

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
 Data File : BF113087.D
 Acq On : 18 Mar 2019 13:48
 Operator : JU/SJ
 Sample : K1933-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3

Manual Integrations
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Quant Time: Mar 19 05:12:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	187331	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	699825	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	319304	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	572207	20.00	ng	0.00
76) Chrysene-d12	13.86	240	423291	20.00	ng	0.00
87) Perylene-d12	15.27	264	424166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1136633	94.38	ng	0.00
7) Phenol-d6	6.38	99	1479893	97.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	877955	75.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	398701	117.62	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1390170	68.55	ng	0.00
79) Terphenyl-d14	12.82	244	1089547	49.90	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.47	163	120387	5.113	ng	Qvalue # 98
71) Phenanthrene	11.26	178	132660	4.660	ng	98
75) Fluoranthene	12.45	202	193181	6.333	ng	95
78) Pyrene	12.67	202	153353	4.297	ng	99
81) Benzo(a)anthracene	13.85	228	77009	2.625	ng	99
83) Chrysene	13.89	228	74530	2.594	ng	96
88) Benzo(b)fluoranthene	14.87	252	90134m	3.285	ng	
90) Benzo(a)pyrene	15.22	252	62430	2.573	ng	# 91
92) Benzo(g,h,i)perylene	17.04	276	44822	2.156	ng	# 93

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

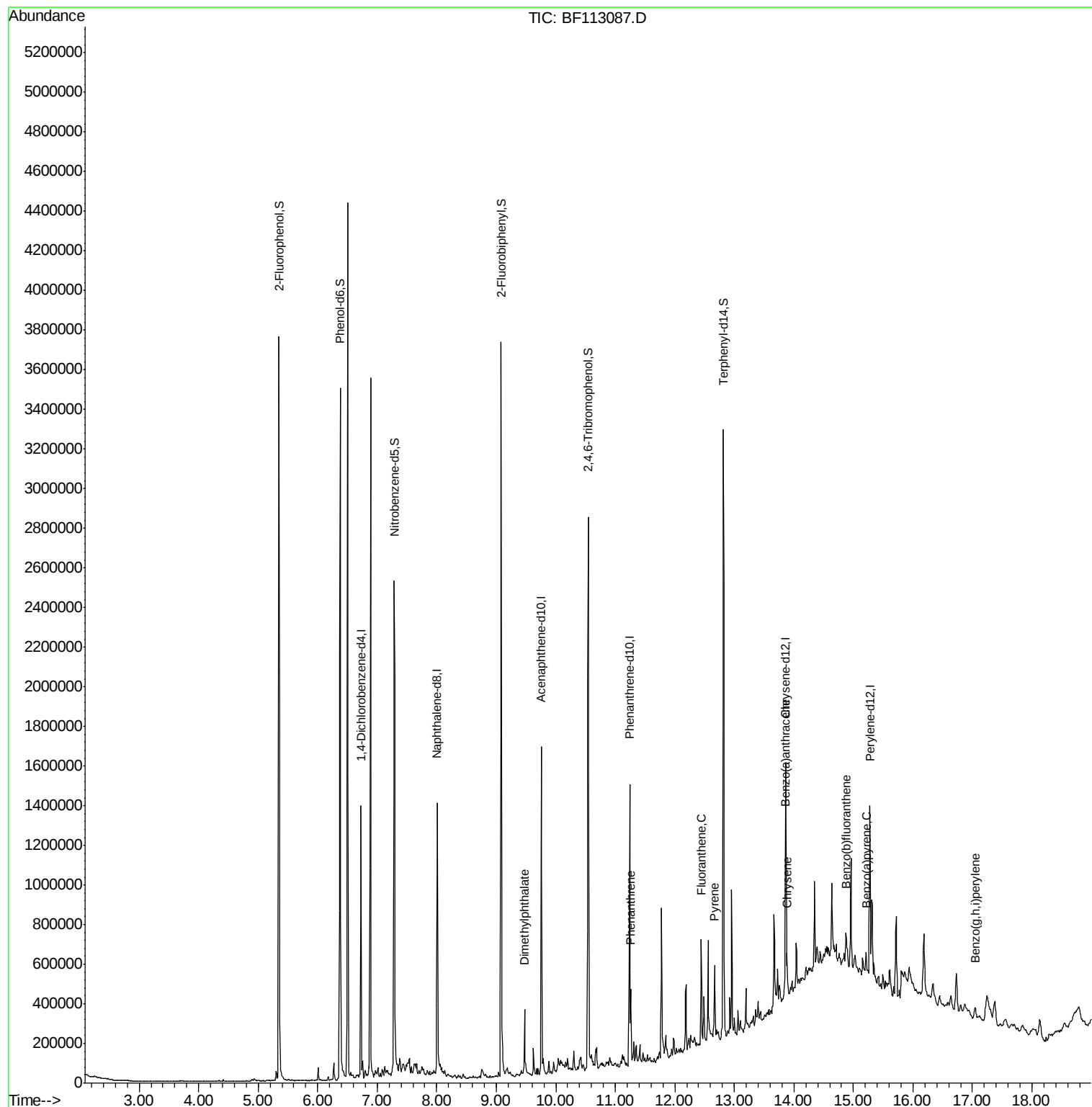
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113087.D
Acq On : 18 Mar 2019 13:48
Operator : JU/SJ
Sample : K1933-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

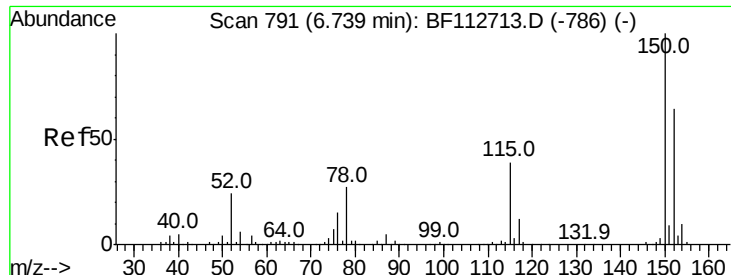
Instrument :
BNA_F
ClientSampleId :
S-3

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#1

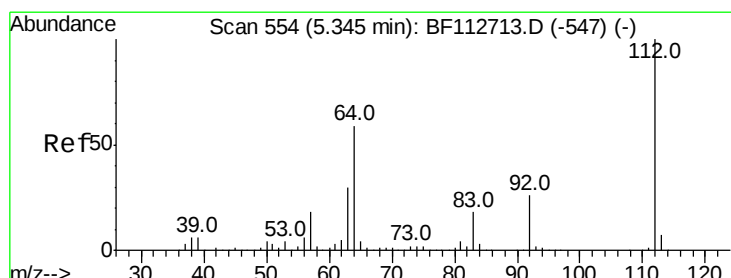
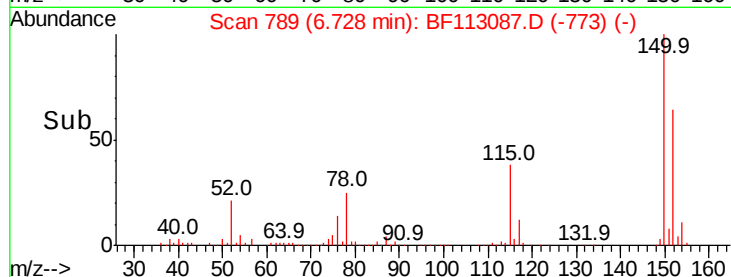
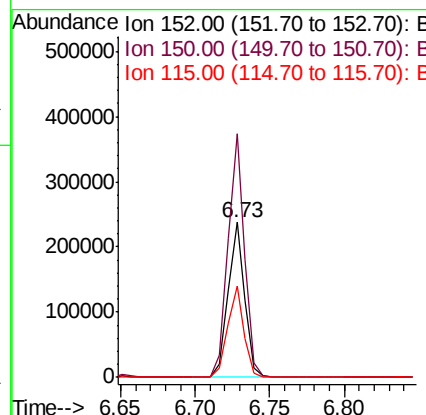
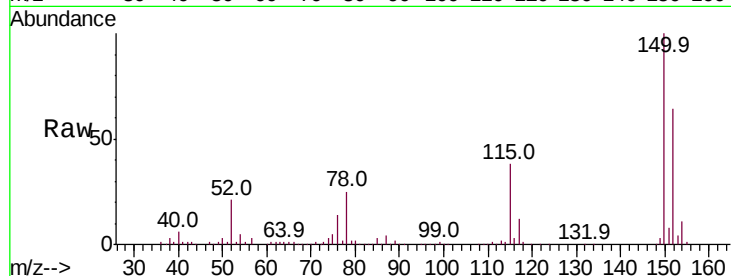
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Instrument :
BNA_F
ClientSampled :
S-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.2	186.2
115	58.9	48.2	72.4

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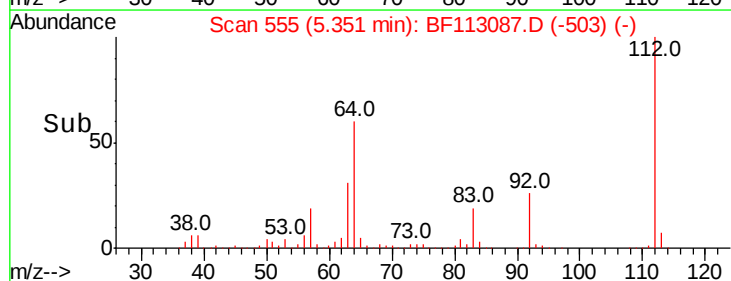
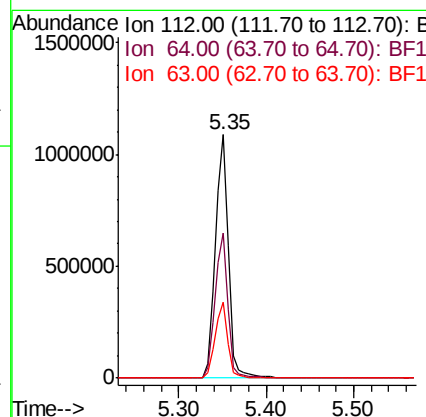
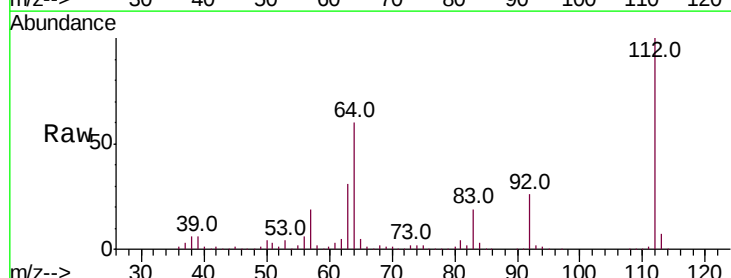
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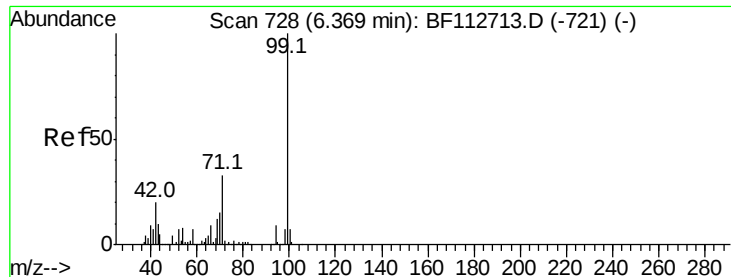


#5

2-Fluorophenol
Concen: 94.383 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.6	71.4
63	31.0	24.4	36.6





#7

Phenol-d6

Concen: 97.826 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

S-3

Tot Ion: 99 Resp: 1479893

Ion Ratio Lower Upper

99 100

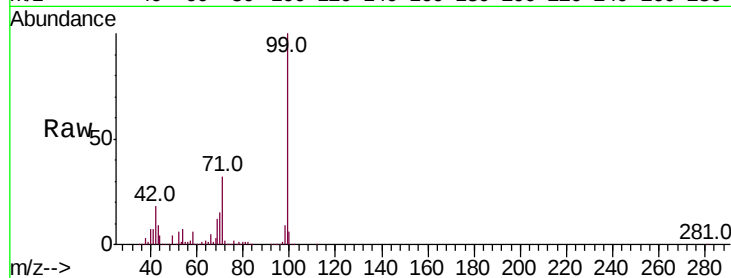
42 17.7 16.3 24.5

71 31.5 26.2 39.4

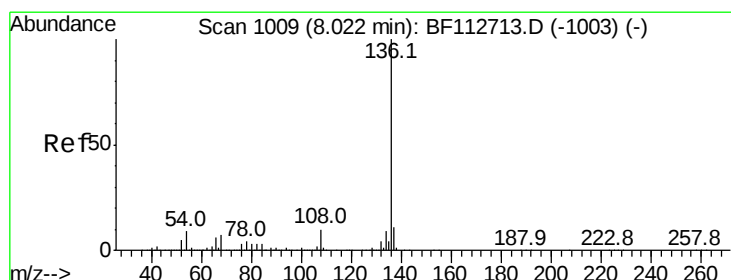
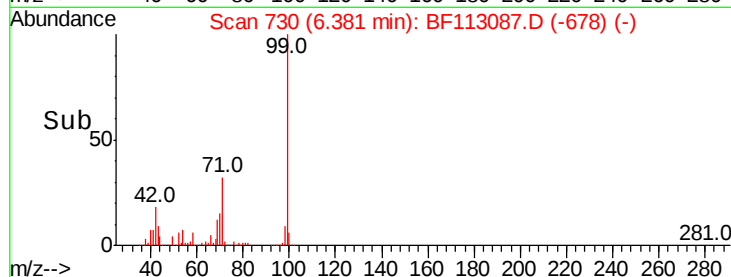
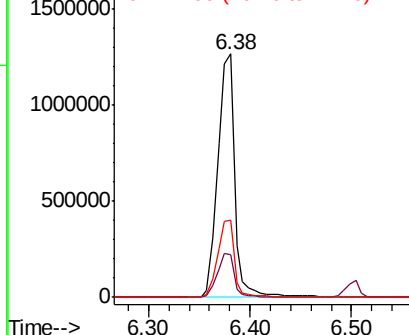
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Tgt Ion: 136 Resp: 699825

Ion Ratio Lower Upper

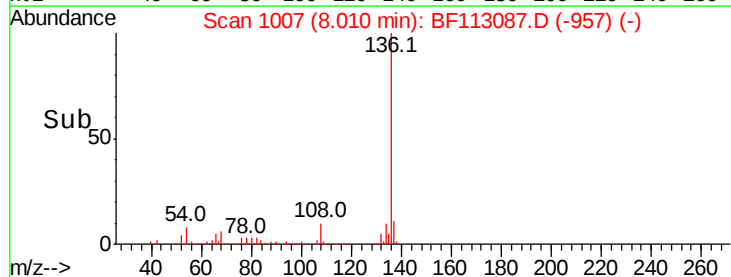
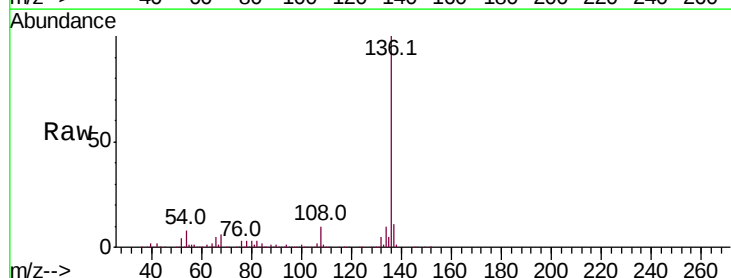
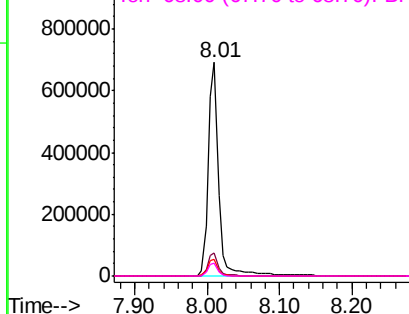
136 100

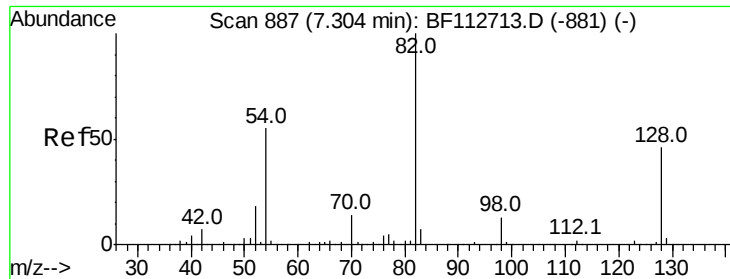
137 10.9 8.9 13.3

54 7.6 7.3 10.9

68 5.9 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





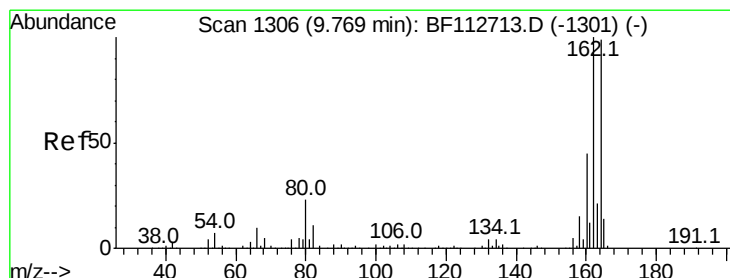
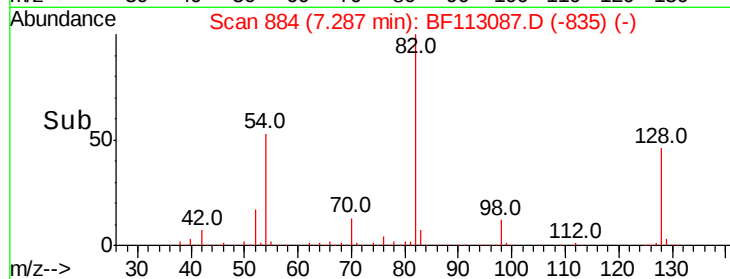
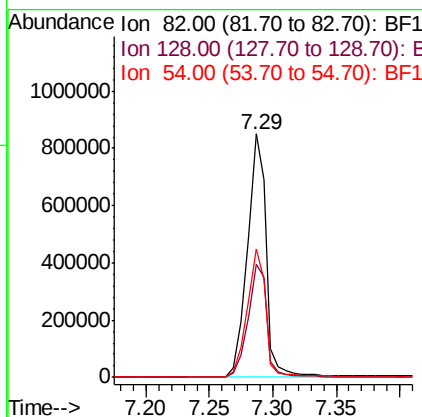
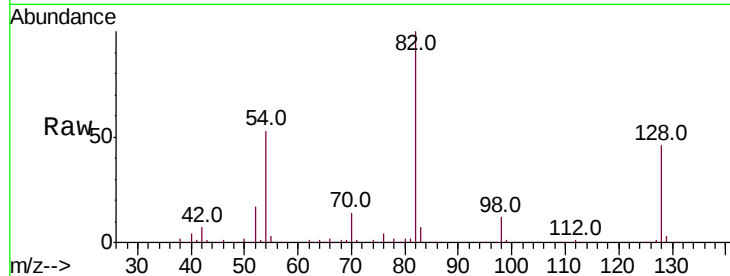
#23
 Nitrobenzene-d5
 Concen: 75.069 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampled :
 S-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.3	54.5
54	52.8	43.7	65.5

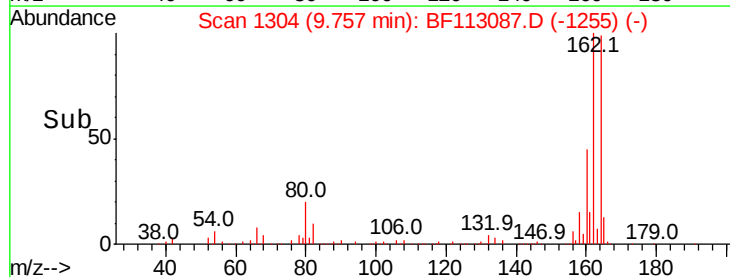
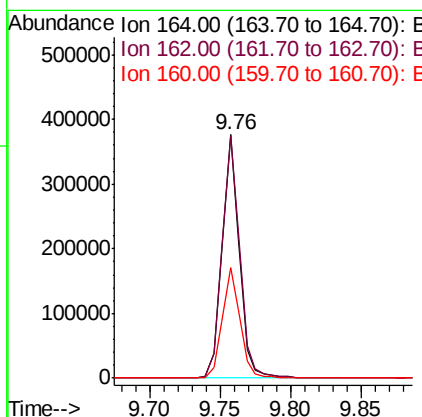
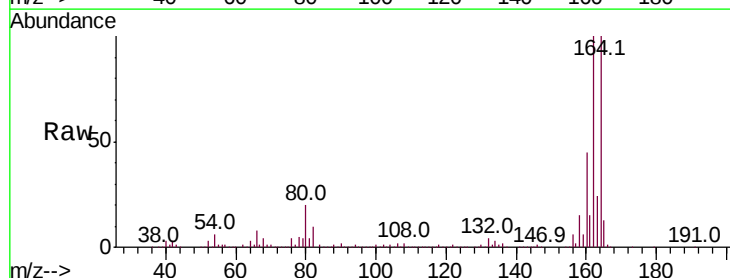
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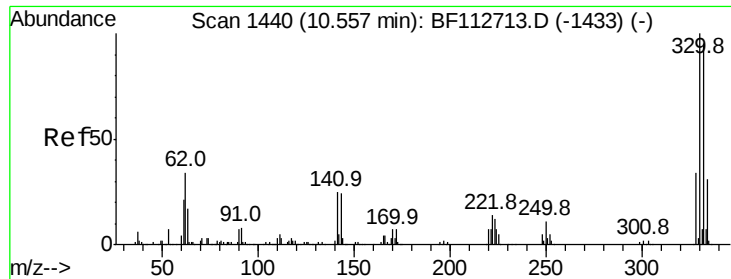
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	45.1	36.0	54.0





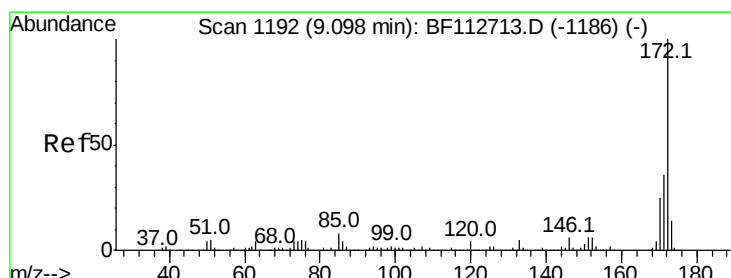
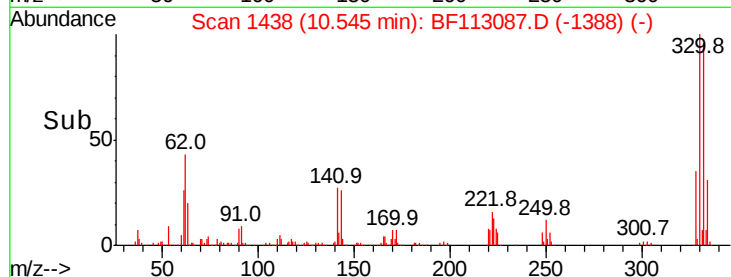
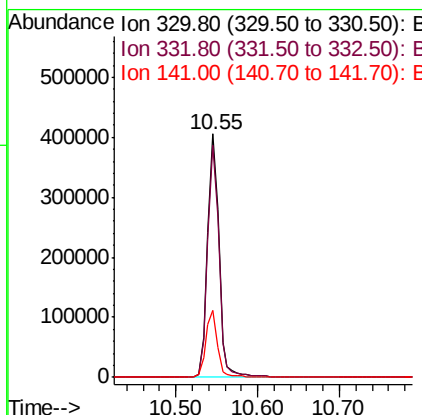
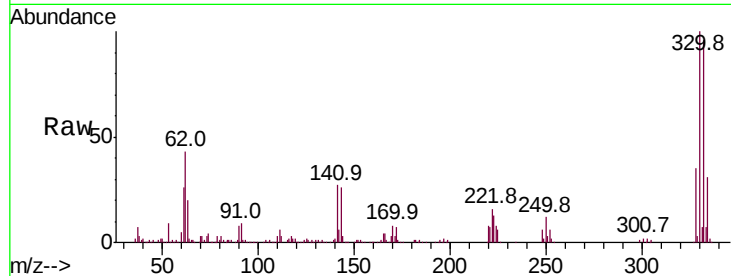
#42
 2,4,6-Tribromophenol
 Concen: 117.617 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampled :
 S-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	398701		
332	95.4	76.2	114.4	
141	28.0	27.0	40.6	

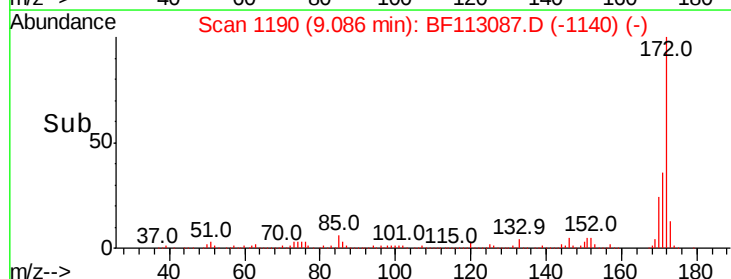
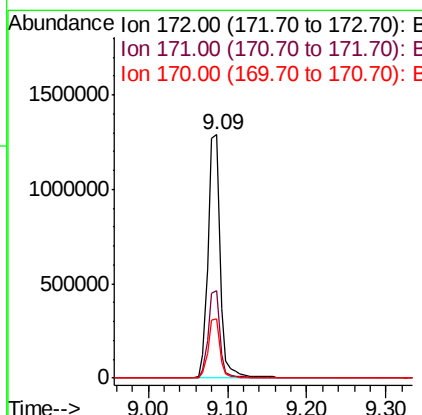
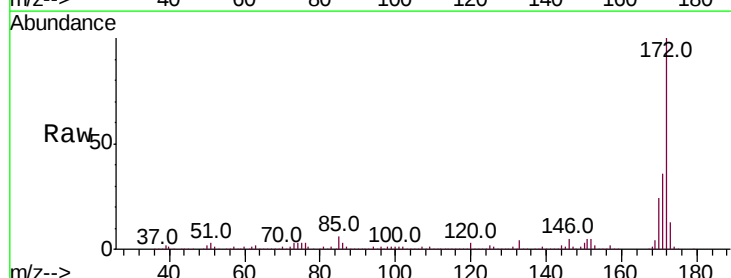
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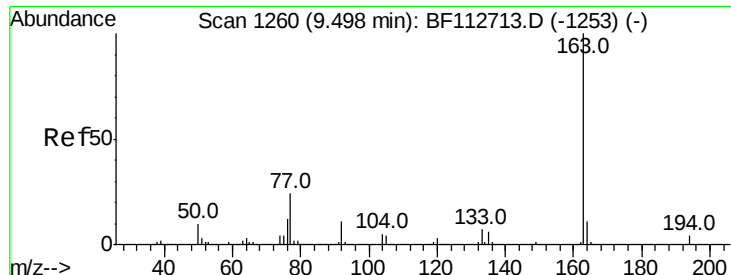
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#45
 2-Fluorobiphenyl
 Concen: 68.545 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1390170		
171	35.8	29.0	43.4	
170	24.2	20.0	30.0	





#50

Dimethylphthalate

Concen: 5.113 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

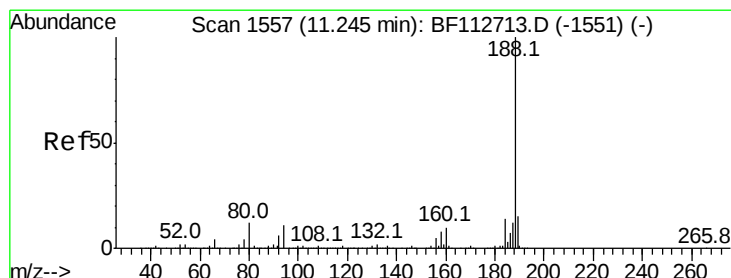
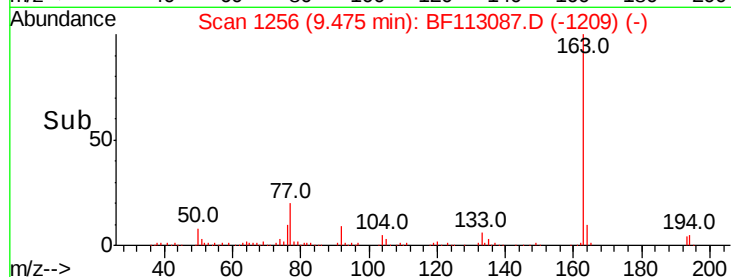
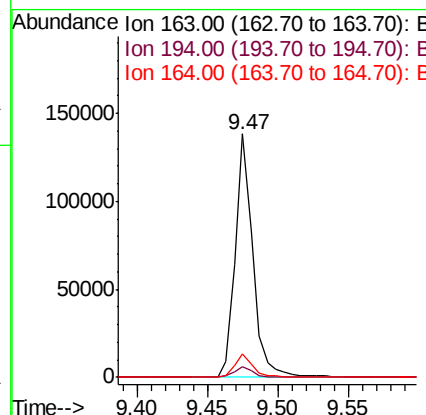
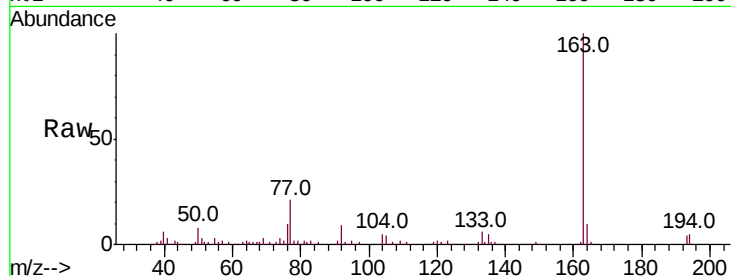
ClientSampled :

S-3

Tot Ion:	163	Resp:	120387
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.0	4.4#
164	9.9	8.4	12.6

Manual Integrations
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#64

Phenanthrene-d10

Concen: 20.000 ng

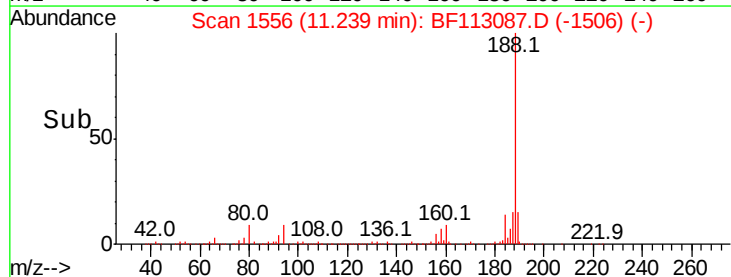
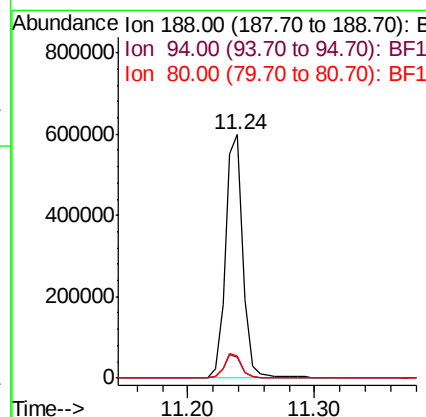
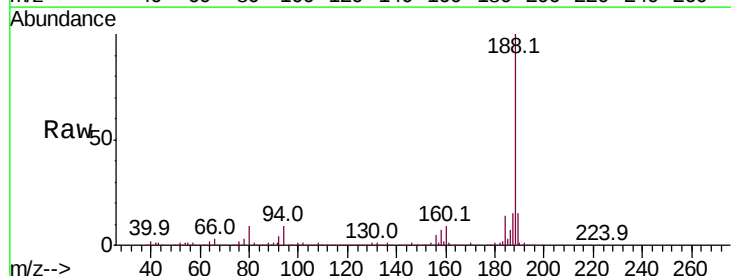
RT: 11.24 min Scan# 1556

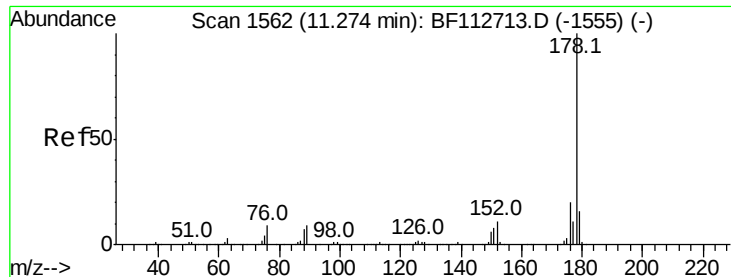
Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Tgt Ion:	188	Resp:	572207
Ion Ratio	Lower	Upper	
188	100		
94	8.7	9.0	13.4#
80	9.0	9.2	13.8#





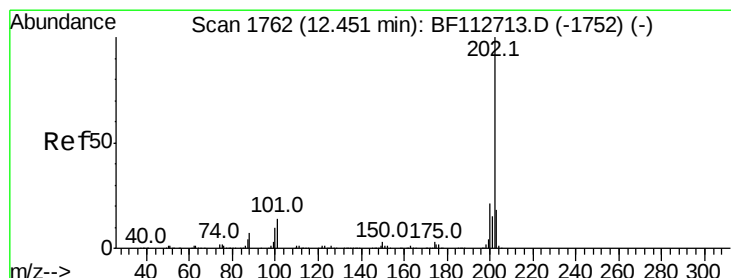
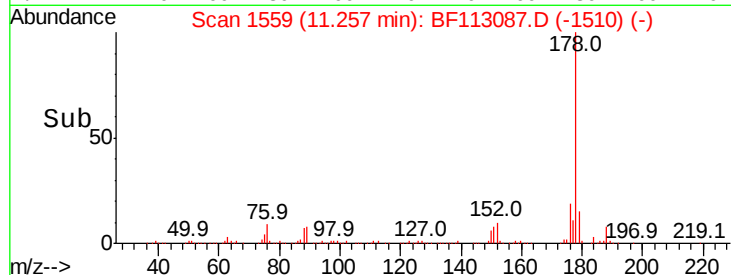
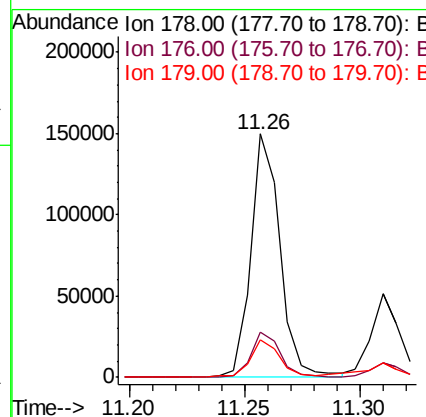
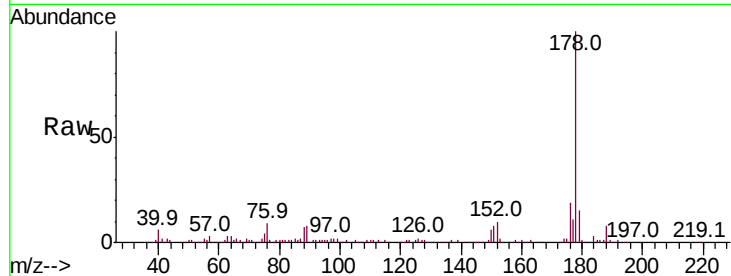
#71
Phenanthrene
Concen: 4.660 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :
S-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.3	24.5
179	15.4	12.7	19.1

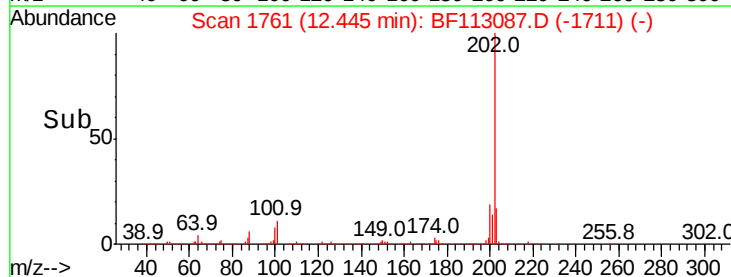
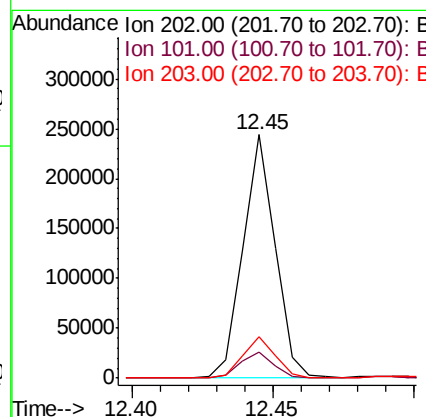
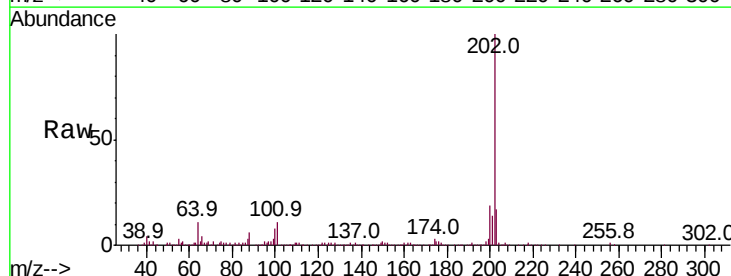
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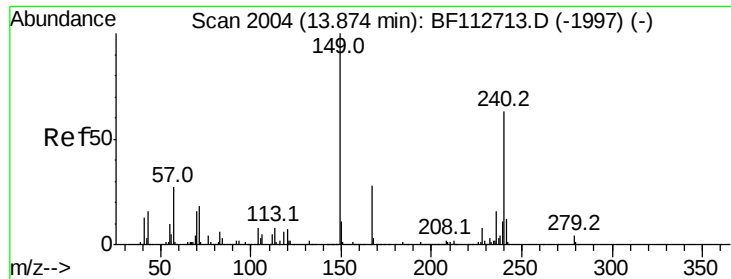
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#75
Fluoranthene
Concen: 6.333 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	33.8
203	16.7	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Instrument :

BNA_F

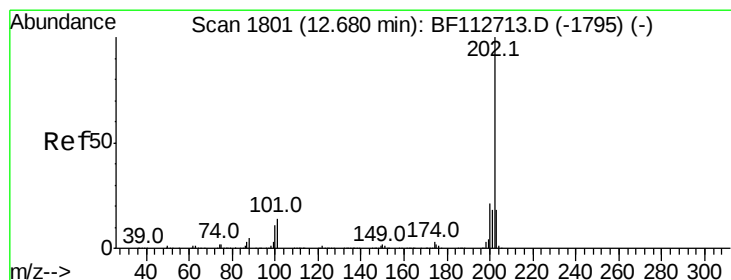
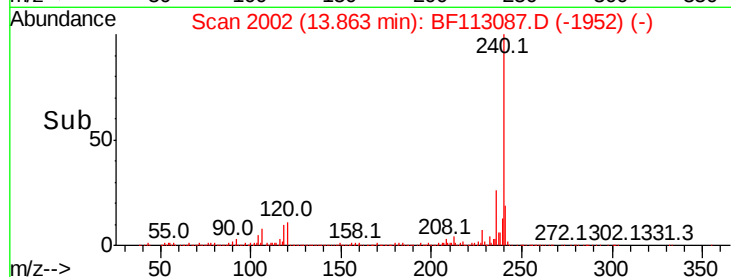
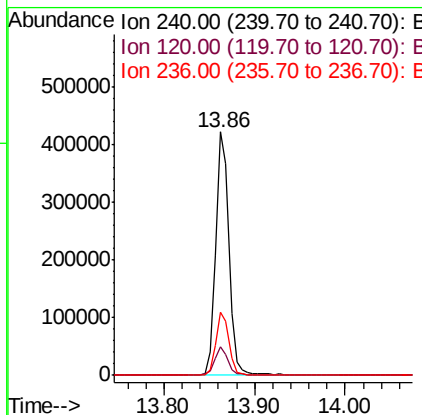
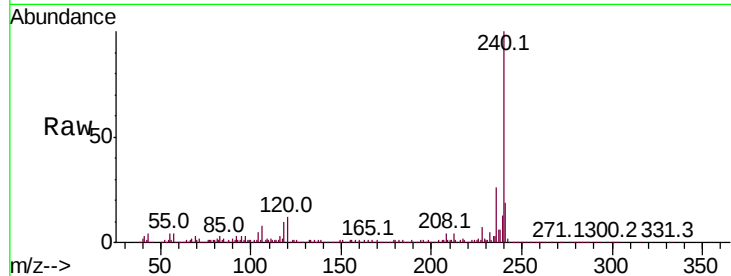
ClientSampled :

S-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	25.7	20.7	31.1

Manual Integrations
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#78

Pyrene

Concen: 4.297 ng

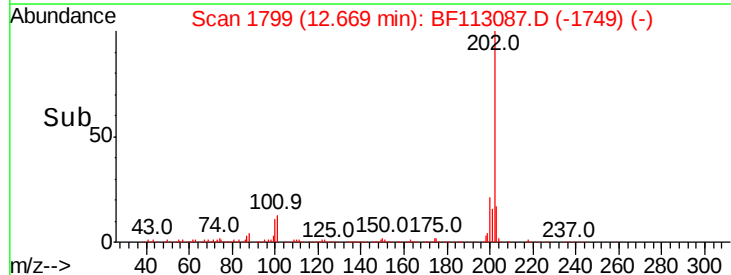
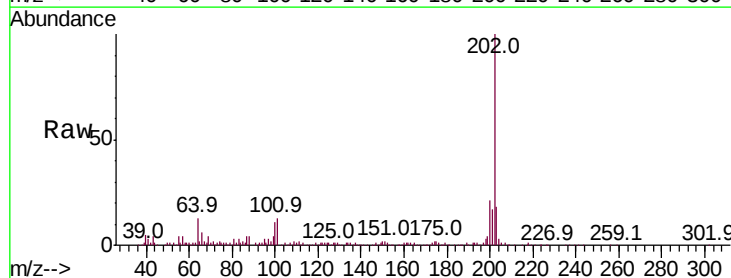
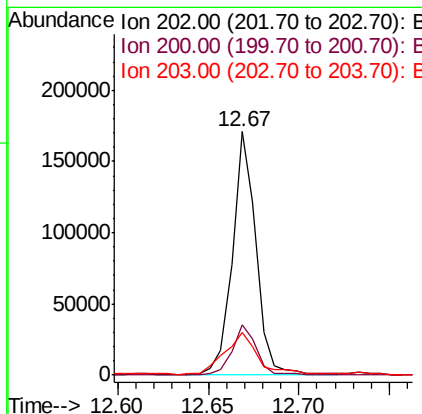
RT: 12.67 min Scan# 1799

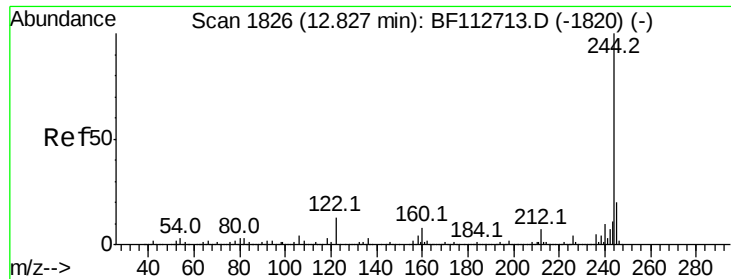
Delta R.T. -0.01 min

Lab File: BF113087.D

Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.7	14.4	21.6





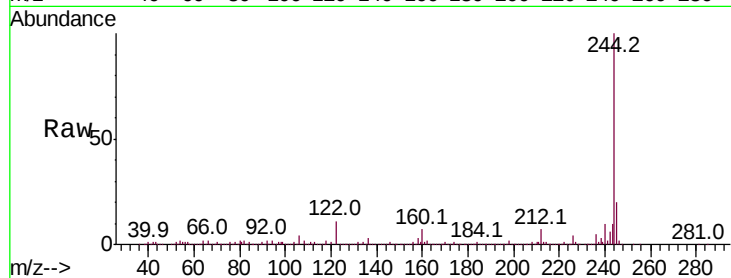
#79
 Terphenyl-d14
 Concen: 49.897 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampled :
 S-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.4	10.5	15.7

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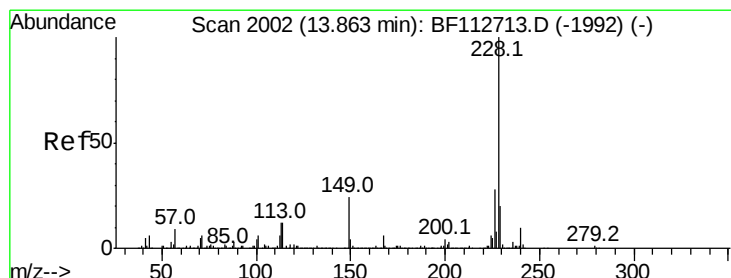
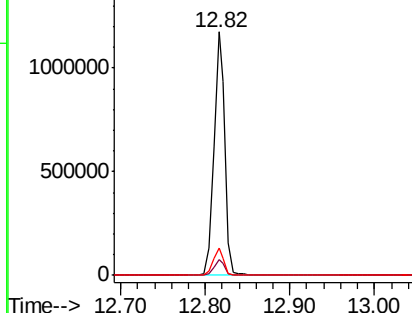
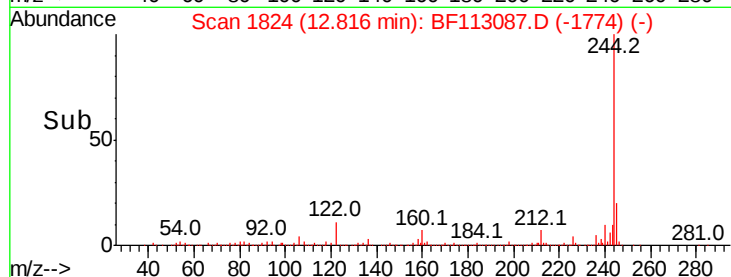


Abundance

Ion 244.00 (243.70 to 244.70): E

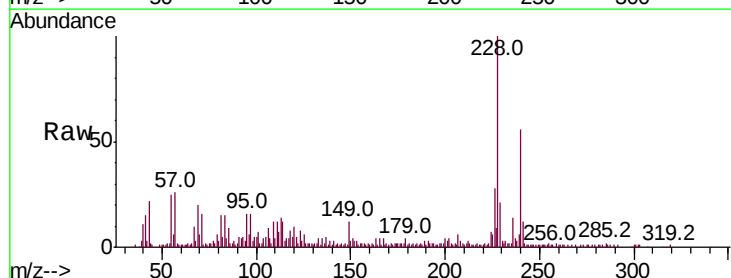
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 2.625 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.4
229	21.4	16.0	24.0

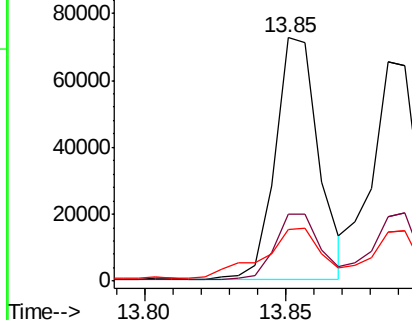
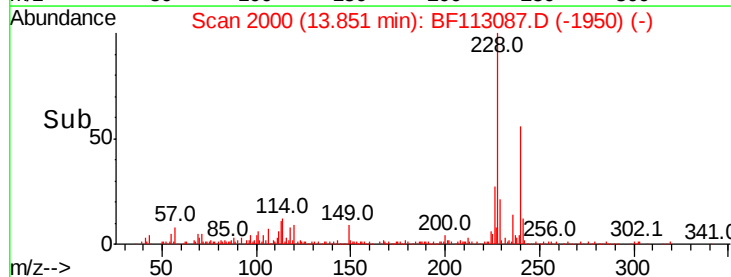


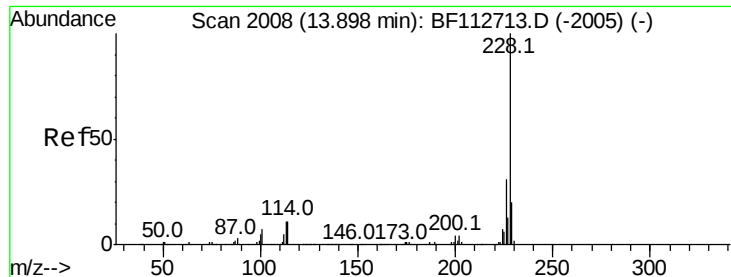
Abundance

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





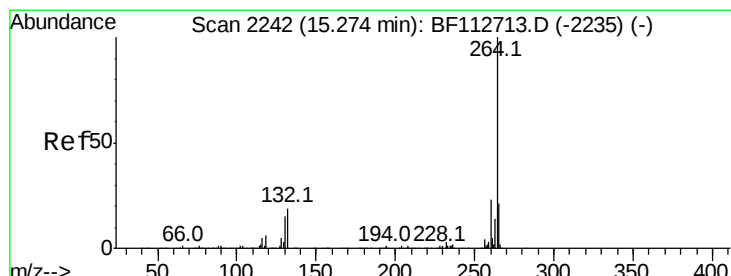
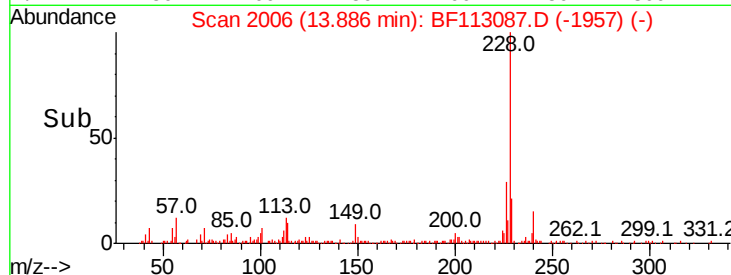
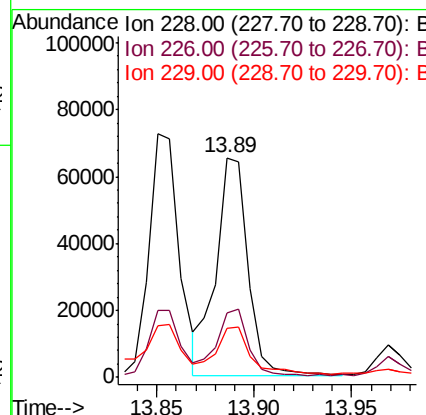
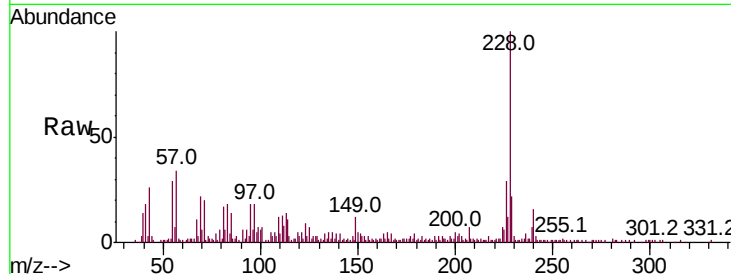
#83
Chrysene
Concen: 2.594 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Instrument :
BNA_F
ClientSampled :
S-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	22.3	16.3	24.5

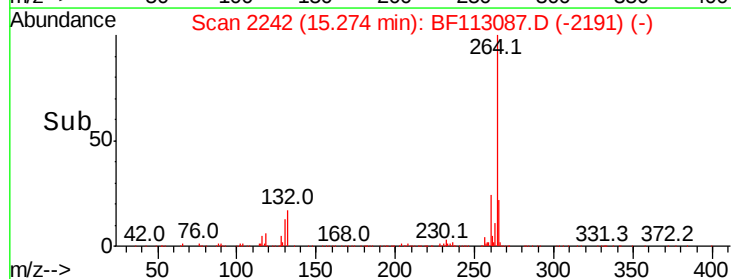
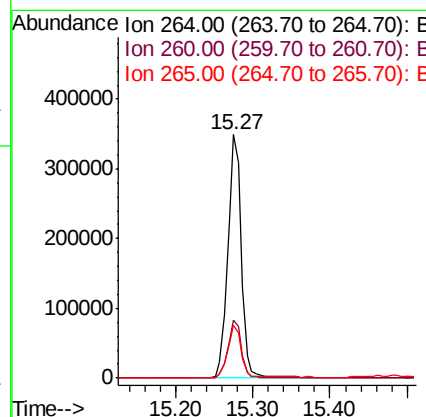
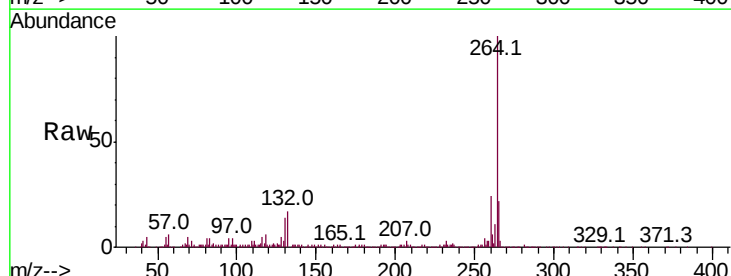
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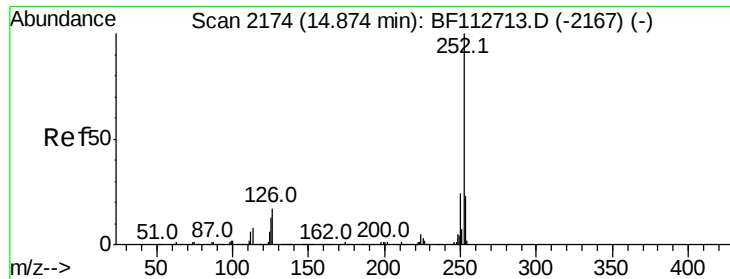
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.7	17.2	25.8





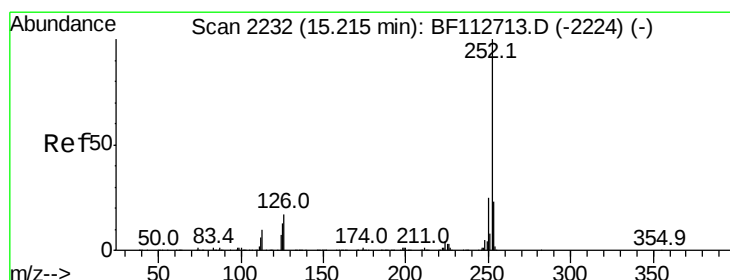
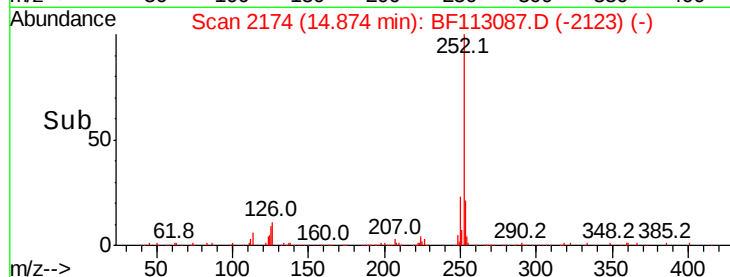
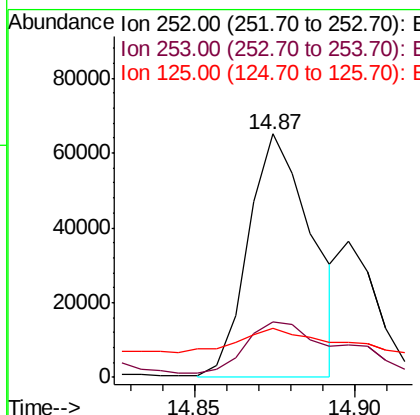
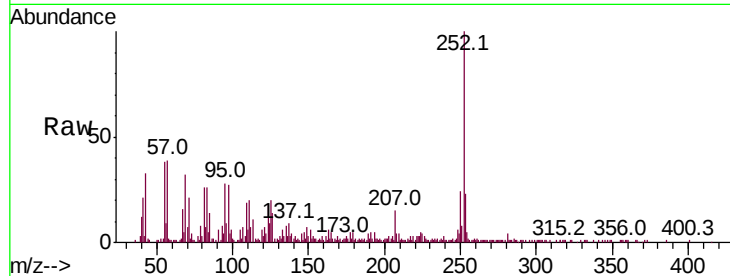
#88
Benzo(b)fluoranthene
Concen: 3.285 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :
S-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	20.3	10.2	15.2

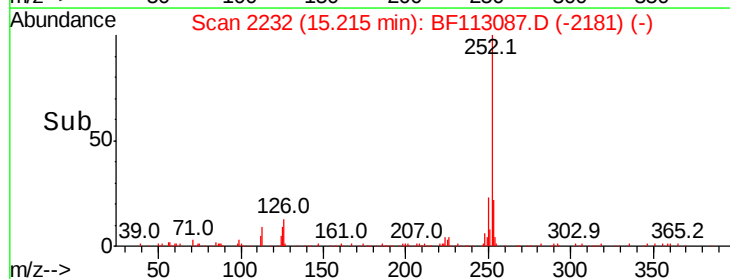
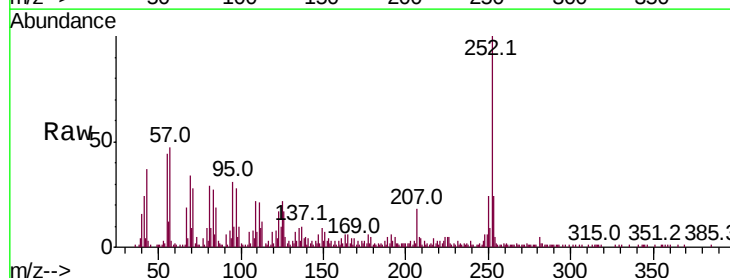
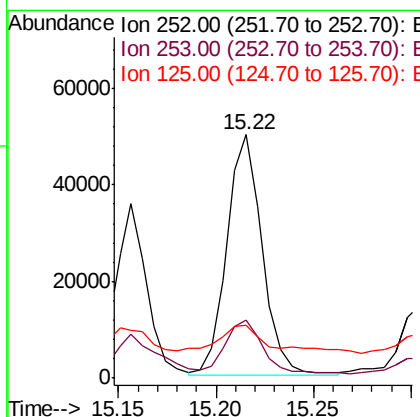
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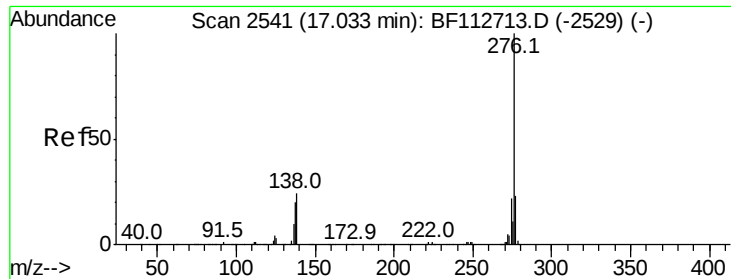
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#90
Benzo(a)pyrene
Concen: 2.573 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113087.D
Acq: 18 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	21.6	10.7	16.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.156 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BF113087.D
 Acq: 18 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampleId :
 S-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.3	18.6	27.8#
138	23.5	19.4	29.0

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