

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109048.D
 Acq On : 17 Sep 2018 15:12
 Operator : JU/SJ
 Sample : J4773-09 4X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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 9/18/2018 6:00:07 PM

Quant Time: Sep 17 17:08:37 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	129723	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	453742	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	197081	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	377237	20.00	ng	0.00
75) Chrysene-d12	13.85	240	372272	20.00	ng	0.00
86) Perylene-d12	15.26	264	299075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	210808	26.99	ng	0.00
7) Phenol-d6	6.35	99	261325	25.95	ng	-0.01
23) Nitrobenzene-d5	7.27	82	151151	18.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	50741	23.72	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	244703	19.45	ng	0.00
78) Terphenyl-d14	12.81	244	241081	15.35	ng	0.00
Target Compounds						
70) Phenanthrene	11.25	178	87123	4.711	ng	98
74) Fluoranthene	12.43	202	180523	9.247	ng	98
77) Pyrene	12.66	202	188795	6.828	ng	97
80) Benzo(a)anthracene	13.84	228	103466	4.591	ng	94
82) Chrysene	13.88	228	91069	4.039	ng	96
85) Indeno(1,2,3-cd)pyrene	16.61	276	36825m	2.043	ng	
87) Benzo(b)fluoranthene	14.86	252	101229m	6.118	ng	
88) Benzo(k)fluoranthene	14.88	252	31311m	2.026	ng	
89) Benzo(a)pyrene	15.19	252	69241	4.712	ng	# 93
91) Benzo(g,h,i)perylene	17.01	276	35234	2.855	ng	96

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

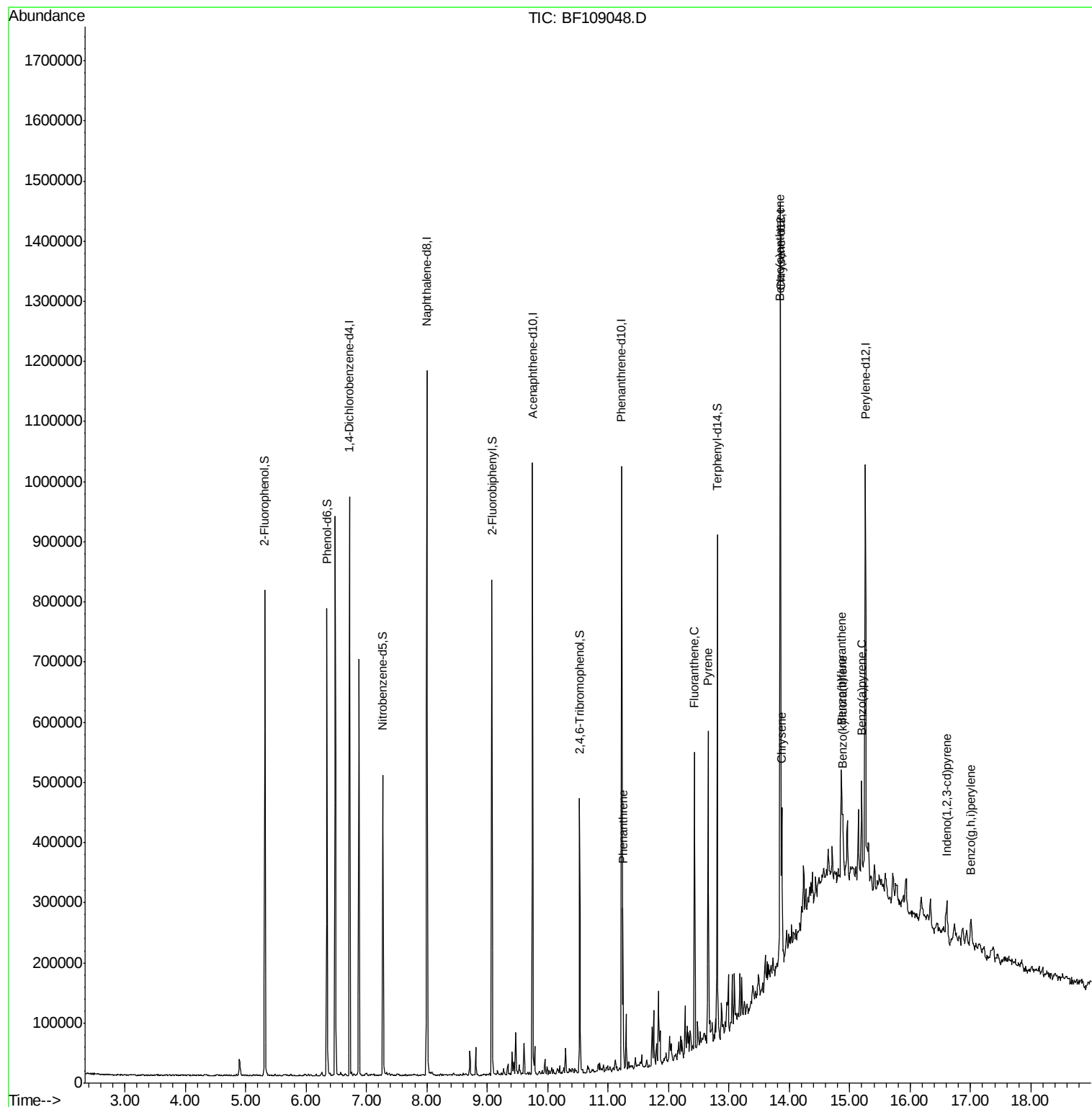
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109048.D
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#1

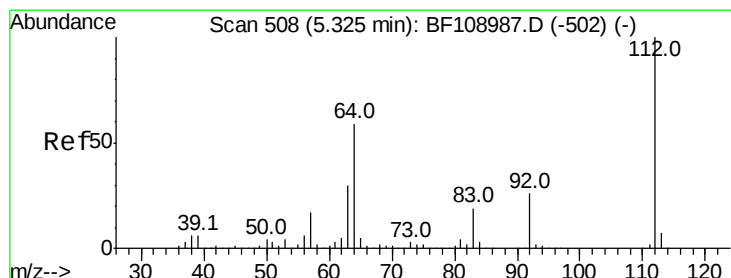
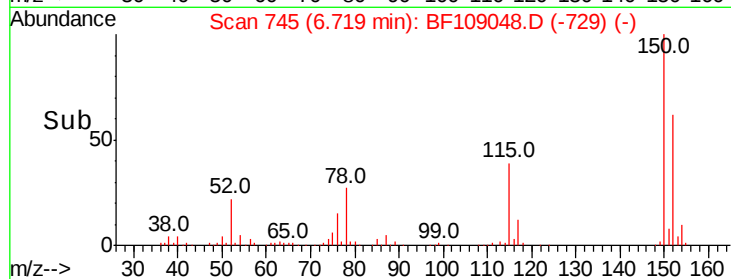
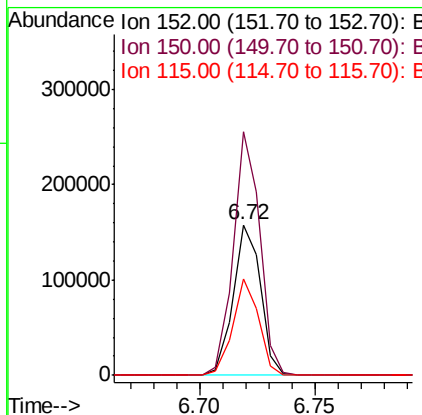
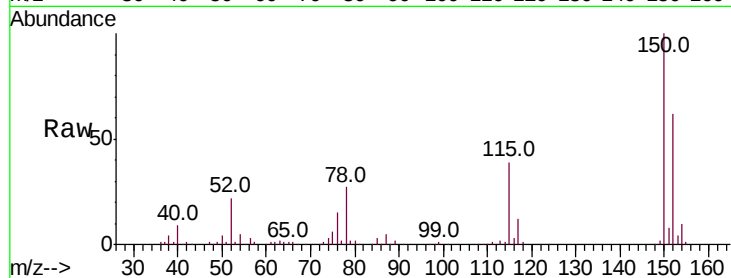
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	124.6	186.8
115	63.9	50.1	75.1

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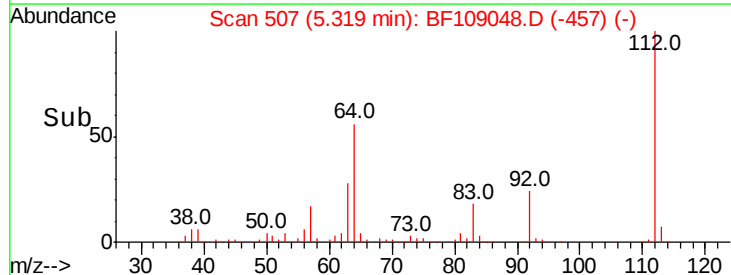
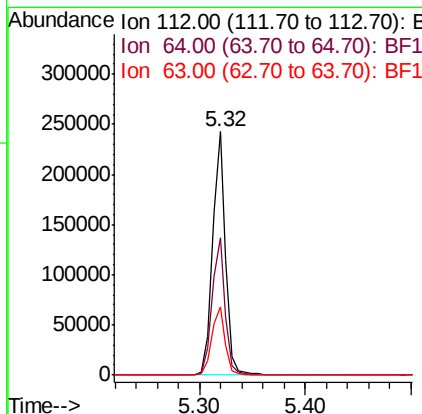
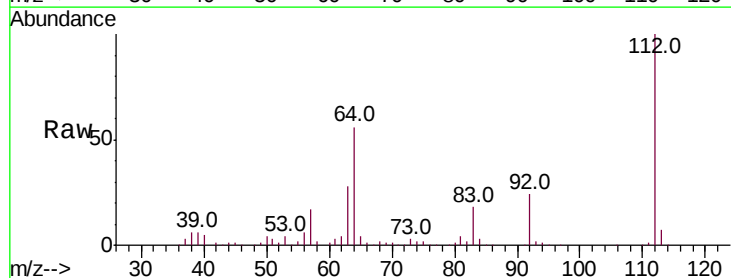
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#5

2-Fluorophenol
Concen: 26.990 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 25.948 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Instrument :

BNA_F

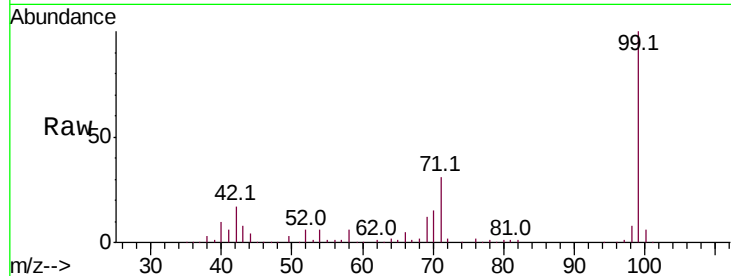
ClientSampled :

CL-01-091418-E

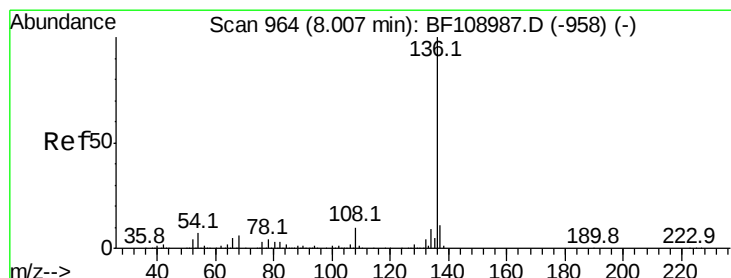
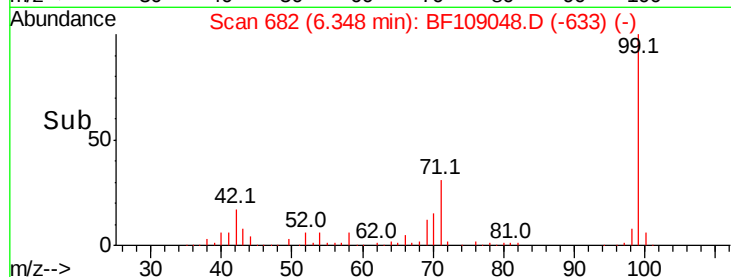
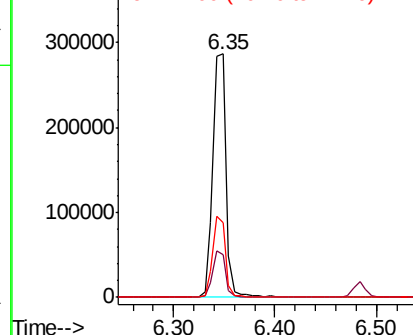
Tot Ion:	99	Resp:	261325
Ion Ratio	Lower	Upper	
99	100		
42	17.3	14.5	21.7
71	30.9	25.4	38.0

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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: 8.00 min Scan# 963

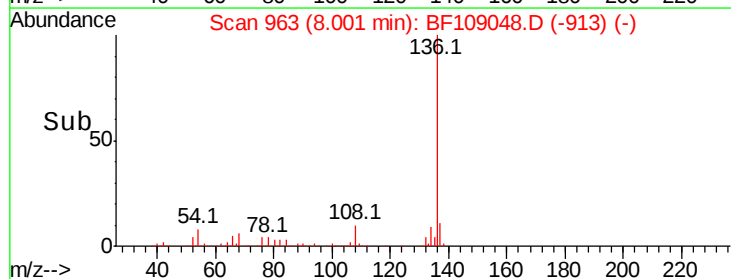
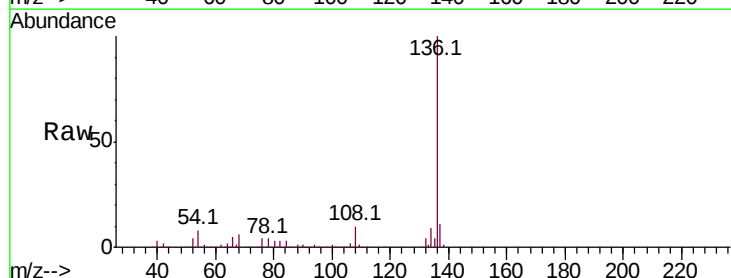
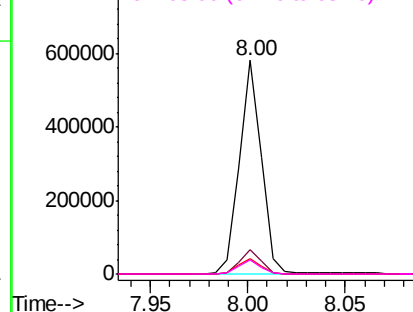
Delta R.T. -0.01 min

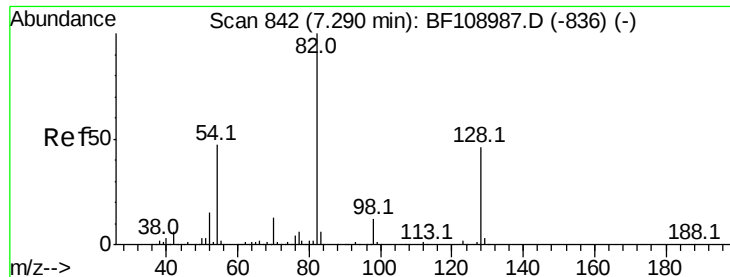
Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Tgt Ion:	136	Resp:	453742
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	7.5	6.6	9.8
68	6.4	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





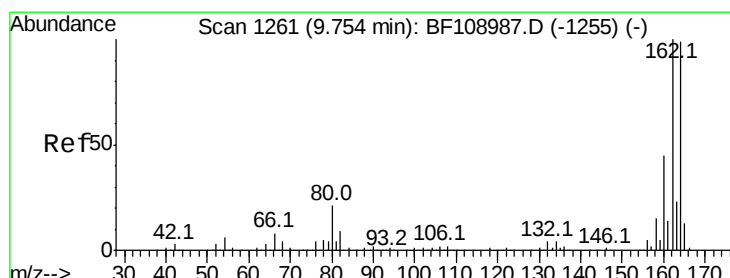
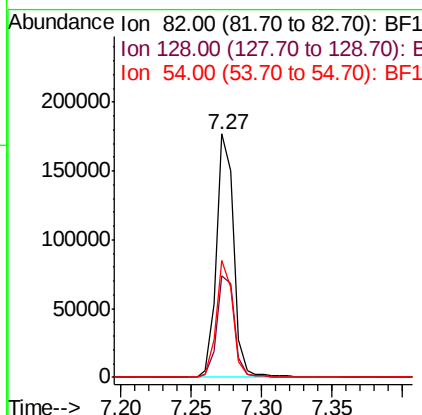
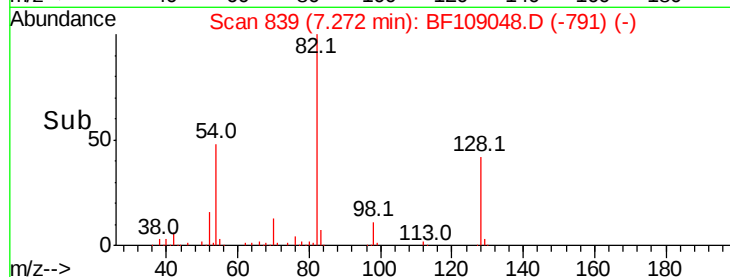
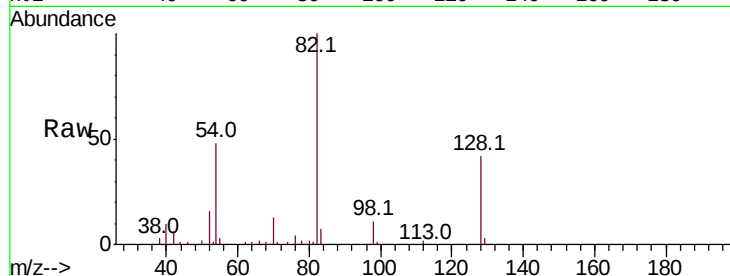
#23
Nitrobenzene-d5
Concen: 18.684 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.8	36.1	54.1	
54	48.1	41.4	62.2	

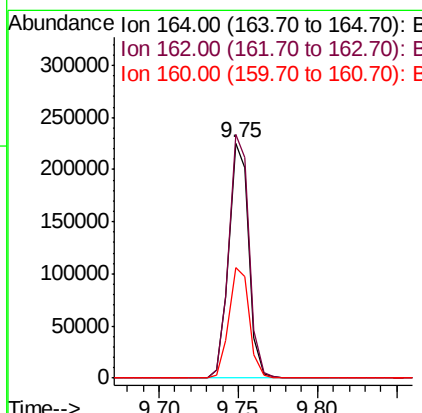
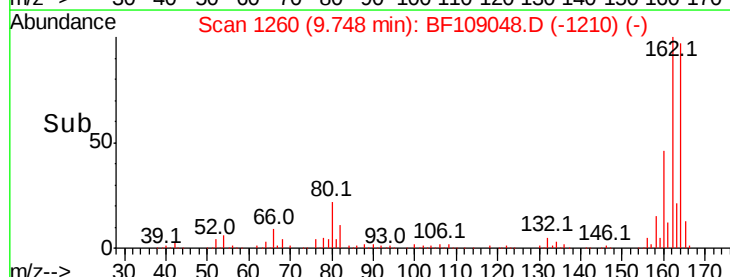
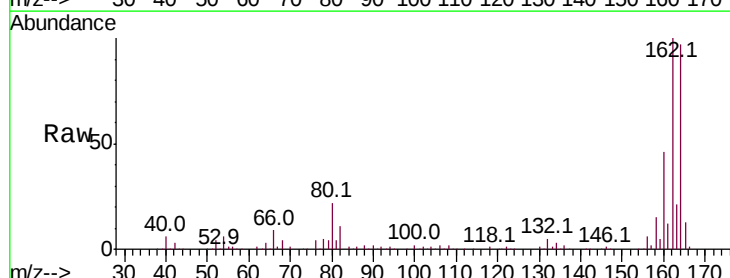
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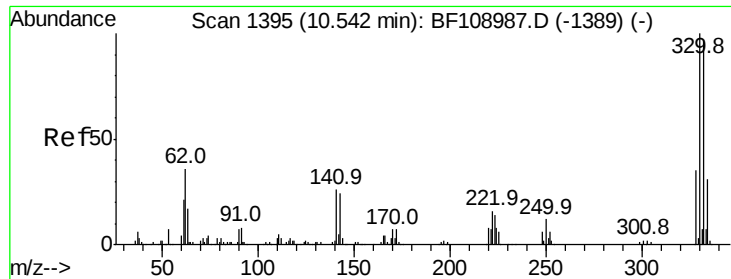
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	86.1	129.1	
160	47.2	38.3	57.5	





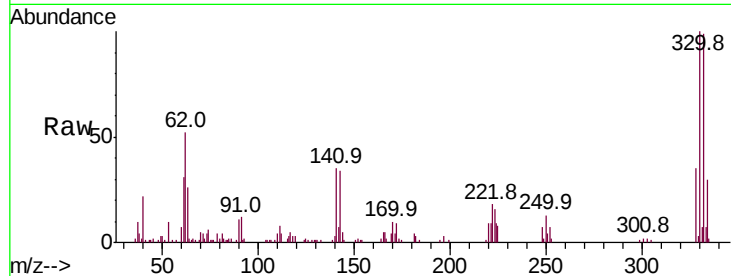
#41
 2,4,6-Tribromophenol
 Concen: 23.723 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109048.D
 Acq: 17 Sep 2018 15:12

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

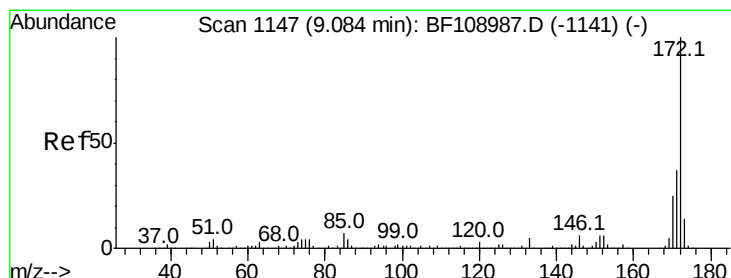
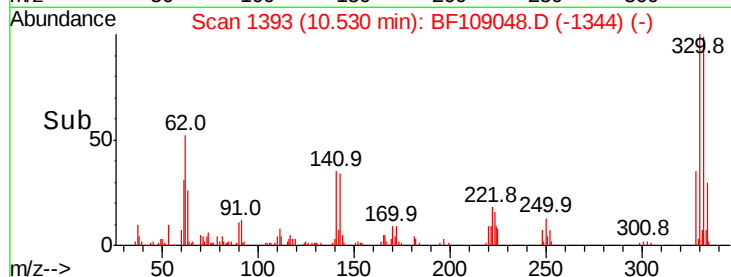
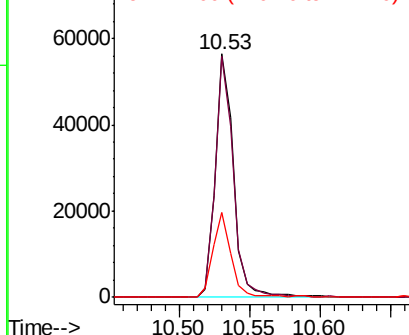
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	34.4	29.9	44.9

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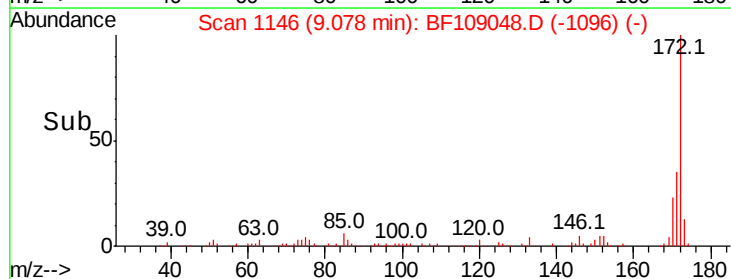
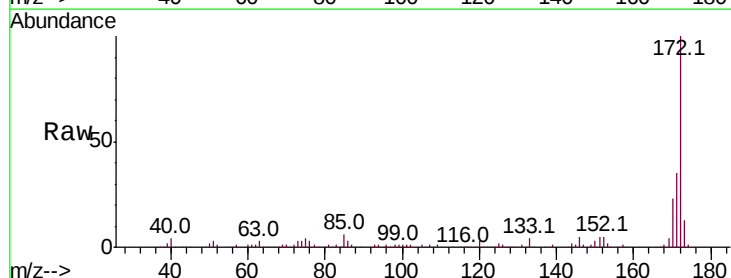
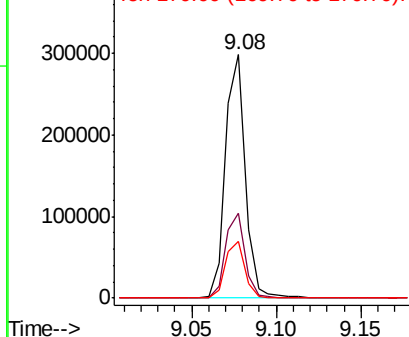
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

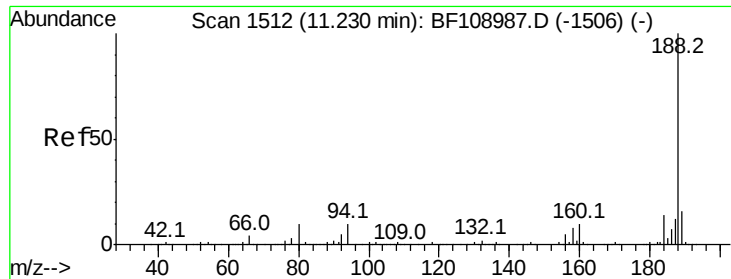


#44
 2-Fluorobiphenyl
 Concen: 19.453 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109048.D
 Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.3	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





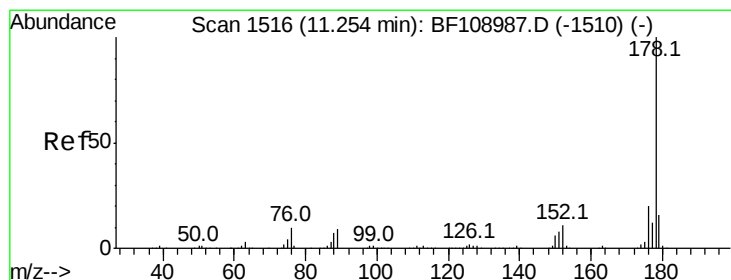
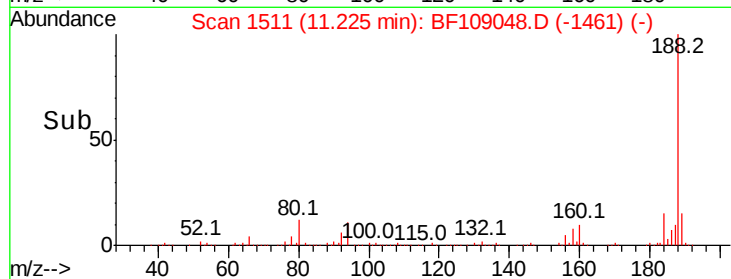
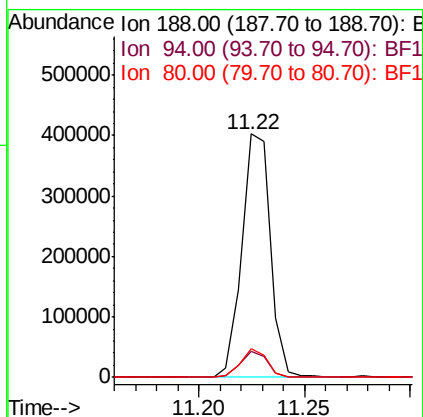
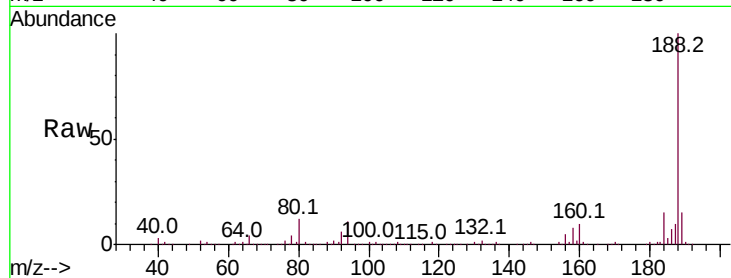
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	377237		
94	10.9		8.5	12.7
80	11.6		9.2	13.8

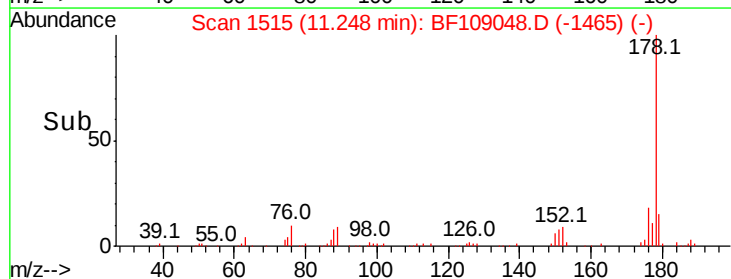
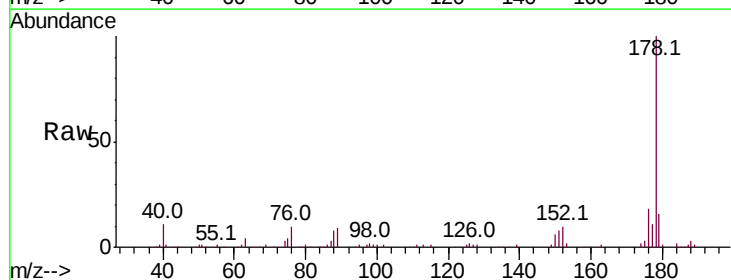
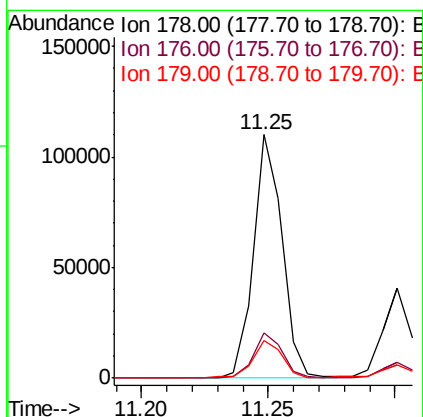
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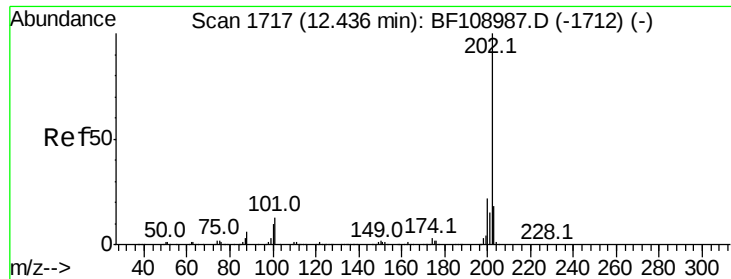
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#70
Phenanthrene
Concen: 4.711 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	87123		
176	18.4		15.8	23.8
179	15.7		13.0	19.6





#74

Fluoranthene

Concen: 9.247 ng

RT: 12.43 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Instrument :

BNA_F

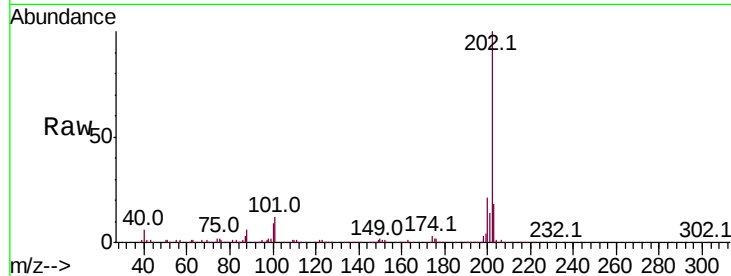
ClientSampleId :

CL-01-091418-E

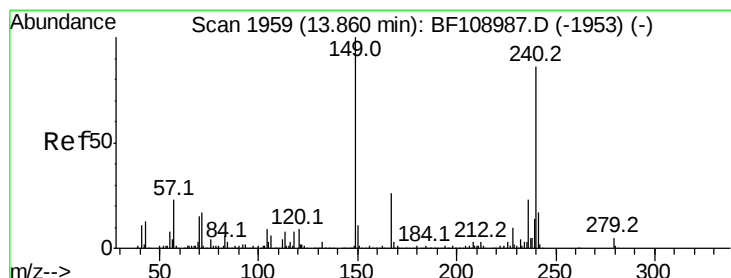
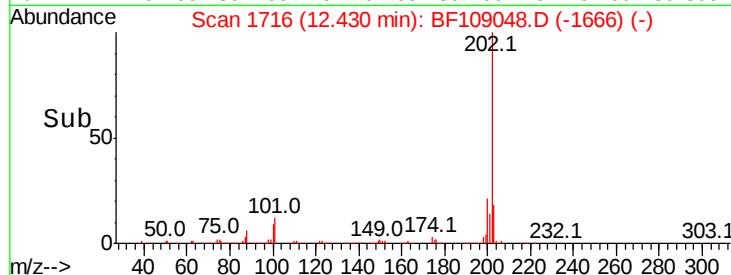
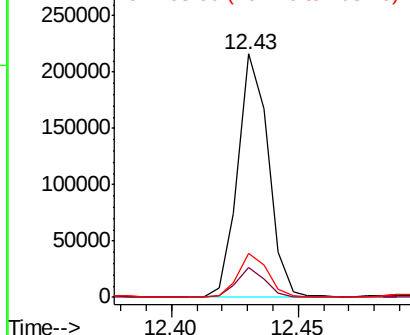
Tot Ion:	202	Resp:	180523
Ion Ratio		Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.0	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

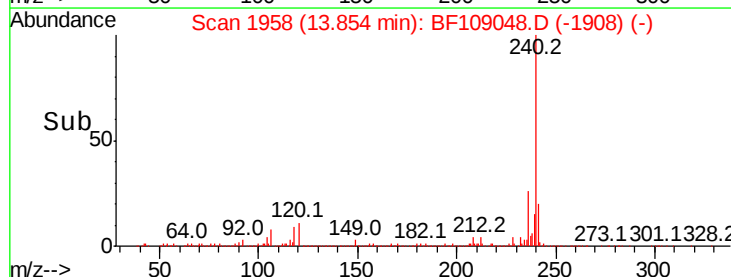
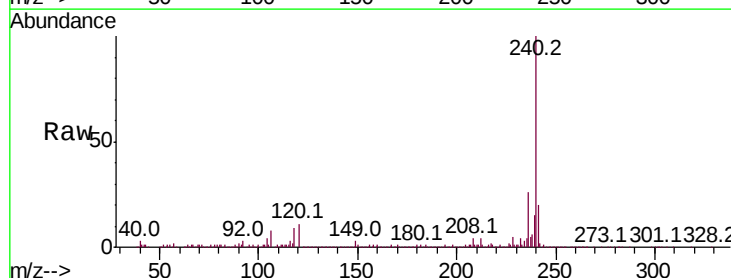
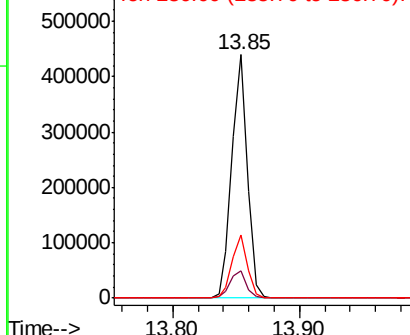
Delta R.T. -0.01 min

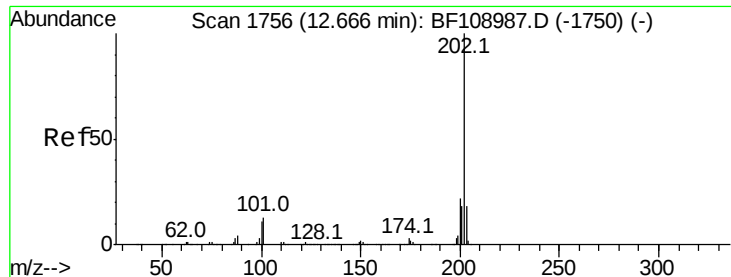
Lab File: BF109048.D

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Tgt Ion:	240	Resp:	372272
Ion Ratio		Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.9	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.828 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Instrument :

BNA_F

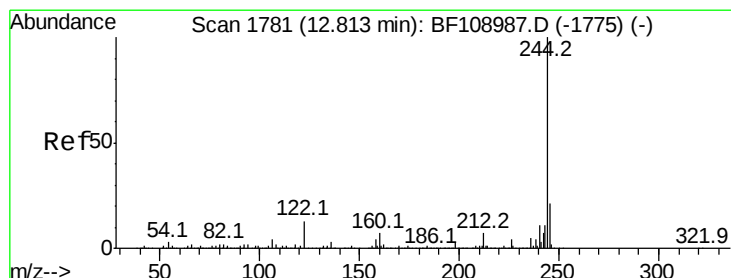
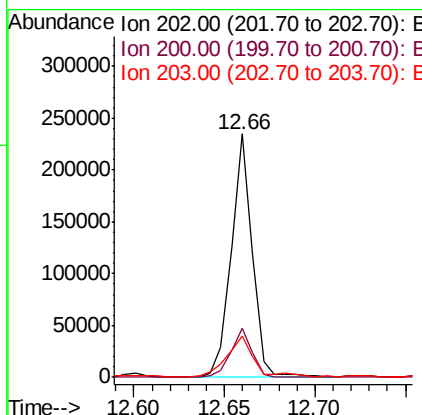
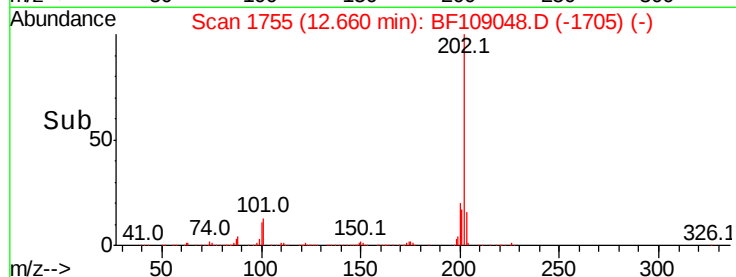
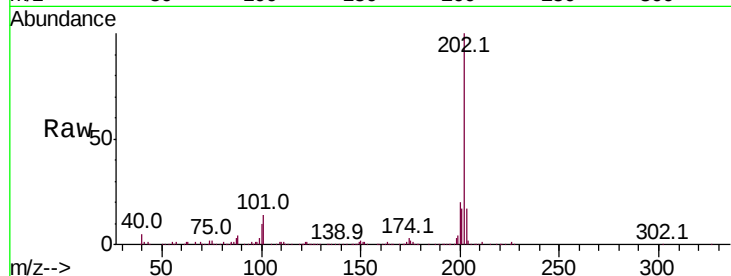
ClientSampleId :

CL-01-091418-E

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.4	17.4	26.2	
203	16.9	14.3	21.5	

Manual Integrations
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#78

Terphenyl-d14

Concen: 15.350 ng

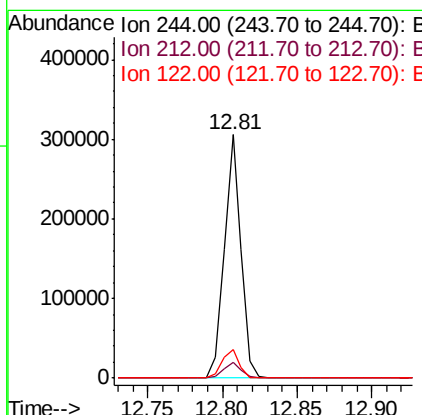
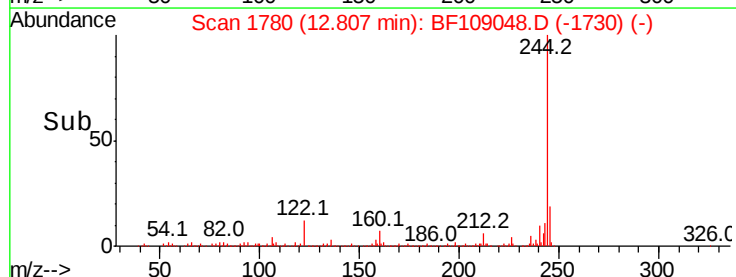
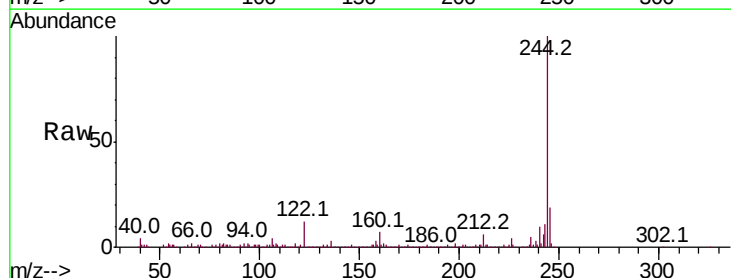
RT: 12.81 min Scan# 1780

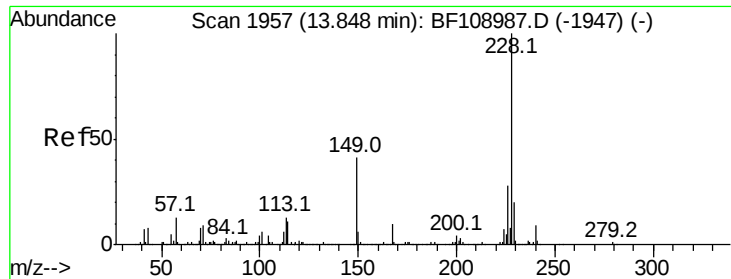
Delta R.T. -0.01 min

Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	5.4	8.0	
122	11.6	11.0	16.4	





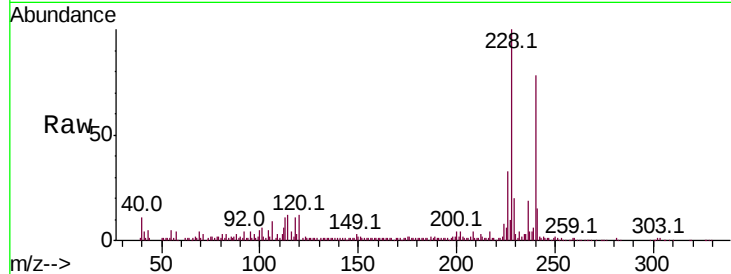
#80
Benzo(a)anthracene
Concen: 4.591 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

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

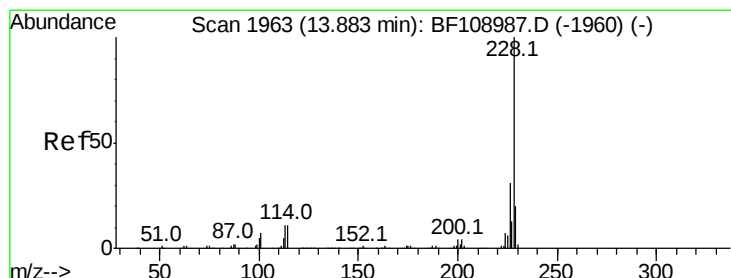
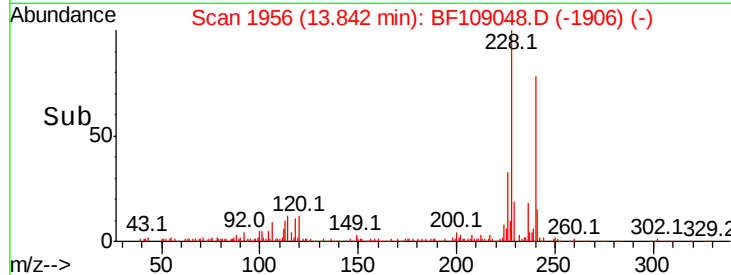
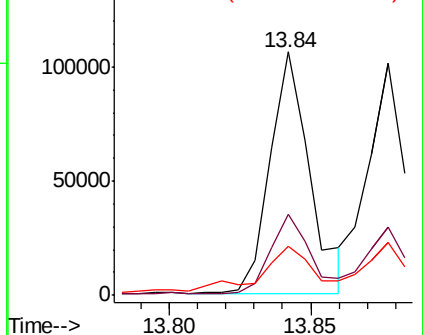
Tot Ion	Ratio	Resp	Lower	Upper
228	100	103466		
226	33.4	22.6	33.8	
229	20.1	15.8	23.6	

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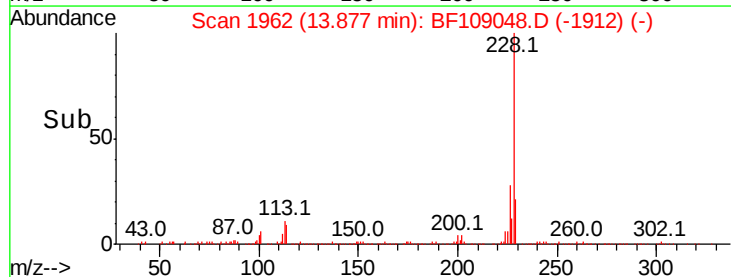
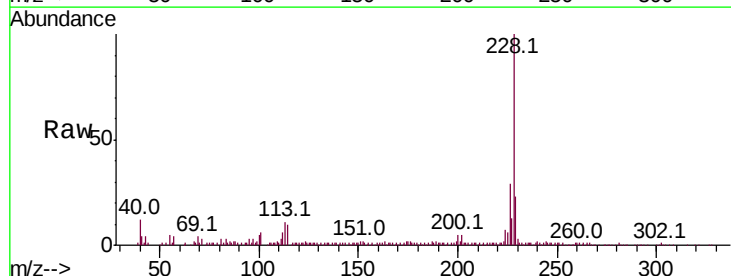
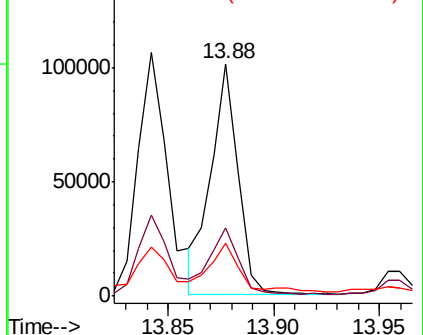
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

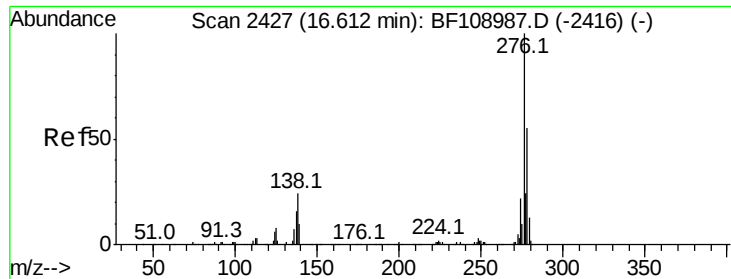


#82
Chrysene
Concen: 4.039 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	91069		
226	29.1	25.0	37.6	
229	22.7	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





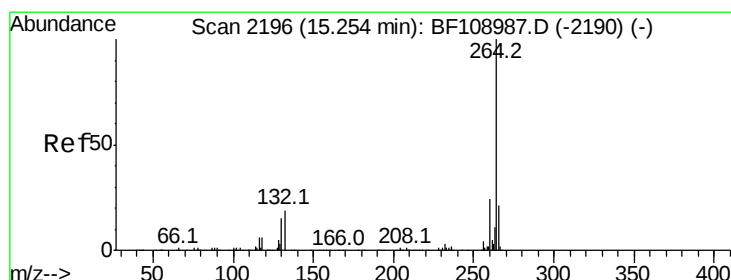
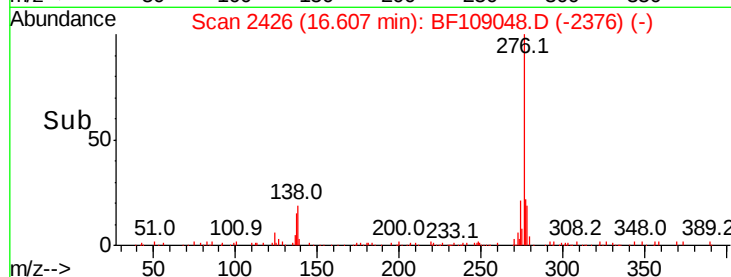
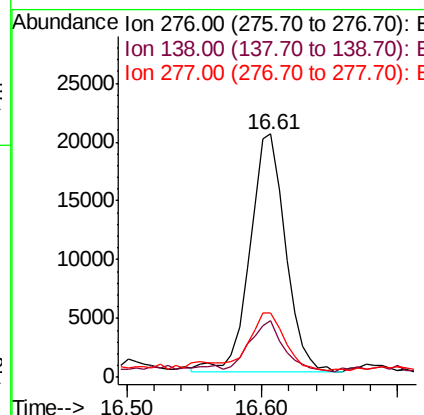
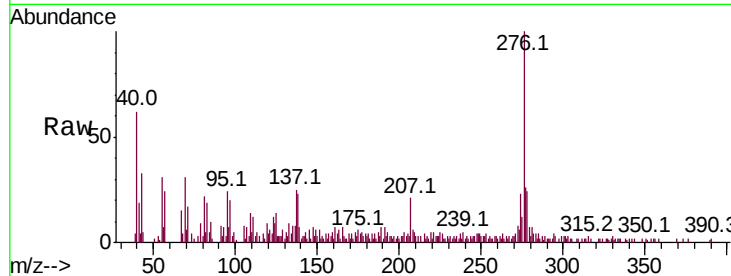
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.043 ng/ml
RT: 16.61 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.3	25.0	37.6#
277	5.0	20.1	30.1#

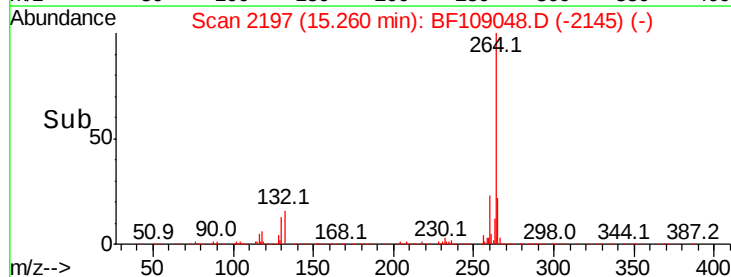
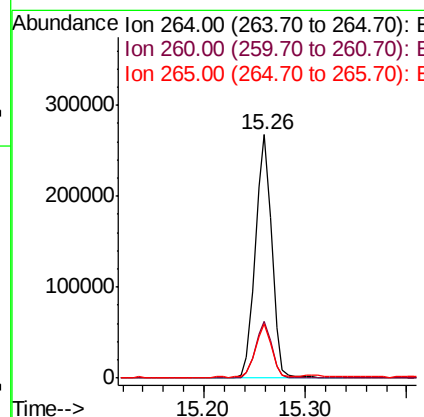
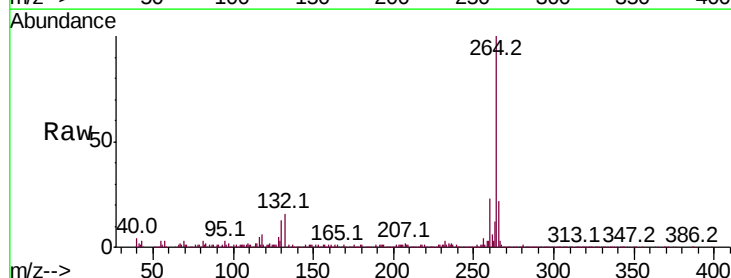
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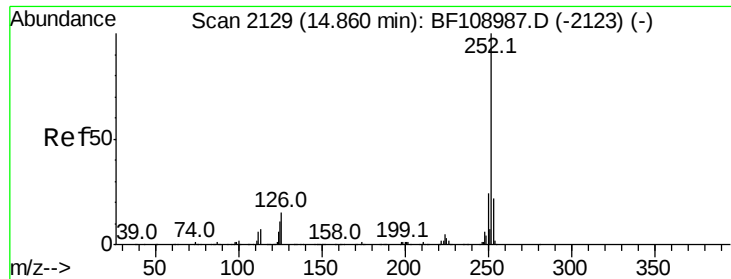
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.118 ng m

RT: 14.86 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Instrument :

BNA_F

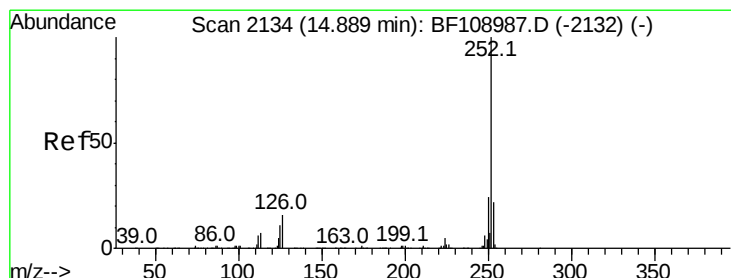
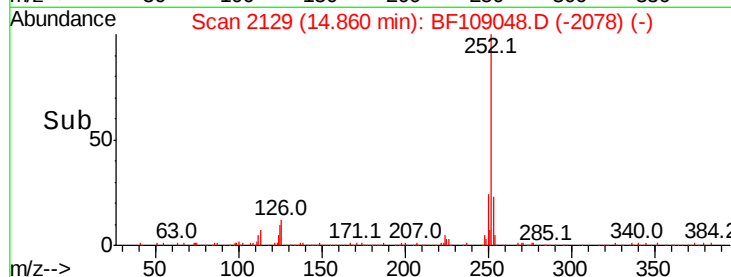
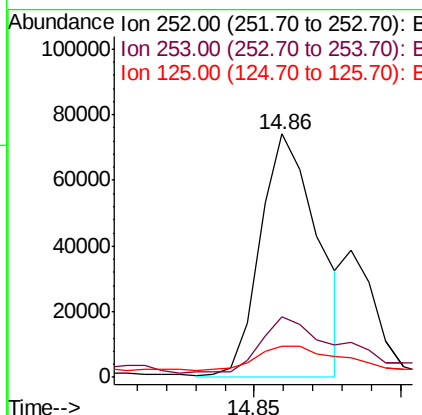
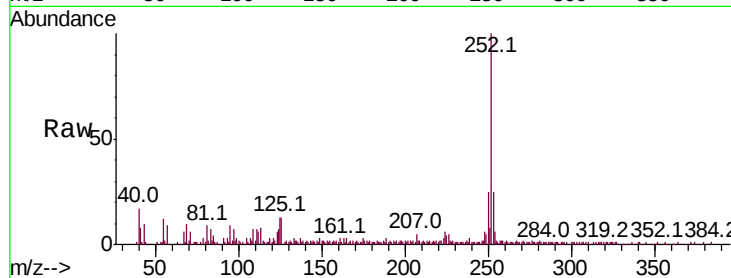
ClientSampleId :

CL-01-091418-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	12.8	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 2.026 ng m

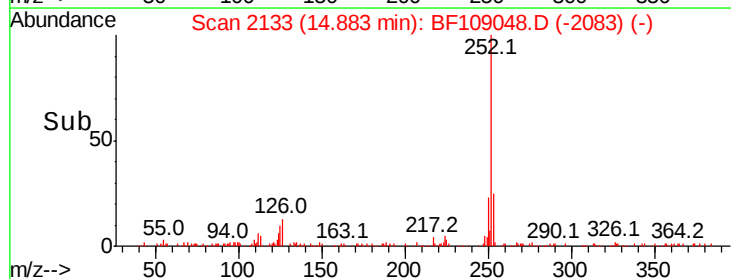
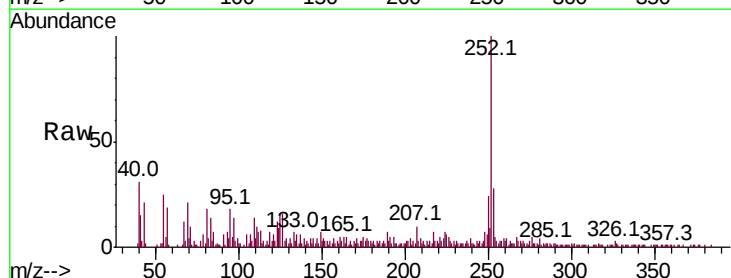
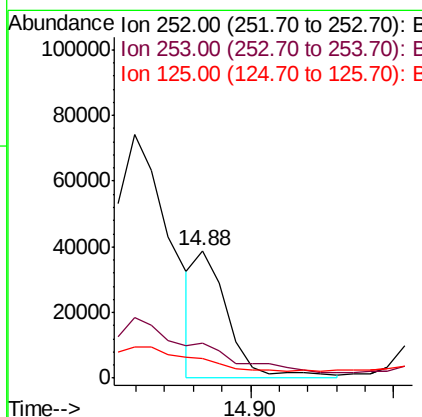
RT: 14.88 min Scan# 2133

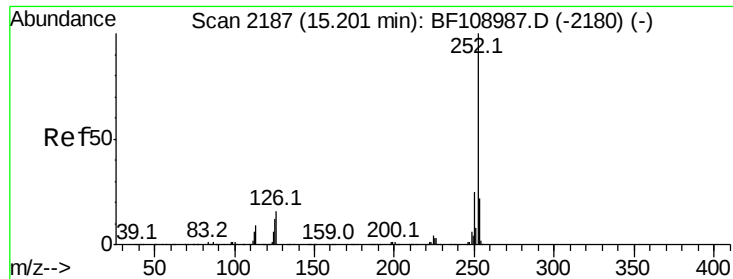
Delta R.T. -0.01 min

Lab File: BF109048.D

Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9#
125	15.8	10.2	15.2#





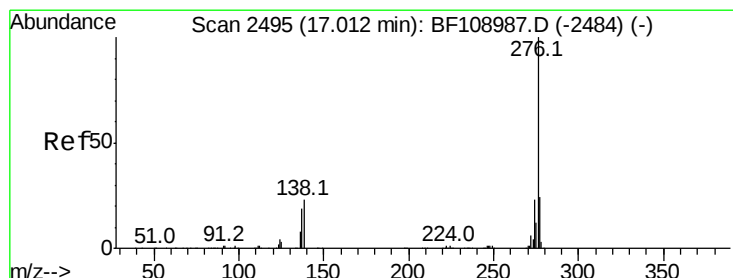
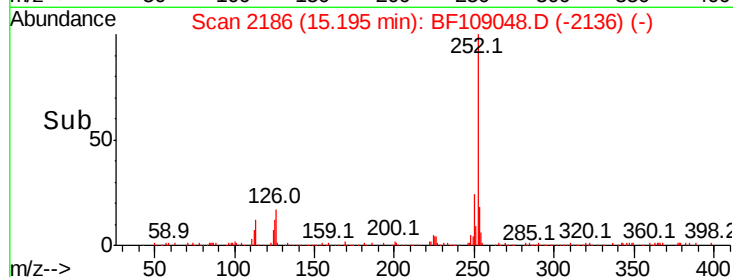
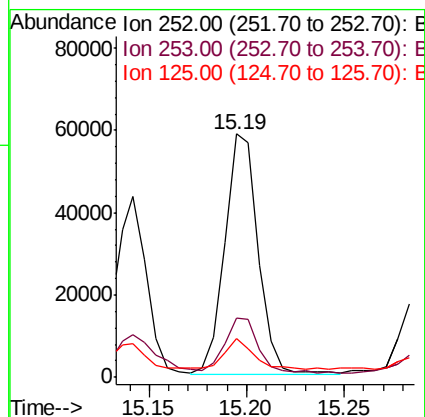
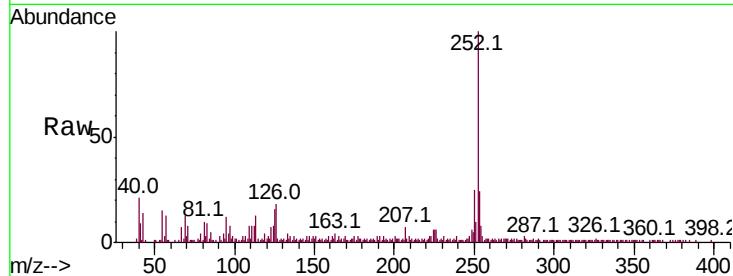
#89
Benzo(a)pyrene
Concen: 4.712 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	16.1	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 2.855 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109048.D
Acq: 17 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	25.7	21.8	32.8

