

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113838.D
 Acq On : 19 Apr 2019 1:20
 Operator : JU/SJ
 Sample : K2197-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-041619-C

Manual Integrations
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Sohil
 4/23/2019 8:16:53 AM

Quant Time: Apr 19 04:54:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	147127	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	494200	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	236510	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	512711	20.00	ng	0.00
76) Chrysene-d12	14.04	240	512202	20.00	ng	0.00
87) Perylene-d12	15.52	264	413916	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	407360	46.04	ng	0.00
7) Phenol-d6	6.51	99	491443	44.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	261412	32.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	138089	52.85	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	509740	32.87	ng	0.00
79) Terphenyl-d14	12.99	244	771076	31.57	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.20	128	75757	3.241	ng	98
37) 2-Methylnaphthalene	8.89	142	131276	8.464	ng	100
38) 1-Methylnaphthalene	8.99	142	123022	8.174	ng	98
50) Dimethylphthalate	9.64	163	51806	3.130	ng	98
52) Acenaphthene	9.96	154	39079	2.907	ng	96
58) Fluorene	10.47	166	143542	9.557	ng	100
71) Phenanthrene	11.44	178	812746	31.124	ng	99
72) Anthracene	11.49	178	197785	7.516	ng	98
75) Fluoranthene	12.62	202	557158	20.133	ng	100
78) Pyrene	12.85	202	802668	22.236	ng	99
81) Benzo(a)anthracene	14.04	228	335370	11.201	ng	95
83) Chrysene	14.07	228	351024	11.812	ng	96
86) Indeno(1,2,3-cd)pyrene	16.99	276	85484	3.524	ng	95
88) Benzo(b)fluoranthene	15.09	252	246938m	9.570	ng	
89) Benzo(k)fluoranthene	15.12	252	60150m	2.559	ng	
90) Benzo(a)pyrene	15.46	252	191906	8.411	ng	97
92) Benzo(a,h,i)perylene	17.43	276	87285	4.230	ng	95

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

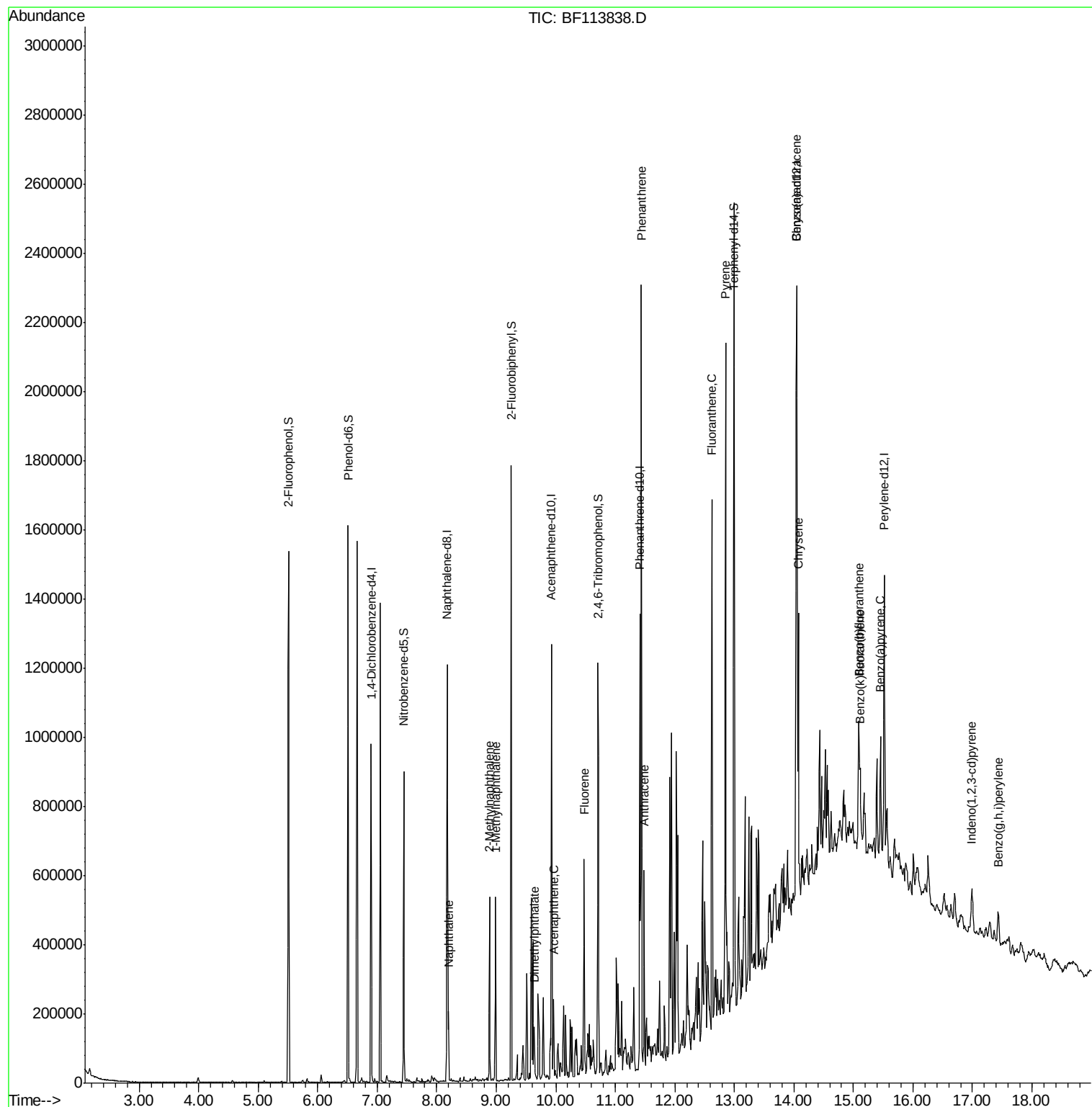
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113838.D
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ALS Vial : 22 Sample Multiplier: 1

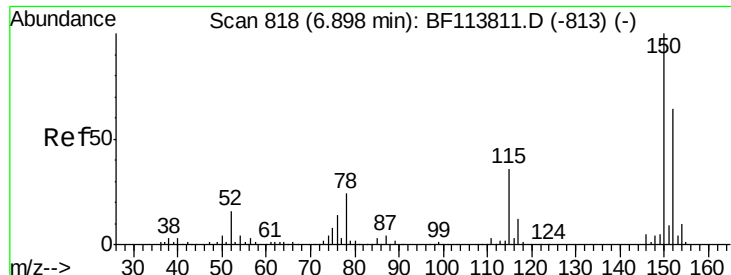
Instrument :
BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

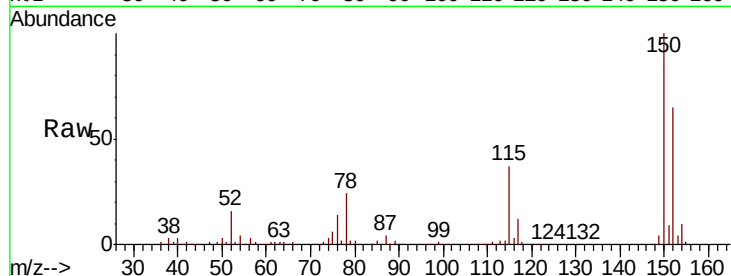
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Instrument :
BNA_F
ClientSampleId :
CL-01-041619-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.9	188.9
115	57.2	45.9	68.9

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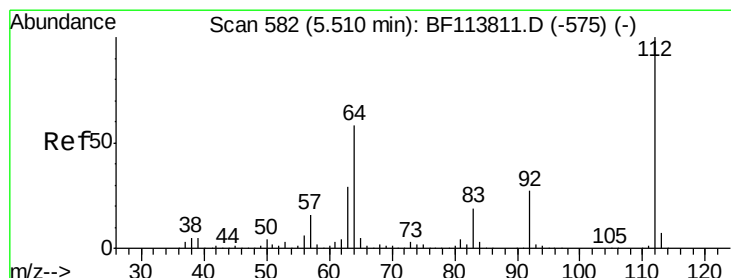
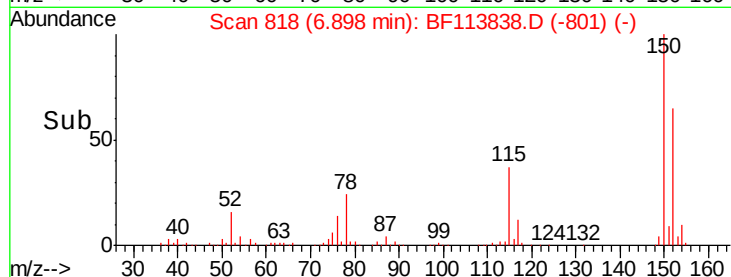
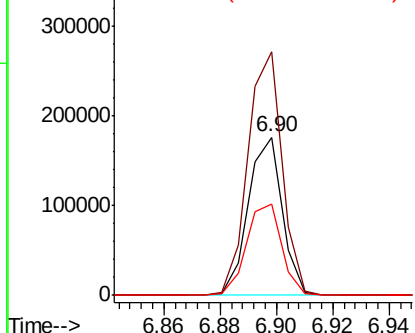


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

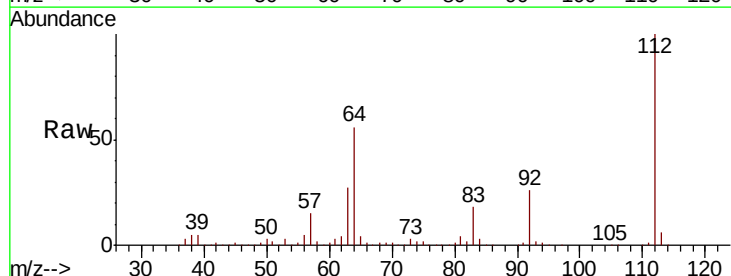
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.038 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.6	69.8
63	27.0	23.1	34.7

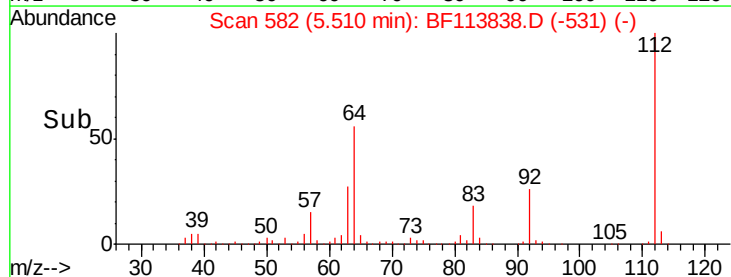
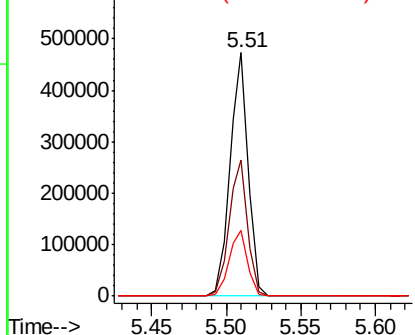


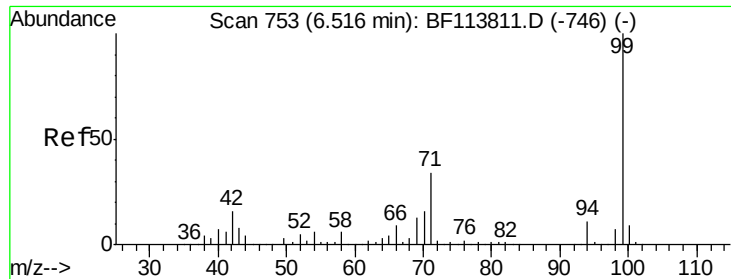
Abundance

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: 44.537 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

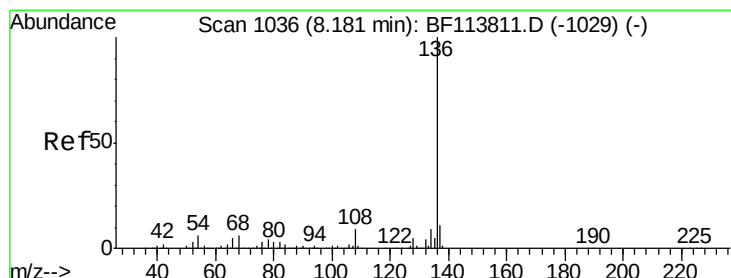
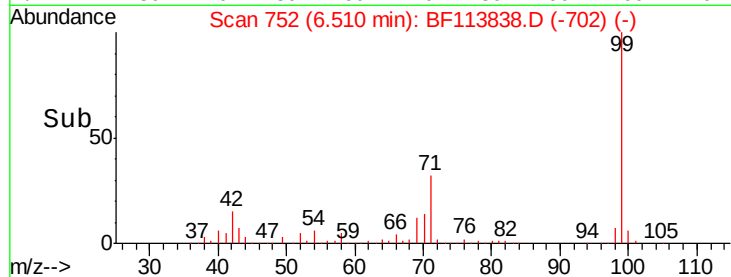
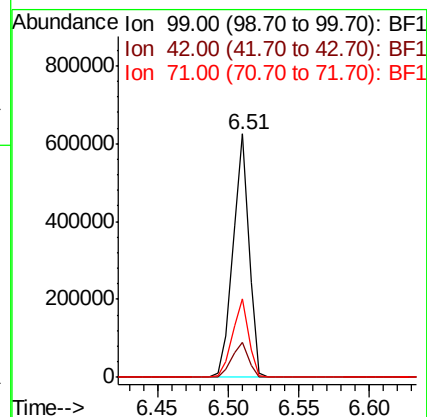
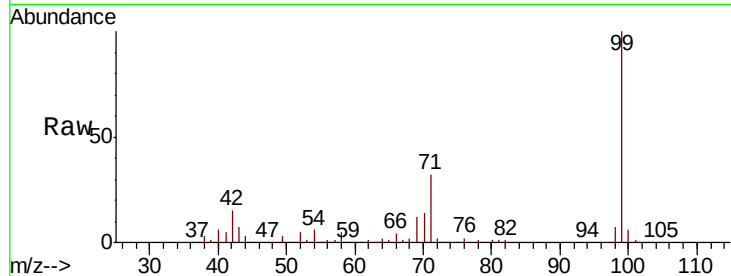
ClientSampleId :

CL-01-041619-C

Tot Ion:	99	Resp:	491443
Ion Ratio	Lower	Upper	
99	100		
42	14.5	12.5	18.7
71	32.2	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

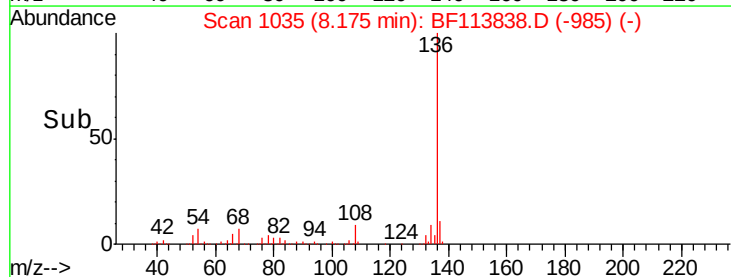
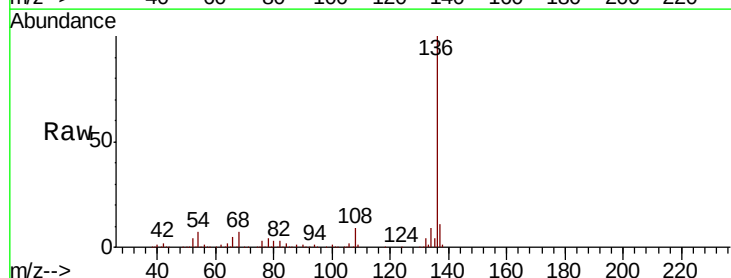
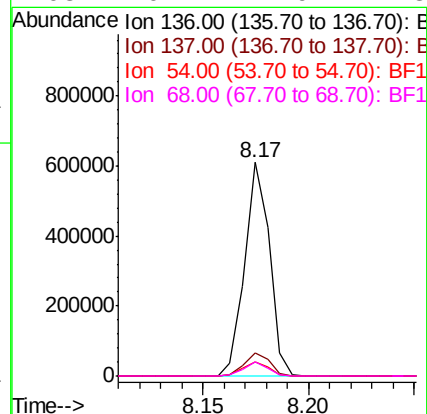
RT: 8.17 min Scan# 1035

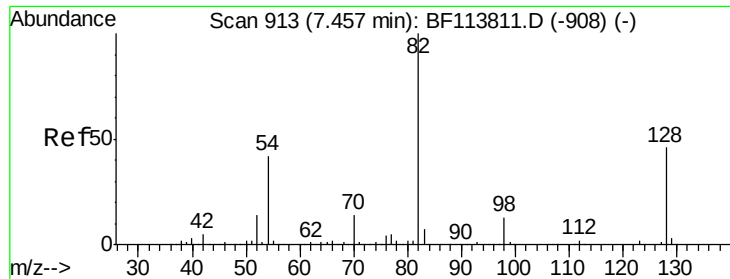
Delta R.T. -0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Tgt Ion:	136	Resp:	494200
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	12.8
54	6.8	5.0	7.6
68	6.7	4.9	7.3





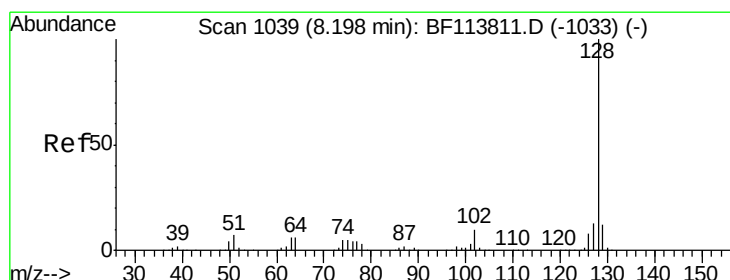
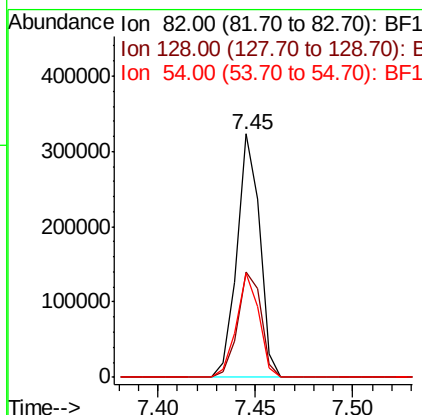
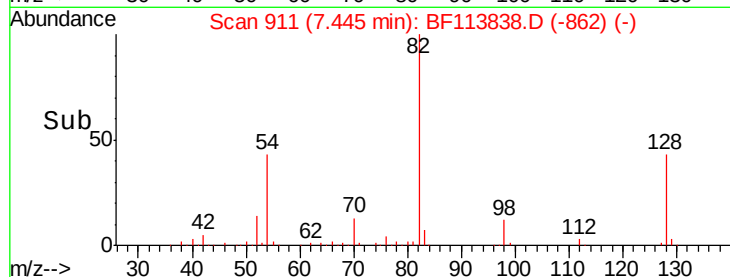
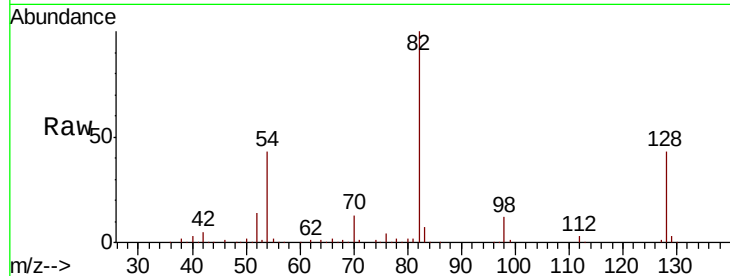
#23
Nitrobenzene-d5
Concen: 32.212 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Instrument :
BNA_F
ClientSampleId :
CL-01-041619-C

Tot Ion	82	Resp	261412
Ion Ratio	100	Lower	Upper
82	100		
128	43.3	36.8	55.2
54	42.7	33.8	50.6

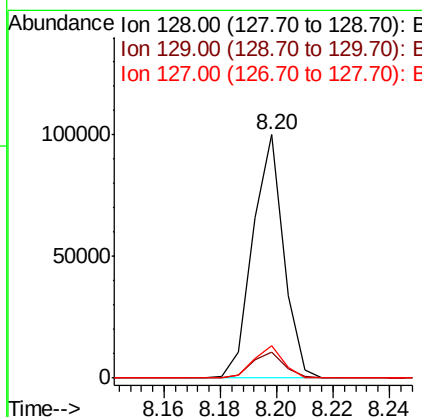
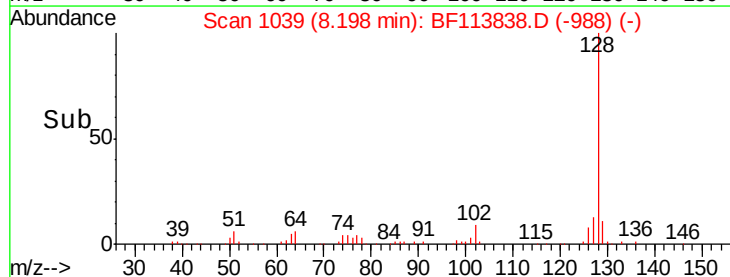
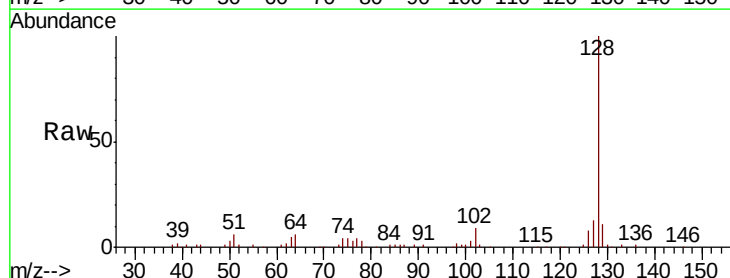
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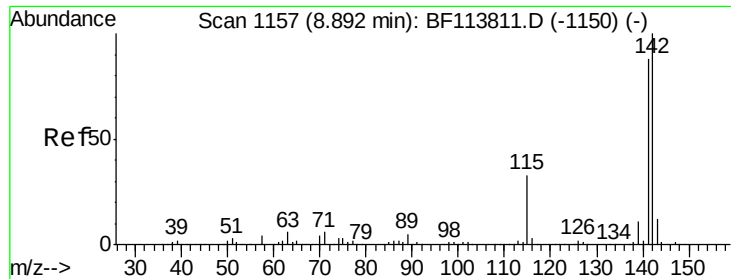
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#31
Naphthalene
Concen: 3.241 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Tgt Ion	128	Resp	75757
Ion Ratio	100	Lower	Upper
128	100		
129	10.5	9.4	14.0
127	13.1	10.8	16.2





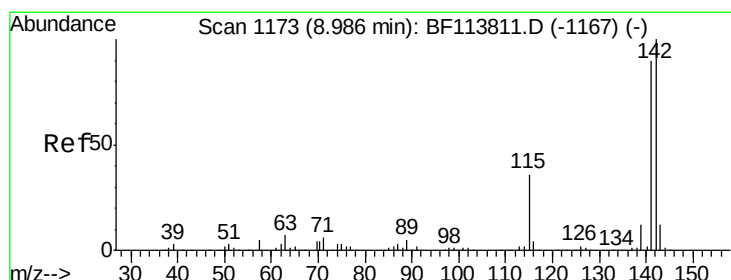
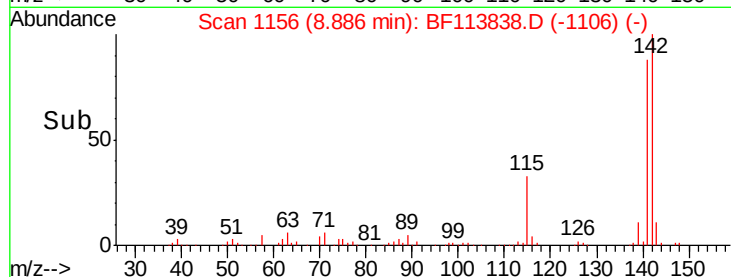
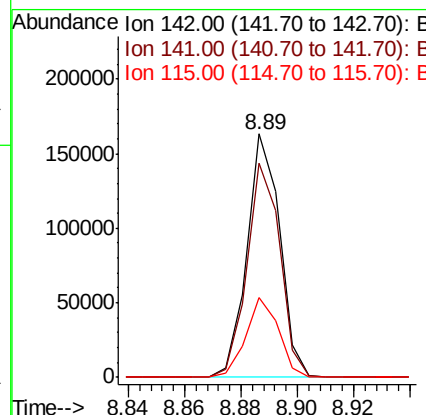
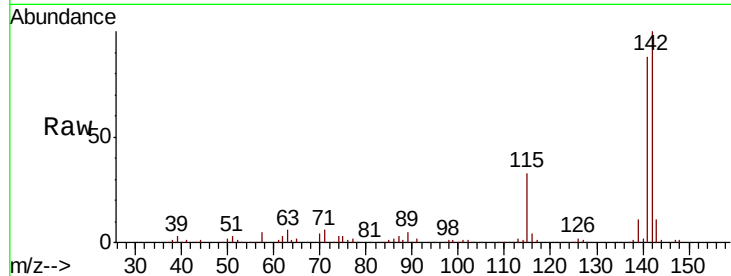
#37
2-Methylnaphthalene
Concen: 8.464 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Instrument :
BNA_F
ClientSampleId :
CL-01-041619-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.4	105.6
115	32.8	26.3	39.5

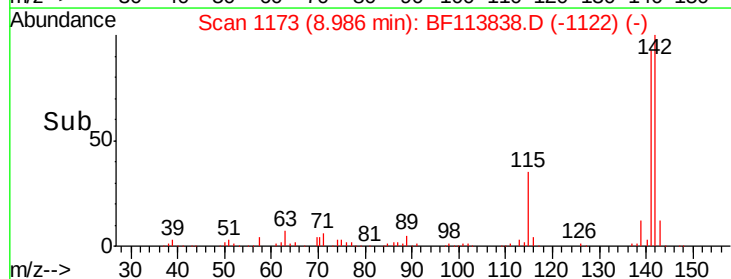
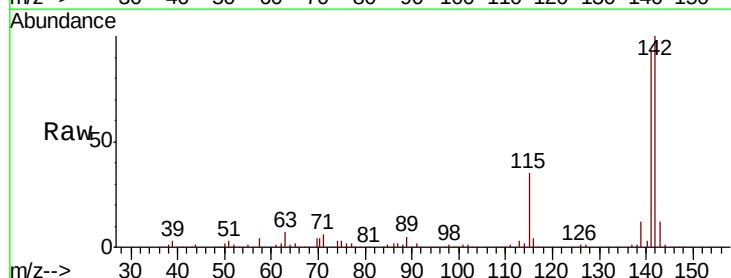
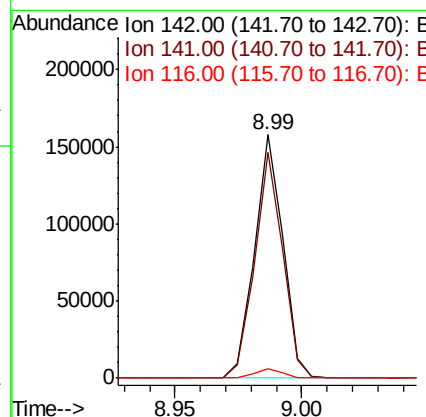
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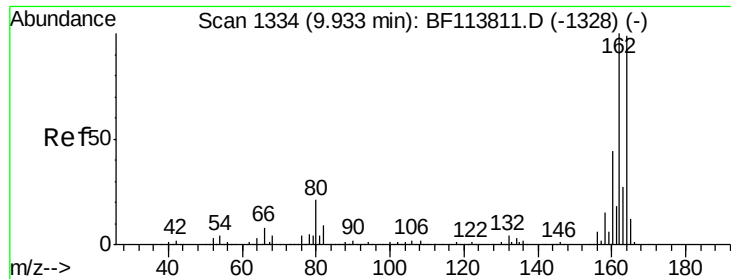
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#38
1-Methylnaphthalene
Concen: 8.174 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.3	108.5
116	3.7	3.0	4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

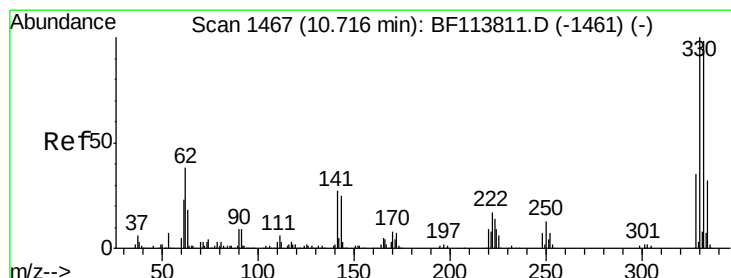
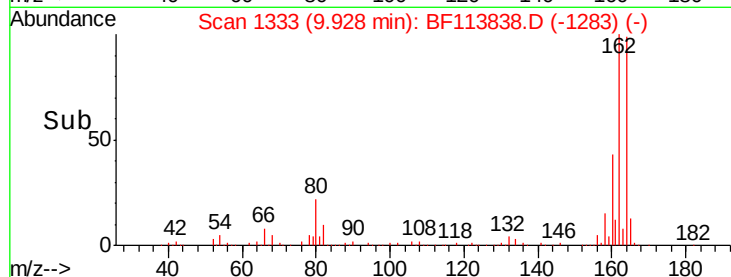
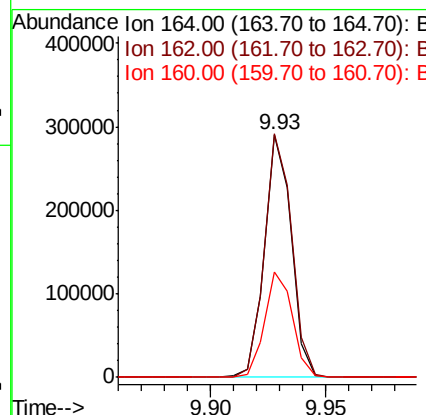
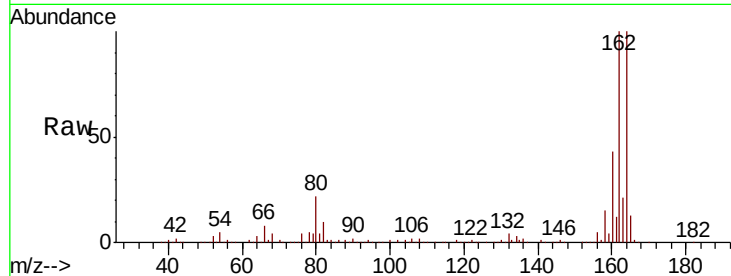
ClientSampleId :

CL-01-041619-C

Tot Ion:	164	Resp:	236510
Ion Ratio	Lower	Upper	
164	100		
162	100.4	81.1	121.7
160	43.4	35.8	53.6

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#42

2,4,6-Tribromophenol

Concen: 52.847 ng

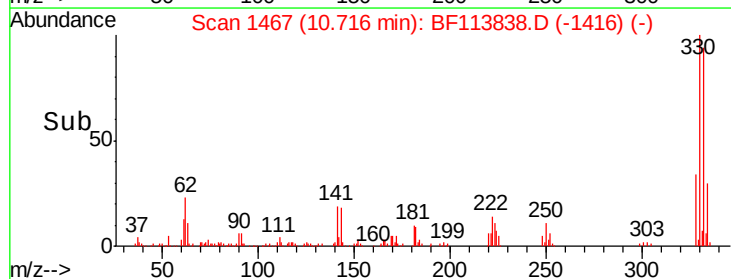
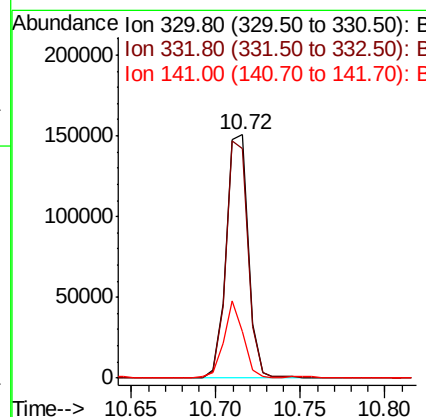
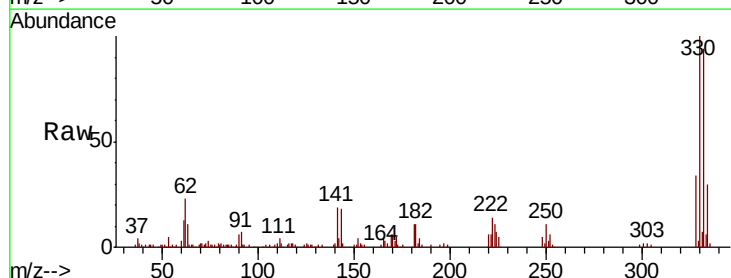
RT: 10.72 min Scan# 1467

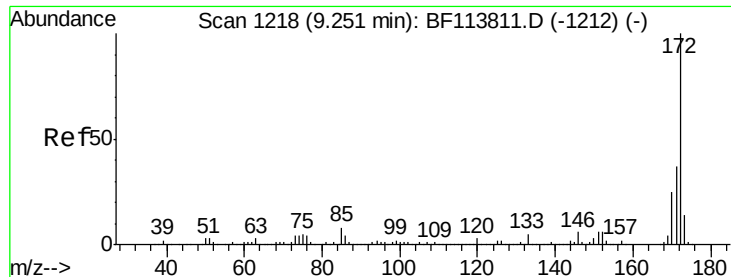
Delta R.T. -0.00 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Tgt Ion:	330	Resp:	138089
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.5	116.3
141	28.3	22.2	33.2





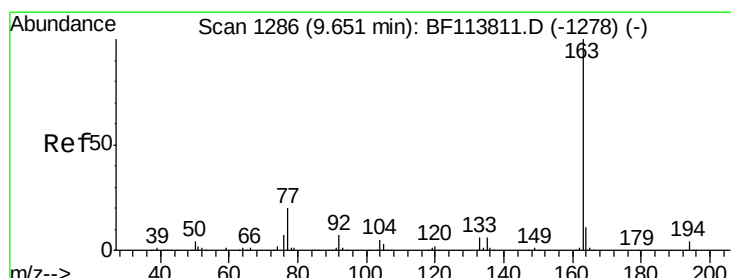
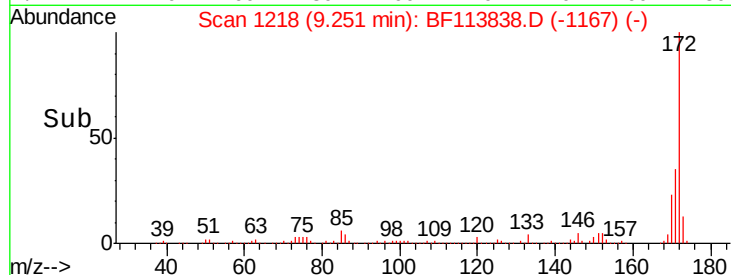
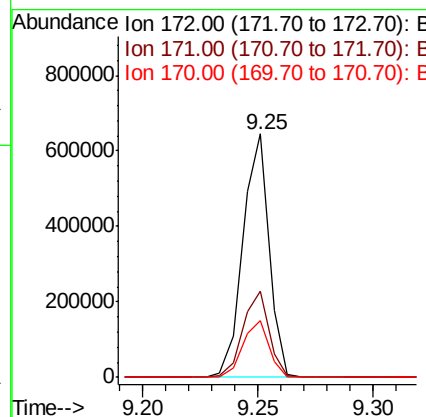
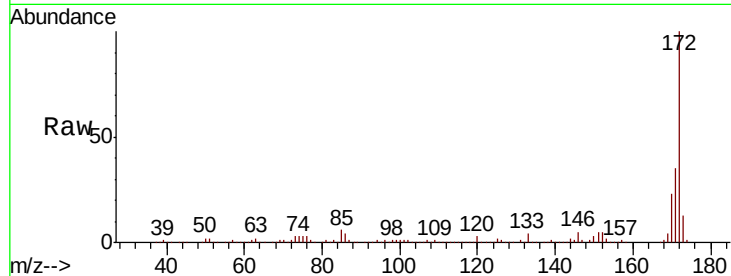
#45
2-Fluorobiphenyl
Concen: 32.869 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Instrument :
BNA_F
ClientSampleId :
CL-01-041619-C

Tot Ion	Ratio	Resp	Lower	Upper
172	100	509740		
171	35.2		29.4	44.0
170	23.4		19.9	29.9

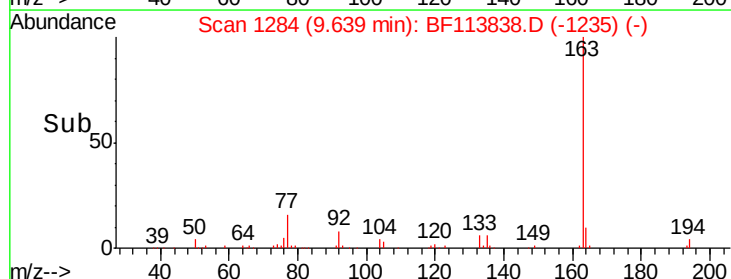
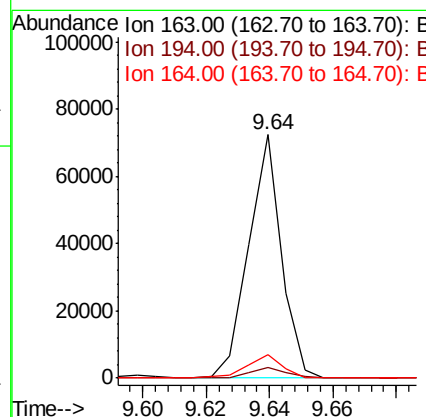
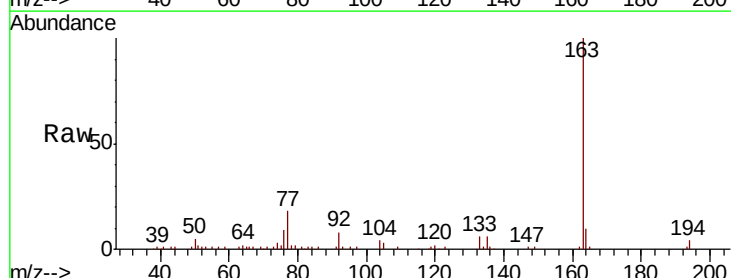
Manual Integrations
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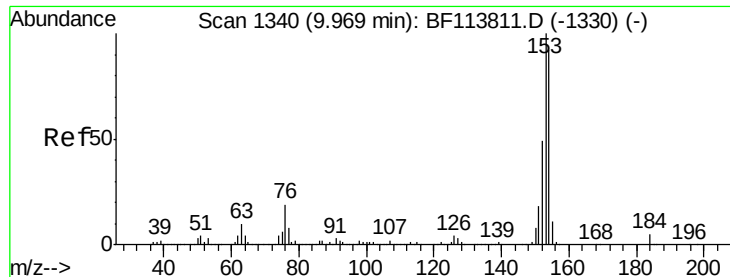
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#50
Dimethylphthalate
Concen: 3.130 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	51806		
194	4.2		3.4	5.2
164	9.6		8.5	12.7





#52

Acenaphthene

Concen: 2.907 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

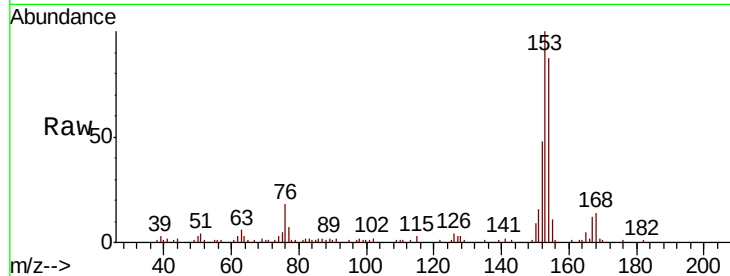
ClientSampleId :

CL-01-041619-C

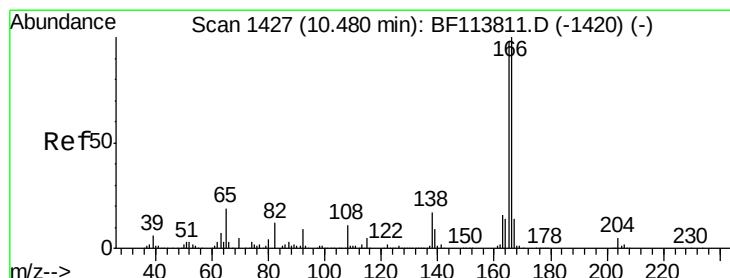
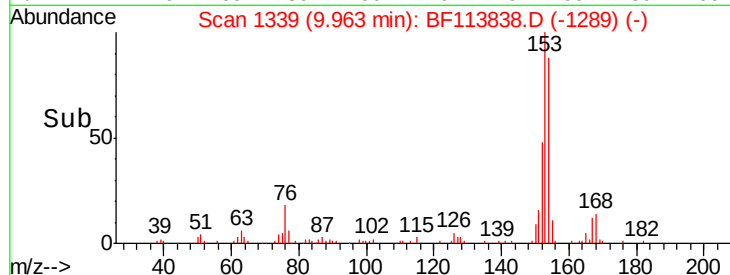
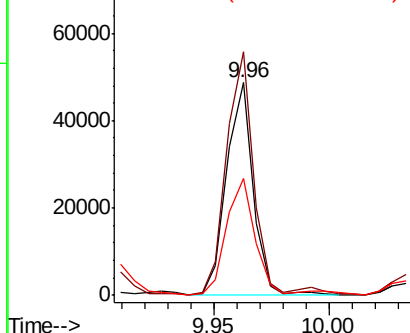
Tot Ion:	154	Resp:	39079
Ion Ratio	Lower	Upper	
154	100		
153	114.5	87.2	130.8
152	54.7	42.3	63.5

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 9.557 ng

RT: 10.47 min Scan# 1426

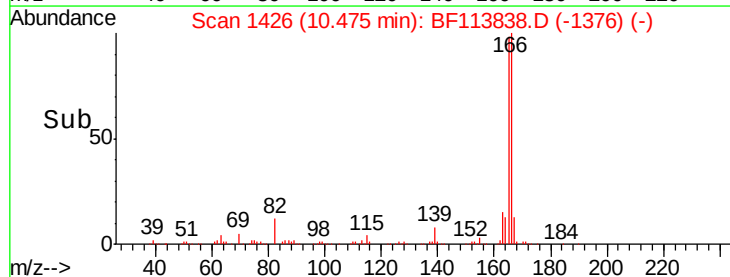
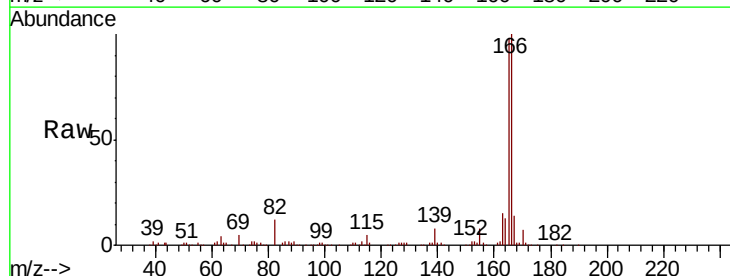
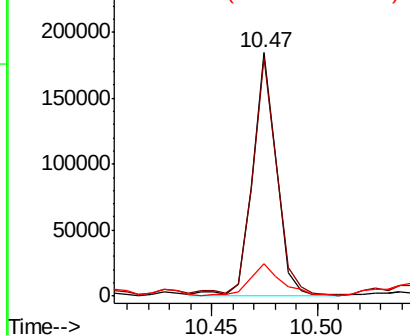
Delta R.T. -0.01 min

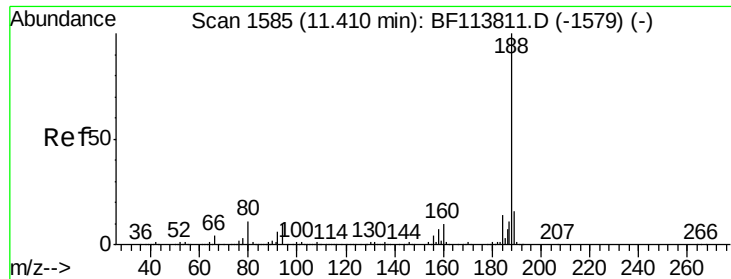
Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Tgt Ion:	166	Resp:	143542
Ion Ratio	Lower	Upper	
166	100		
165	97.9	78.4	117.6
167	13.5	10.9	16.3

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: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

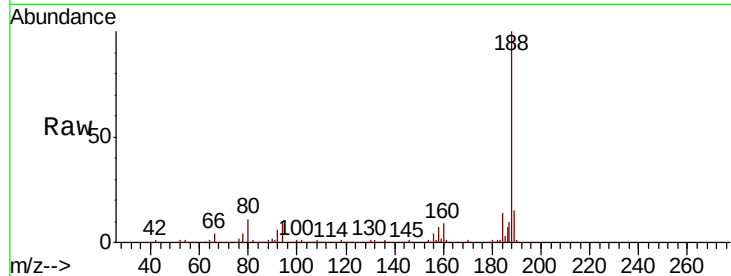
ClientSampleId :

CL-01-041619-C

Tot Ion:	188	Resp:	512711
Ion Ratio		Lower	Upper
188	100		
94	10.1	8.2	12.4
80	11.3	9.0	13.6

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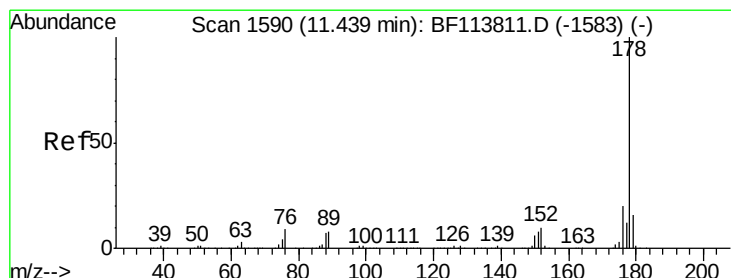
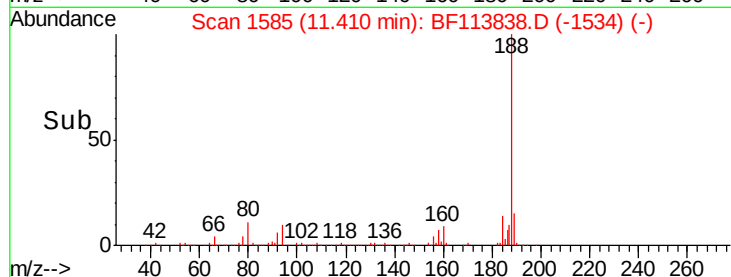
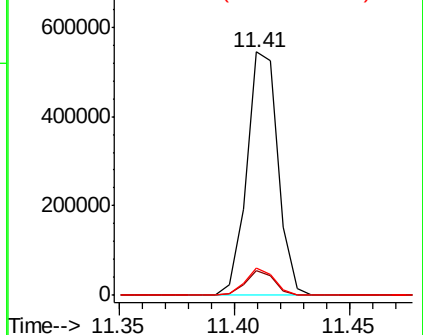
Sohil
4/23/2019 8:16:53 AM



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: 31.124 ng

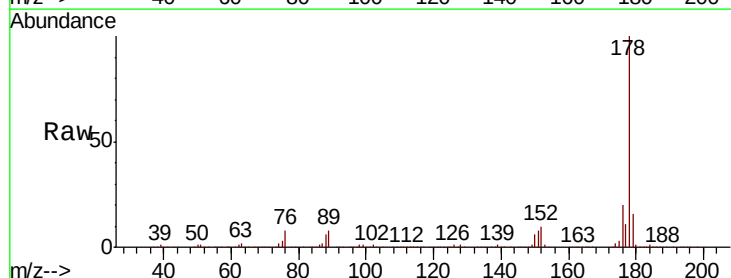
RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

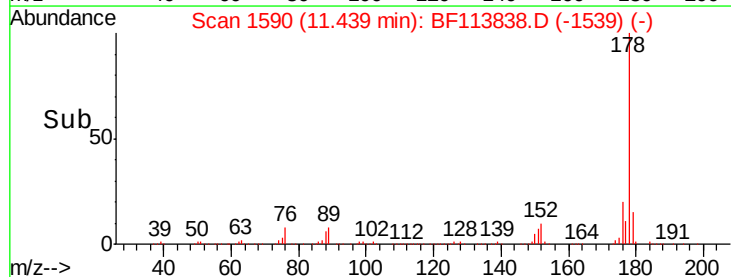
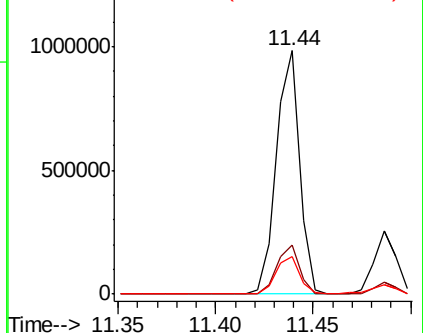
Tgt Ion:	178	Resp:	812746
Ion Ratio		Lower	Upper
178	100		
176	19.9	16.1	24.1
179	15.7	12.8	19.2

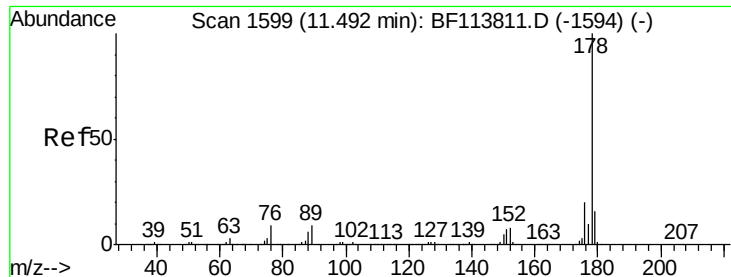


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.516 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

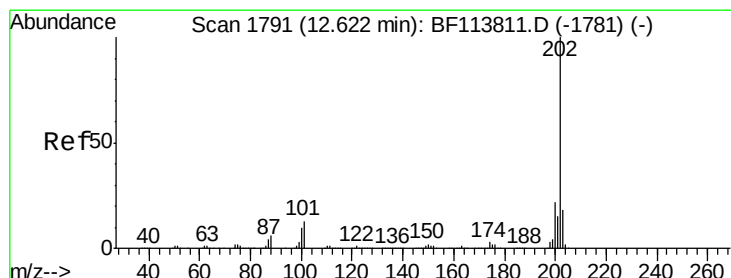
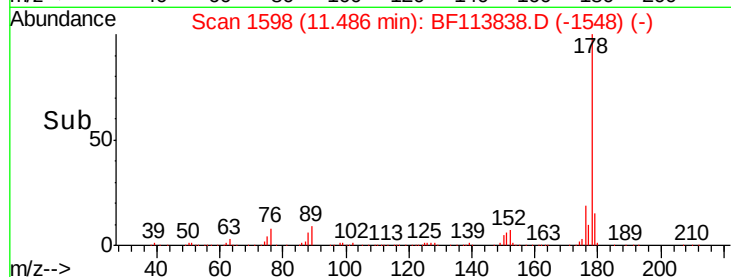
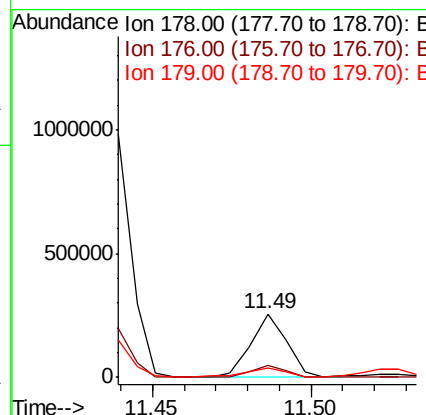
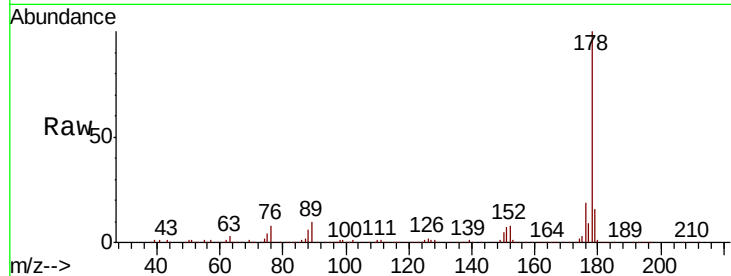
ClientSampleId :

CL-01-041619-C

Tot Ion:	178	Resp:	197785
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.7	23.5
179	15.7	13.0	19.4

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#75

Fluoranthene

Concen: 20.133 ng

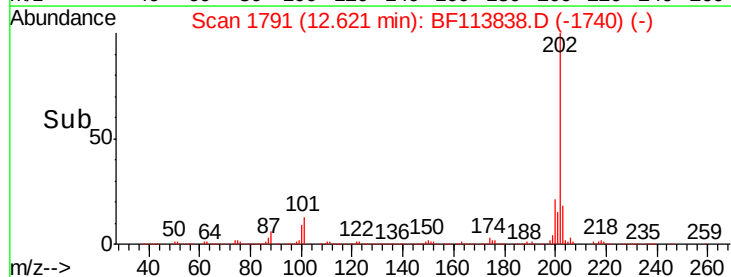
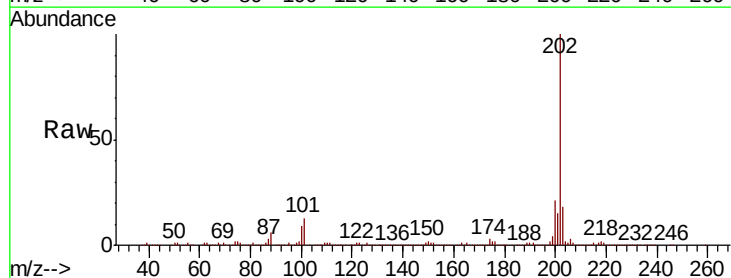
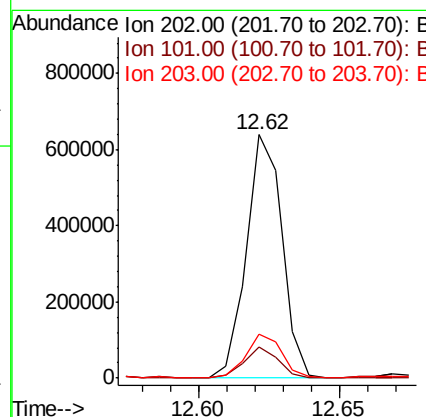
RT: 12.62 min Scan# 1791

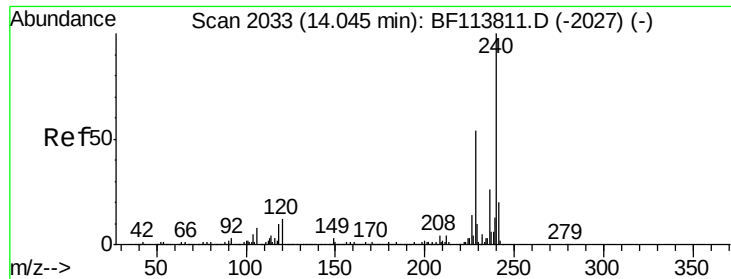
Delta R.T. -0.00 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Tgt Ion:	202	Resp:	557158
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.9
203	18.0	0.0	38.2





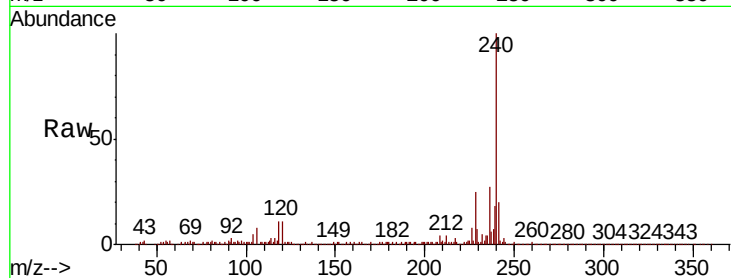
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Instrument :
BNA_F
ClientSampleId :
CL-01-041619-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.3	13.9
236	26.5	21.2	31.8

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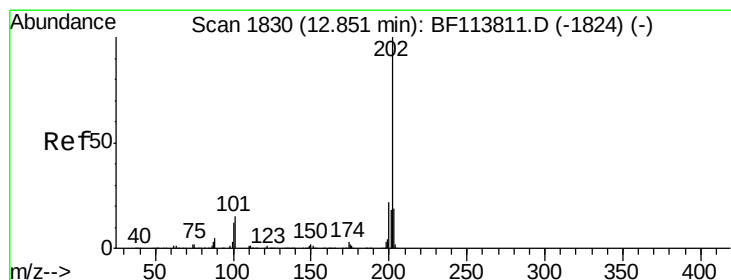
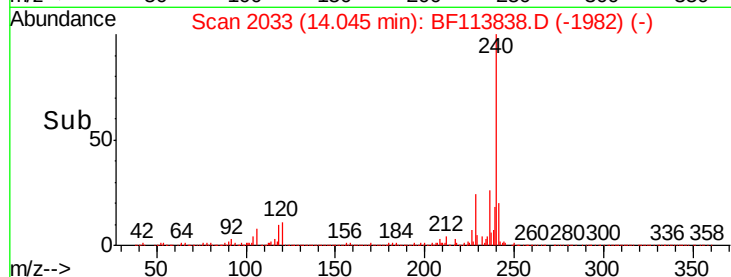
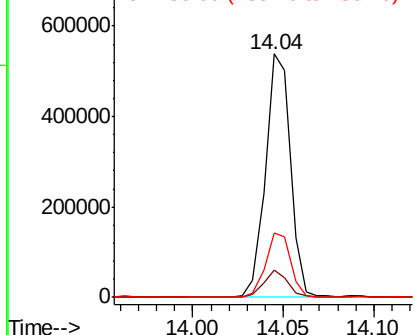


Abundance

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
Pyrene
Concen: 22.236 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

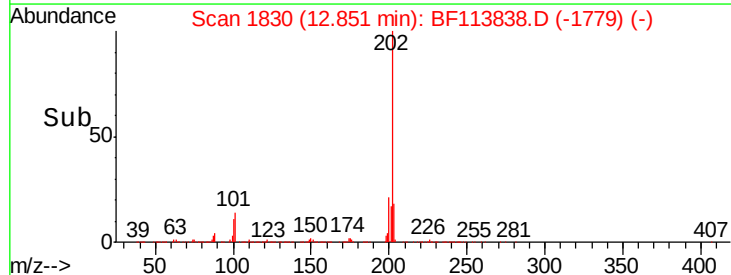
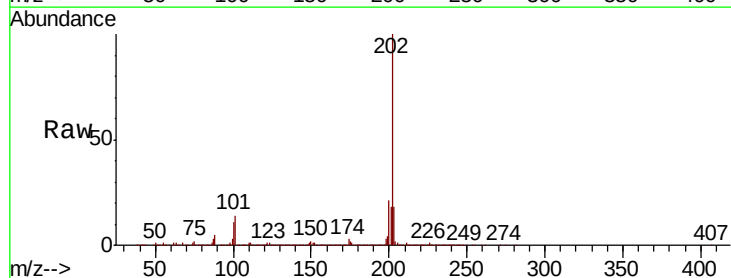
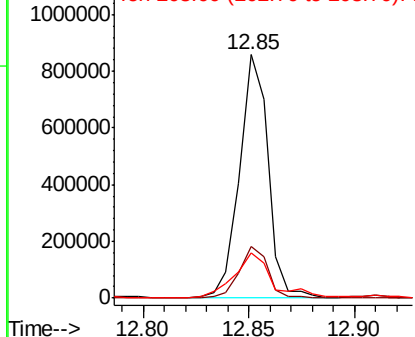
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	18.5	15.0	22.6

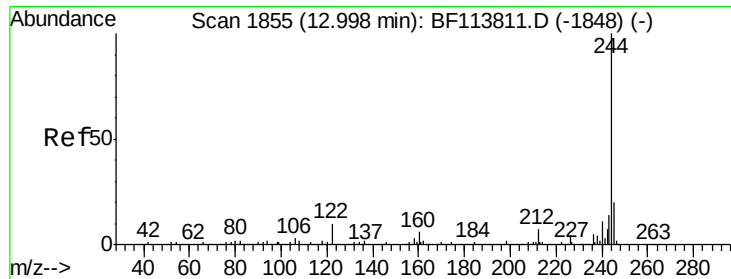
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





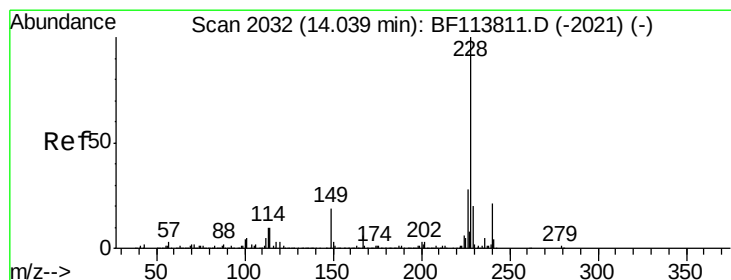
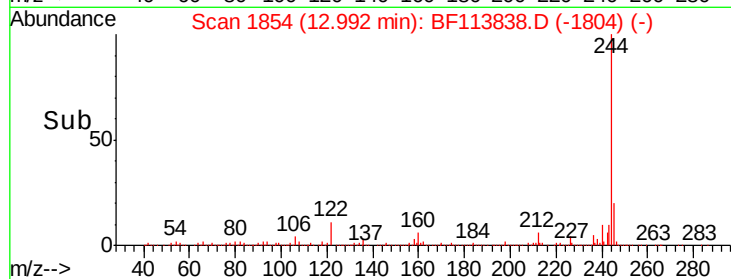
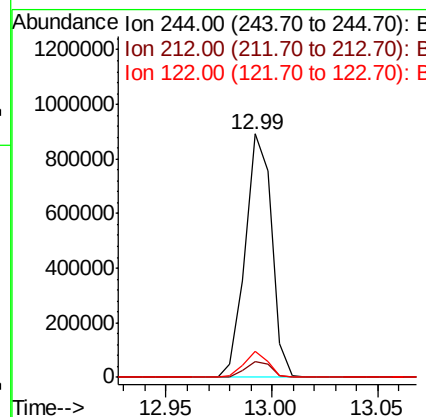
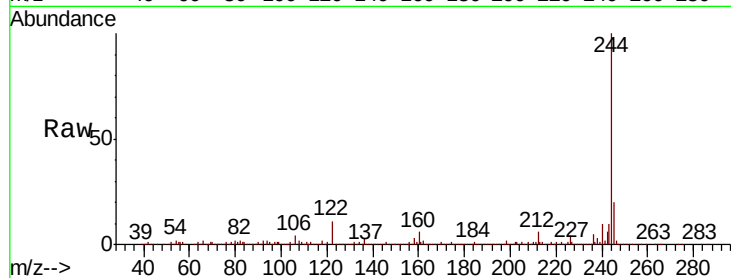
#79
 Terphenyl-d14
 Concen: 31.568 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF113838.D
 Acq: 19 Apr 2019 1:20

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-041619-C

Tot Ion	Ratio	Resp	Lower	Upper
244	100	771076		
212	6.4		5.4	8.2
122	10.6		7.6	11.4

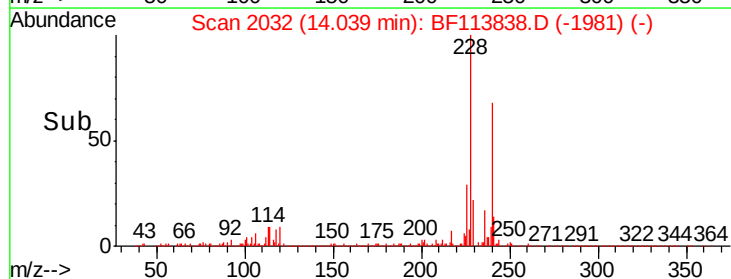
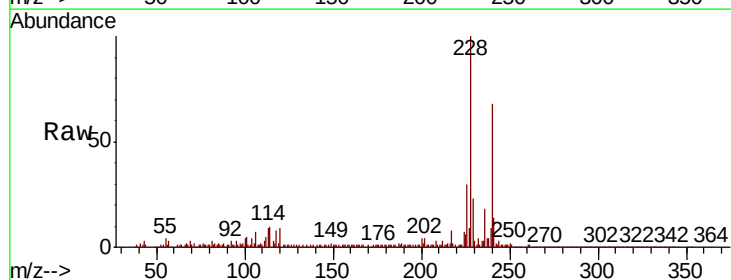
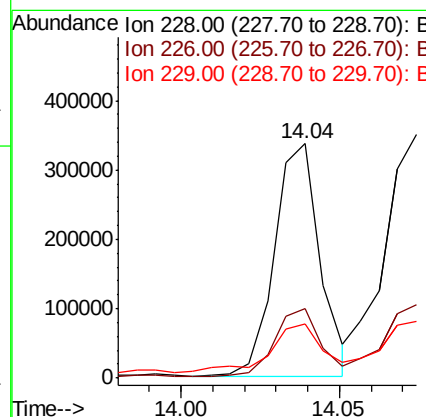
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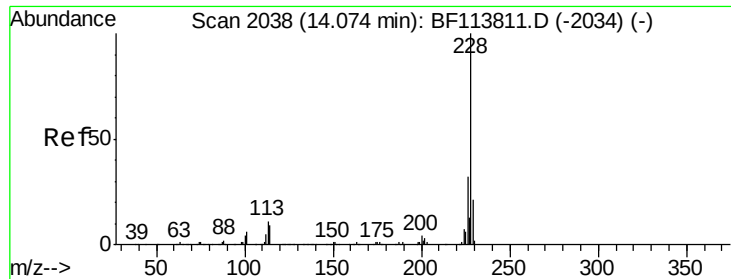
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#81
 Benzo(a)anthracene
 Concen: 11.201 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BF113838.D
 Acq: 19 Apr 2019 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	335370		
226	29.8		22.2	33.2
229	22.9		16.0	24.0





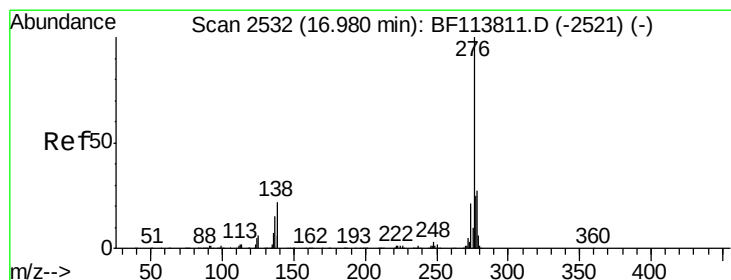
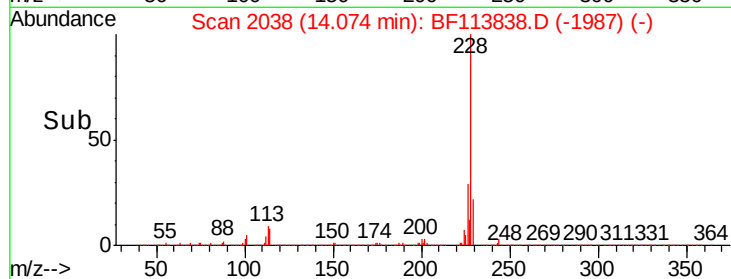
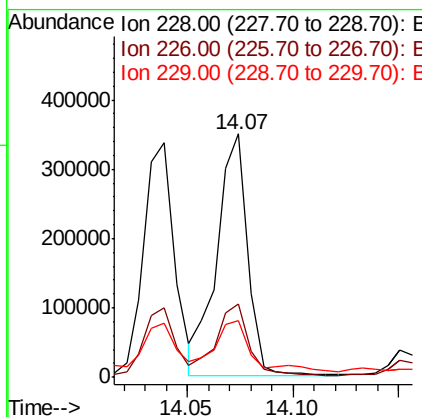
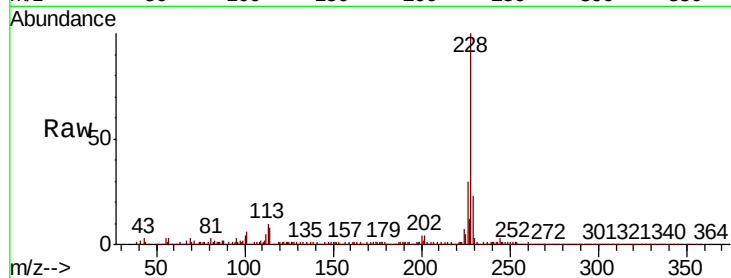
#83
Chrysene
Concen: 11.812 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Instrument :
BNA_F
ClientSampleId :
CL-01-041619-C

Tot Ion:	228	Resp:	351024
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.2	37.8
229	23.1	16.7	25.1

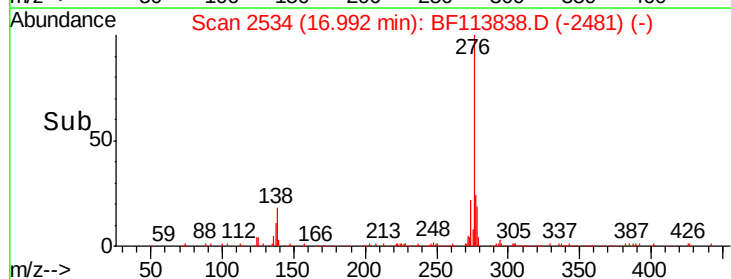
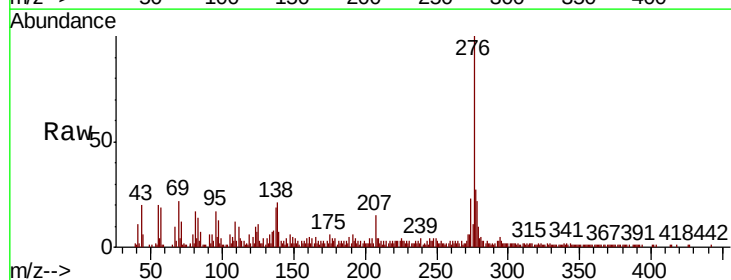
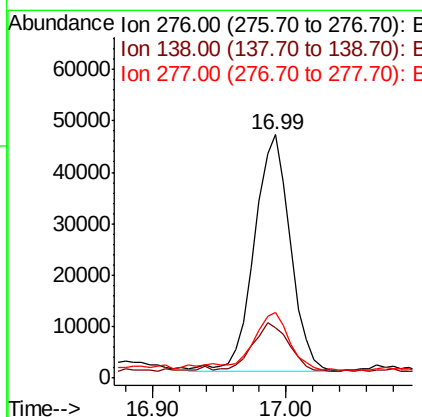
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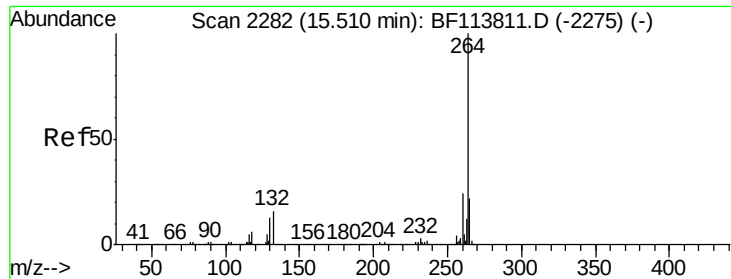
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.524 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF113838.D
Acq: 19 Apr 2019 1:20

Tgt Ion:	276	Resp:	85484
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.6	29.4
277	24.3	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

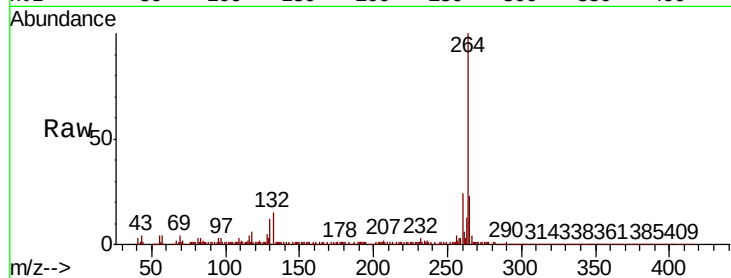
ClientSampleId :

CL-01-041619-C

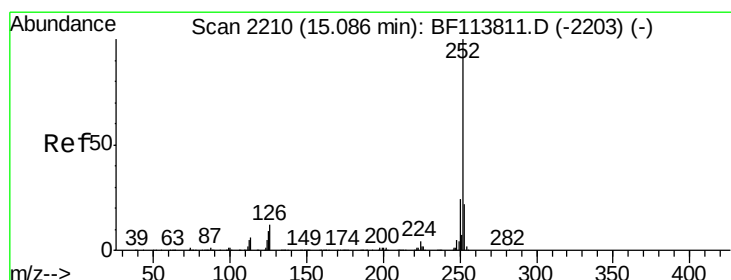
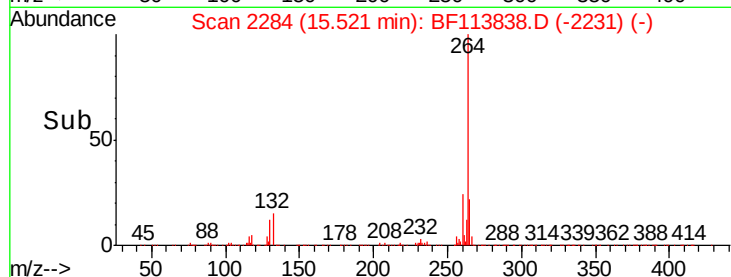
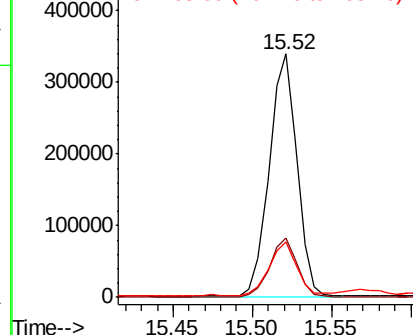
Tot Ion:	264	Resp:	413916
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.9	28.3
265	22.9	17.3	25.9

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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: 9.570 ng m

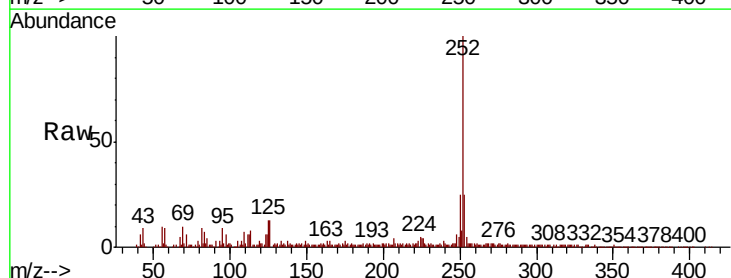
RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

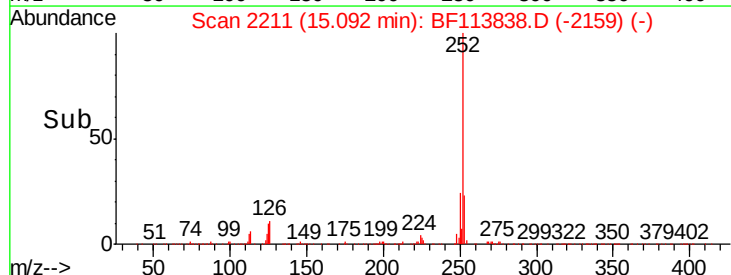
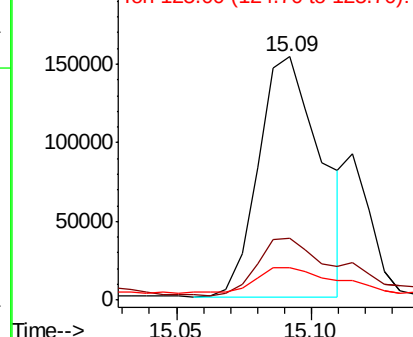
Lab File: BF113838.D

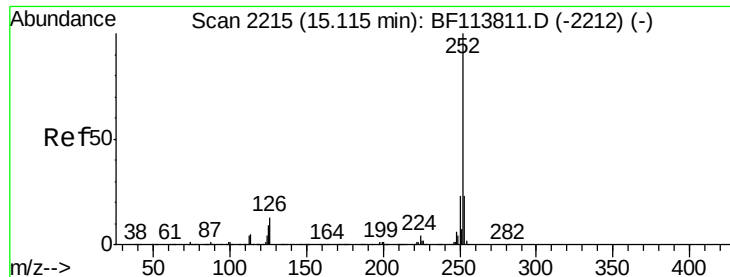
Acq: 19 Apr 2019 1:20

Tgt Ion:	252	Resp:	246938
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.8	26.6
125	13.4	7.0	10.6#



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: 2.559 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Instrument :

BNA_F

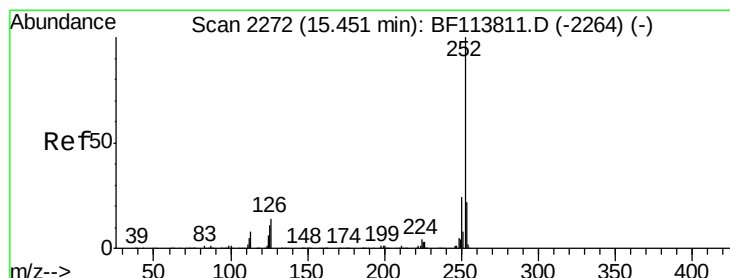
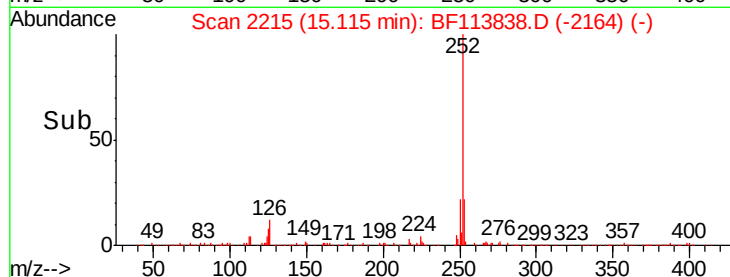
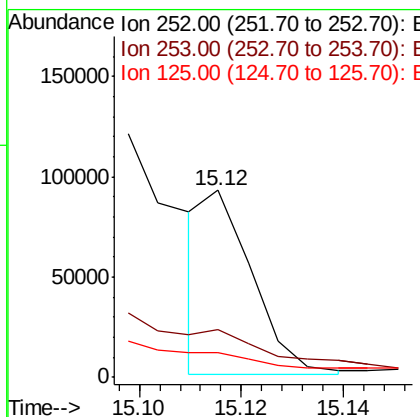
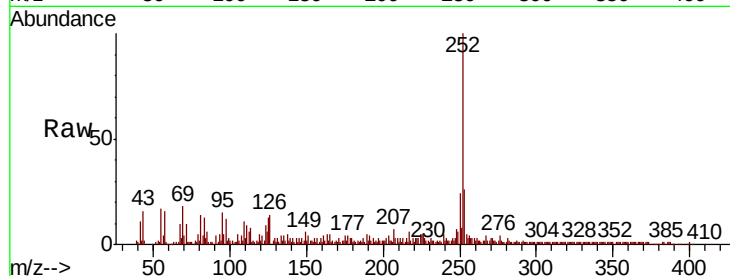
ClientSampleId :

CL-01-041619-C

Tot Ion:	252	Resp:	60150
Ion Ratio	Lower	Upper	
252	100		
253	25.8	18.2	27.2
125	13.3	7.4	11.2#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 8.411 ng

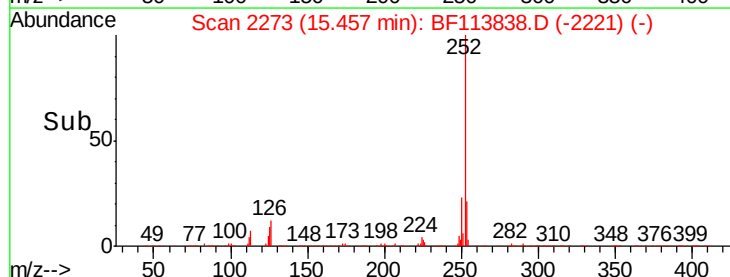
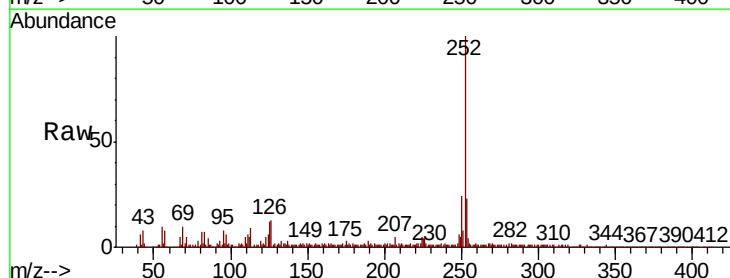
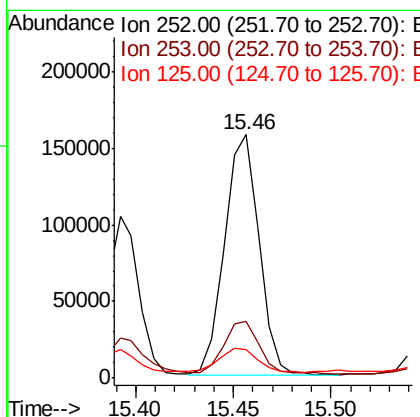
RT: 15.46 min Scan# 2273

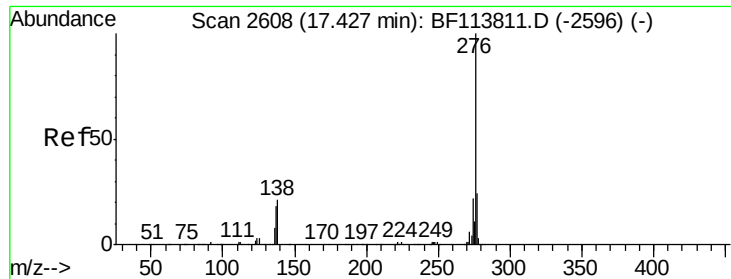
Delta R.T. 0.01 min

Lab File: BF113838.D

Acq: 19 Apr 2019 1:20

Tgt Ion:	252	Resp:	191906
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	12.0	8.5	12.7





#92
 Benzo(a,h,i)perylene
 Concen: 4.230 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.01 min
 Lab File: BF113838.D
 Acq: 19 Apr 2019 1:20

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-041619-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.0	28.4
138	22.3	16.6	25.0

Manual Integrations
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