

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113045.D
 Acq On : 13 Mar 2019 23:11
 Operator : JU/SJ
 Sample : K1870-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Manual Integrations
 APPROVED

Sohil
 3/14/2019 10:50:17 AM

Quant Time: Mar 14 02:44:50 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	169832	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	733532	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	368044	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	741902	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	587386	20.00	ng	0.00
87) Perylene-d12	15.27	264	449509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	211750	19.39	ng	-0.01
7) Phenol-d6	6.36	99	286034	20.86	ng	-0.01
23) Nitrobenzene-d5	7.28	82	161624	13.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	105578	27.02	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	349842	11.68	ng	-0.01
79) Terphenyl-d14	12.81	244	366841	12.11	ng	-0.01
Target Compounds						
71) Phenanthrene	11.26	178	126653	3.431	ng	97
75) Fluoranthene	12.44	202	221159	5.592	ng	96
78) Pyrene	12.67	202	199334	4.025	ng	99
81) Benzo(a)anthracene	13.85	228	95446	2.345	ng	98
83) Chrysene	13.89	228	81998	2.056	ng	98
88) Benzo(b)fluoranthene	14.87	252	106953m	3.678	ng	
90) Benzo(a)pyrene	15.21	252	68616	2.668	ng	96

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

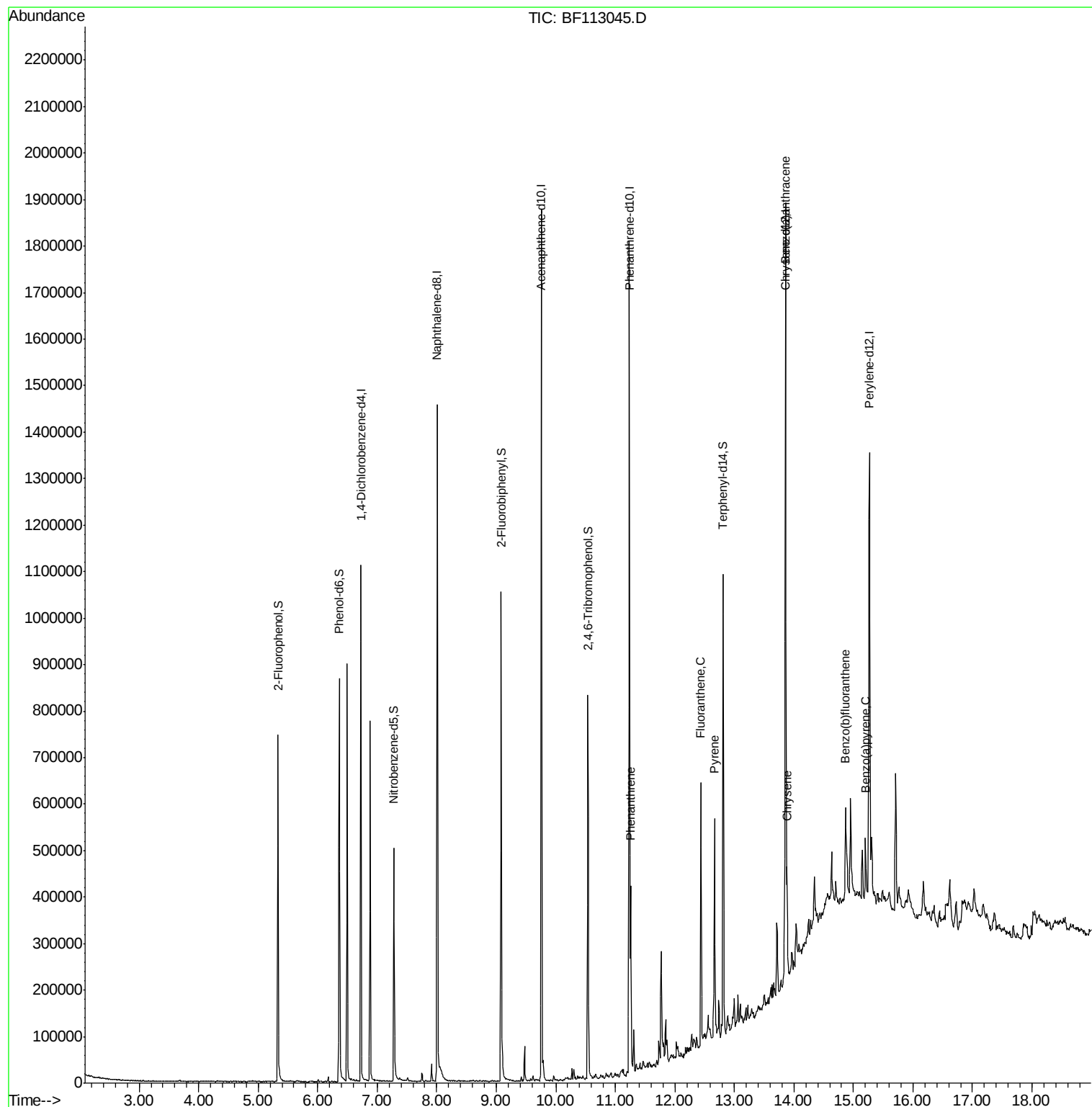
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113045.D
Acq On : 13 Mar 2019 23:11
Operator : JU/SJ
Sample : K1870-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

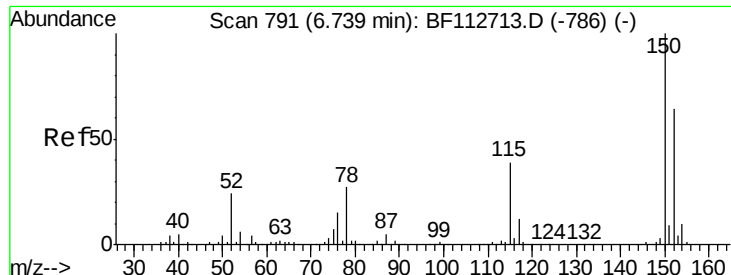
Instrument :
BNA_F
ClientSampleId :
SP-2

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3/14/2019 10:50:17 AM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

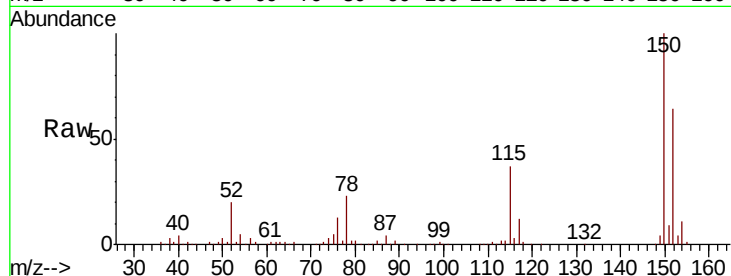
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113045.D
 Acq: 13 Mar 2019 23:11

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.2	186.2
115	56.8	48.2	72.4

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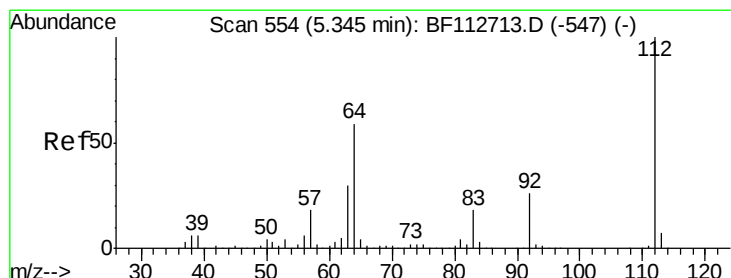
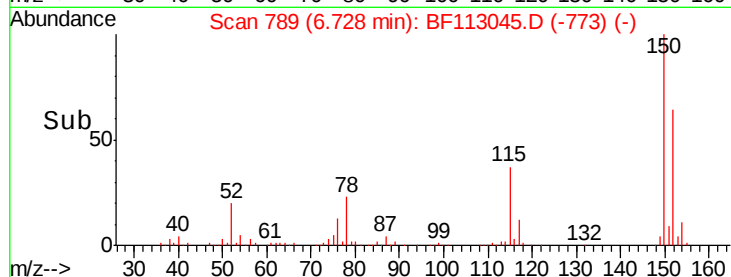
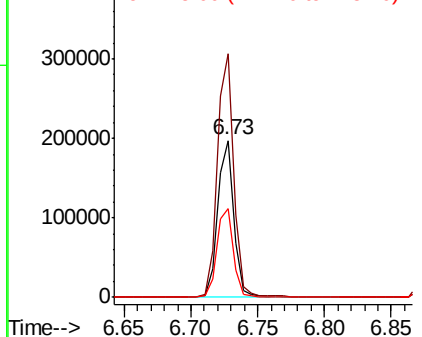


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

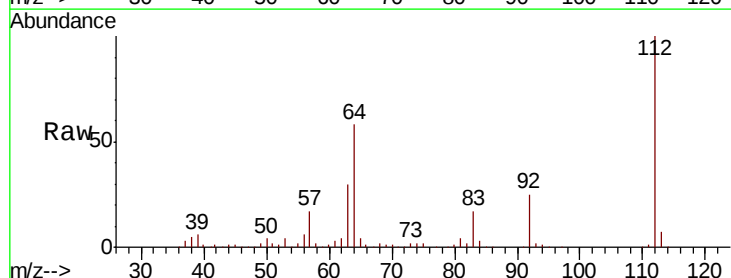
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 19.395 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113045.D
 Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.6	71.4
63	29.7	24.4	36.6

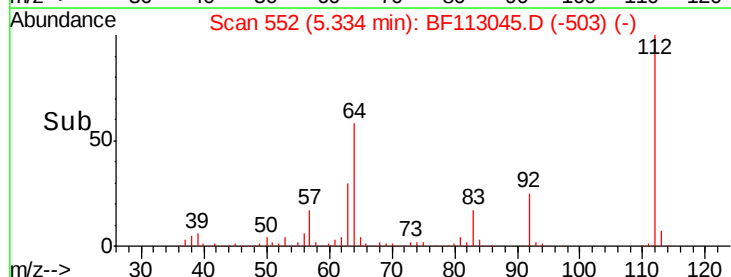
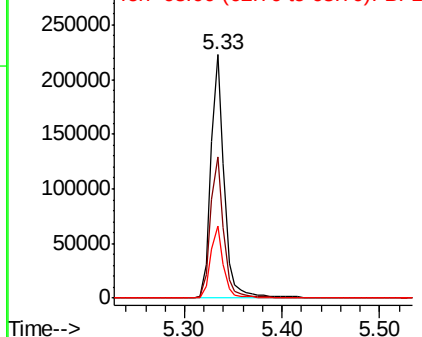


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.856 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113045.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

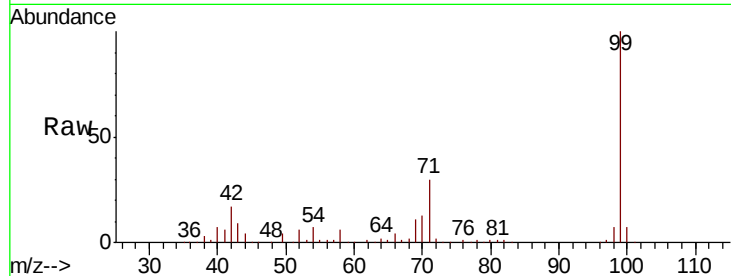
ClientSampled :

SP-2

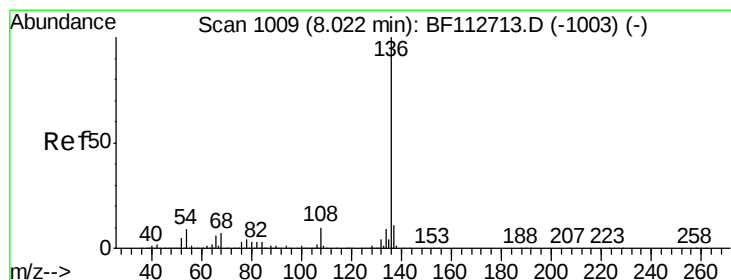
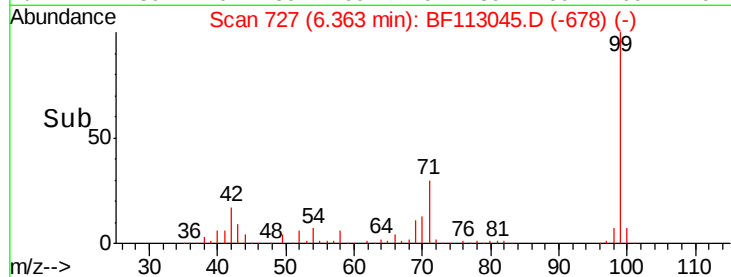
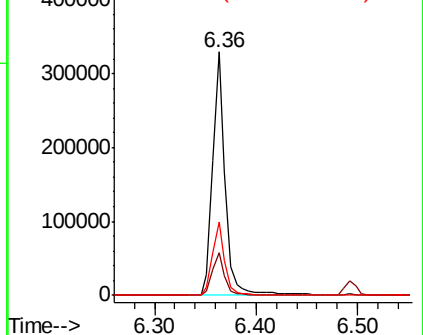
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		286034		
42	17.3	16.3	24.5		
71	30.3	26.2	39.4		

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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

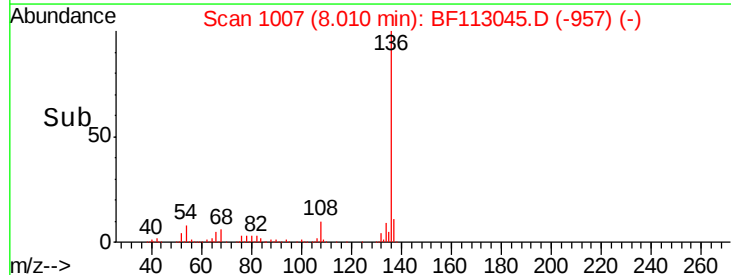
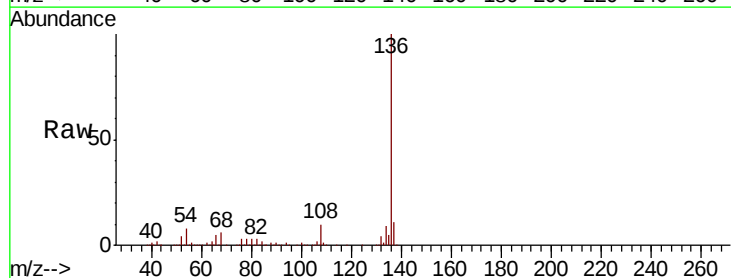
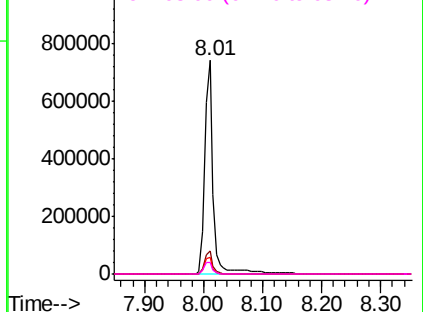
Delta R.T. -0.01 min

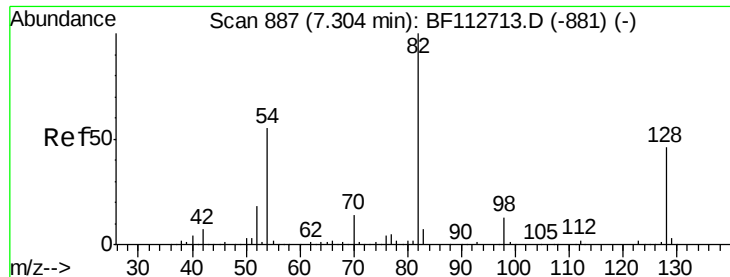
Lab File: BF113045.D

Acq: 13 Mar 2019 23:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		733532		
137	11.0	8.9	13.3		
54	7.5	7.3	10.9		
68	5.6	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





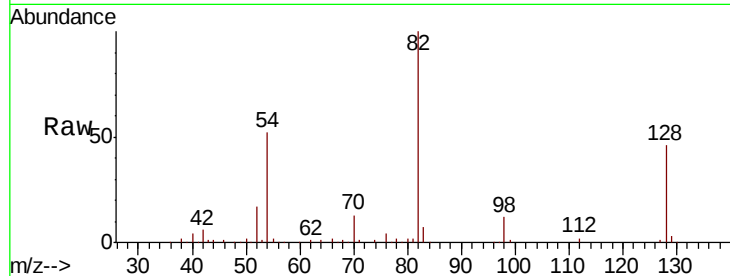
#23
Nitrobenzene-d5
Concen: 13.184 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	51.9	43.7	65.5

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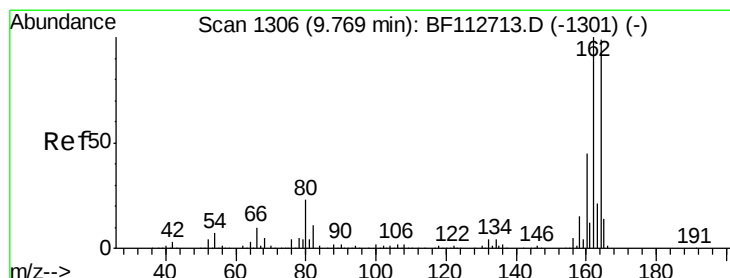
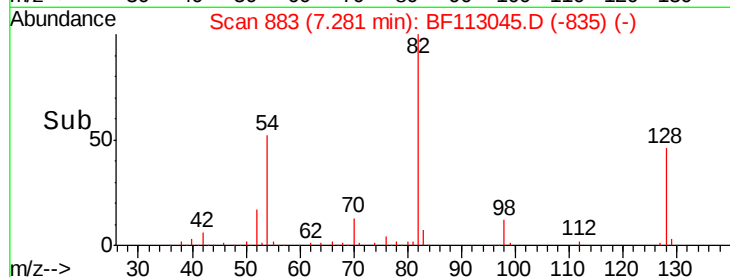
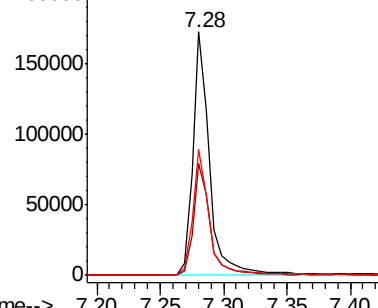


Abundance

Ion 82.00 (81.70 to 82.70): BF1

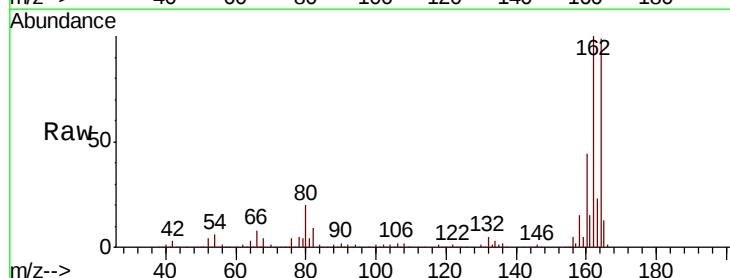
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.7	36.0	54.0

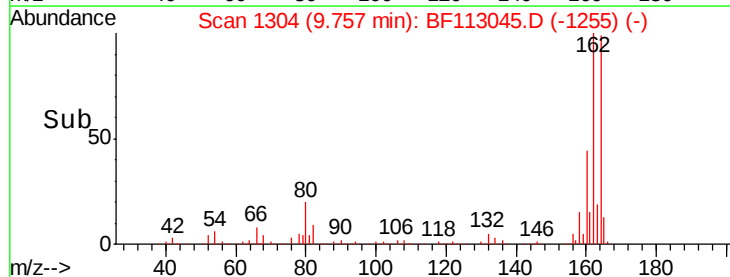
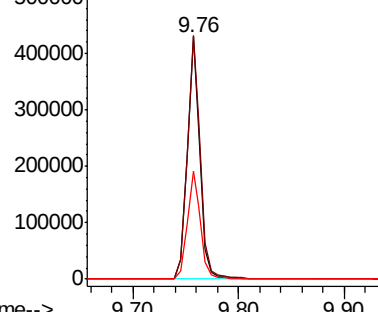


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





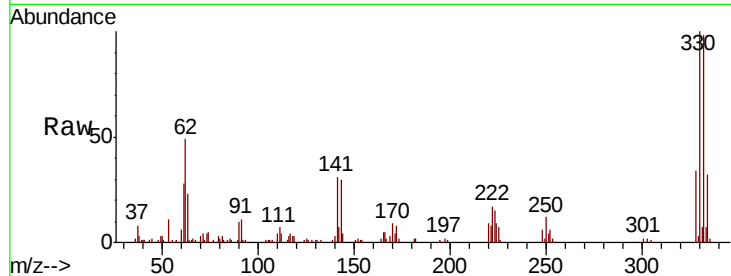
#42
 2,4,6-Tribromophenol
 Concen: 27.021 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113045.D
 Acq: 13 Mar 2019 23:11

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	105578		
332	96.2		76.2	114.4
141	28.0		27.0	40.6

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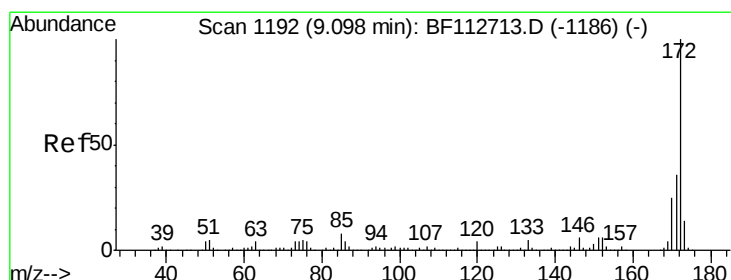
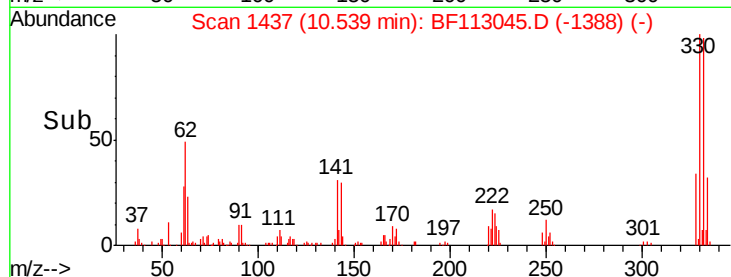
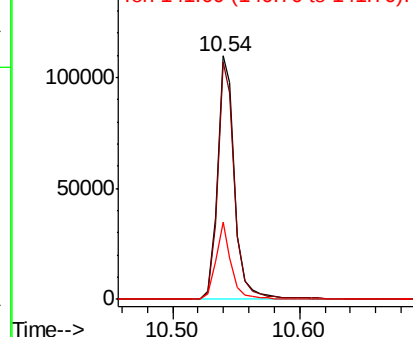


Abundance

Ion 329.80 (329.50 to 330.50): E

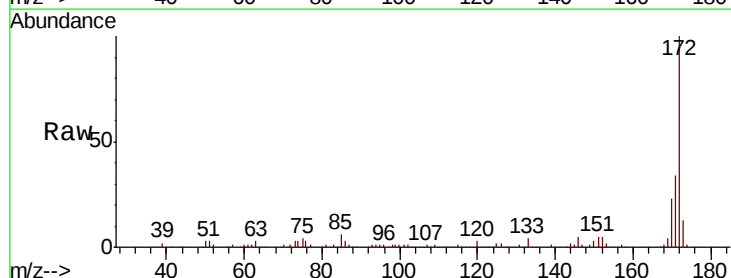
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 11.684 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113045.D
 Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	349842		
171	34.4		29.0	43.4
170	23.4		20.0	30.0

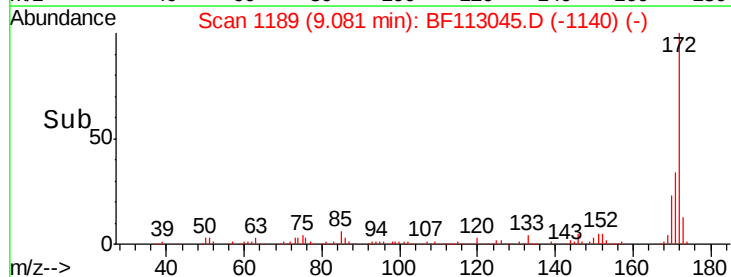
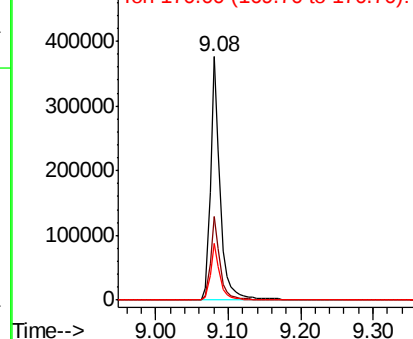


Abundance

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





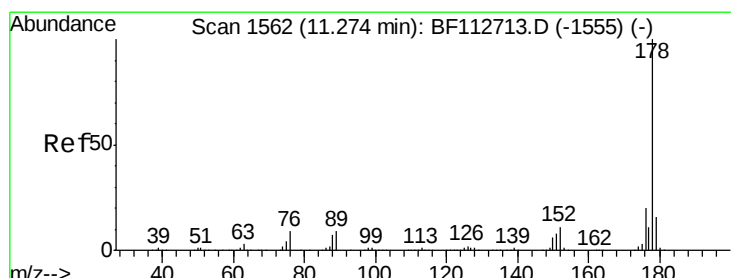
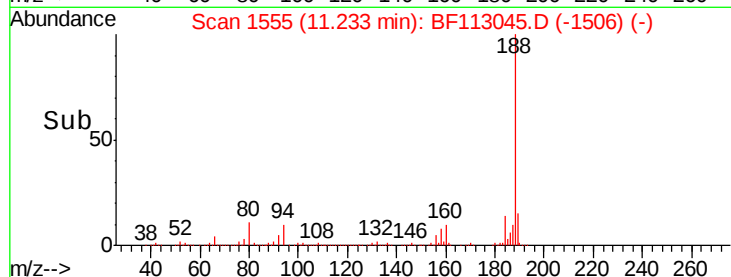
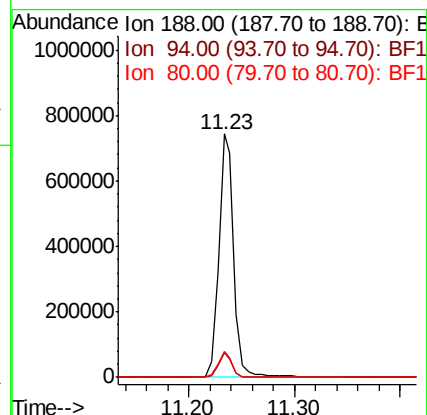
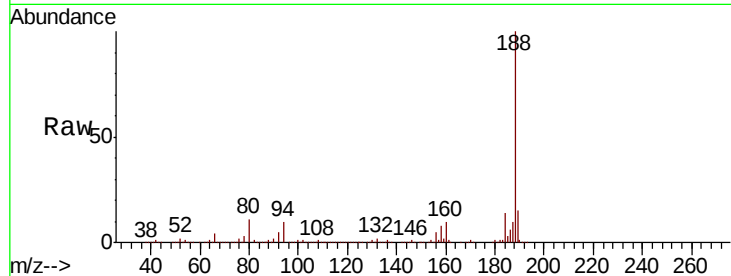
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.4
80	10.6	9.2	13.8

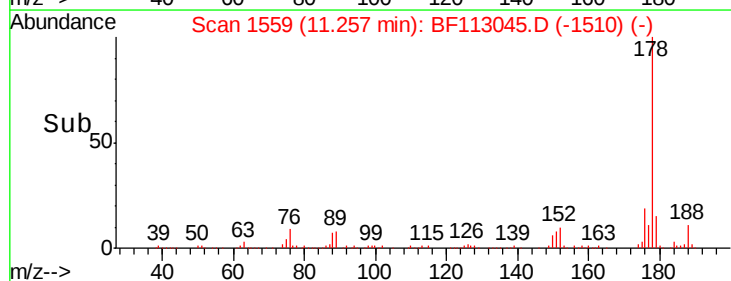
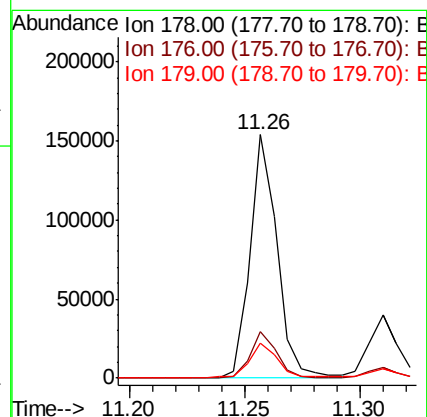
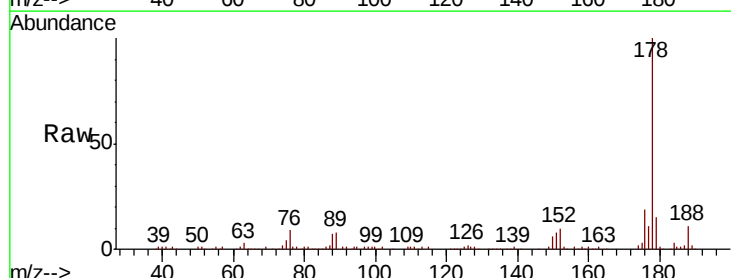
Manual Integrations
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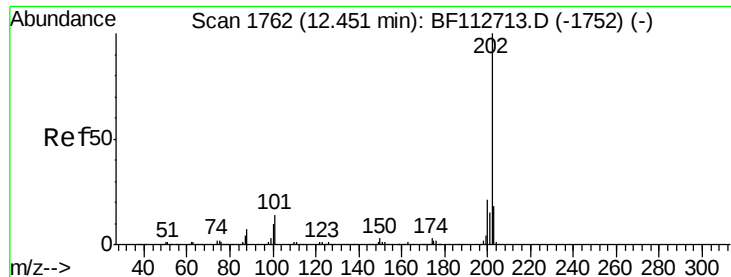
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#71
Phenanthrene
Concen: 3.431 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	14.6	12.7	19.1





#75

Fluoranthene

Concen: 5.592 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113045.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

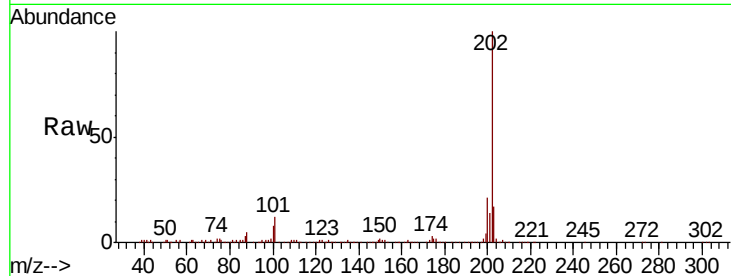
ClientSampleId :

SP-2

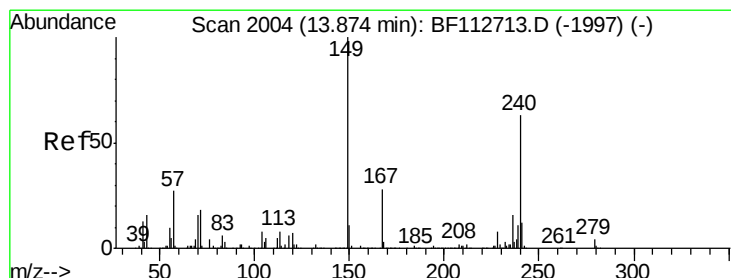
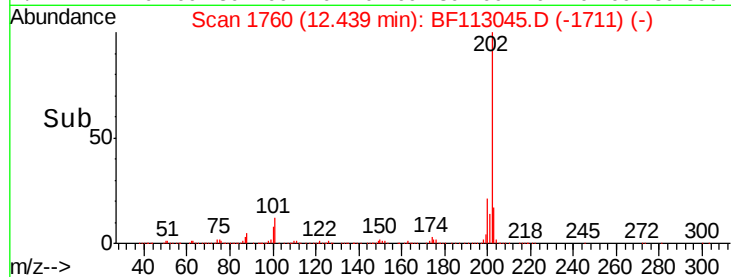
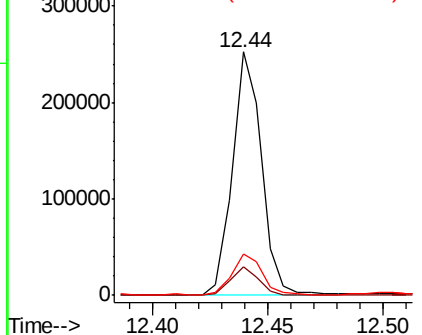
Tot Ion:	202	Resp:	221159
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	33.8
203	16.9	0.0	38.4

Manual Integrations
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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



#76

Chrysene-d12

Concen: 20.000 ng

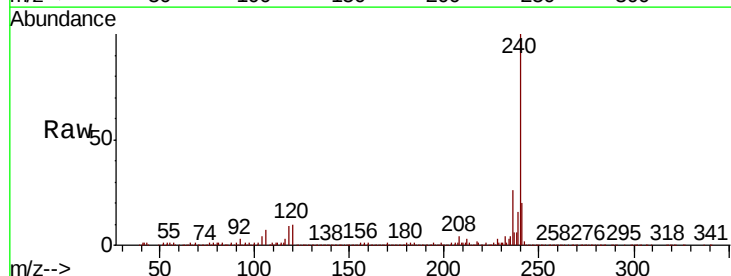
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

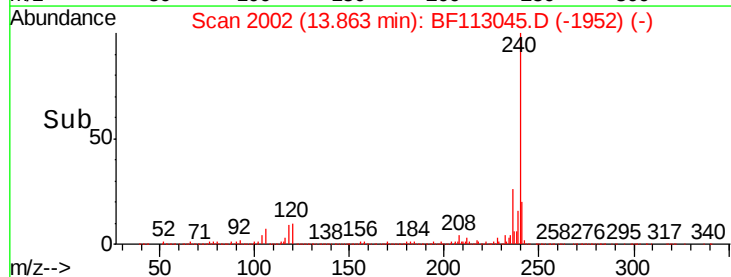
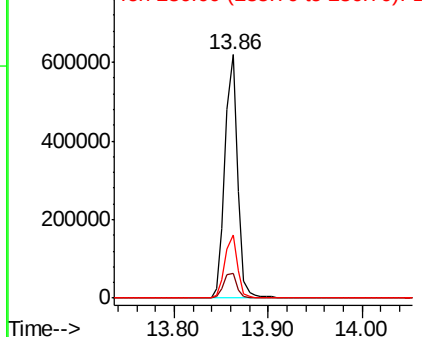
Lab File: BF113045.D

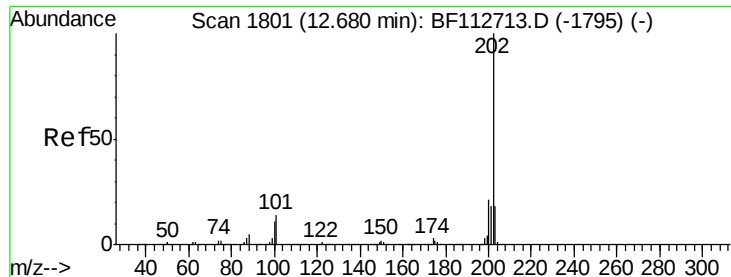
Acq: 13 Mar 2019 23:11

Tgt Ion:	240	Resp:	587386
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.9	13.3
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





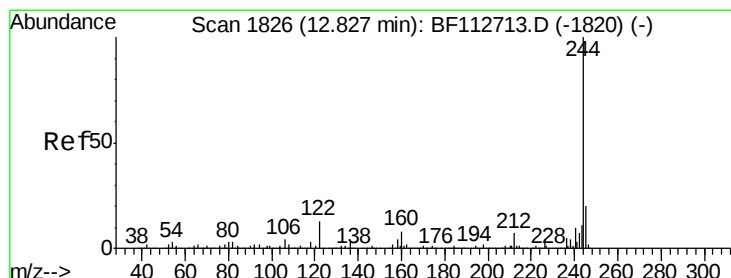
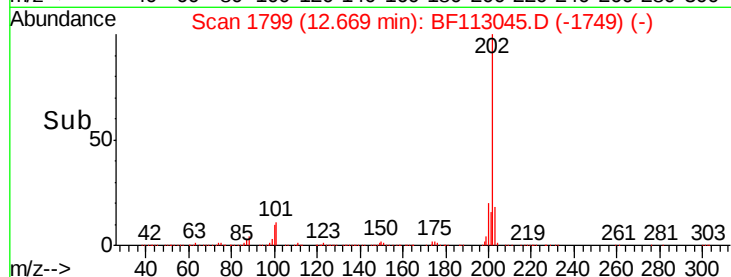
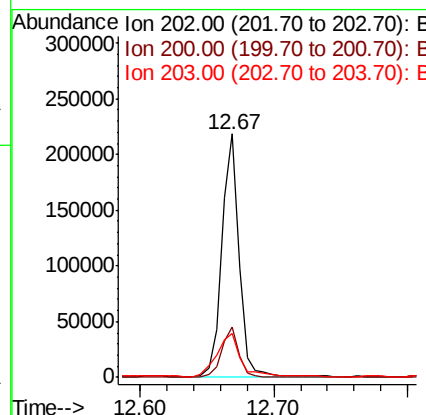
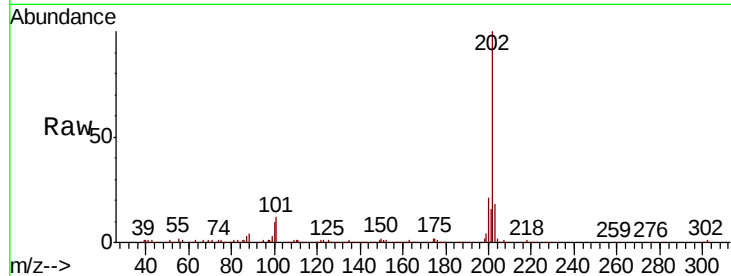
#78
Pvrene
Concen: 4.025 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.1	14.4	21.6

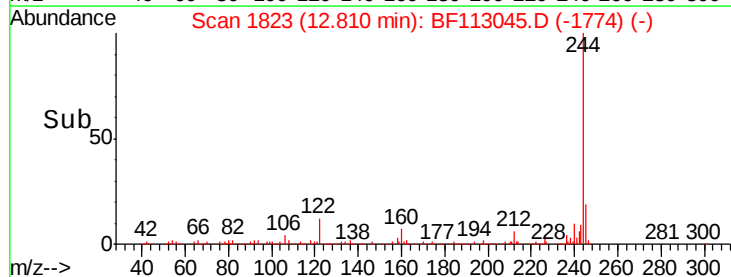
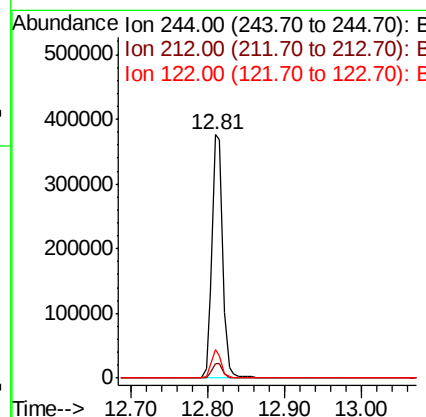
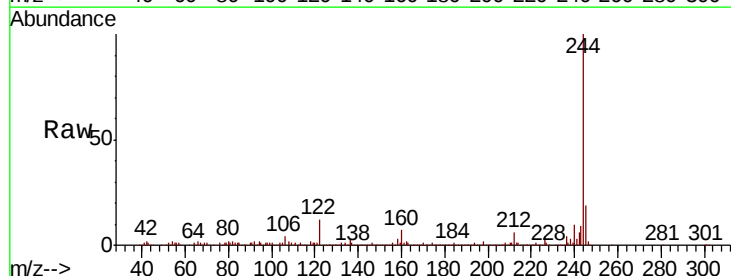
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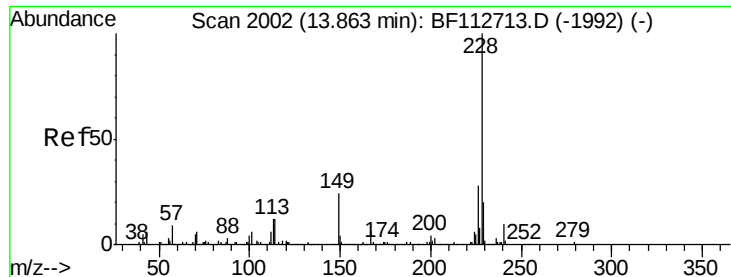
Sohil
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#79
Terphenyl-d14
Concen: 12.107 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.6	8.4
122	11.6	10.5	15.7





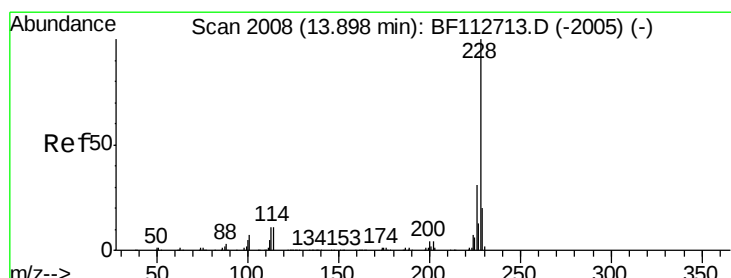
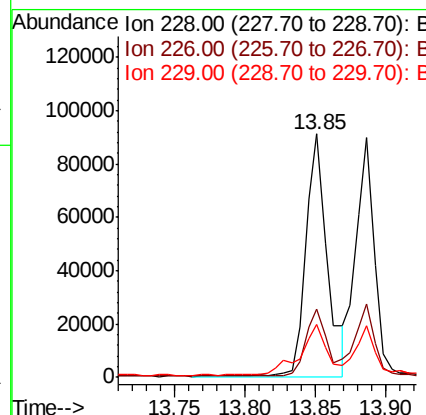
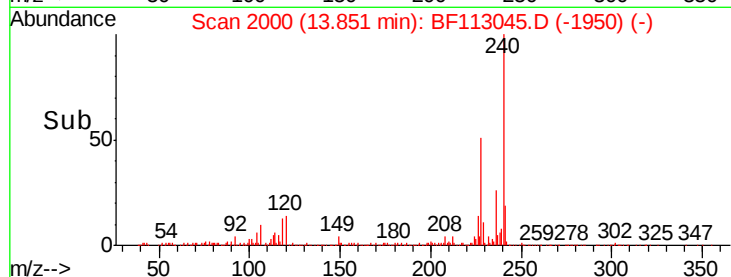
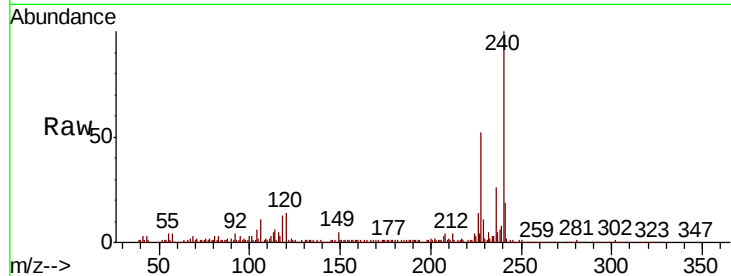
#81
Benzo(a)anthracene
Concen: 2.345 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.4
229	21.5	16.0	24.0

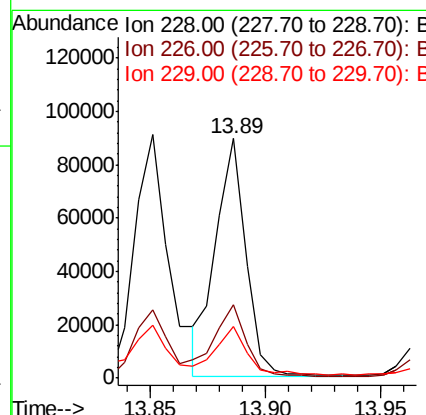
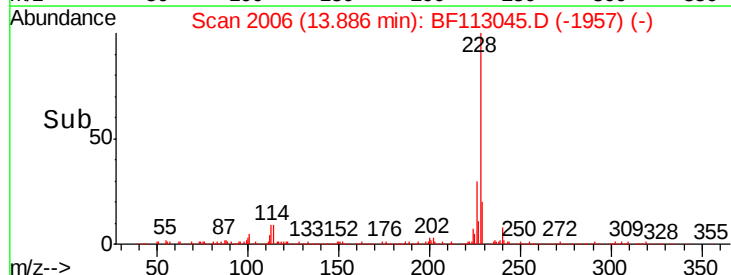
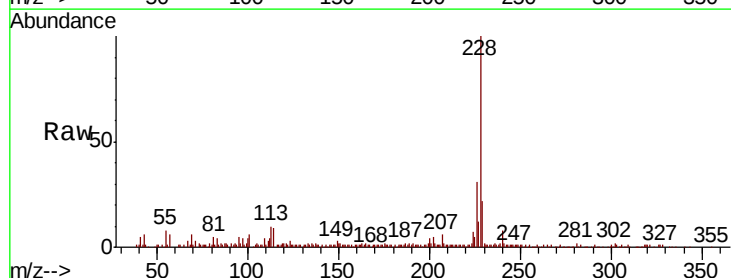
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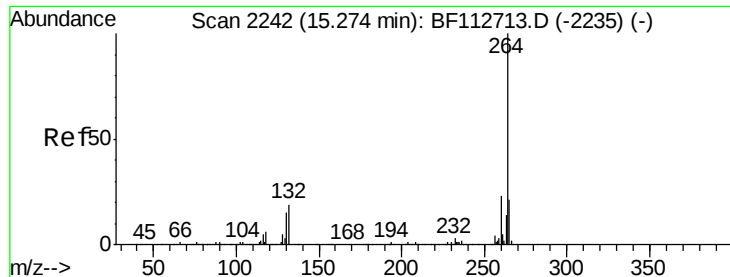
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#83
Chrysene
Concen: 2.056 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113045.D
Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.8	16.3	24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113045.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

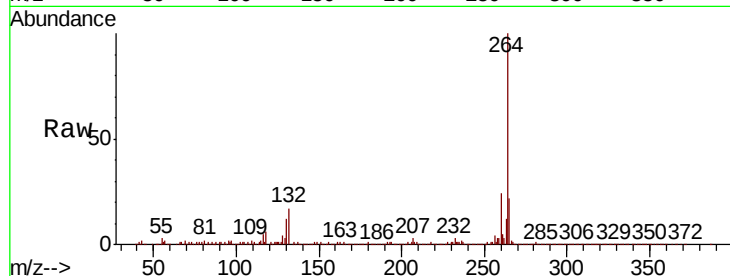
ClientSampleId :

SP-2

Tot Ion:	264	Resp:	449509
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	21.9	17.2	25.8

Manual Integrations
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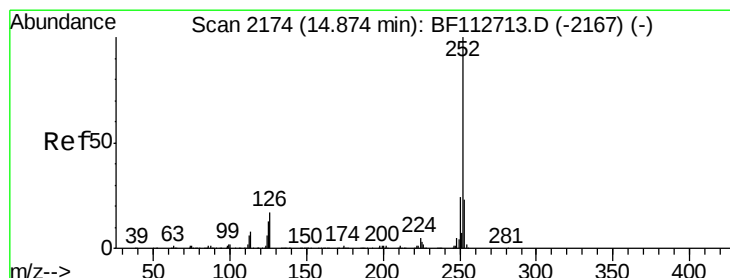
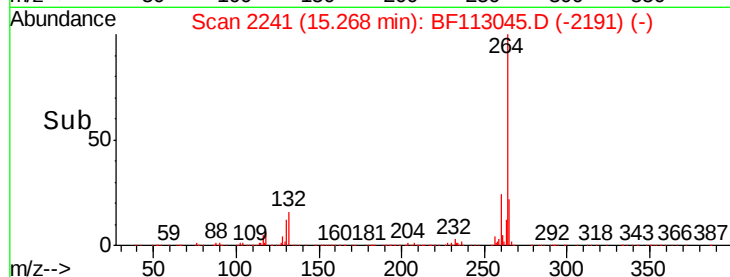
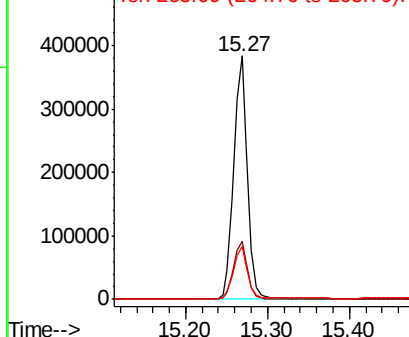


Abundance

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: 3.678 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113045.D

Acq: 13 Mar 2019 23:11

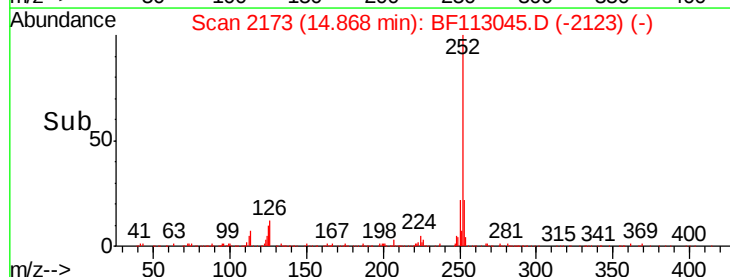
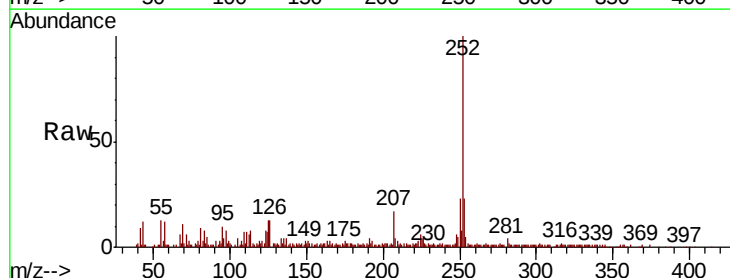
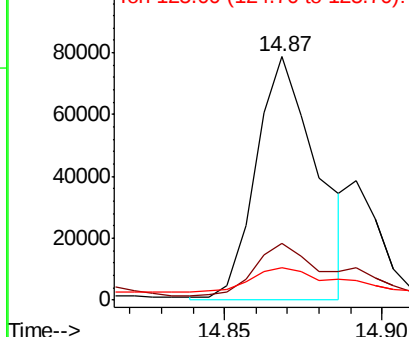
Tgt Ion:	252	Resp:	106953
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	13.4	10.2	15.2

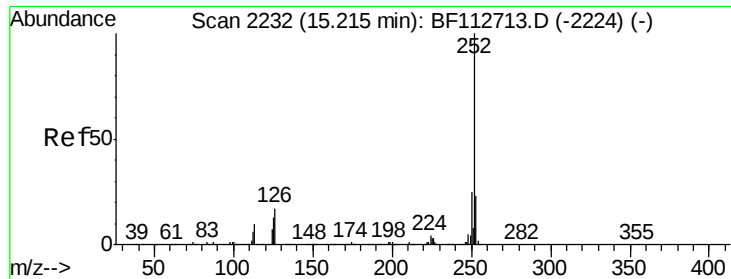
Abundance

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





#90
 Benzo(a)pyrene
 Concen: 2.668 ng
 RT: 15.21 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF113045.D
 Acq: 13 Mar 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	13.0	10.7	16.1

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