

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112733.D
 Acq On : 27 Feb 2019 21:52
 Operator : JU/SJ
 Sample : K1633-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SR-11-D

Manual Integrations
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Sohil
 2/28/2019 12:47:20 PM

Quant Time: Feb 28 03:24:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	179295	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	634656	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	260354	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	513013	20.00	ng	0.00
76) Chrysene-d12	13.87	240	486245	20.00	ng	0.00
87) Perylene-d12	15.28	264	364426	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	253254	21.97	ng	0.00
7) Phenol-d6	6.36	99	311098	21.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	156361	14.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	58960	21.33	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	284467	6.59	ng	0.00
79) Terphenyl-d14	12.83	244	315530	12.58	ng	0.00
Target Compounds						
52) Acenaphthene	9.80	154	97469	5.921	ng	98
55) Dibenzofuran	9.97	168	94916	3.967	ng	96
58) Fluorene	10.32	166	129344	7.617	ng	98
71) Phenanthrene	11.27	178	1113004	43.605	ng	98
72) Anthracene	11.32	178	411351	15.396	ng	98
73) Carbazole	11.47	167	102976	3.951	ng	97
75) Fluoranthene	12.46	202	1642813	60.074	ng	99
78) Pyrene	12.68	202	1416742	34.562	ng	99
81) Benzo(a)anthracene	13.86	228	733607	21.769	ng	99
83) Chrysene	13.90	228	570506	17.283	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	216639	7.698	ng	93
88) Benzo(b)fluoranthene	14.88	252	643287m	27.290	ng	
89) Benzo(k)fluoranthene	14.90	252	174768m	8.185	ng	
90) Benzo(a)pyrene	15.22	252	411434	19.733	ng	98
91) Dibenzo(a,h)anthracene	16.63	278	51221m	2.879	ng	
92) Benzo(g,h,i)perylene	17.03	276	194603	10.893	ng	98

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

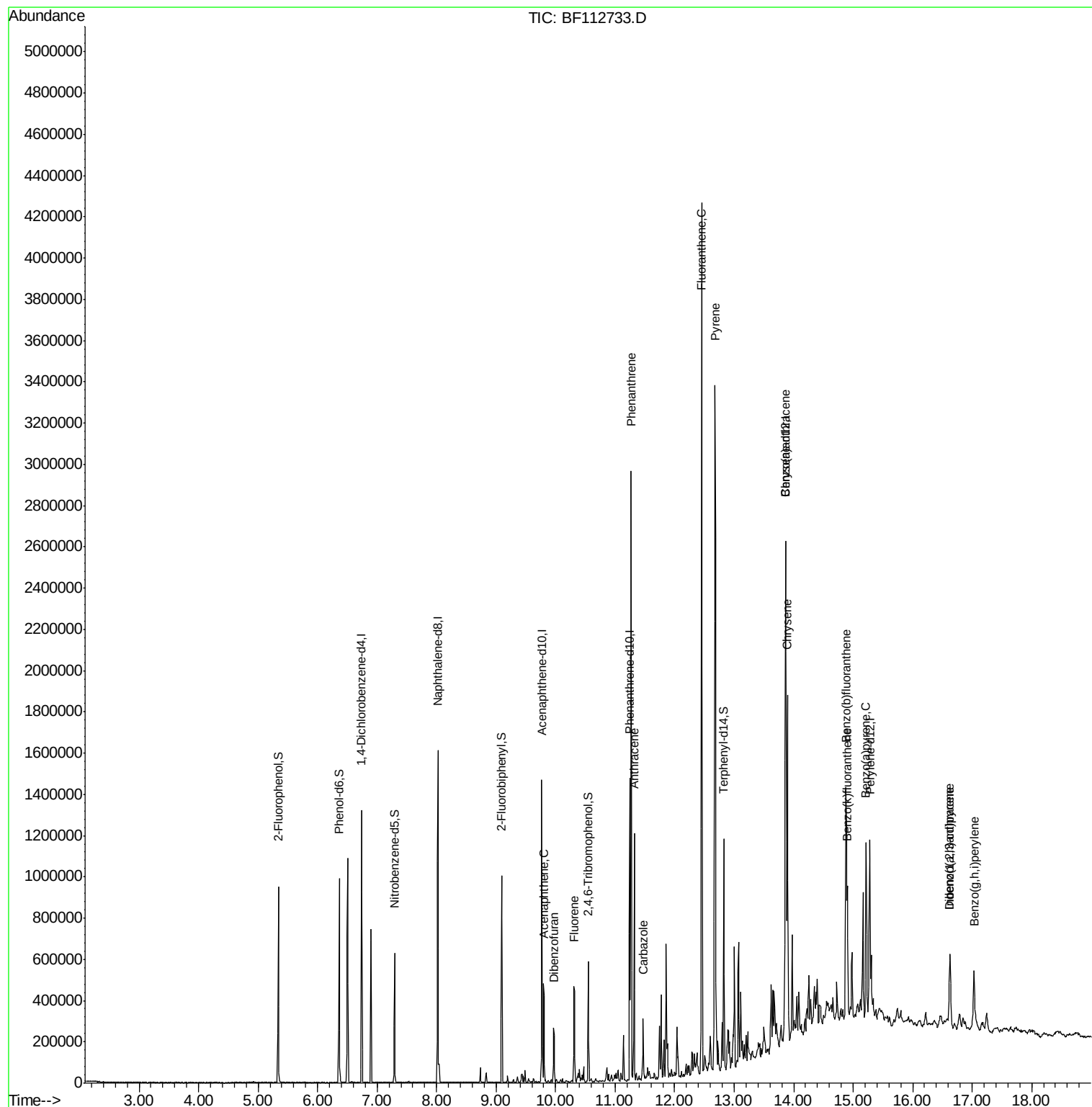
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
Data File : BF112733.D
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ALS Vial : 16 Sample Multiplier: 1

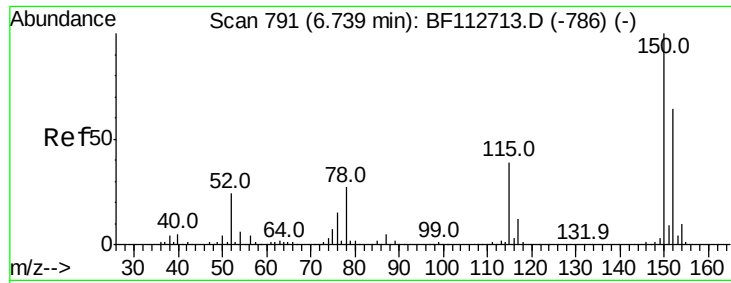
Instrument :
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#1

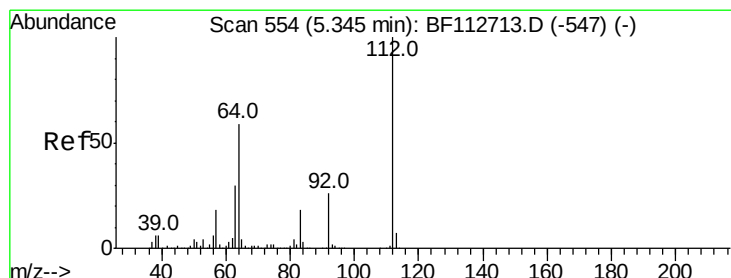
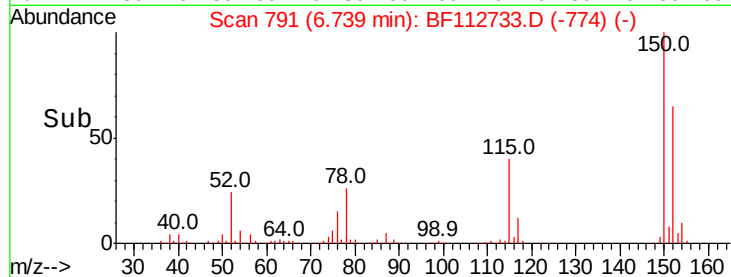
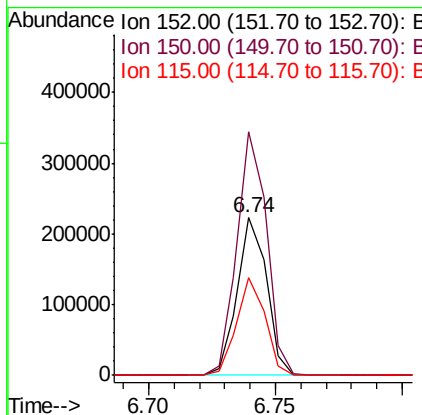
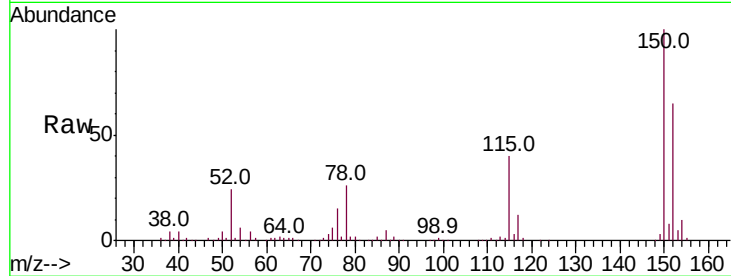
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Instrument :
BNA_F
ClientSampleId :
SR-11-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.2
115	61.8	48.2	72.4

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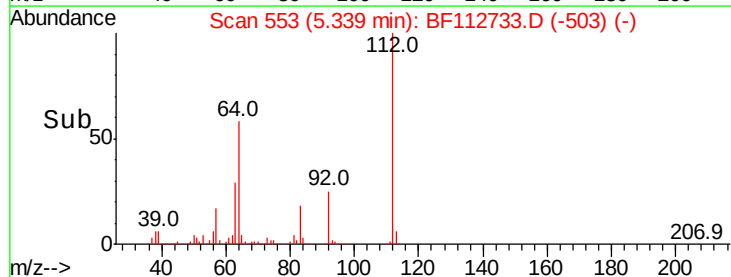
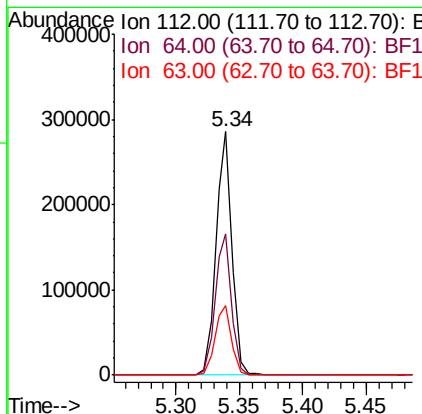
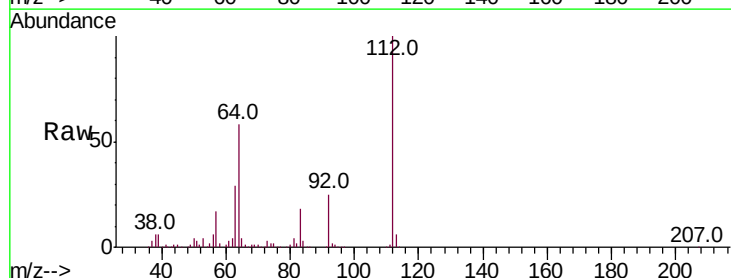
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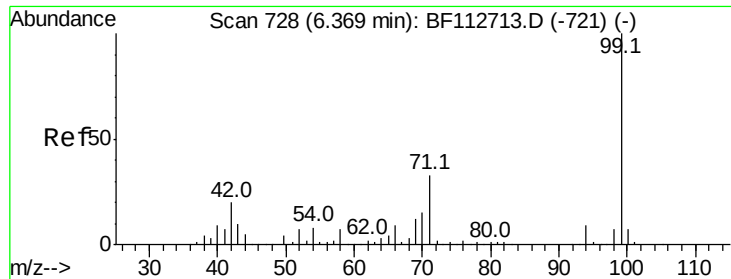


#5

2-Fluorophenol
Concen: 21.972 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.6	71.4
63	28.6	24.4	36.6





#7

Phenol-d6

Concen: 21.486 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Instrument :

BNA_F

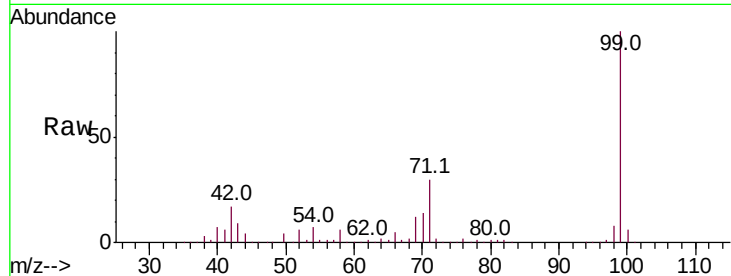
ClientSampled :

SR-11-D

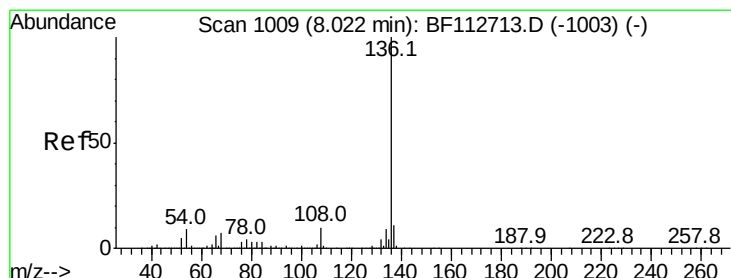
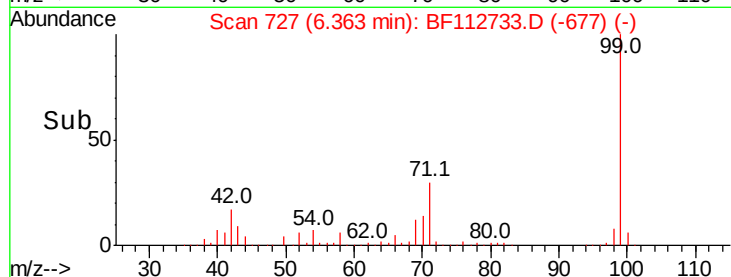
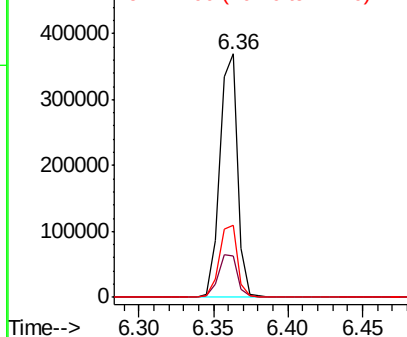
Tot Ion:	99	Resp:	311098
Ion Ratio	Lower	Upper	
99	100		
42	17.2	16.3	24.5
71	29.5	26.2	39.4

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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: 8.02 min Scan# 1009

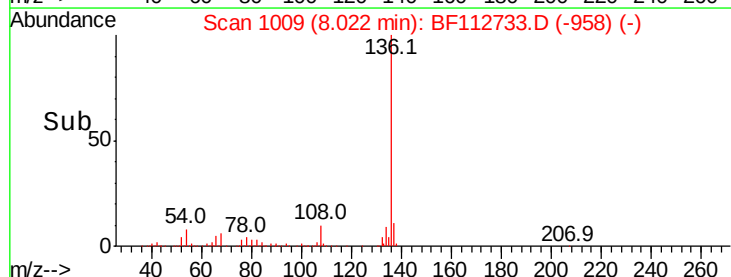
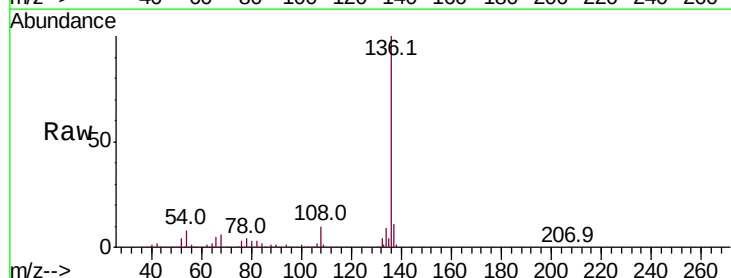
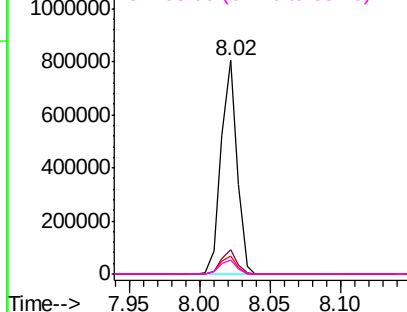
Delta R.T. -0.00 min

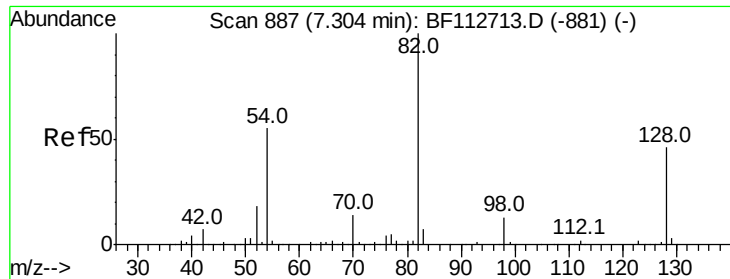
Lab File: BF112733.D

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Tgt Ion:	136	Resp:	634656
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.3	7.3	10.9
68	6.3	5.4	8.2

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





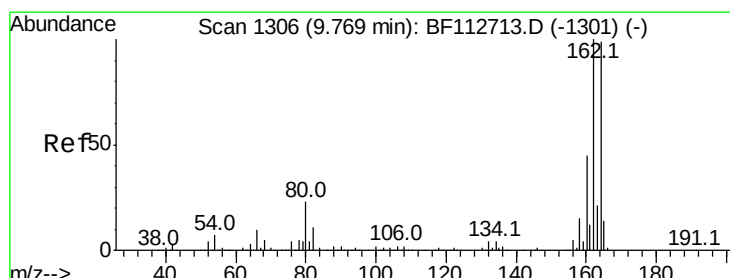
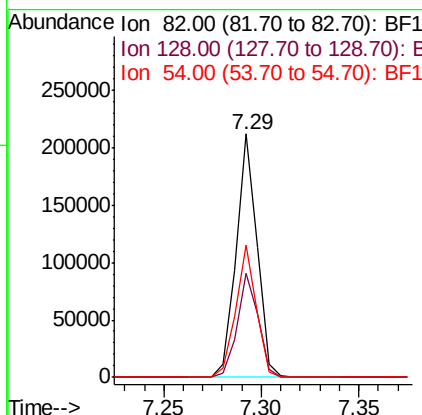
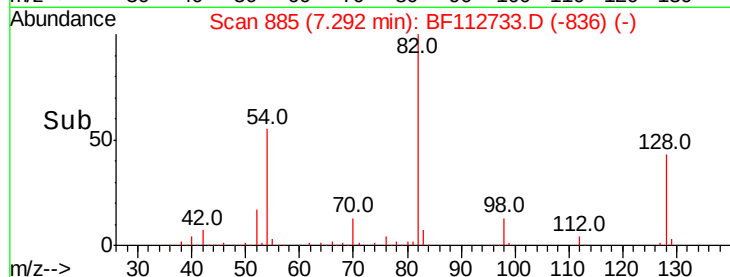
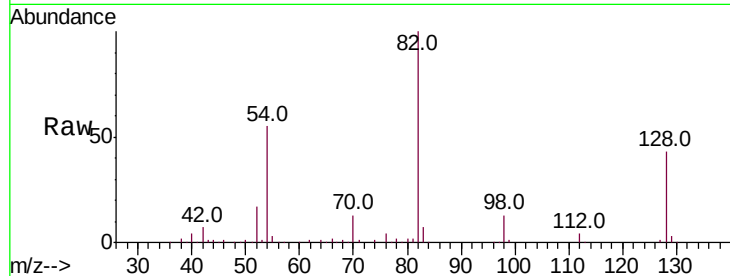
#23
Nitrobenzene-d5
Concen: 14.742 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Instrument :
BNA_F
ClientSampled :
SR-11-D

Tot Ion	Ratio	Resp	Lower	Upper
82	100	156361		
128	42.6	36.3	54.5	
54	54.5	43.7	65.5	

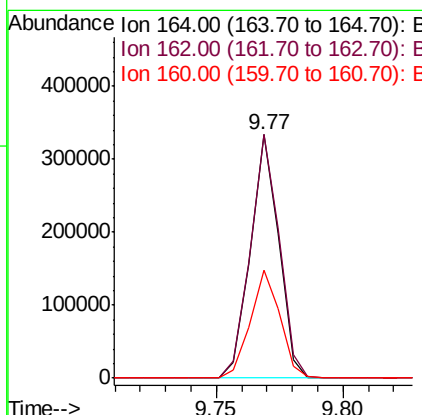
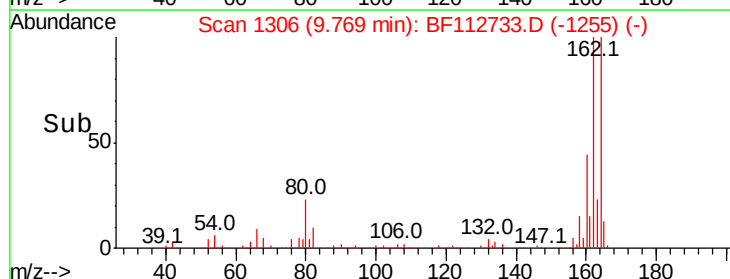
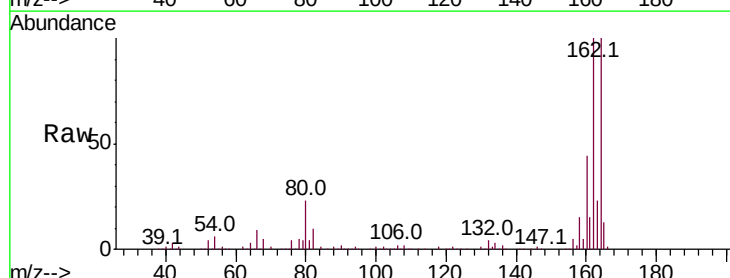
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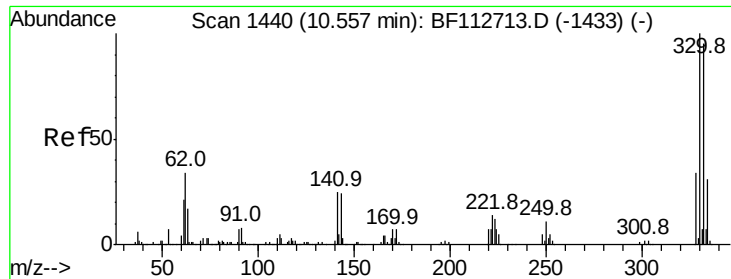
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	260354		
162	100.0	80.6	120.8	
160	44.4	36.0	54.0	





#42

2,4,6-Tribromophenol

Concen: 21.332 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Instrument :

BNA_F

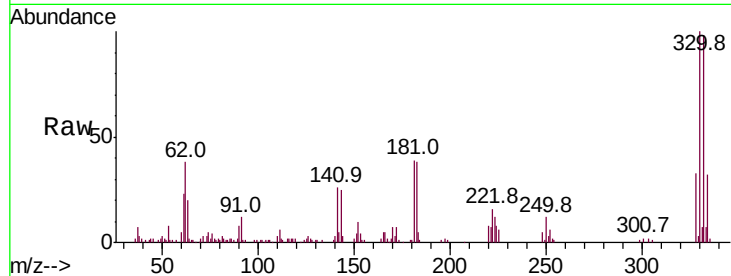
ClientSampleId :

SR-11-D

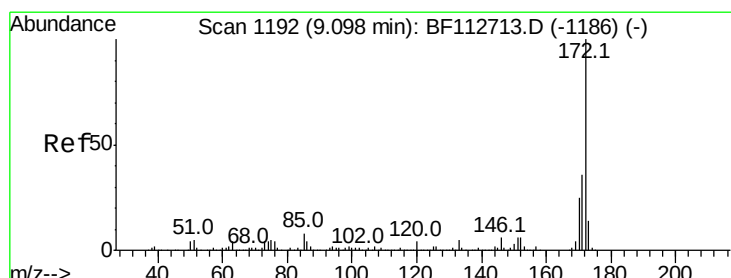
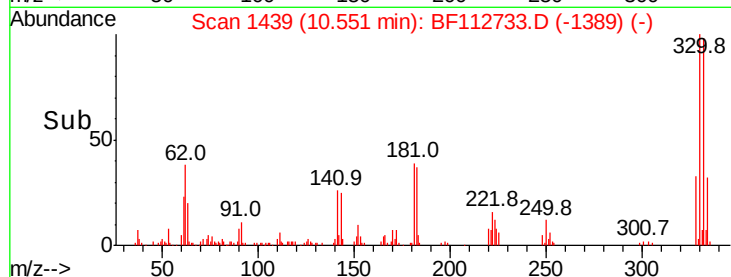
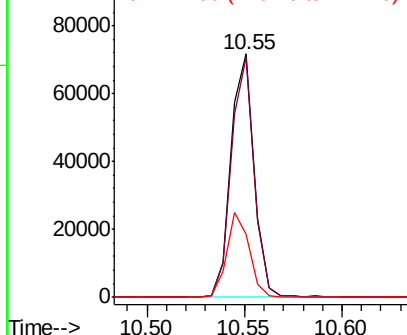
Tot Ion:	330	Resp:	58960
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.2	114.4
141	33.7	27.0	40.6

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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



#45

2-Fluorobiphenyl

Concen: 6.587 ng

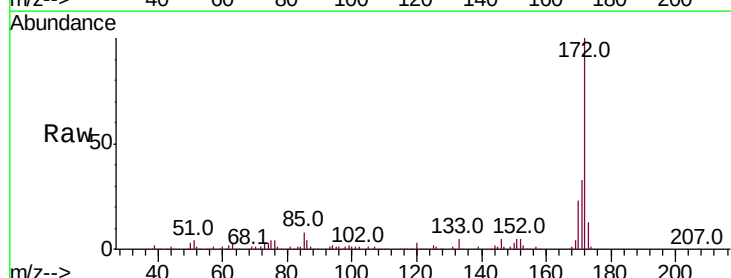
RT: 9.09 min Scan# 1191

Delta R.T. -0.01 min

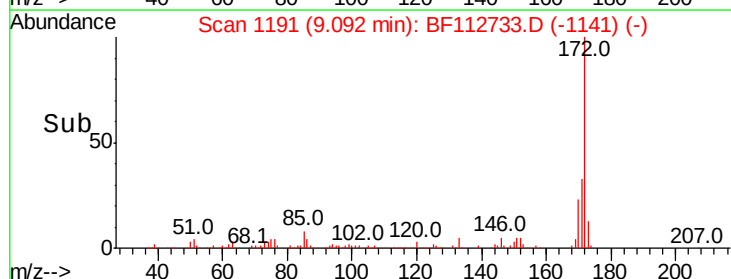
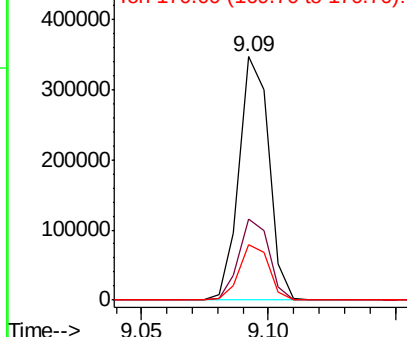
Lab File: BF112733.D

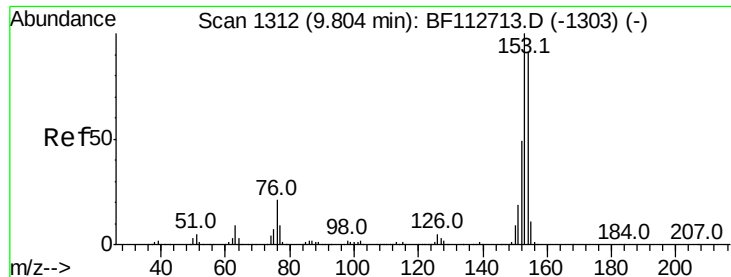
Acq: 27 Feb 2019 21:52

Tgt Ion:	172	Resp:	284467
Ion Ratio	Lower	Upper	
172	100		
171	33.4	29.0	43.4
170	22.9	20.0	30.0



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





#52

Acenaphthene

Concen: 5.921 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Instrument :

BNA_F

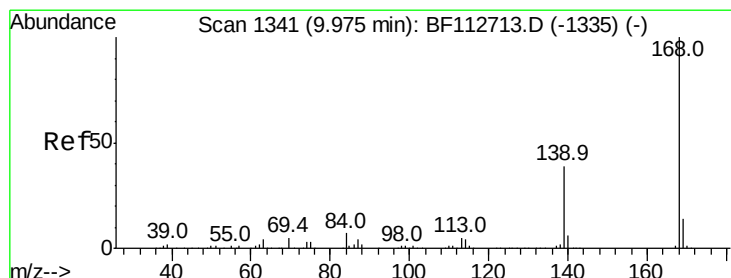
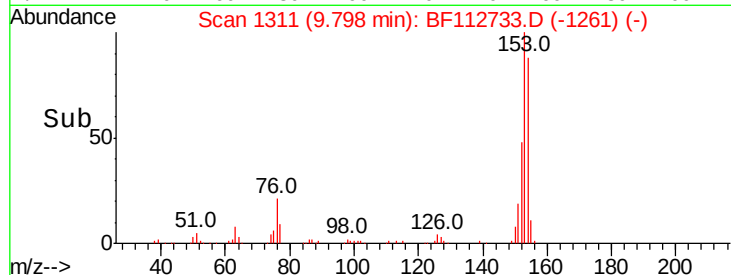
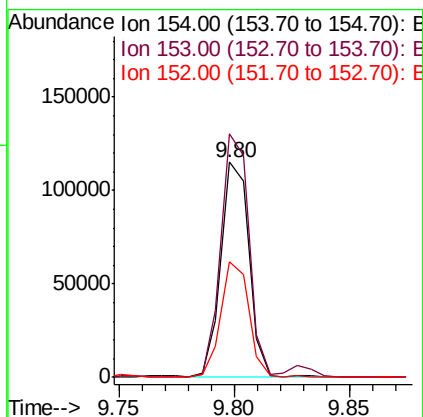
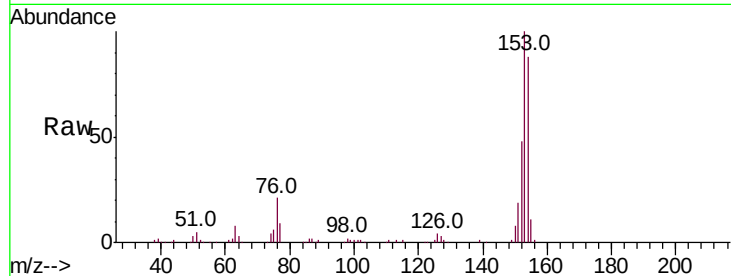
ClientSampleId :

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Tot Ion:	154	Resp:	97469
Ion	Ratio	Lower	Upper
154	100		
153	113.2	87.8	131.8
152	54.0	43.0	64.6

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#55

Dibenzofuran

Concen: 3.967 ng

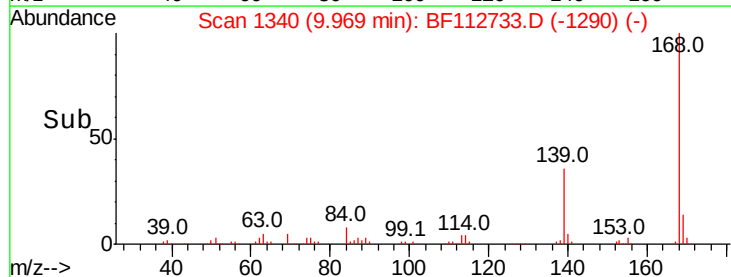
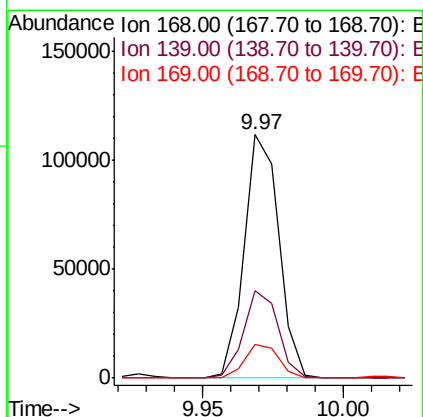
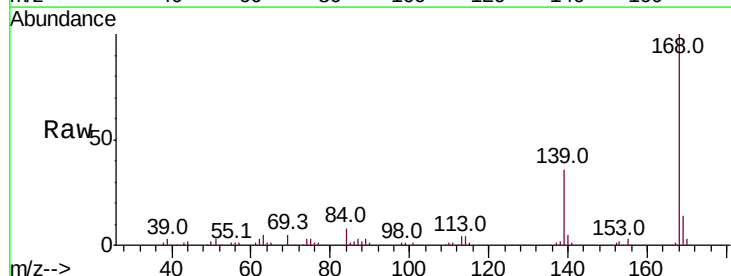
RT: 9.97 min Scan# 1340

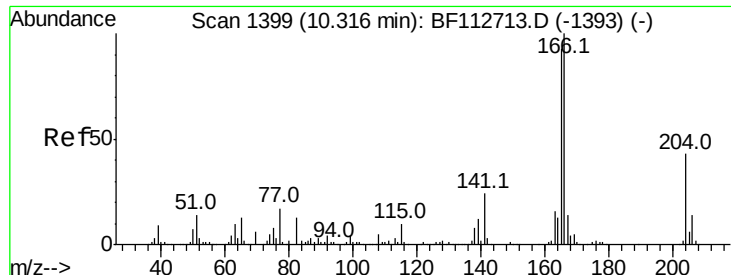
Delta R.T. -0.01 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Tgt Ion:	168	Resp:	94916
Ion	Ratio	Lower	Upper
168	100		
139	35.9	31.3	46.9
169	14.0	11.3	16.9





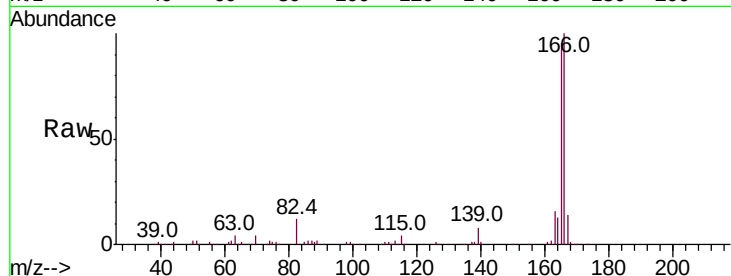
#58
 Fluorene
 Concen: 7.617 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF112733.D
 Acq: 27 Feb 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :
 SR-11-D

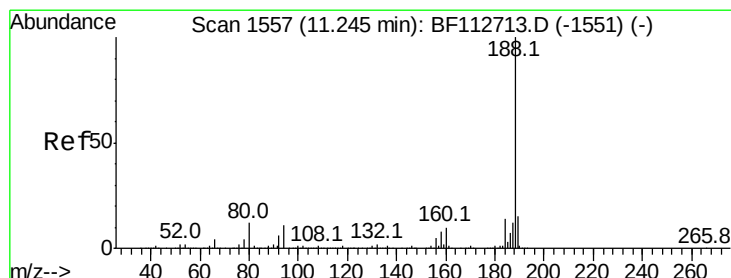
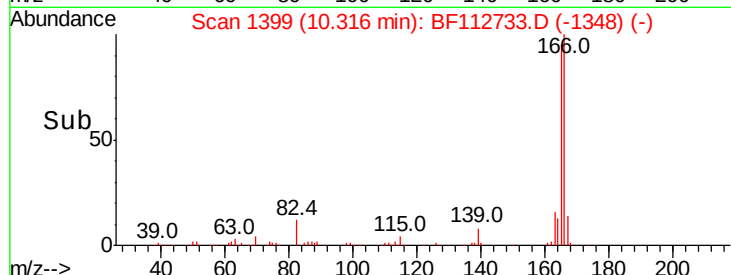
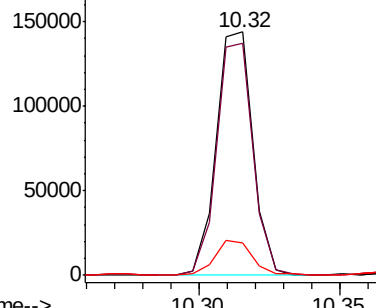
Tot Ion	Ratio	Resp	Lower	Upper
166	100	129344		
165	95.2	74.7	112.1	
167	13.5	11.0	16.6	

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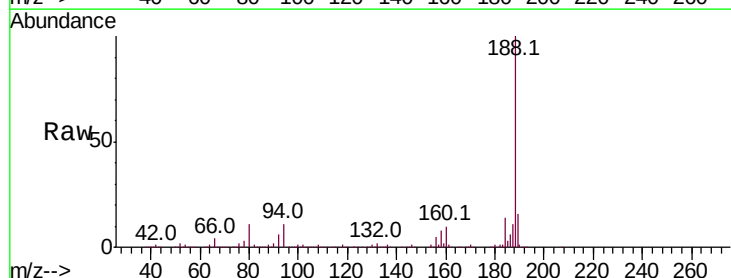


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

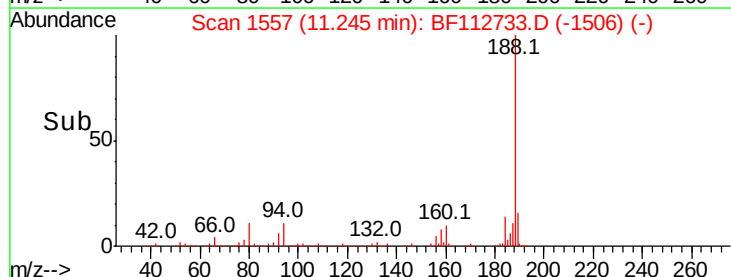
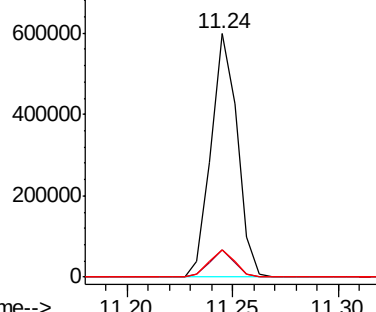


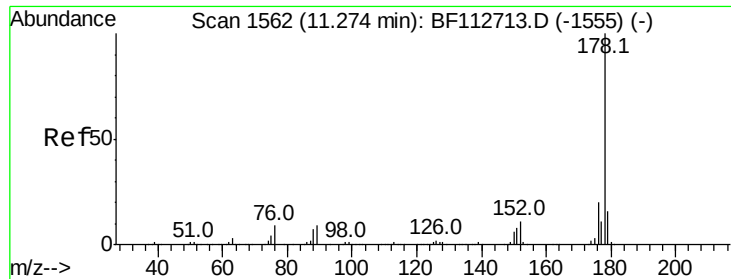
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF112733.D
 Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	513013		
94	11.1	9.0	13.4	
80	11.3	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





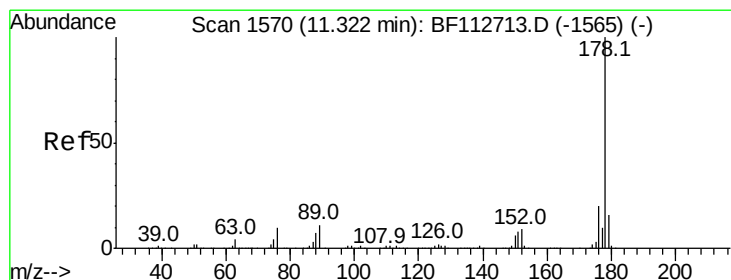
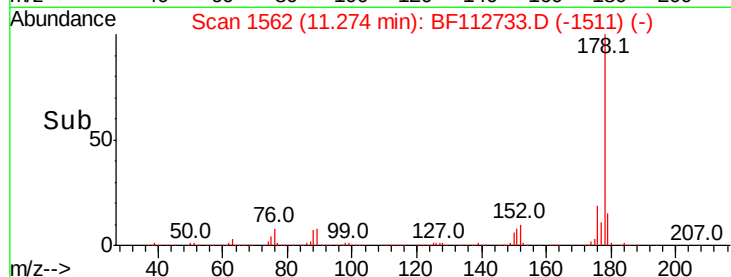
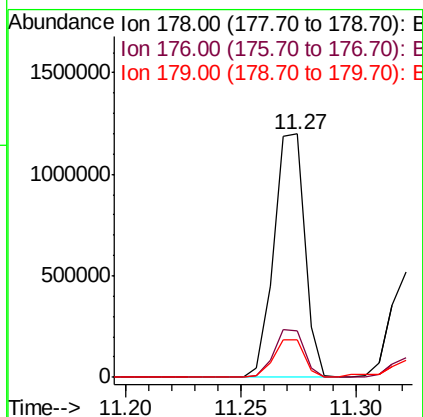
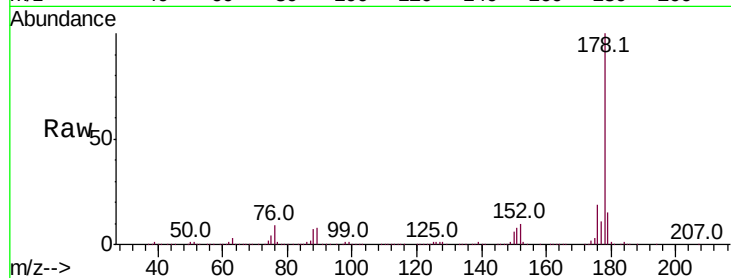
#71
Phenanthrene
Concen: 43.605 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Instrument :
BNA_F
ClientSampleId :
SR-11-D

Tot Ion:178 Resp: 1113004
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 15.2 12.7 19.1

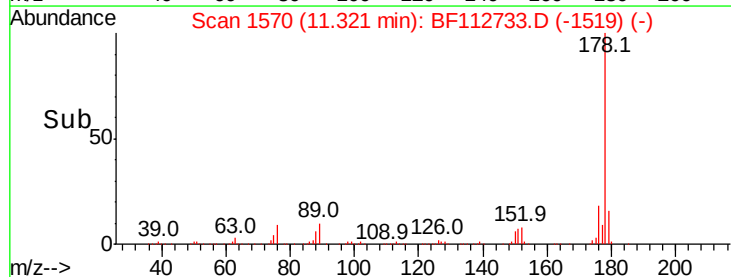
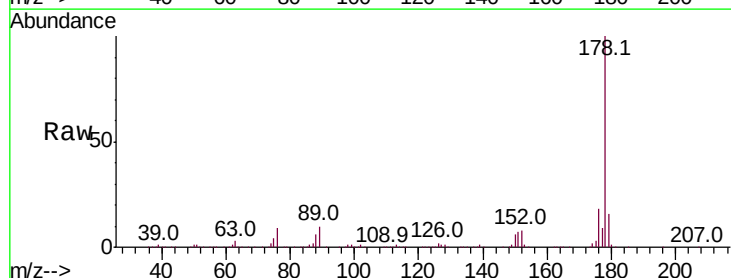
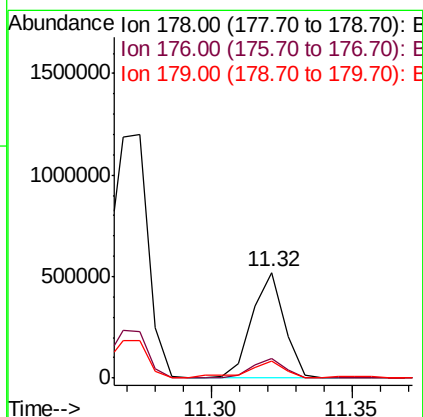
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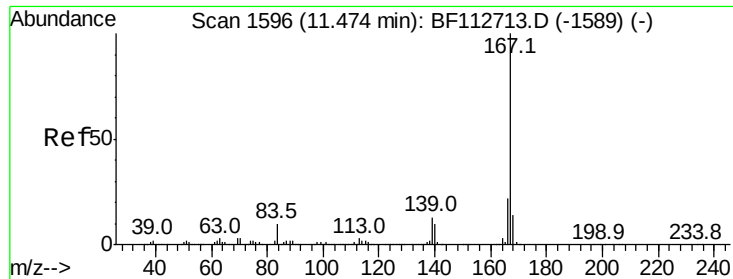
Sohil
2/28/2019 12:47:20 PM



#72
Anthracene
Concen: 15.396 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Tgt Ion:178 Resp: 411351
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 16.0 13.0 19.6





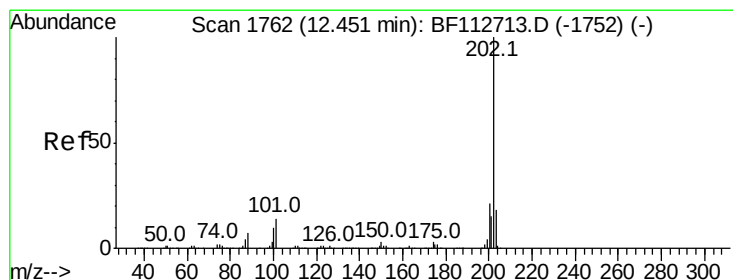
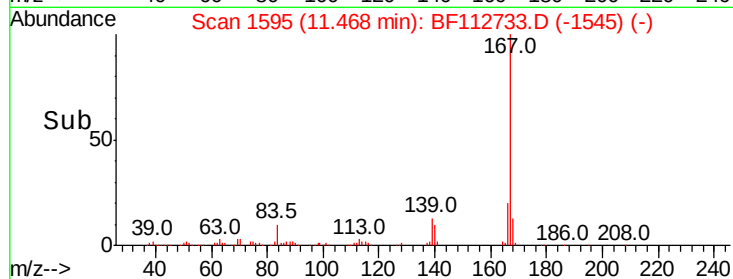
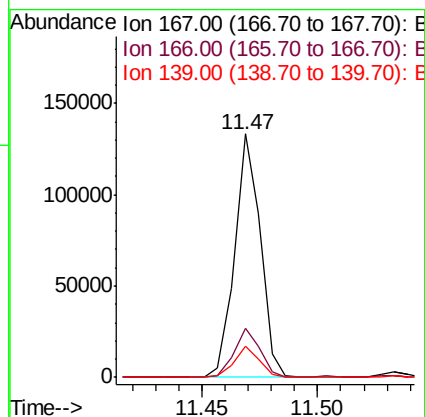
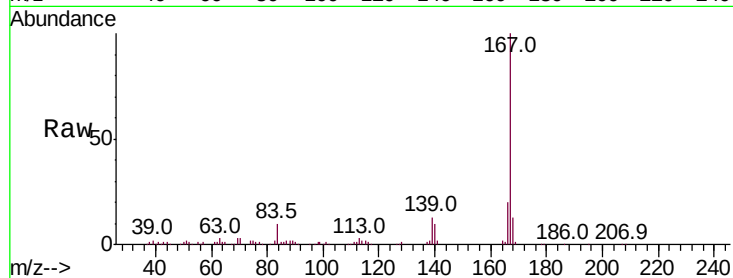
#73
 Carbazole
 Concen: 3.951 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF112733.D
 Acq: 27 Feb 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :
 SR-11-D

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.5	26.3
139	12.6	10.8	16.2

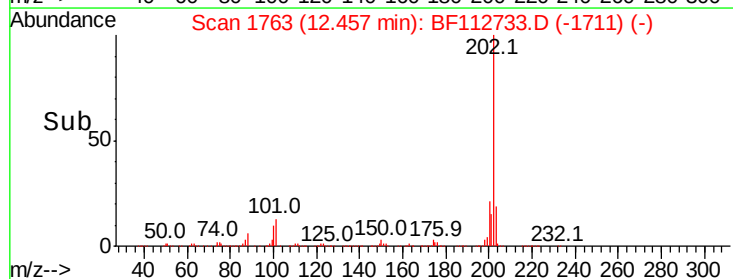
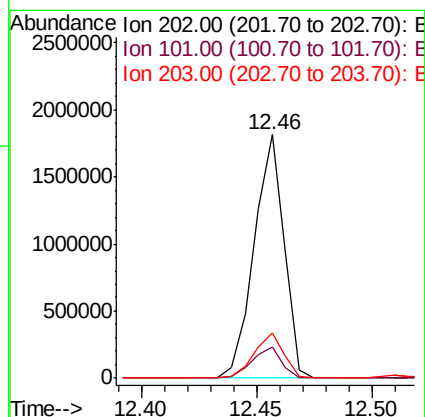
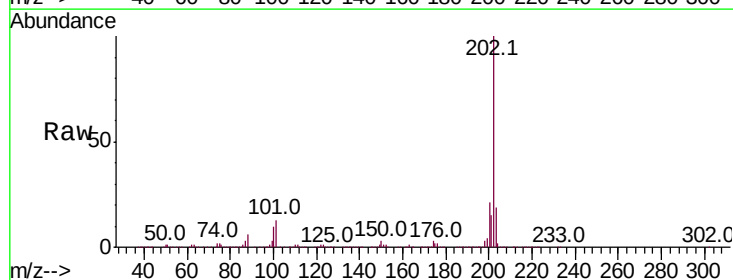
Manual Integrations
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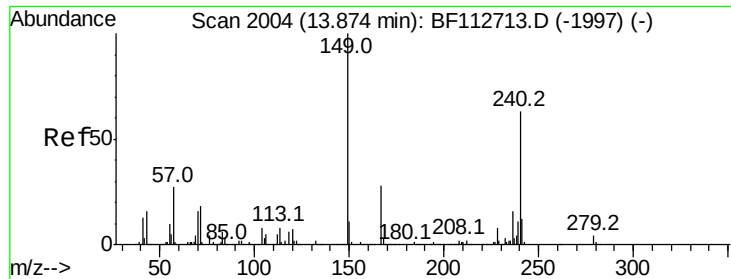
Sohil
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#75
 Fluoranthene
 Concen: 60.074 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF112733.D
 Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.8
203	18.5	0.0	38.4





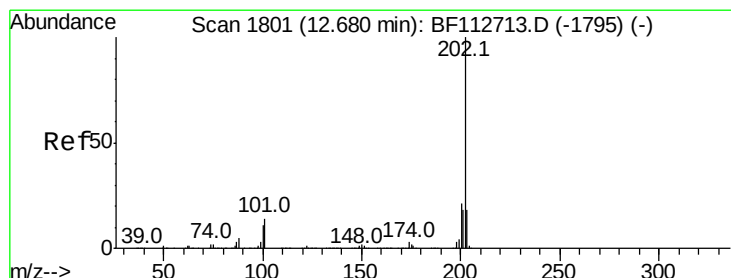
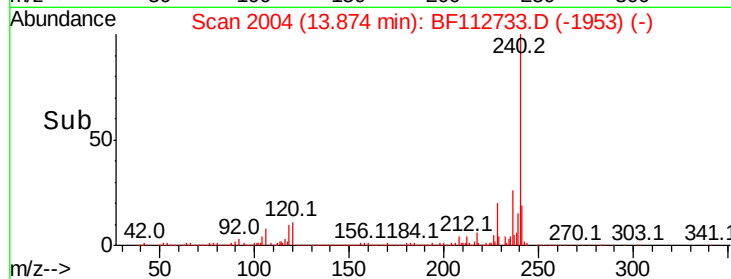
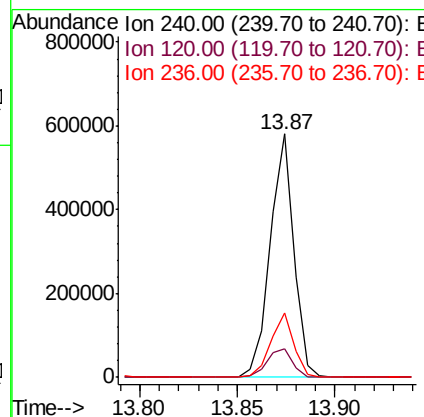
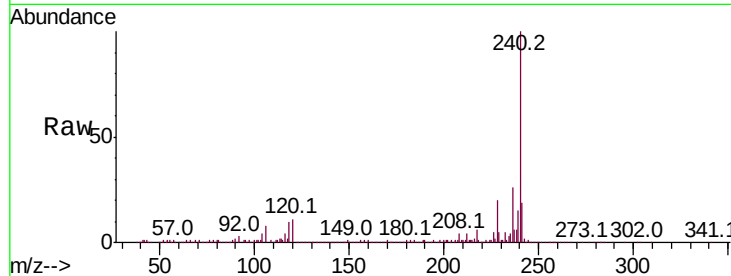
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Instrument :
BNA_F
ClientSampleId :
SR-11-D

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.5	8.9	13.3	
236	26.2	20.7	31.1	

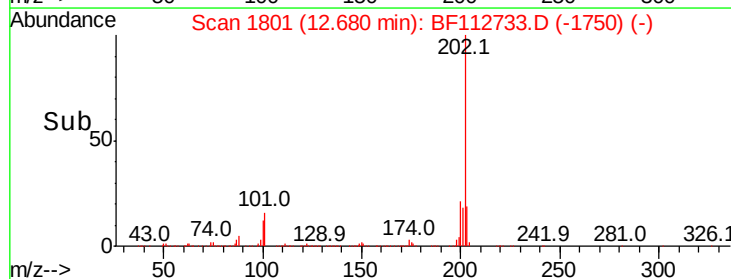
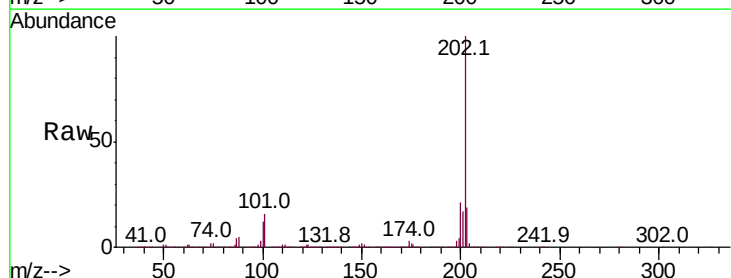
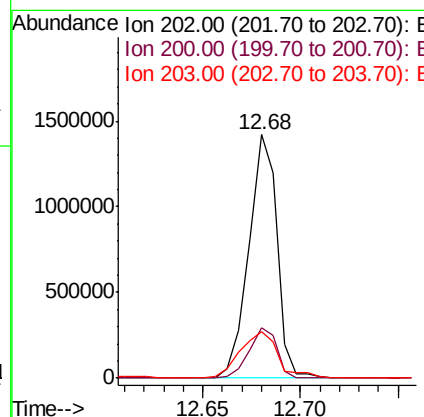
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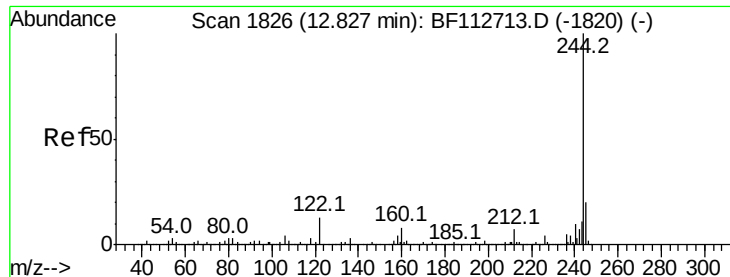
Sohil
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#78
Pyrene
Concen: 34.562 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.0	25.4	
203	18.9	14.4	21.6	





#79

Terphenyl-d14

Concen: 12.579 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Instrument :

BNA_F

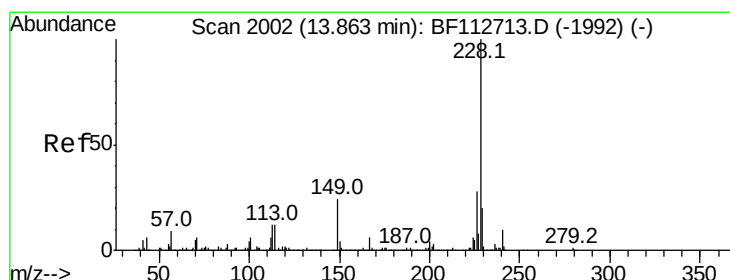
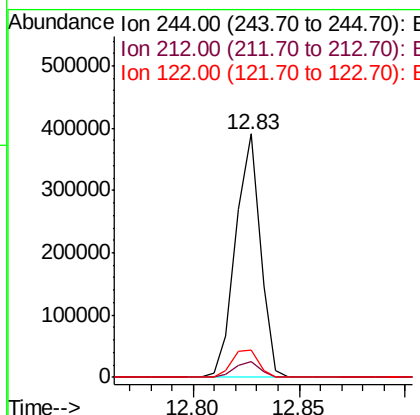
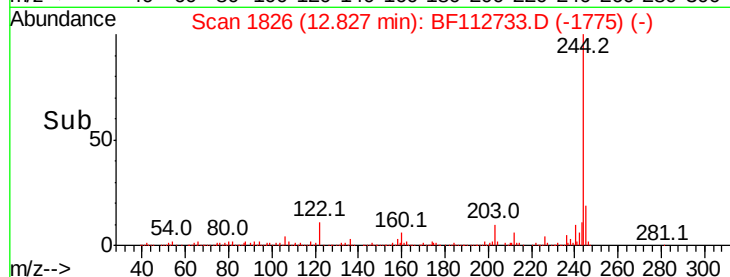
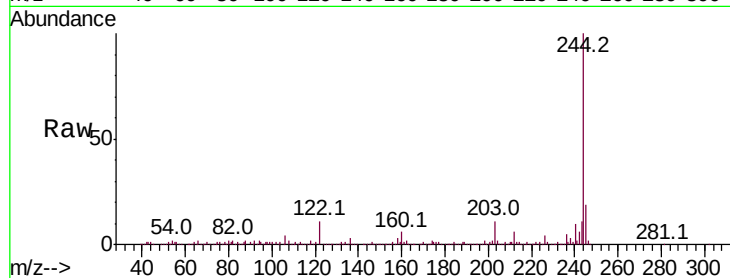
ClientSampled :

SR-11-D

Tot Ion:	244	Resp:	31530
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	11.1	10.5	15.7

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 21.769 ng

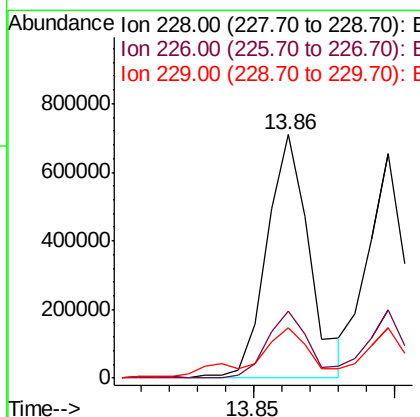
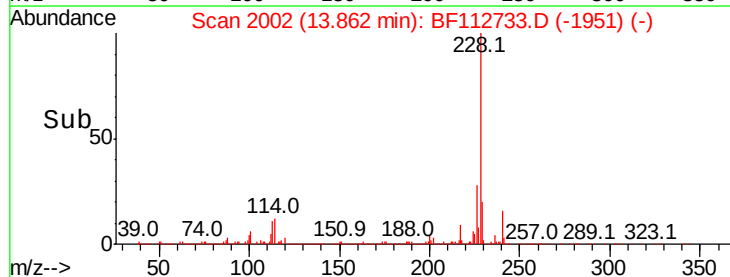
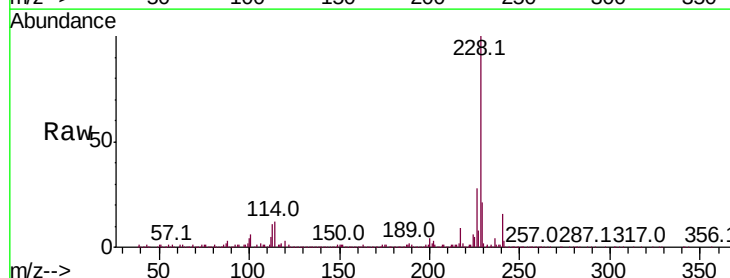
RT: 13.86 min Scan# 2002

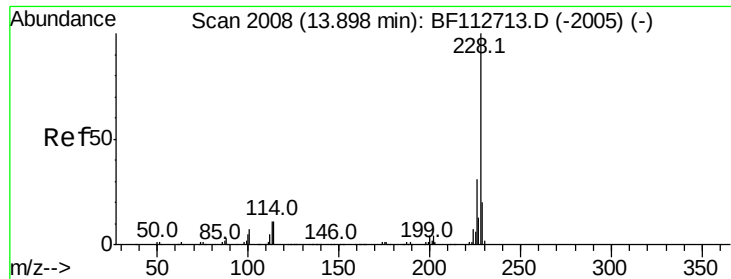
Delta R.T. -0.00 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Tgt Ion:	228	Resp:	733607
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.2	33.4
229	20.6	16.0	24.0





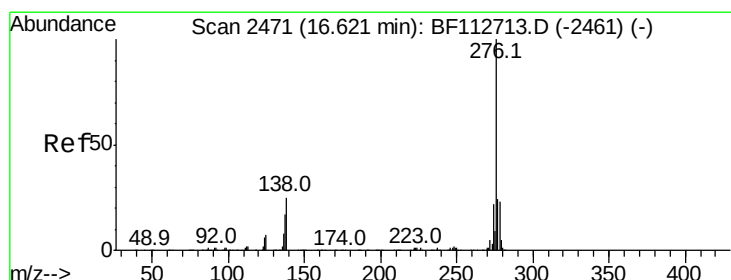
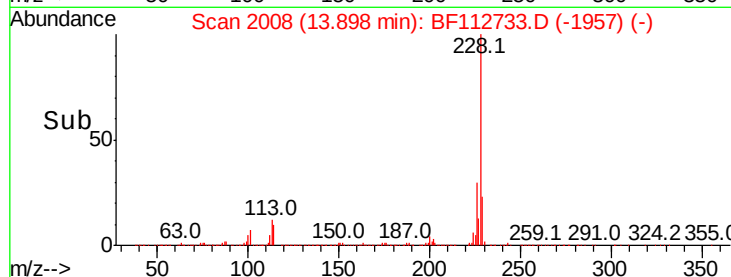
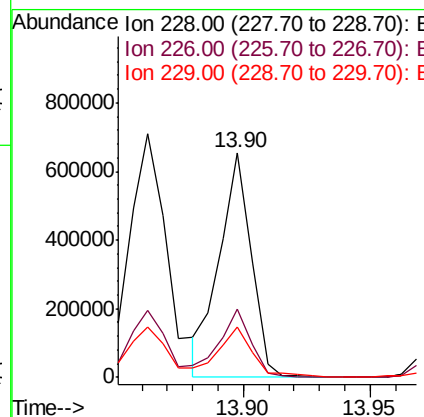
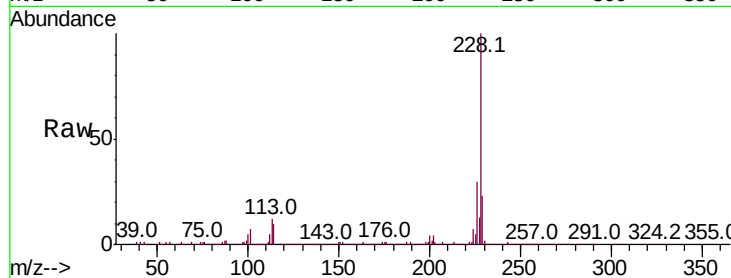
#83
Chrysene
Concen: 17.283 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Instrument :
BNA_F
ClientSampleId :
SR-11-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.7	16.3	24.5

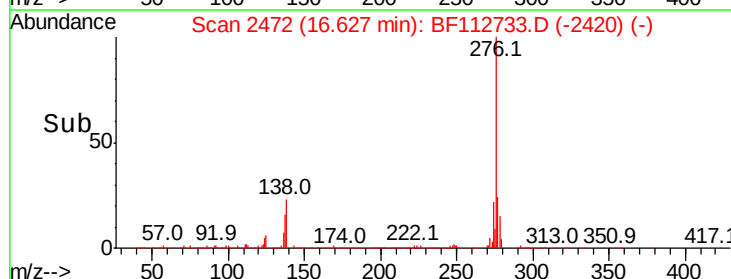
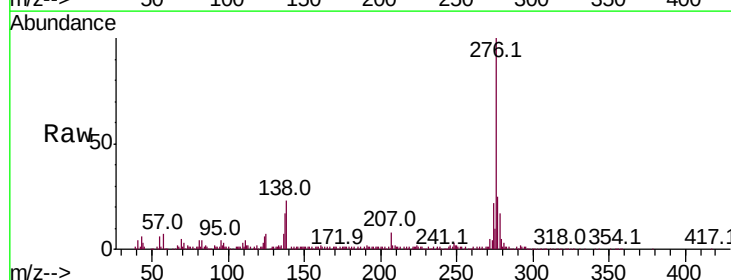
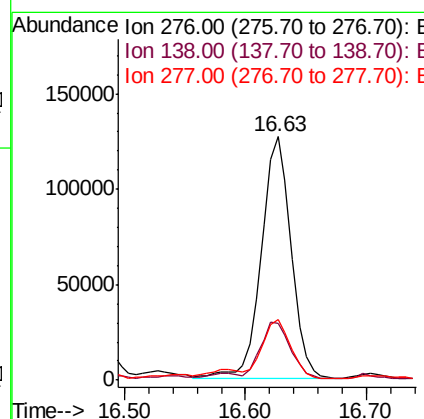
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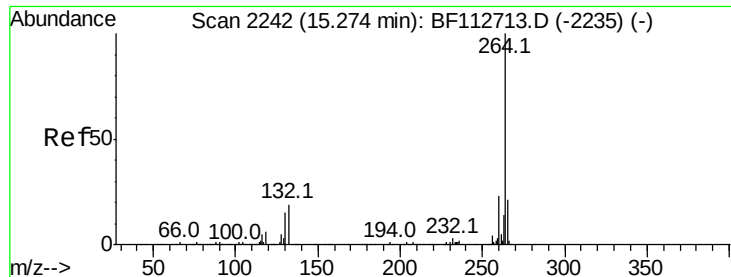
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.698 ng
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	23.2	34.8
277	23.2	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112733.D

Acq: 27 Feb 2019 21:52

Instrument :

BNA_F

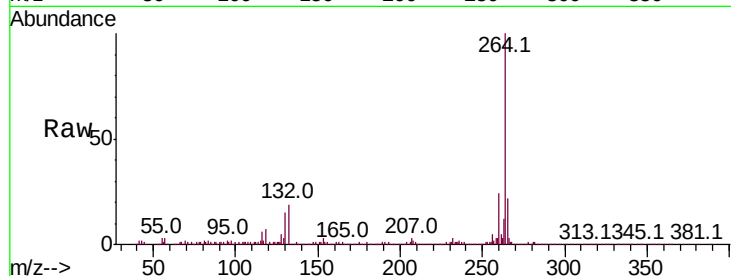
ClientSampleId :

SR-11-D

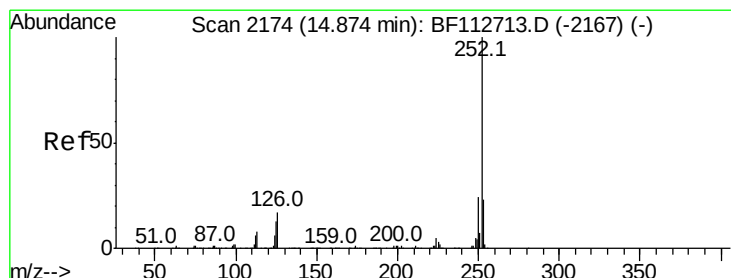
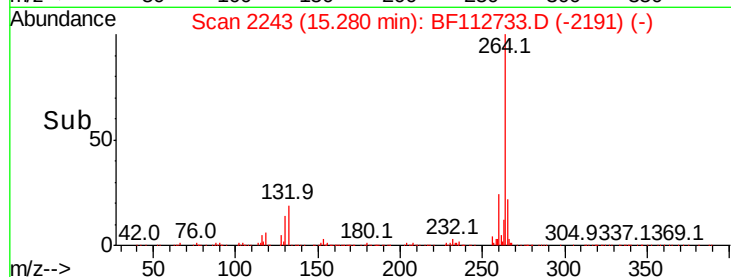
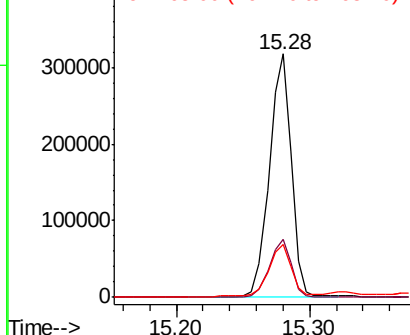
Tot Ion:	264	Resp:	364426
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	21.8	17.2	25.8

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 27.290 ng m

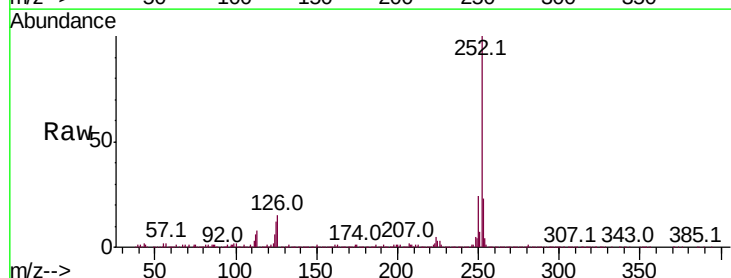
RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

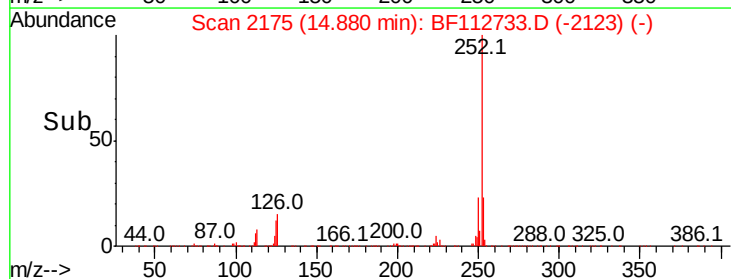
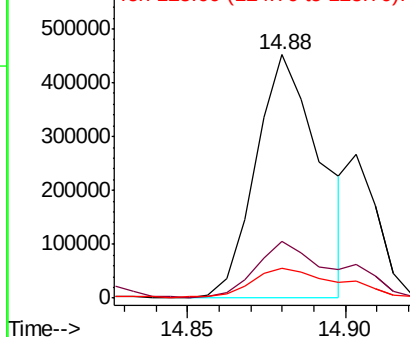
Lab File: BF112733.D

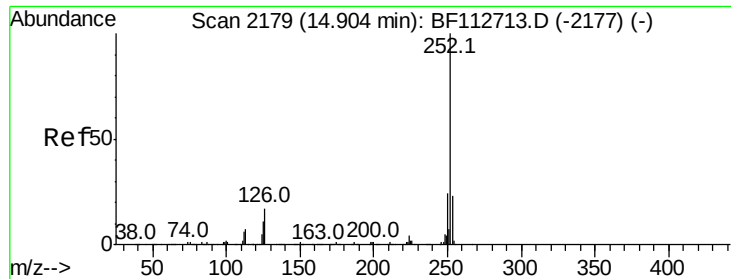
Acq: 27 Feb 2019 21:52

Tgt Ion:	252	Resp:	643287
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	12.4	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





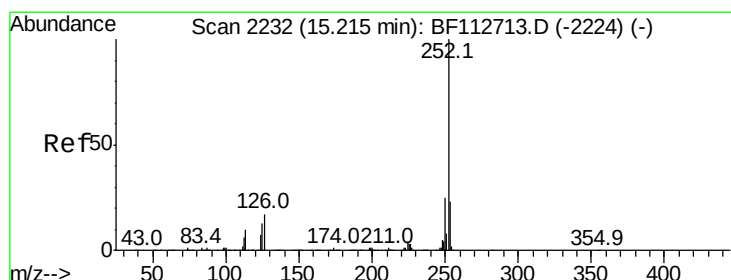
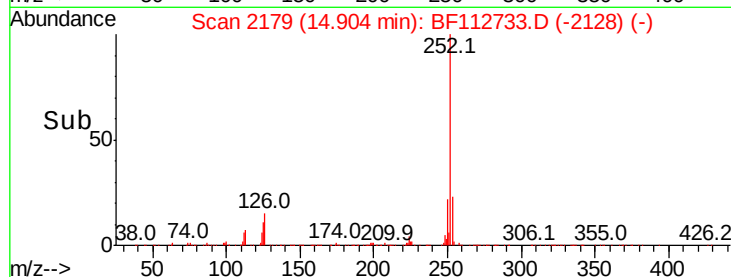
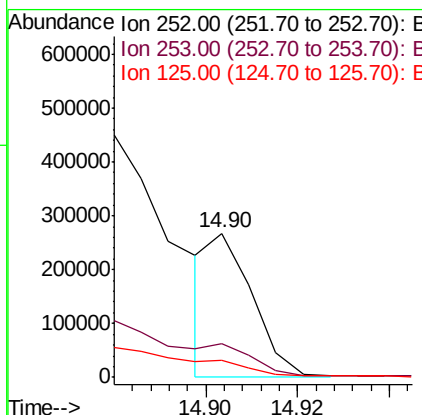
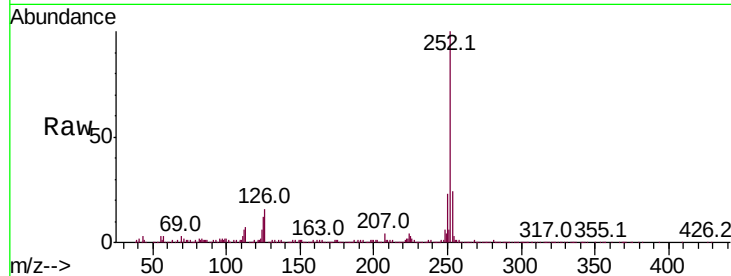
#89
Benzo(k)fluoranthene
Concen: 8.185 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Instrument :
BNA_F
ClientSampleId :
SR-11-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	12.1	9.8	14.6

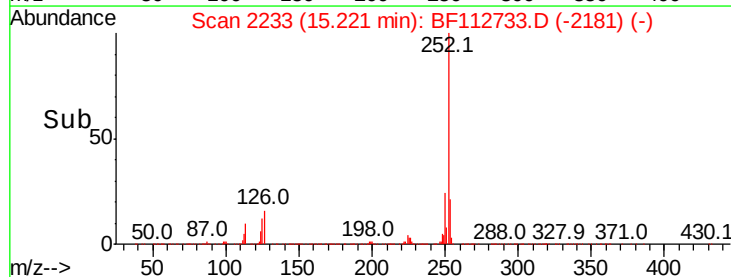
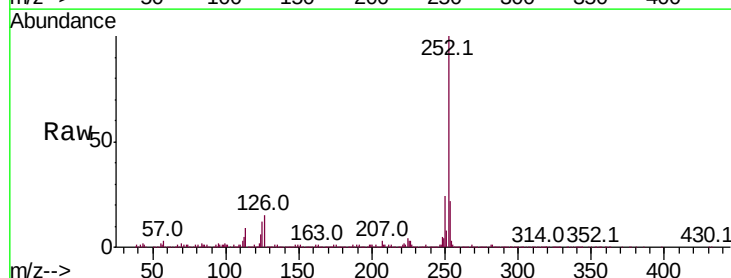
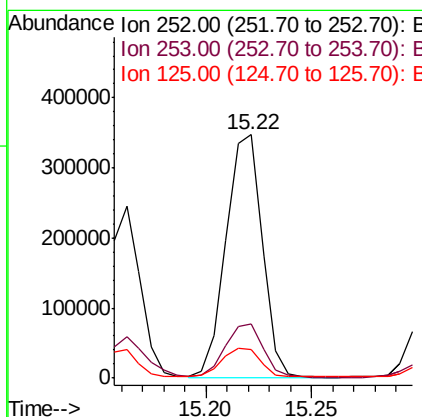
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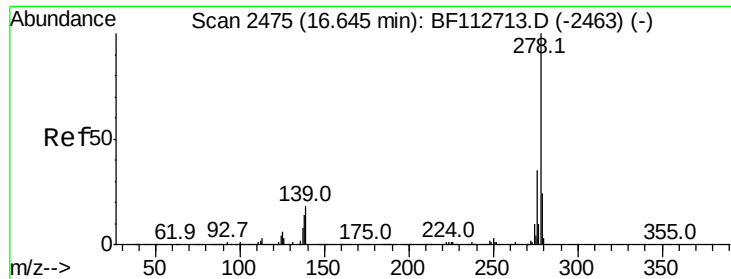
Sohil
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#90
Benzo(a)pyrene
Concen: 19.733 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112733.D
Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.6	10.7	16.1





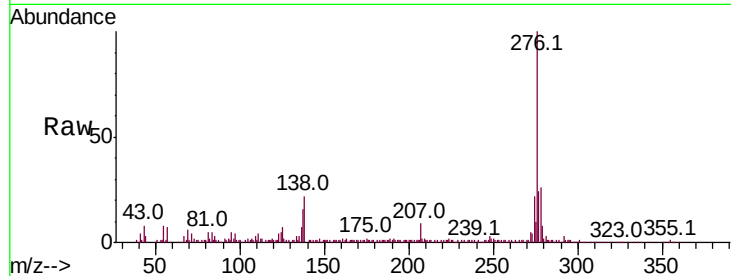
#91
 Dibenzo(a,h)anthracene
 Concen: 2.879 ng m
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF112733.D
 Acq: 27 Feb 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :
 SR-11-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.3	21.5#
279	29.6	19.4	29.0#

Manual Integrations
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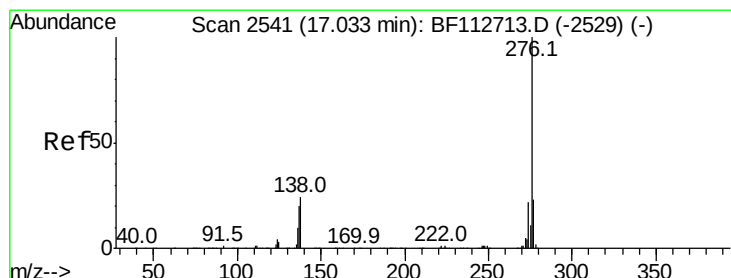
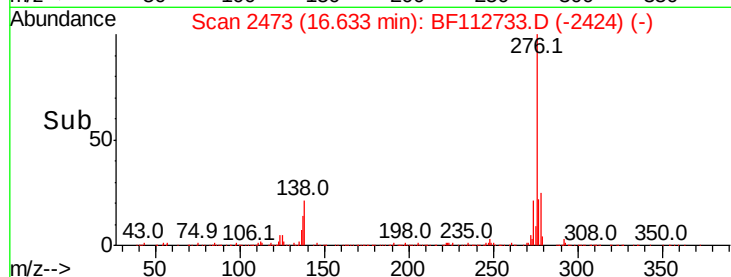
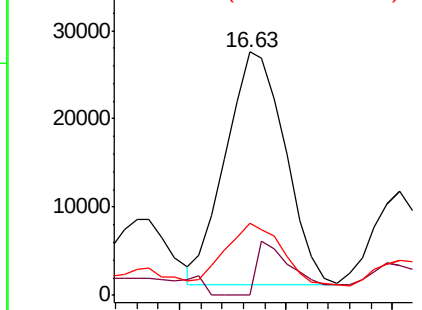


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
 Benzo(g,h,i)perylene
 Concen: 10.893 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BF112733.D
 Acq: 27 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	27.8
138	23.1	19.4	29.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

