

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113149.D
 Acq On : 20 Mar 2019 3:06
 Operator : JU/SJ
 Sample : K1933-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Manual Integrations
 APPROVED

Sohil
 3/20/2019 6:51:30 PM

Quant Time: Mar 20 07:29:22 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	6.72	152	191889	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	639521	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	345398	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	552565	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	425171	20.00	ng	0.00
87) Perylene-d12	15.27	264	321637	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1133891	91.92	ng	0.00
7) Phenol-d6	6.37	99	1411362	91.08	ng	0.00
23) Nitrobenzene-d5	7.29	82	790387	73.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	346574	94.52	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1317621	58.15	ng	-0.01
79) Terphenyl-d14	12.82	244	1155130	52.67	ng	0.00
Target Compounds						
10) Phenol	6.39	94	67274	3.720	ng	91
50) Dimethylphthalate	9.47	163	242871	9.536	ng	99
71) Phenanthrene	11.26	178	77202	2.808	ng	98
75) Fluoranthene	12.44	202	176219	5.983	ng	96
78) Pyrene	12.67	202	148580	4.145	ng	97
81) Benzo(a)anthracene	13.85	228	87225	2.960	ng	99
83) Chrysene	13.89	228	66317	2.298	ng	97
88) Benzo(b)fluoranthene	14.87	252	85522m	4.111	ng	
90) Benzo(a)pyrene	15.21	252	53243	2.893	ng	99

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

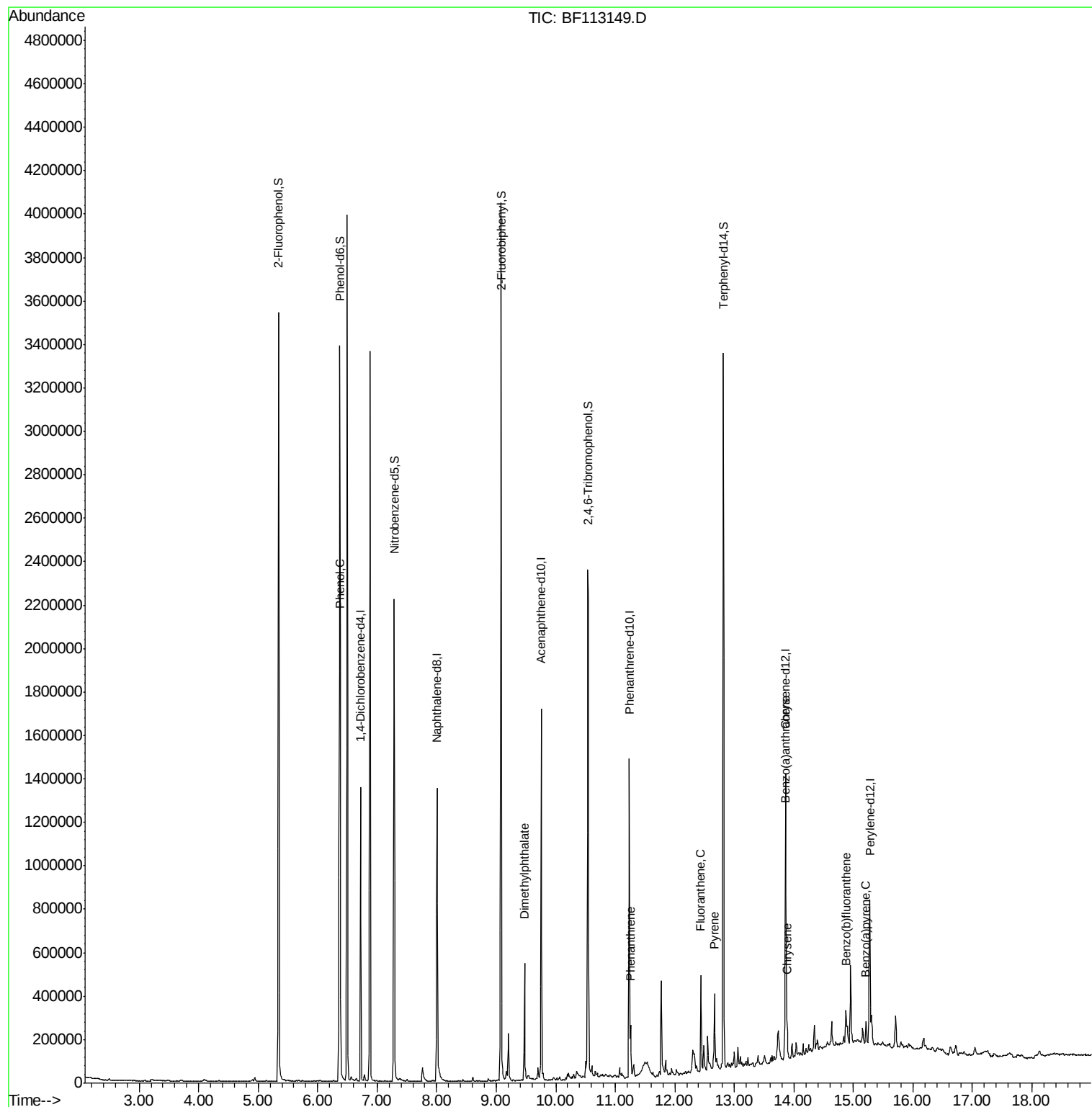
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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#1

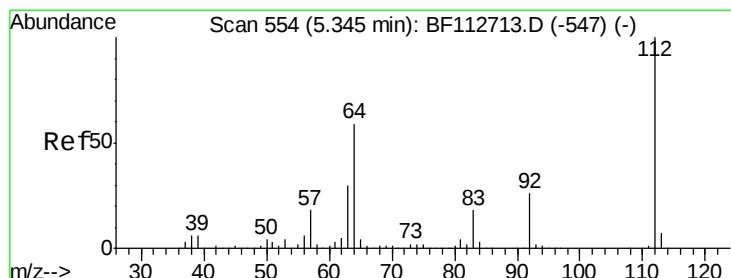
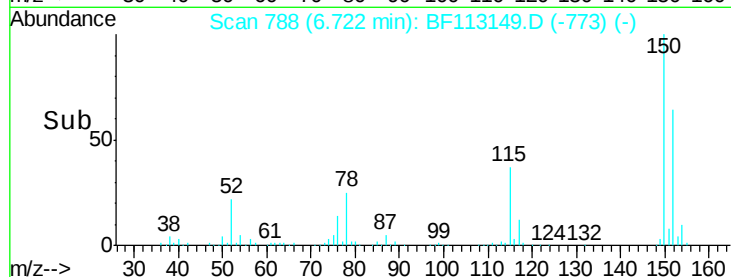
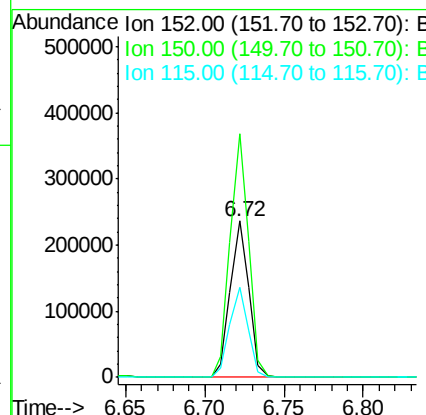
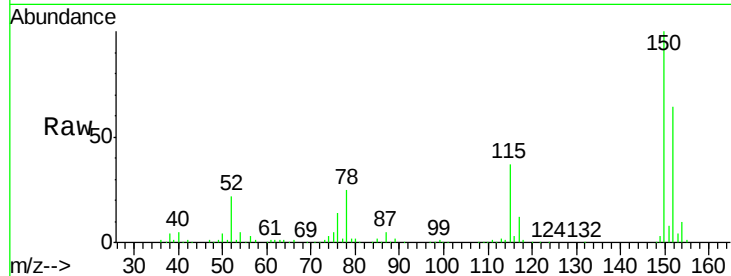
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampled :
S-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.2	186.2
115	57.5	48.2	72.4

Manual Integrations
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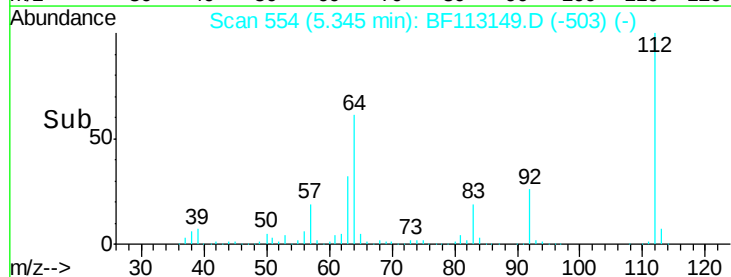
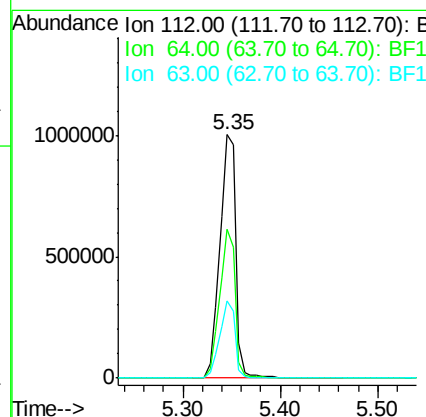
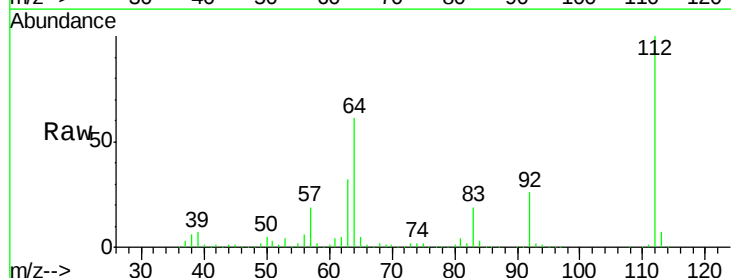
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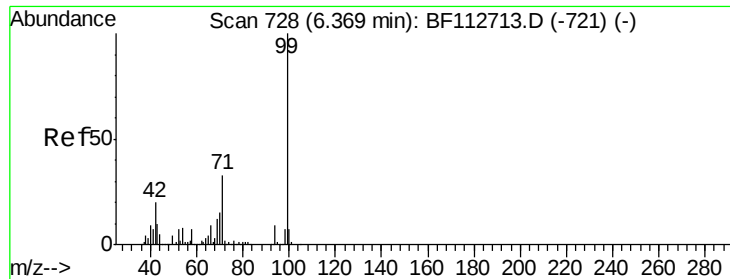


#5

2-Fluorophenol
Concen: 91.919 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.6	71.4
63	31.7	24.4	36.6





#7

Phenol-d6

Concen: 91.080 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

BNA_F

ClientSampled :

S-2

Tgt Ion: 99 Resp: 1411362

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

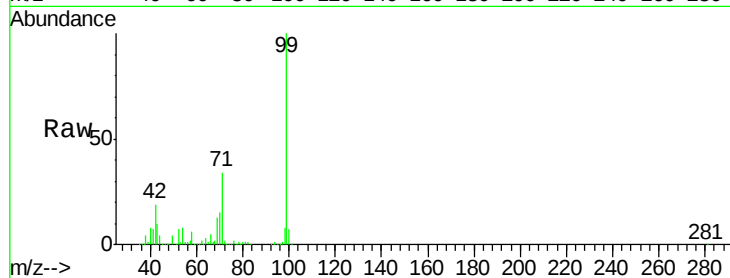
71 33.8 26.2 39.4

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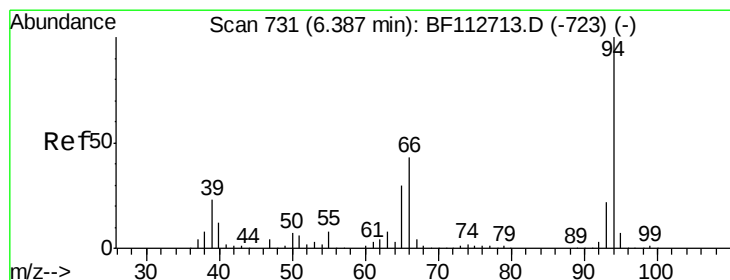
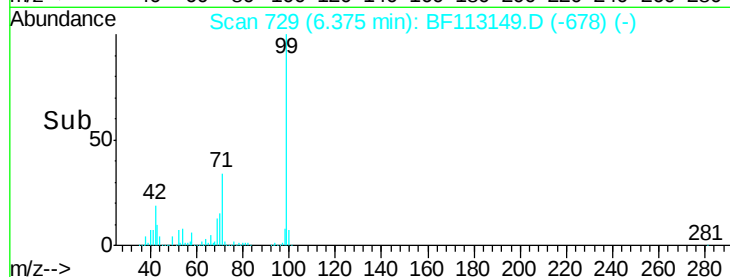
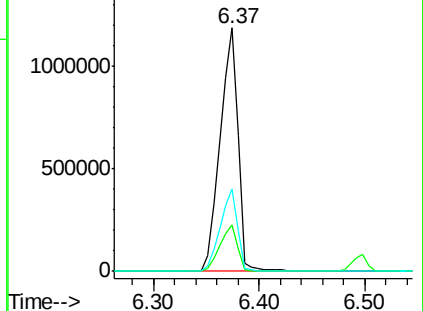
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.720 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

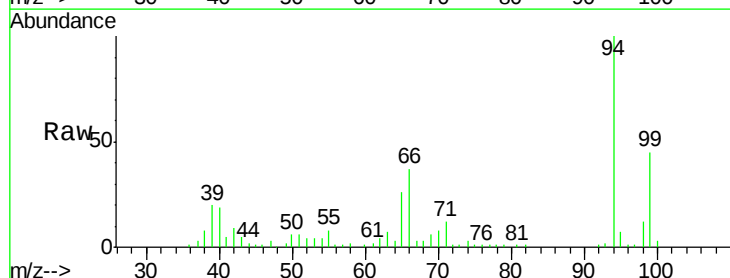
Tgt Ion: 94 Resp: 67274

Ion Ratio Lower Upper

94 100

65 25.8 10.5 50.5

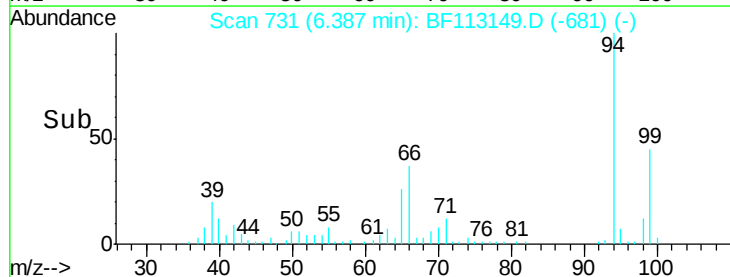
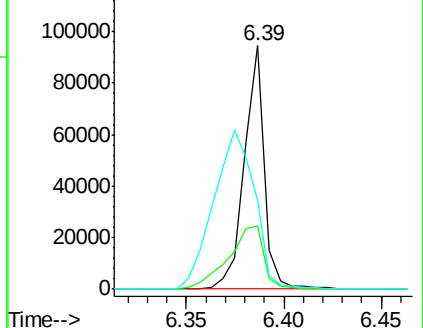
66 36.7 22.6 62.6

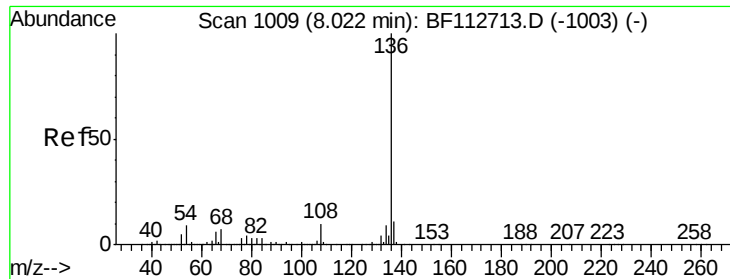


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





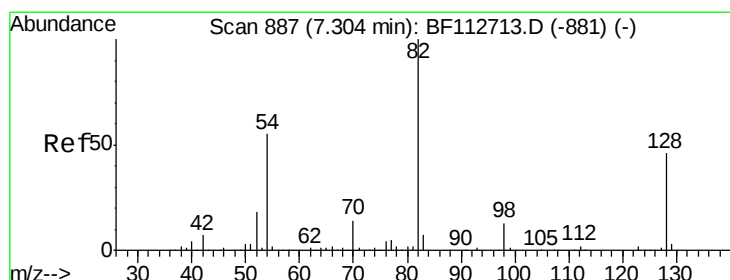
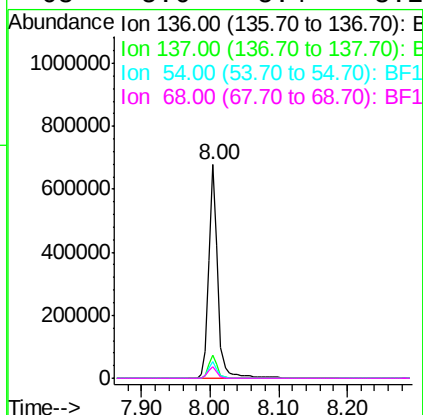
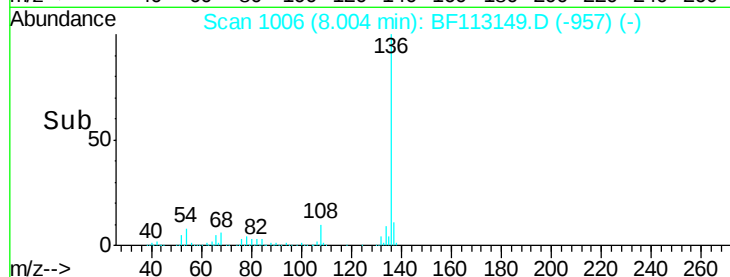
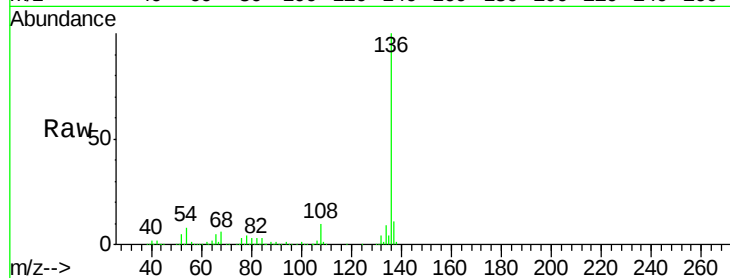
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampled :
S-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.0	7.3	10.9
68	5.6	5.4	8.2

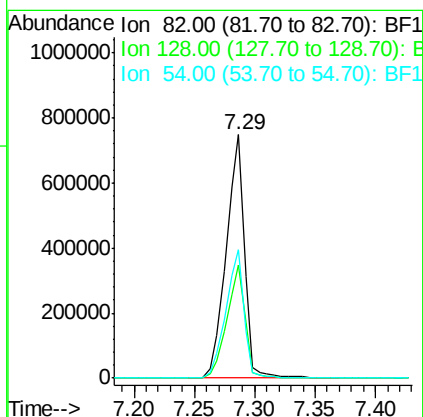
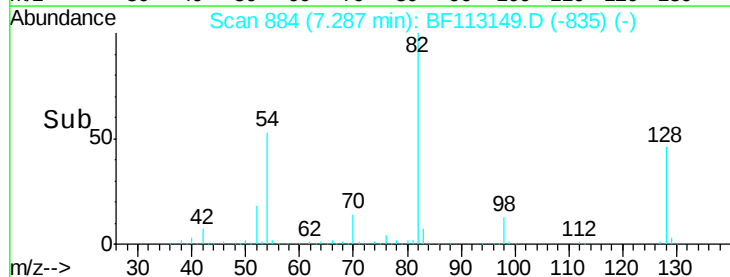
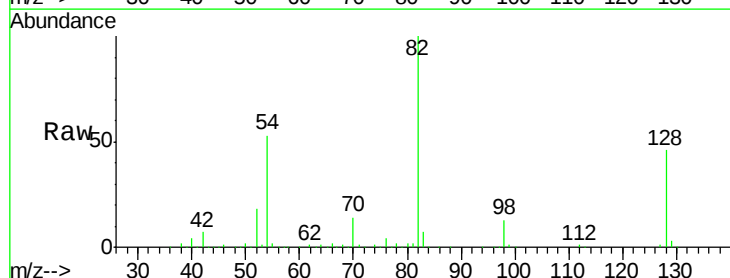
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#23
Nitrobenzene-d5
Concen: 73.954 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.3	36.3	54.5
54	53.0	43.7	65.5





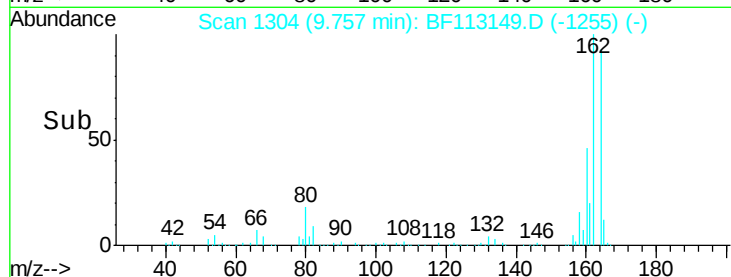
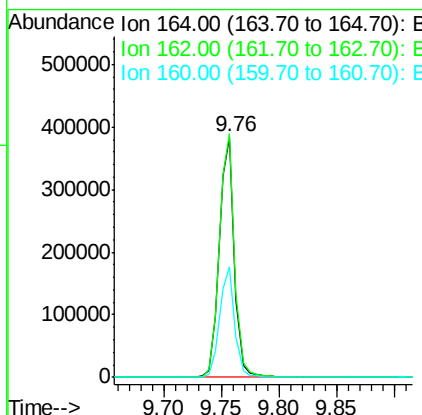
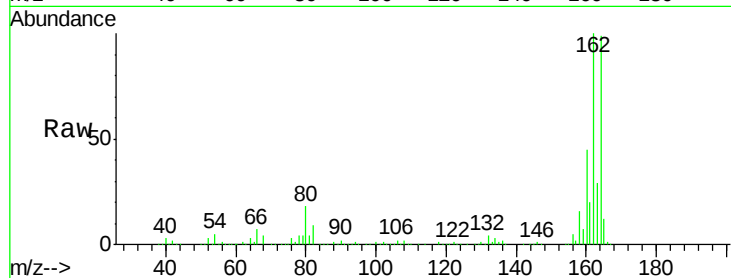
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Instrument :
 BNA_F
 ClientSampled :
 S-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	345398		
162	101.5	80.6	120.8	
160	46.0	36.0	54.0	

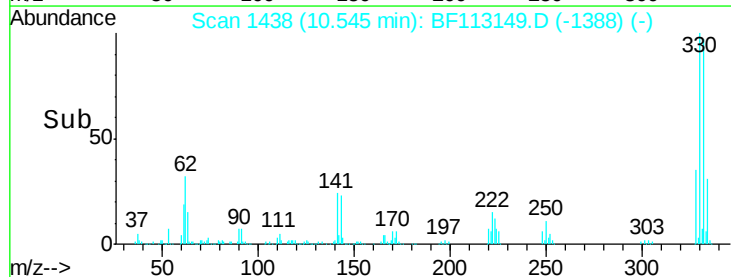
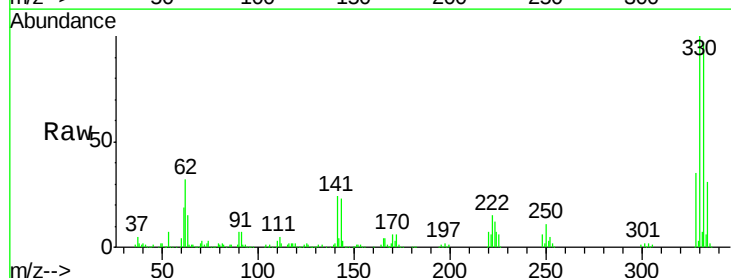
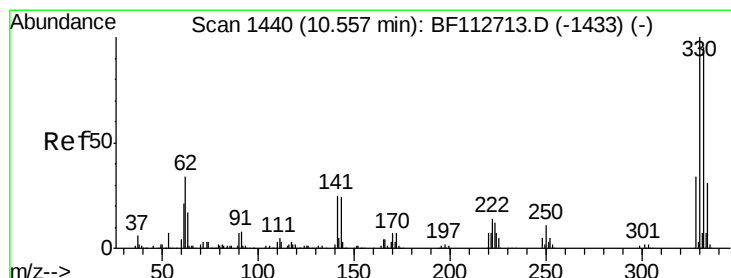
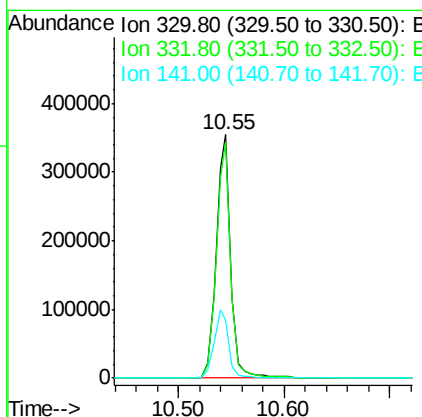
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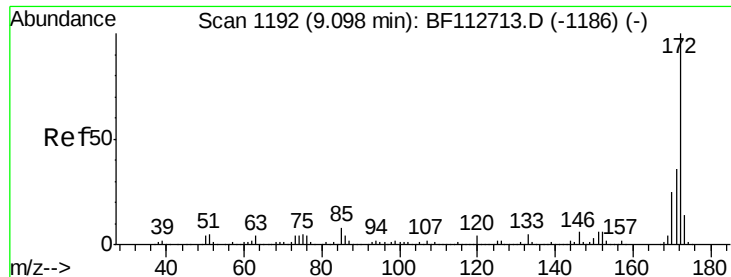
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#42
 2,4,6-Tribromophenol
 Concen: 94.516 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	346574		
332	96.9	76.2	114.4	
141	28.7	27.0	40.6	





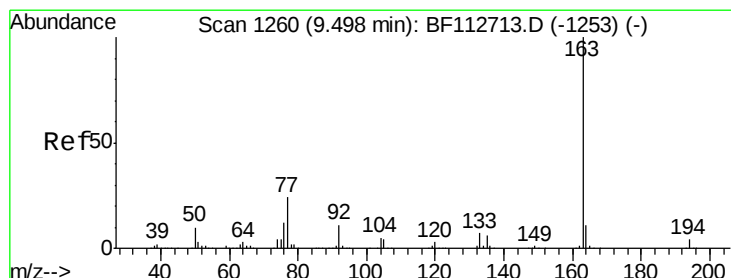
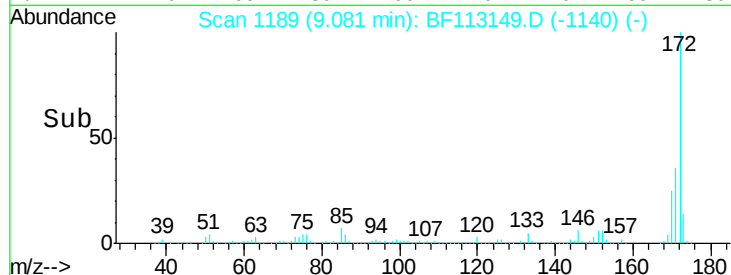
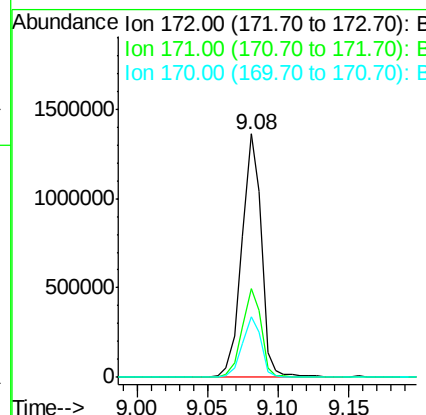
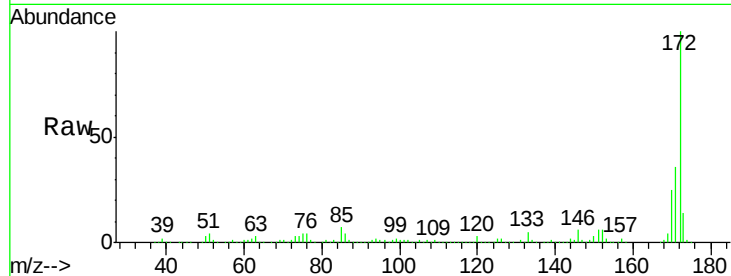
#45
 2-Fluorobiphenyl
 Concen: 58.146 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.7	20.0	30.0

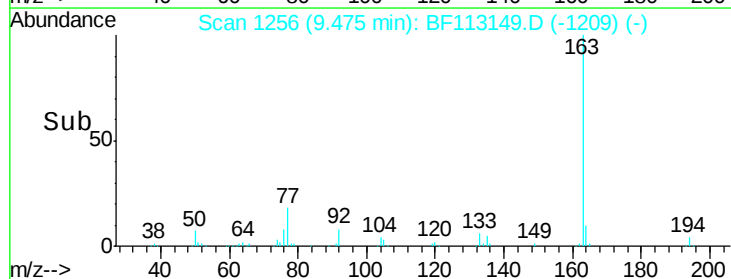
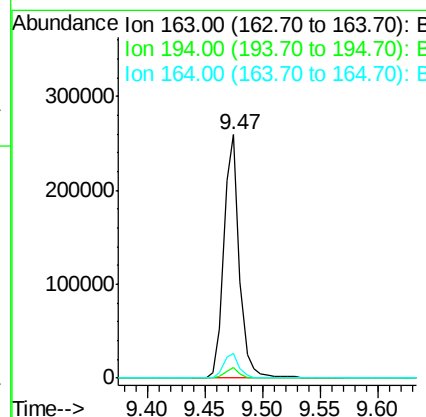
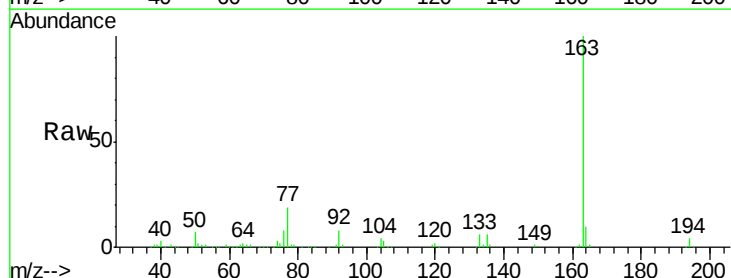
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#50
 Dimethylphthalate
 Concen: 9.536 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	10.2	8.4	12.6





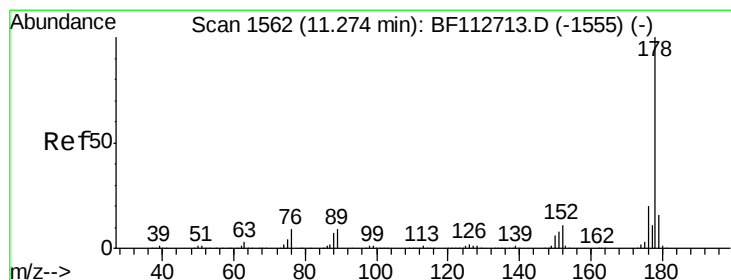
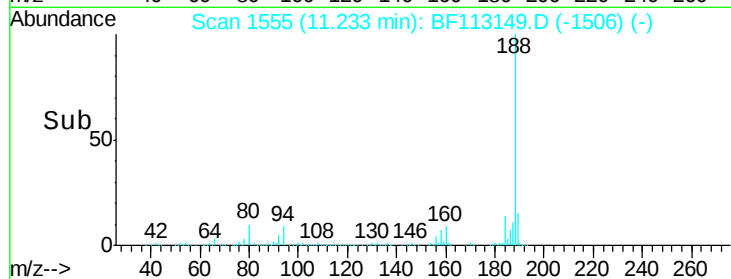
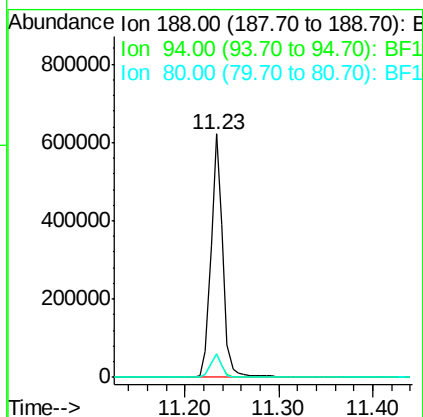
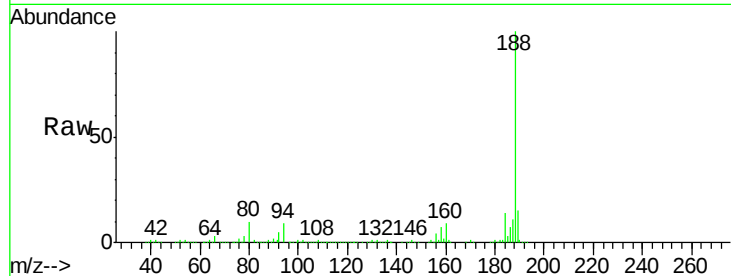
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	9.0	13.4
80	9.9	9.2	13.8

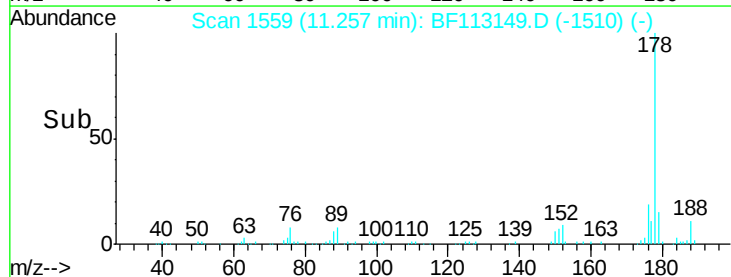
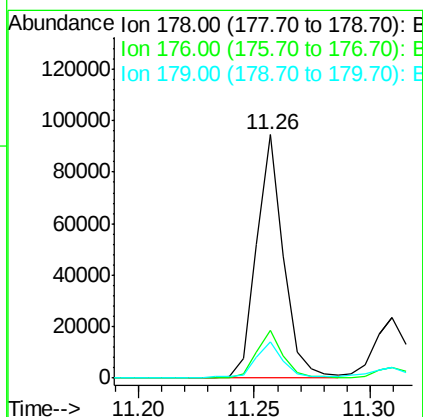
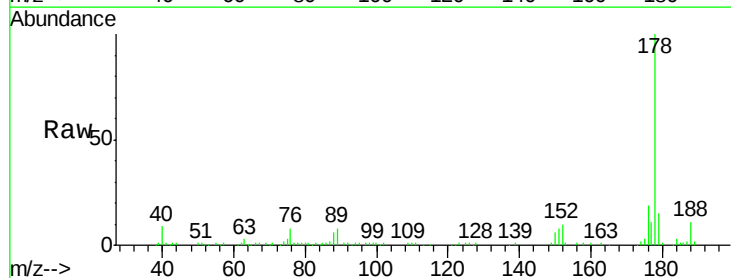
Manual Integrations
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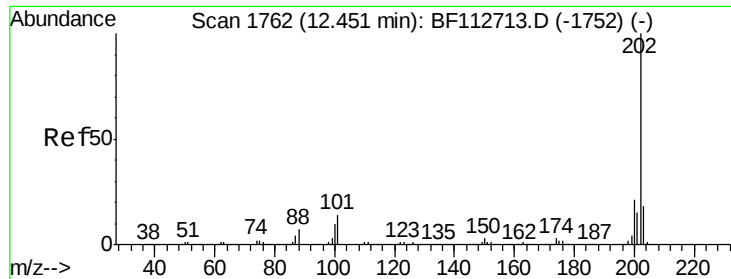
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#71
Phenanthrene
Concen: 2.808 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.3	24.5
179	14.9	12.7	19.1





#75

Fluoranthene

Concen: 5.983 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

BNA_F

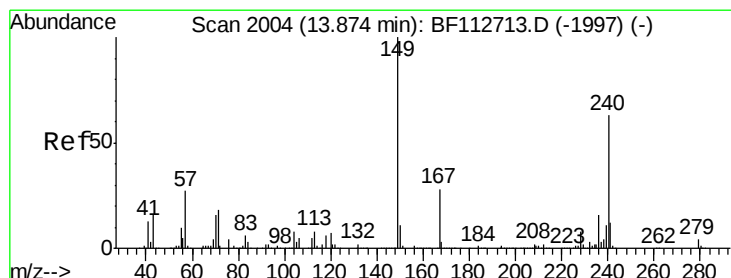
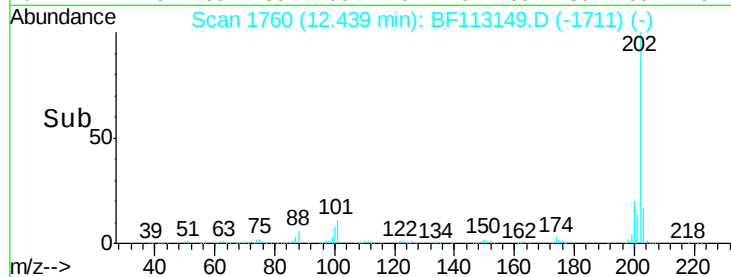
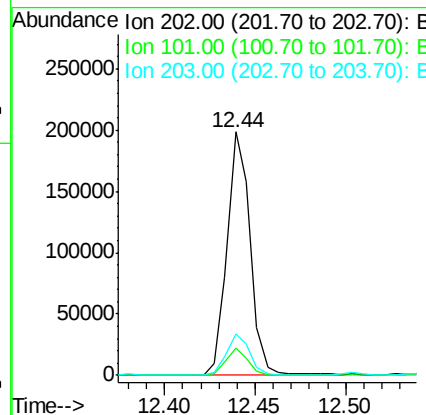
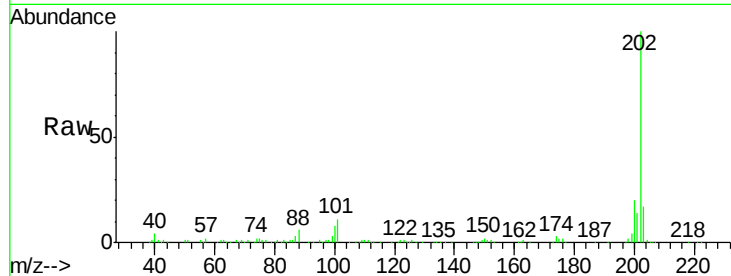
ClientSampled :

S-2

Tgt	Ion	202	Resp:	176219
Ion	Ratio	Lower	Upper	
202	100			
101	11.3	0.0	33.8	
203	17.2	0.0	38.4	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

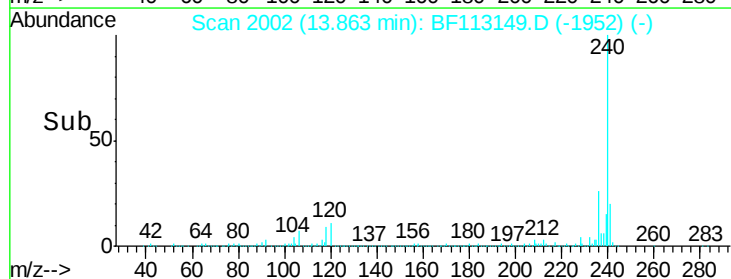
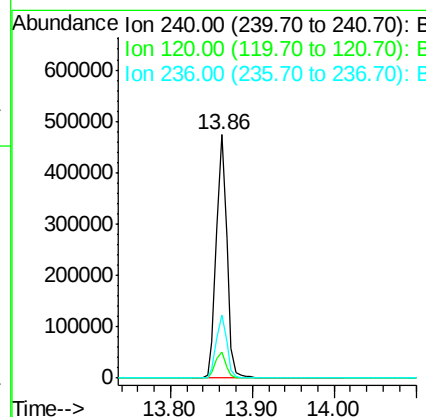
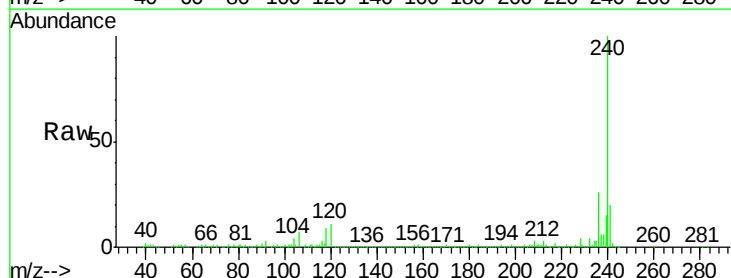
RT: 13.86 min Scan# 2002

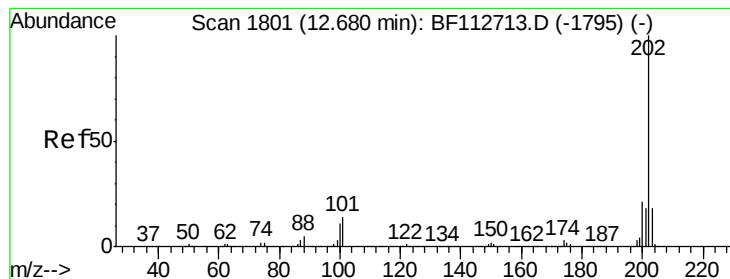
Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Tgt	Ion	240	Resp:	425171
Ion	Ratio	Lower	Upper	
240	100			
120	10.8	8.9	13.3	
236	25.9	20.7	31.1	





#78

Pyrene

Concen: 4.145 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

BNA_F

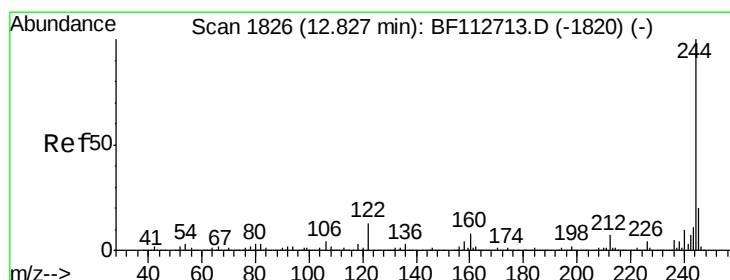
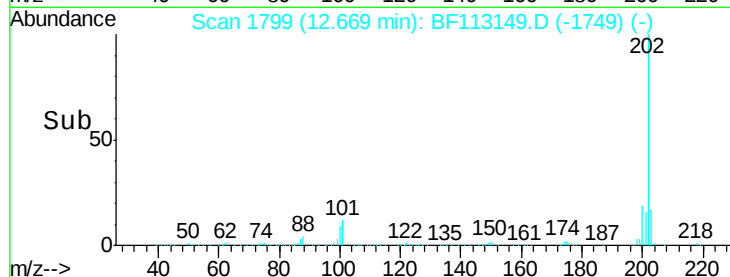
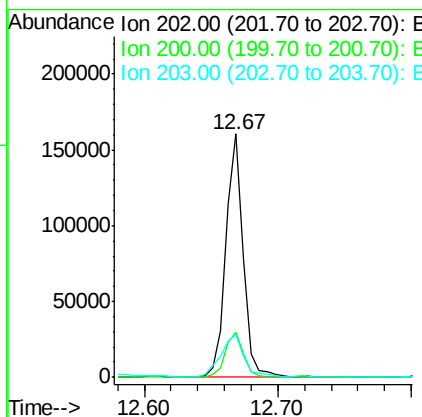
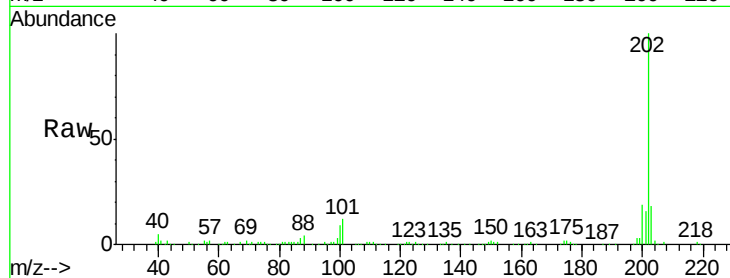
ClientSampleId :

S-2

Tgt Ion:	202	Resp:	148580
Ion Ratio	Lower	Upper	
202	100		
200	18.8	17.0	25.4
203	17.6	14.4	21.6

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#79

Terphenyl-d14

Concen: 52.666 ng

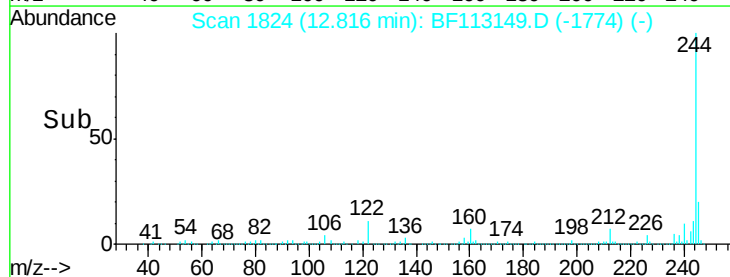
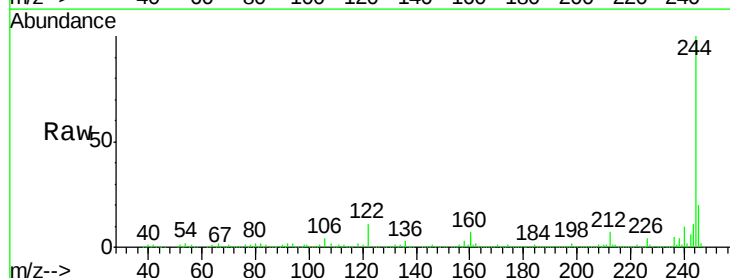
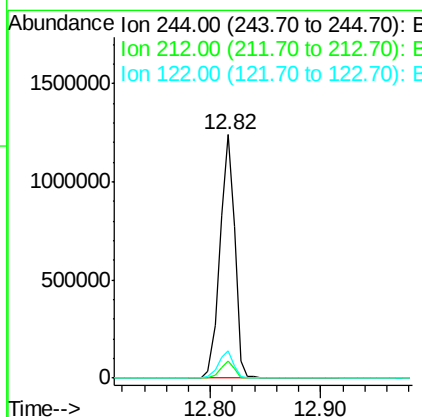
RT: 12.82 min Scan# 1824

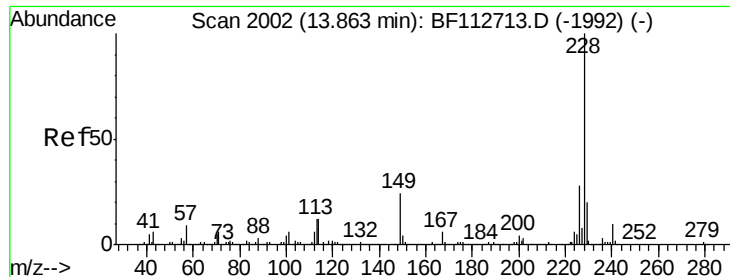
Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Tgt Ion:	244	Resp:	1155130
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	11.3	10.5	15.7





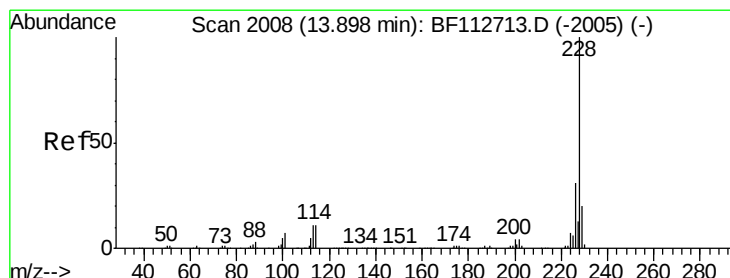
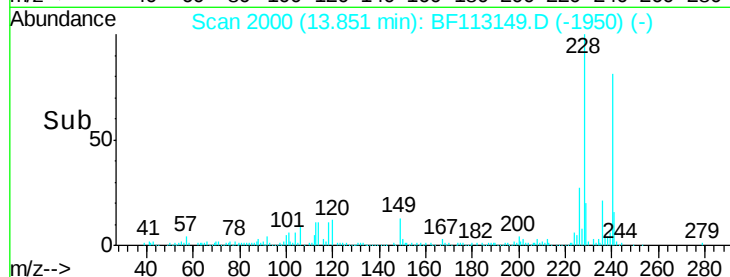
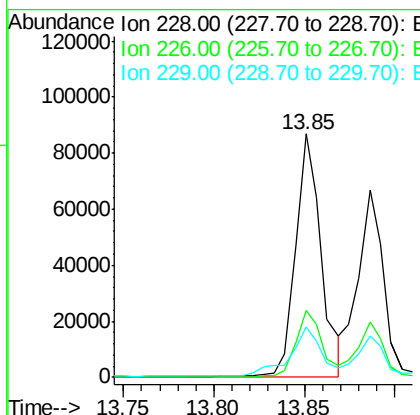
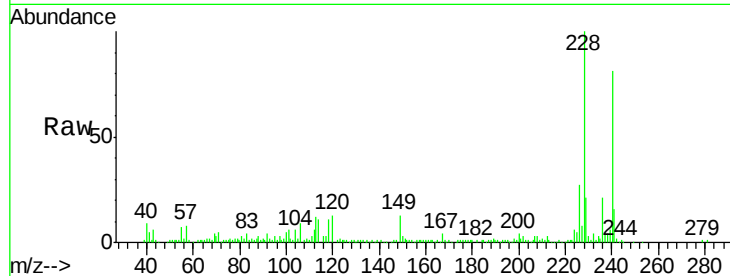
#81
Benzo(a)anthracene
Concen: 2.960 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampled :
S-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	20.8	16.0	24.0

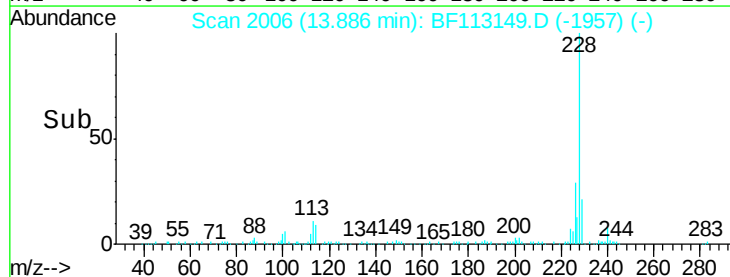
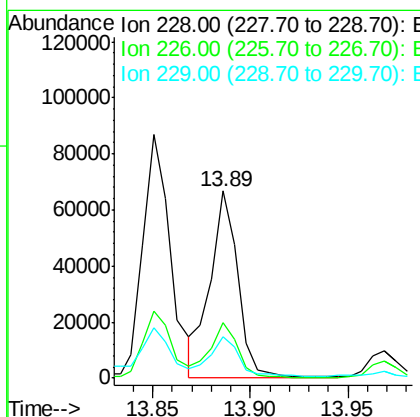
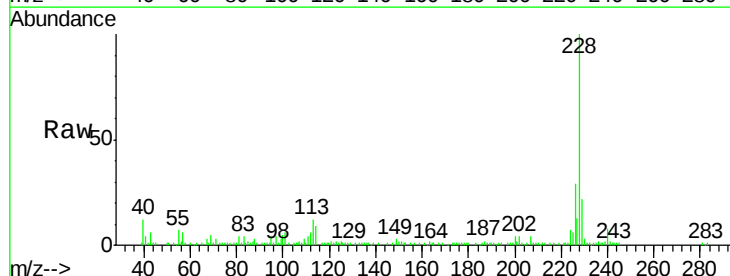
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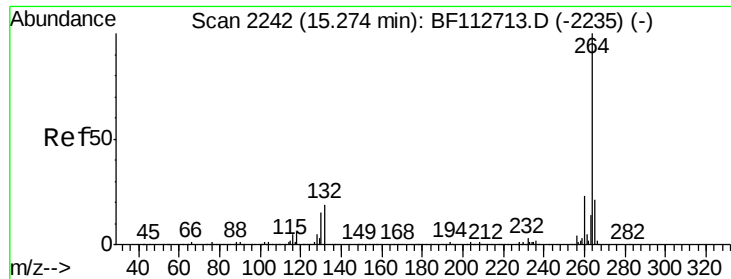
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#83
Chrysene
Concen: 2.298 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.0	16.3	24.5





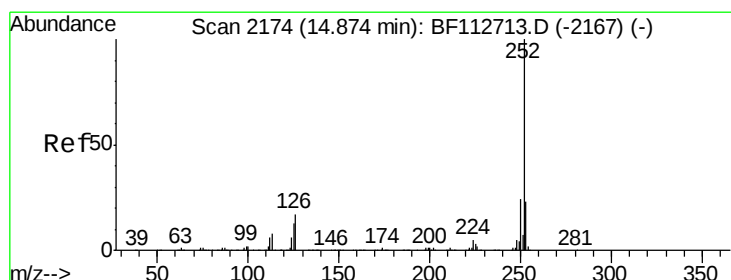
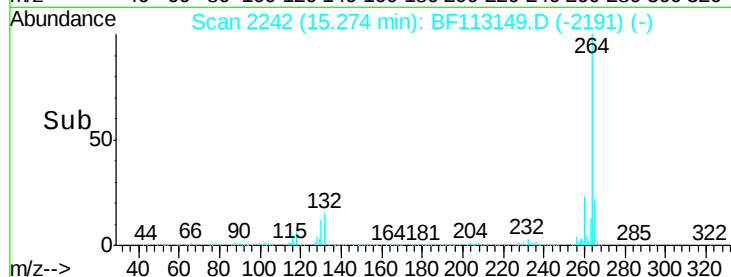
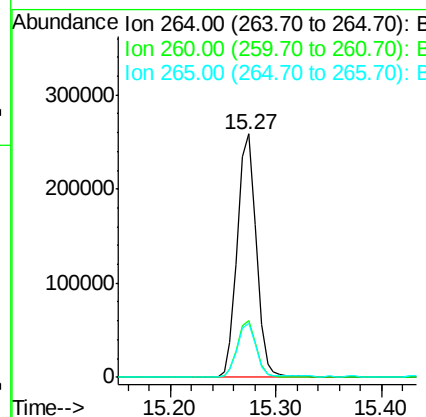
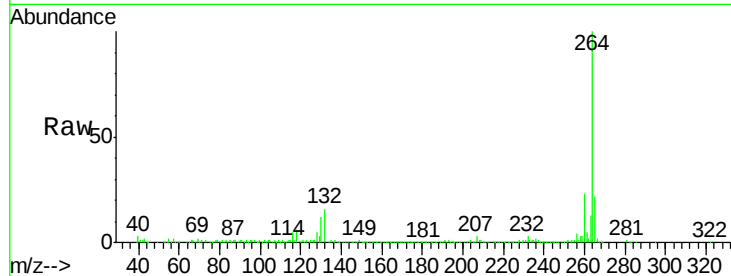
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	321637		
260	23.4	18.7	28.1	
265	22.0	17.2	25.8	

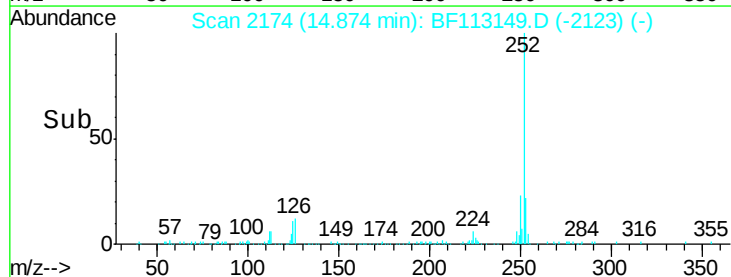
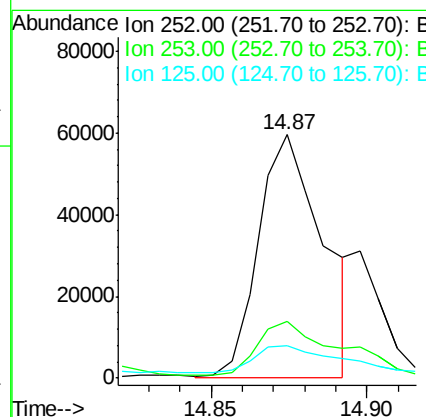
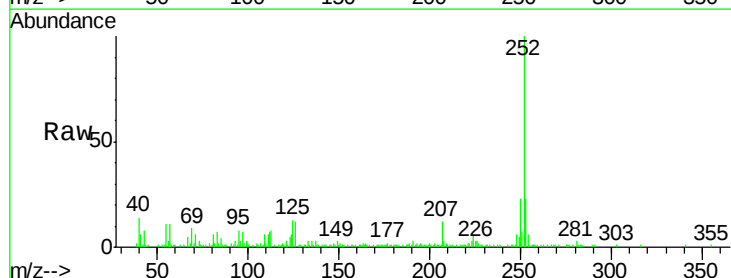
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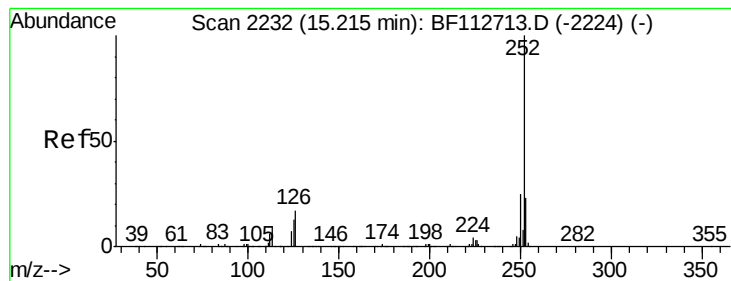
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#88
Benzo(b)fluoranthene
Concen: 4.111 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	85522		
253	23.1	18.0	27.0	
125	13.1	10.2	15.2	





#90
 Benzo(a)pyrene
 Concen: 2.893 ng
 RT: 15.21 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.9	10.7	16.1

Manual Integrations
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