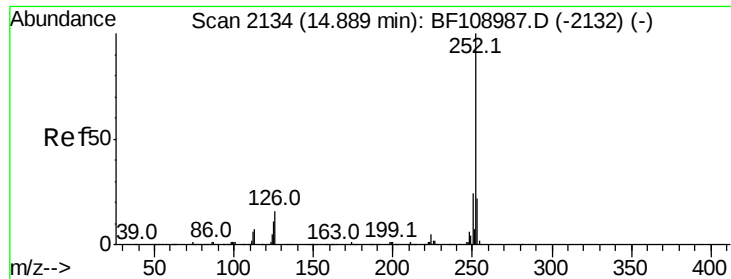
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#87
Benzo(b)fluoranthene
Concen: 8.898 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.6	9.0	13.6





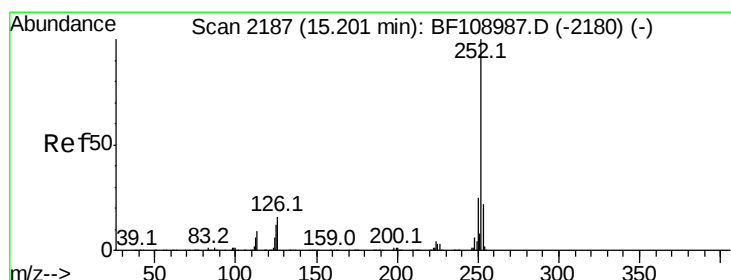
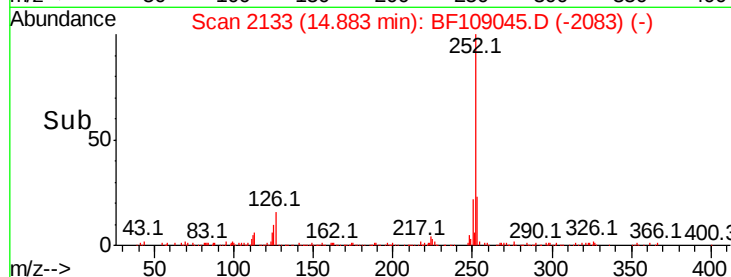
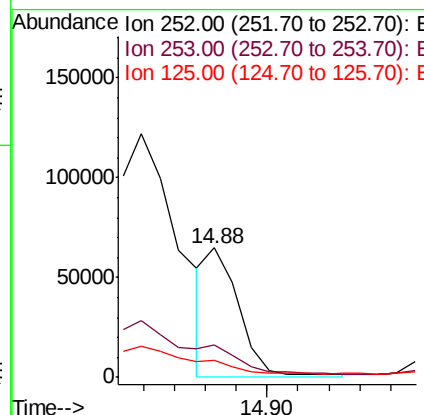
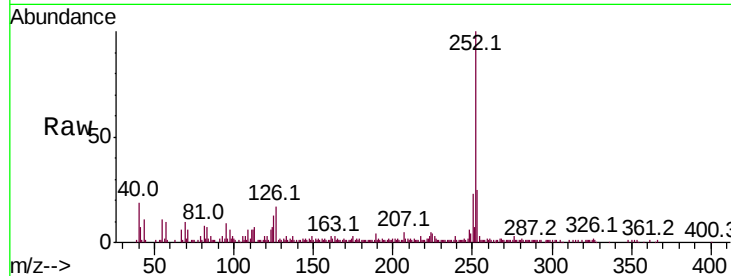
#88
Benzo(k)fluoranthene
Concen: 2.645 ng m
RT: 14.88 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	13.0	10.2	15.2

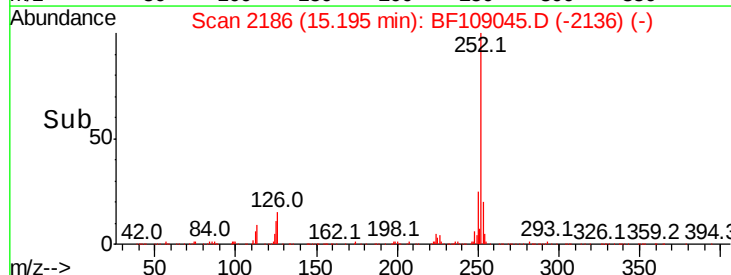
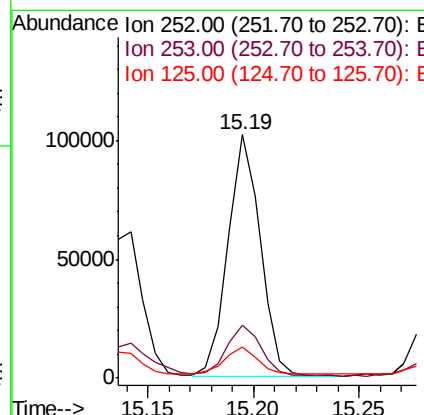
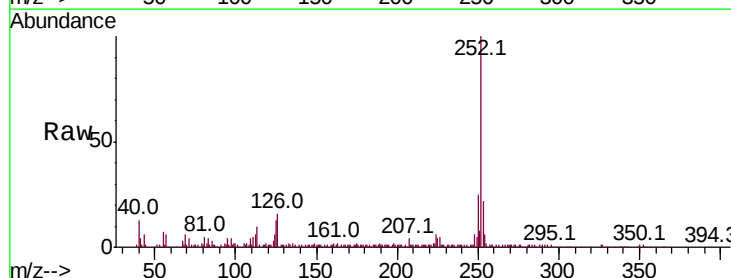
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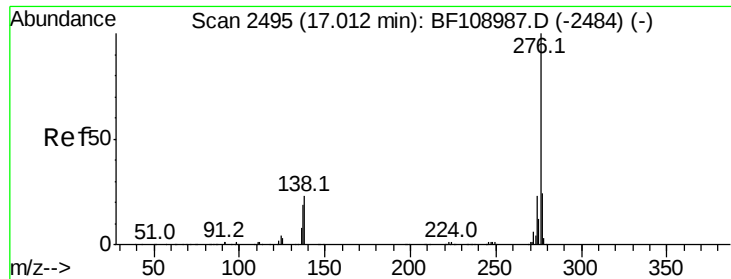
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#89
Benzo(a)pyrene
Concen: 6.169 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.877 ng
 RT: 17.01 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	20.6	21.8	32.8

Manual Integrations
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