

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113136.D
 Acq On : 19 Mar 2019 20:11
 Operator : JU/SJ
 Sample : K1692-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Manual Integrations
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Quant Time: Mar 20 02:36:58 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	180411	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	668207	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	285003	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	465133	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	359600	20.00	ng	0.00
87) Perylene-d12	15.27	264	234749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	222128	19.15	ng	-0.01
7) Phenol-d6	6.36	99	292669	20.09	ng	-0.01
23) Nitrobenzene-d5	7.28	82	162813	14.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	61730	20.40	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	319989	14.17	ng	-0.01
79) Terphenyl-d14	12.82	244	250077	13.48	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	221416	9.568	ng	98
72) Anthracene	11.31	178	60123	2.482	ng	99
75) Fluoranthene	12.44	202	335826	13.545	ng	97
78) Pyrene	12.67	202	395769	13.055	ng	99
81) Benzo(a)anthracene	13.85	228	153311	6.151	ng	93
83) Chrysene	13.89	228	163335	6.691	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	45121	2.168	ng	# 89
88) Benzo(b)fluoranthene	14.87	252	117063m	7.710	ng	
89) Benzo(k)fluoranthene	14.90	252	34771m	2.528	ng	
90) Benzo(a)pyrene	15.22	252	88392	6.581	ng	98
92) Benzo(g,h,i)perylene	17.04	276	46537	4.044	ng	95

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

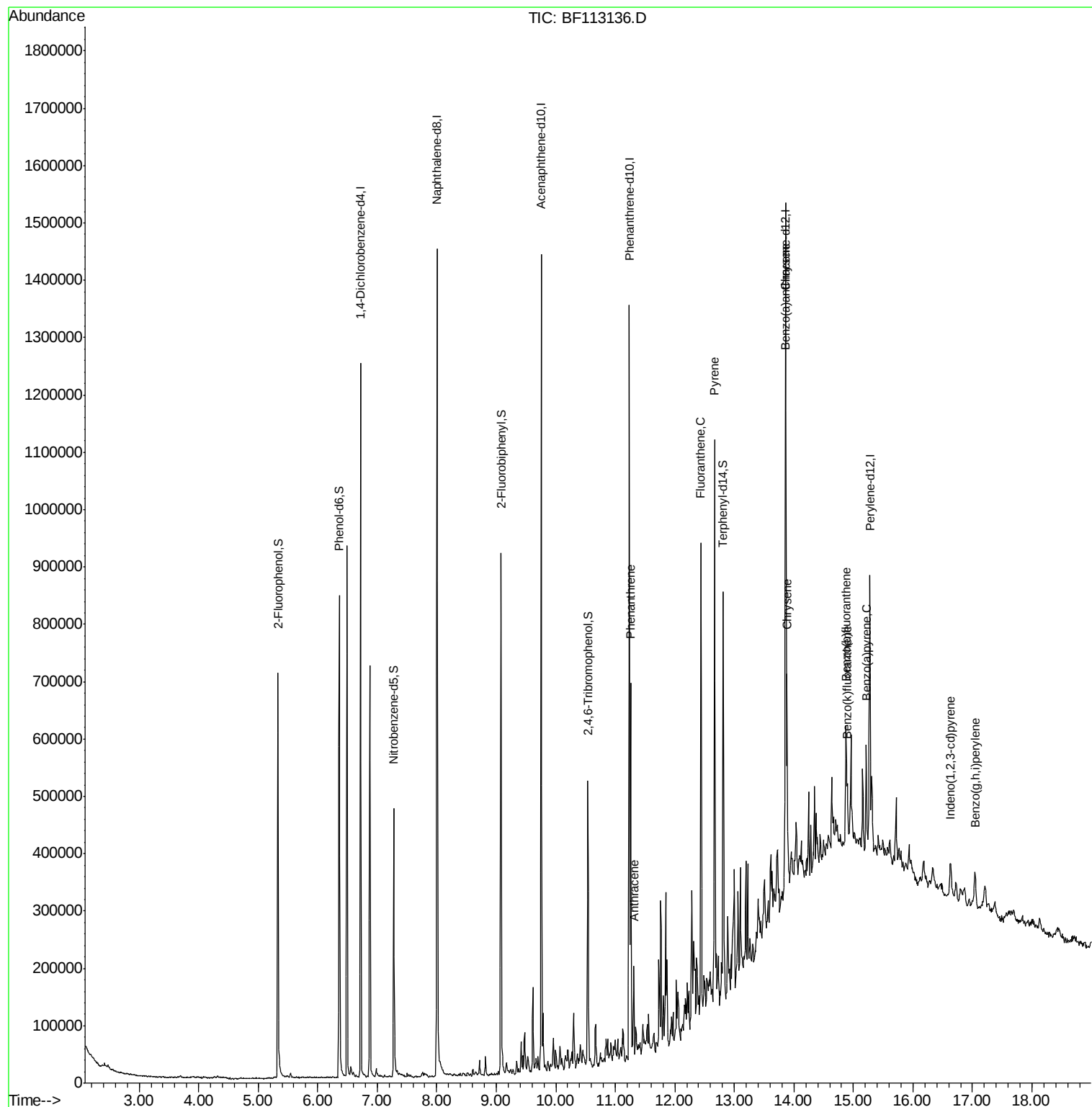
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
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Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

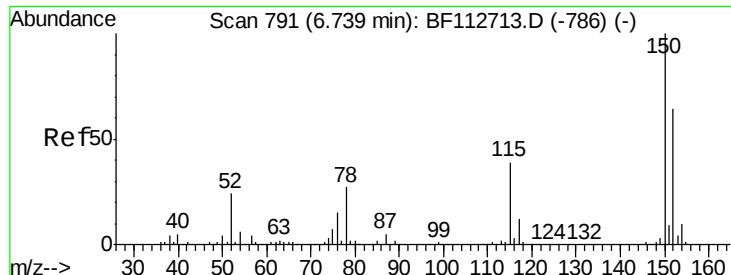
Instrument :
BNA_F
ClientSampleId :
OK-02-031819

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Quant Time: Mar 20 02:36:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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#1

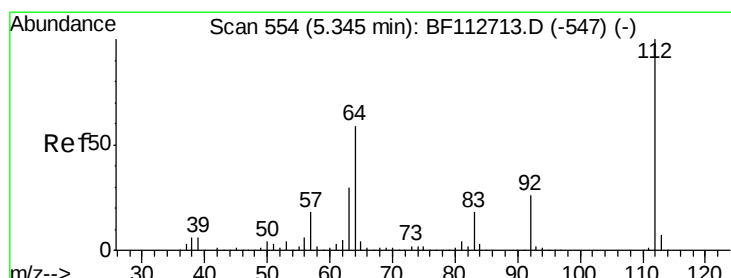
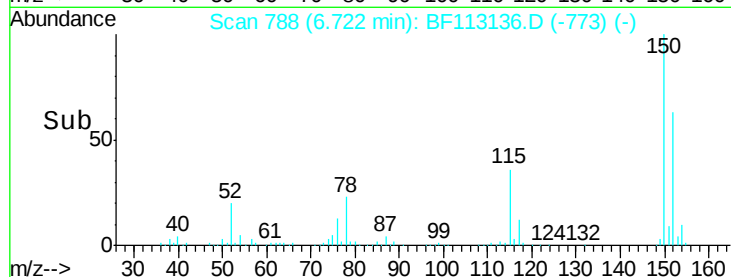
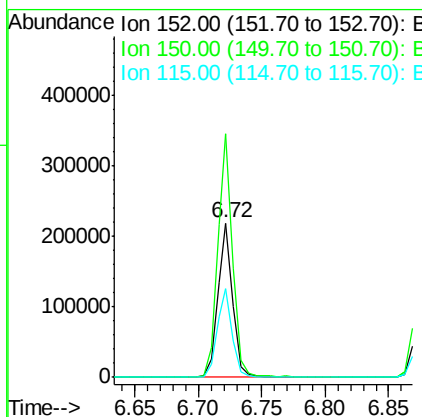
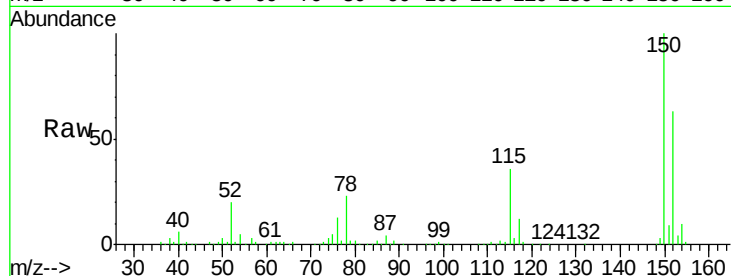
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.2	186.2
115	57.3	48.2	72.4

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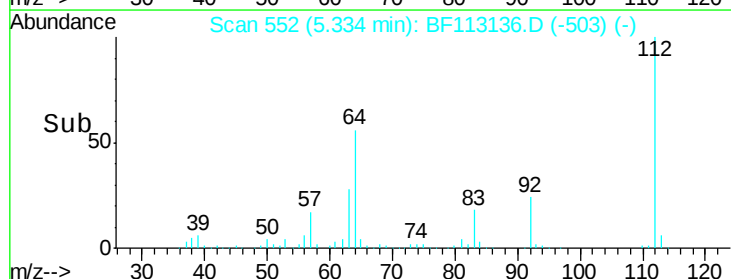
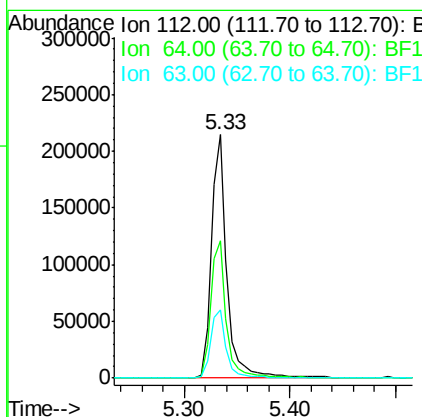
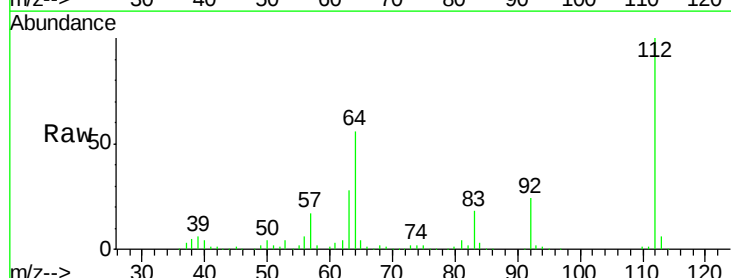
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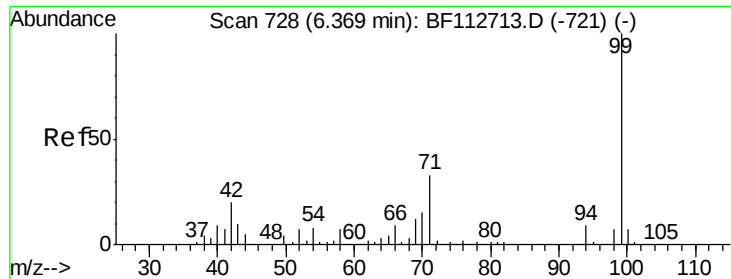


#5

2-Fluorophenol
 Concen: 19.152 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.6	71.4
63	28.1	24.4	36.6





#7

Phenol-d6

Concen: 20.089 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

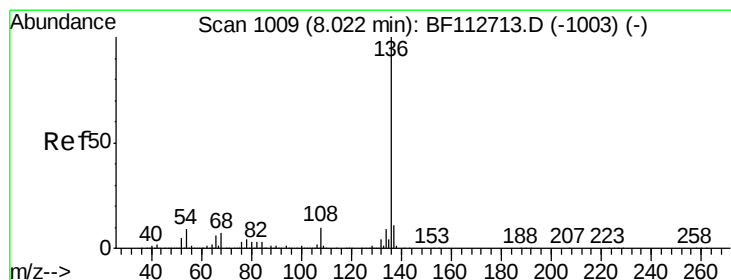
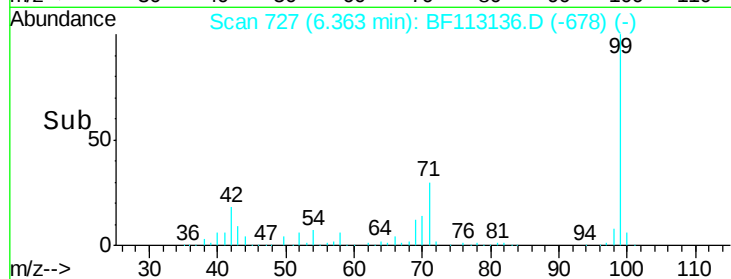
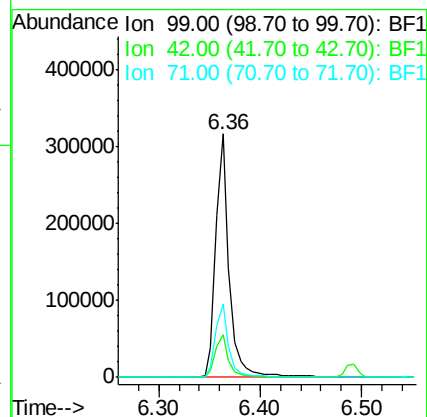
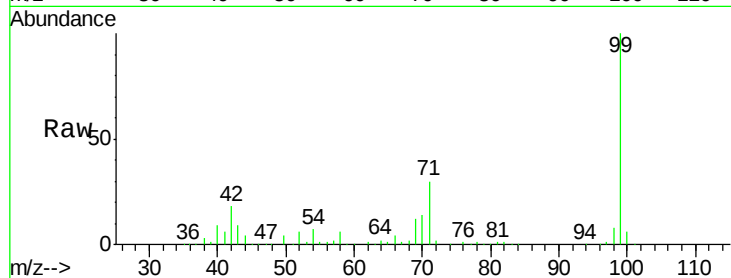
ClientSampleId :

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Tgt Ion:	99	Resp:	292669
Ion Ratio	Lower	Upper	
99	100		
42	17.5	16.3	24.5
71	30.1	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

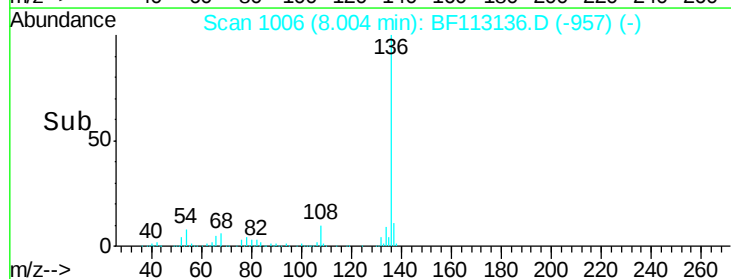
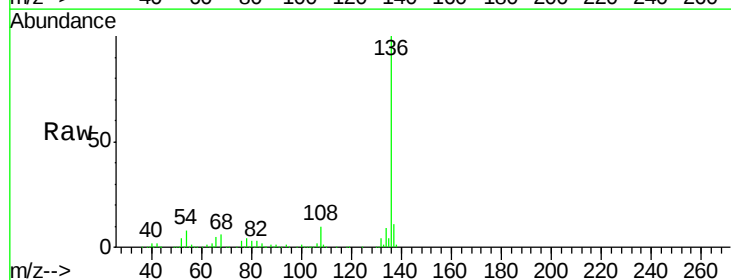
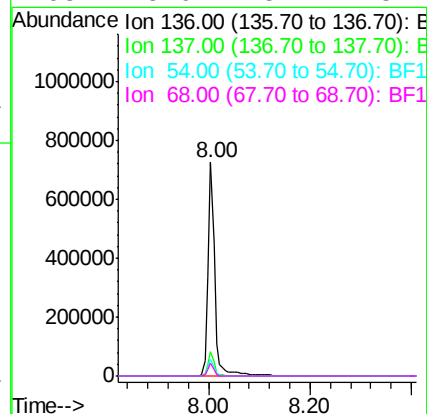
RT: 8.00 min Scan# 1006

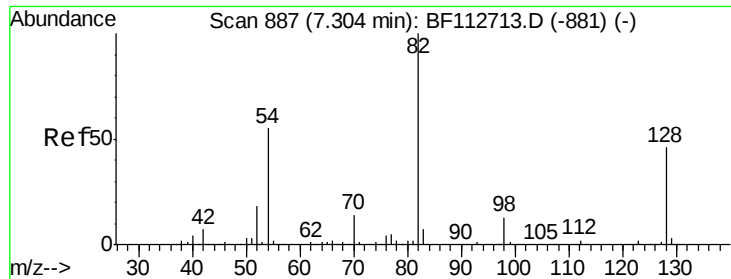
Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Tgt Ion:	136	Resp:	668207
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.9	7.3	10.9
68	5.9	5.4	8.2





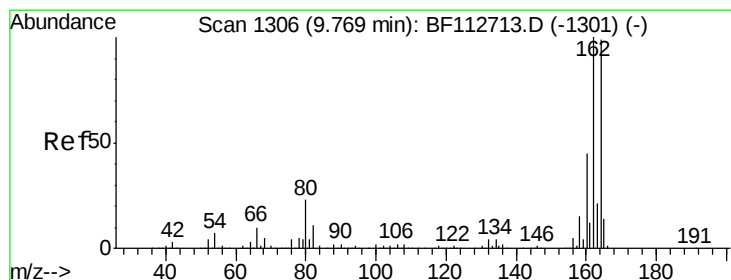
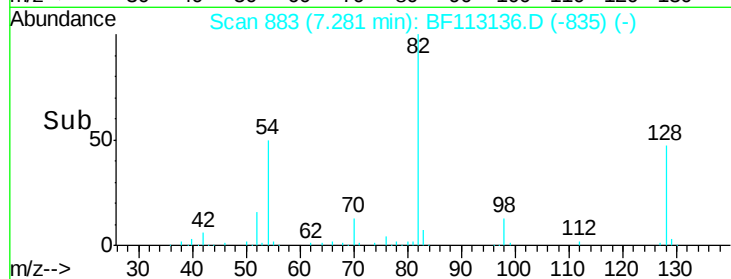
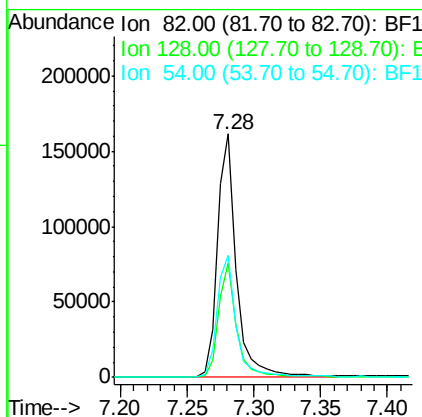
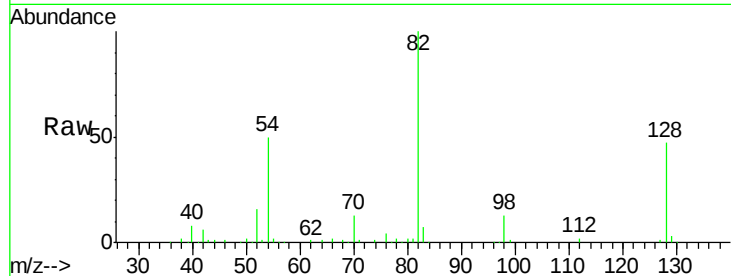
#23
Nitrobenzene-d5
Concen: 14.580 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.3	54.5
54	50.0	43.7	65.5

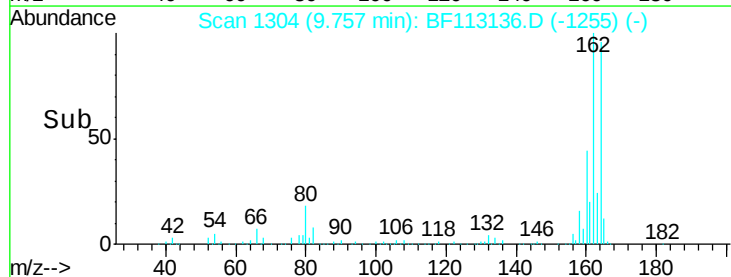
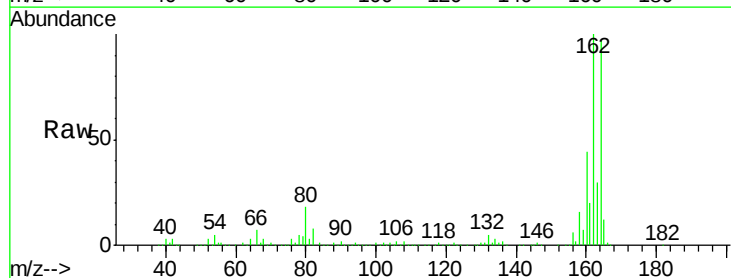
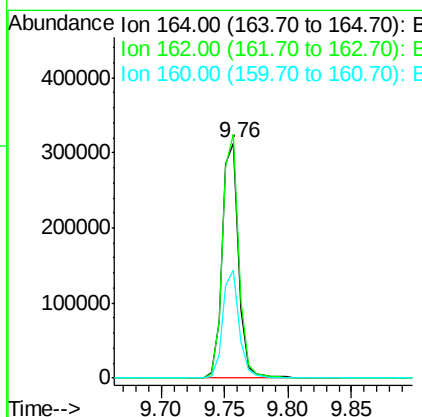
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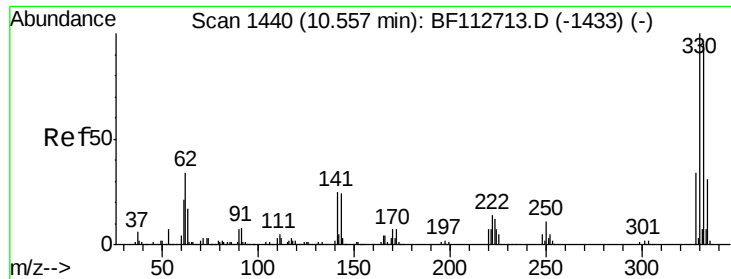
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.6	120.8
160	45.8	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 20.402 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

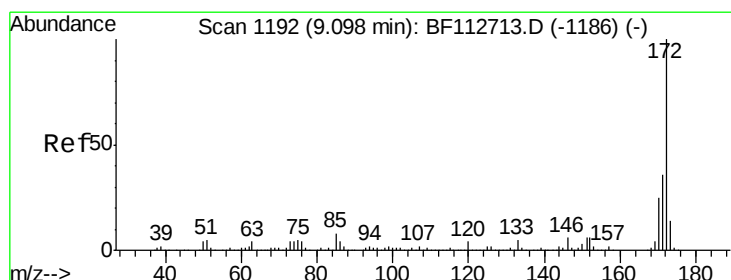
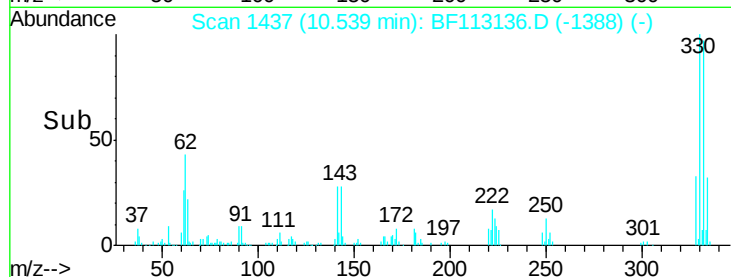
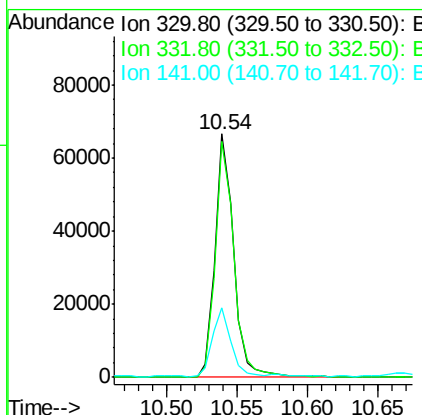
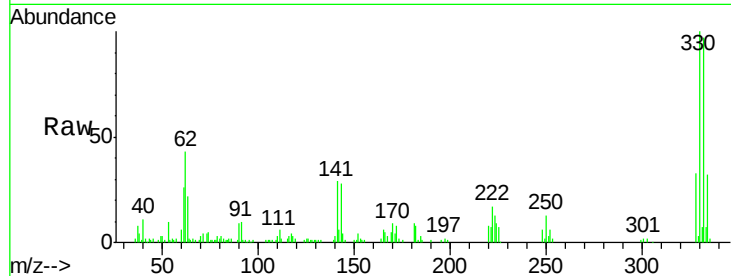
ClientSampleId :

OK-02-031819

Tgt Ion:	330	Resp:	61730
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.2	114.4
141	31.2	27.0	40.6

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#45

2-Fluorobiphenyl

Concen: 14.171 ng

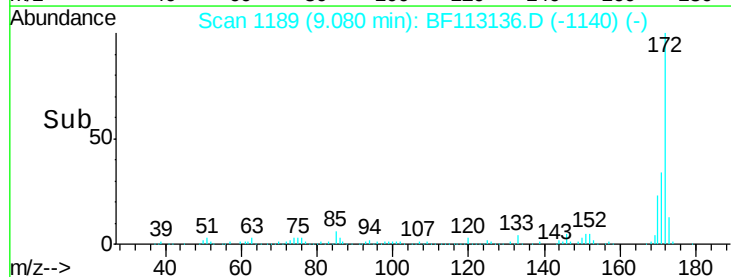
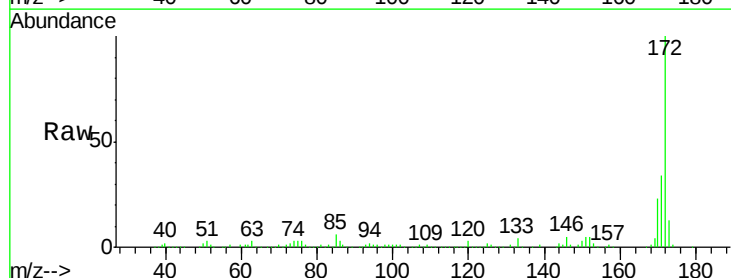
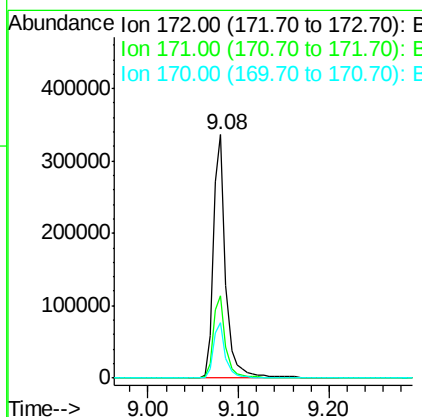
RT: 9.08 min Scan# 1189

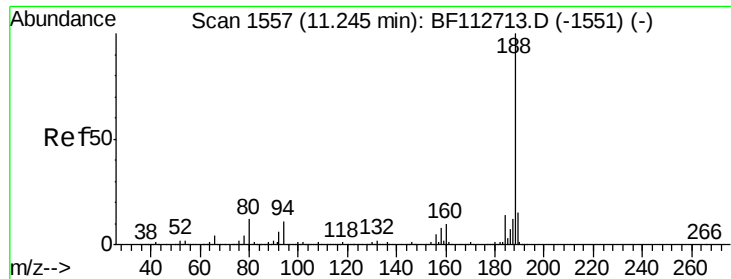
Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Tgt Ion:	172	Resp:	319989
Ion Ratio	Lower	Upper	
172	100		
171	33.8	29.0	43.4
170	22.9	20.0	30.0





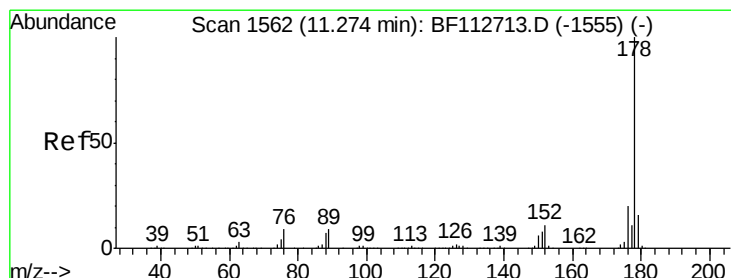
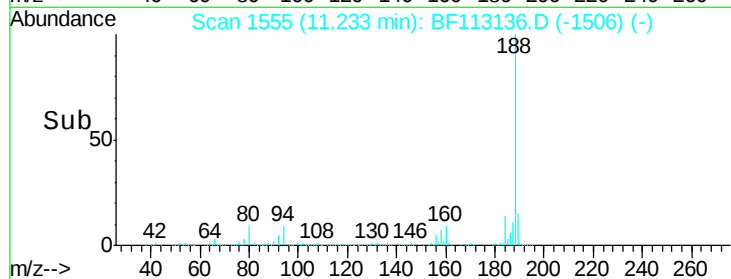
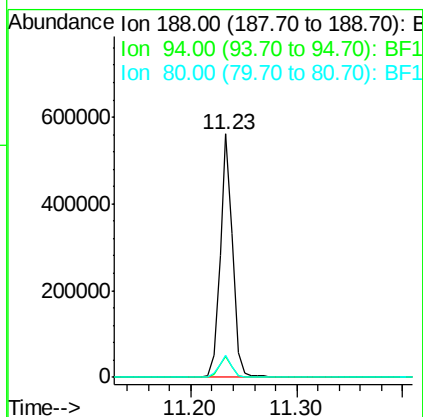
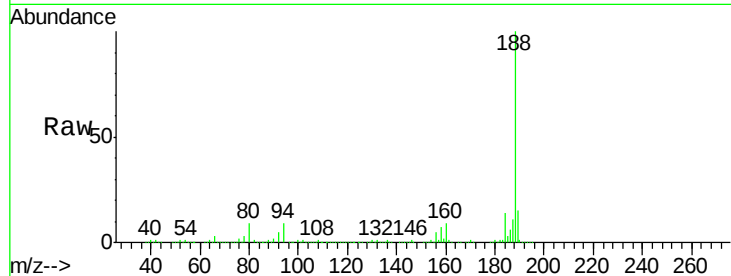
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	9.0	13.4#
80	9.2	9.2	13.8#

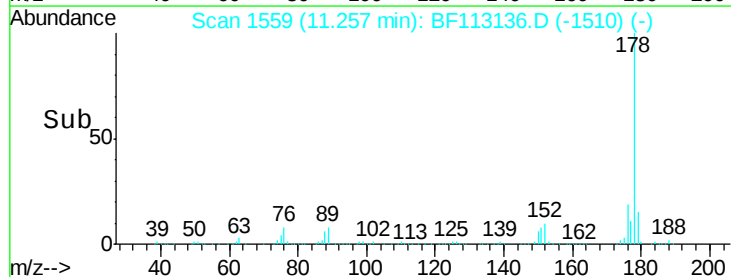
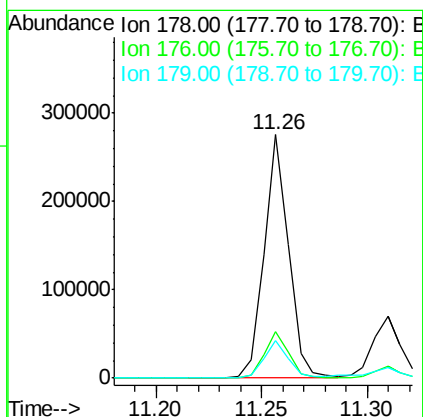
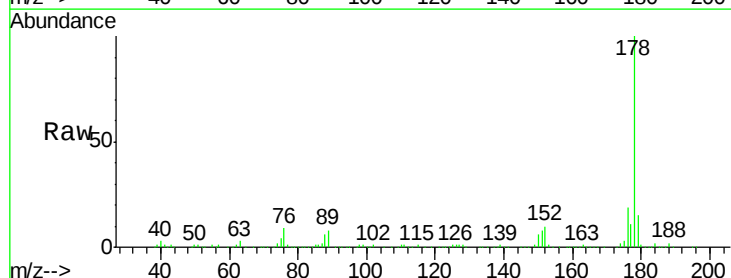
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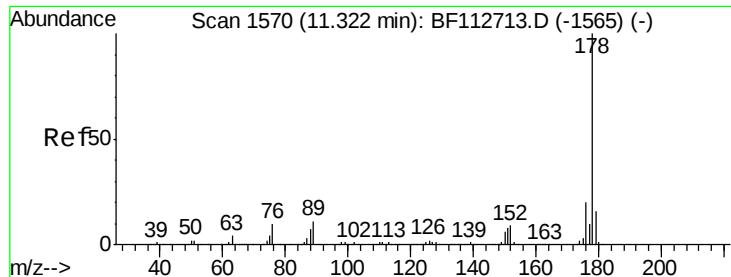
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#71
Phenanthrene
Concen: 9.568 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	16.3	24.5
179	15.4	12.7	19.1





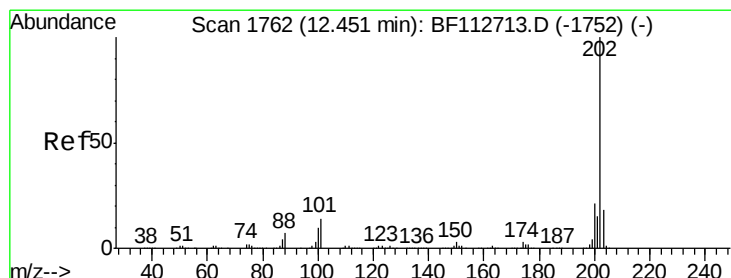
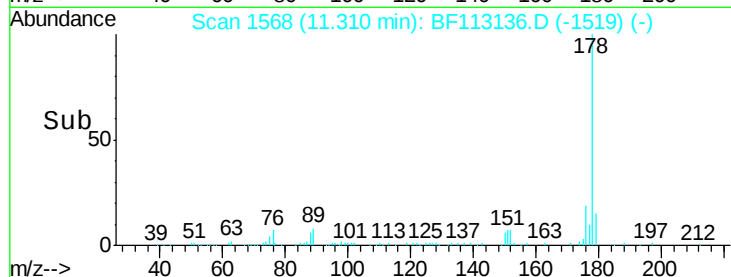
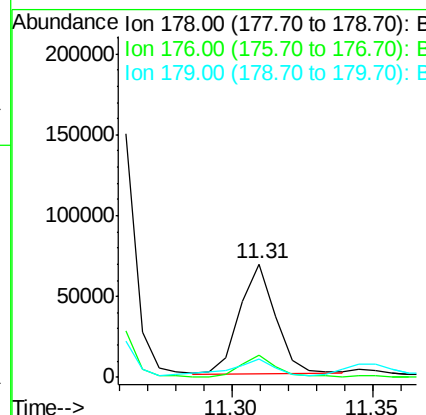
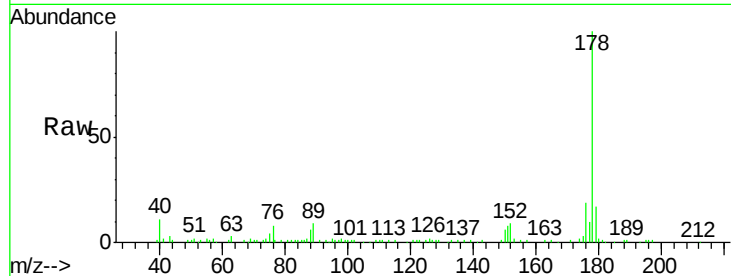
#72
 Anthracene
 Concen: 2.482 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	16.5	13.0	19.6

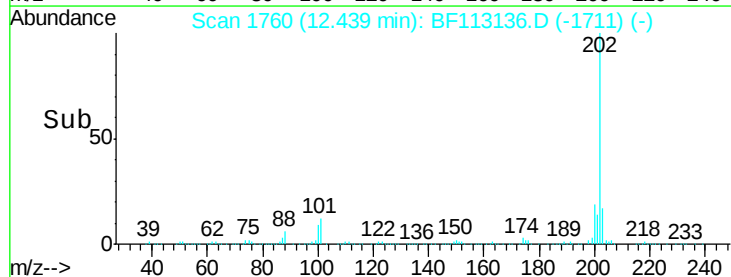
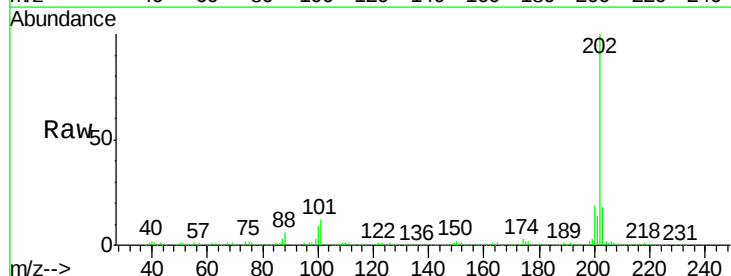
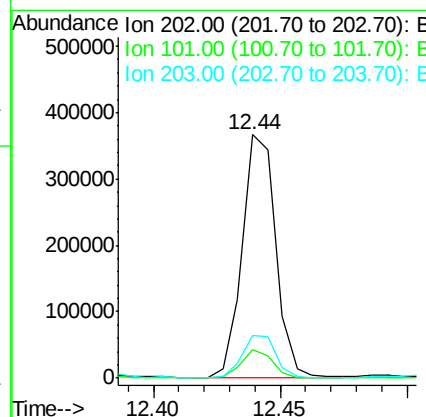
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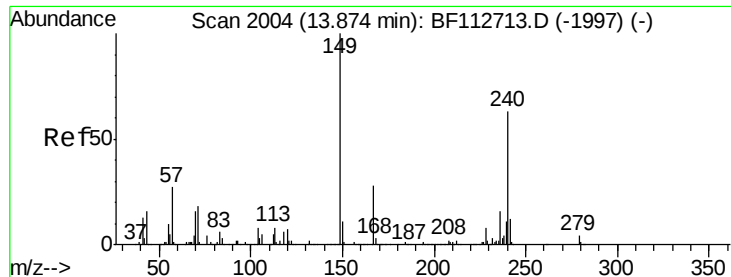
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#75
 Fluoranthene
 Concen: 13.545 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.8
203	17.5	0.0	38.4





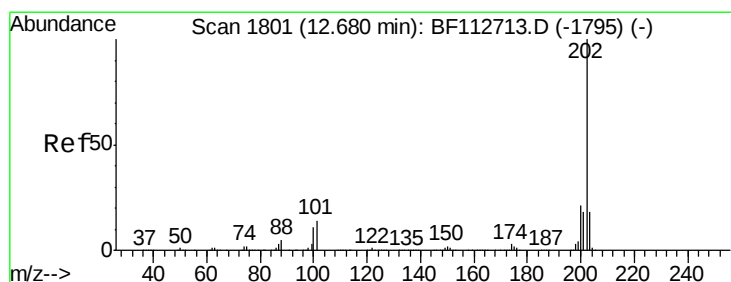
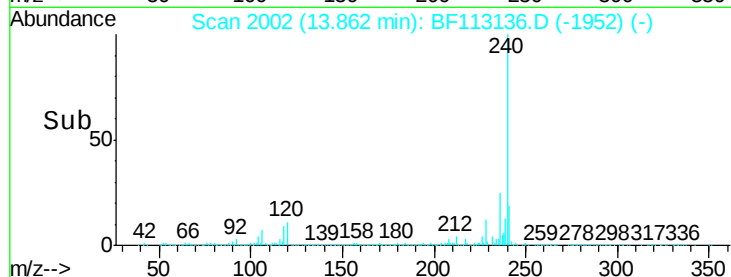
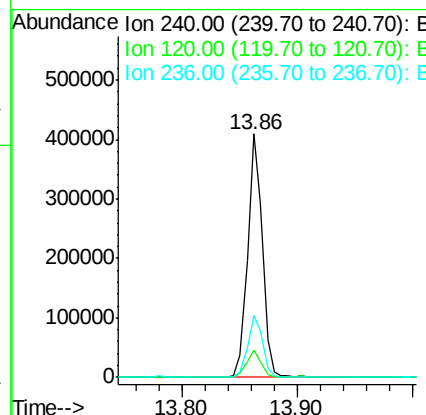
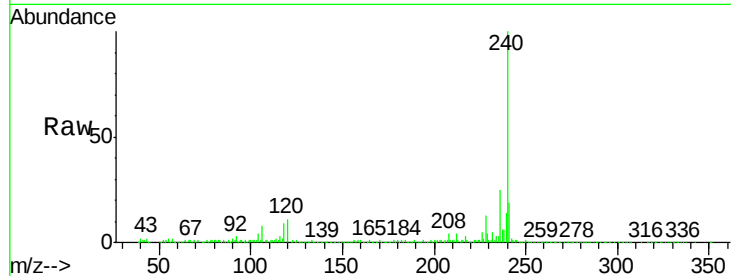
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	359600		
120	11.4	8.9	13.3	
236	25.3	20.7	31.1	

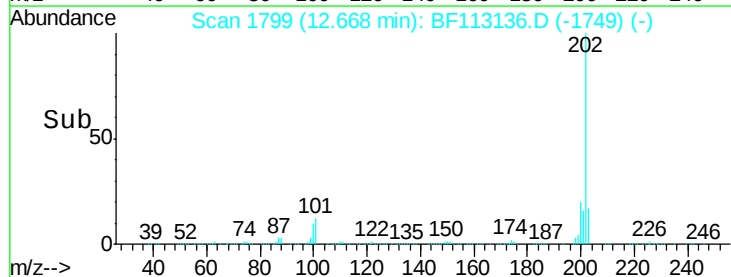
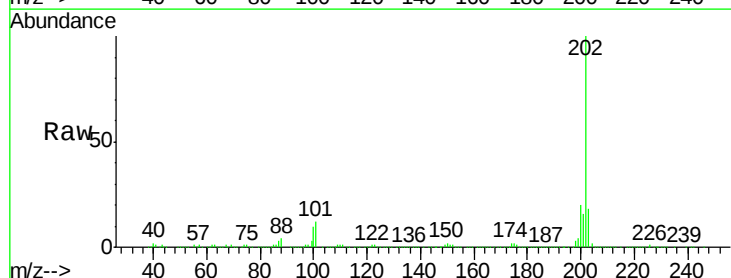
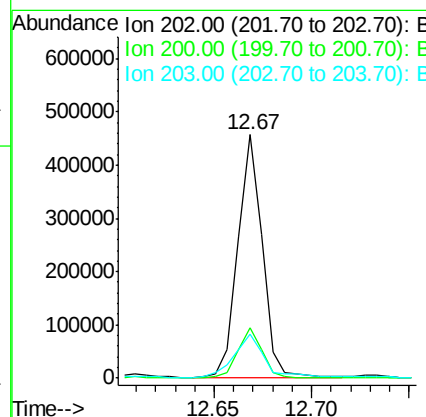
Manual Integrations
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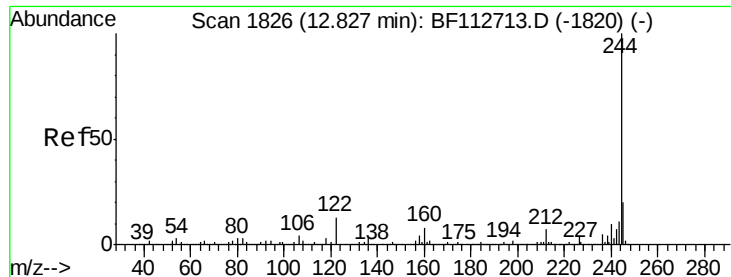
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#78
Pyrene
Concen: 13.055 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	395769		
200	20.4	17.0	25.4	
203	18.1	14.4	21.6	





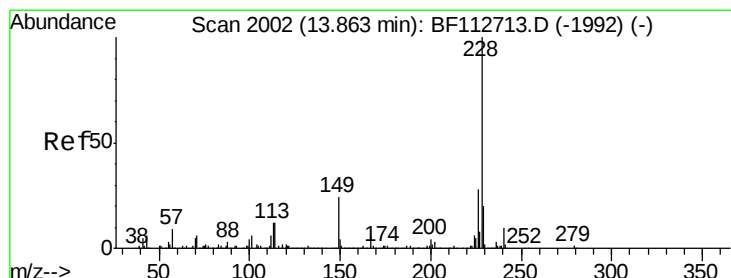
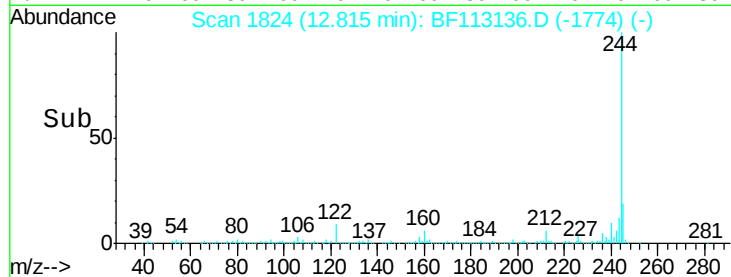
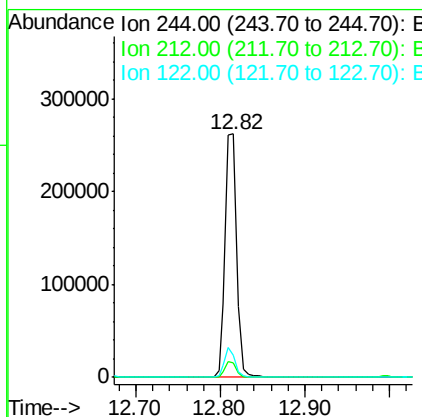
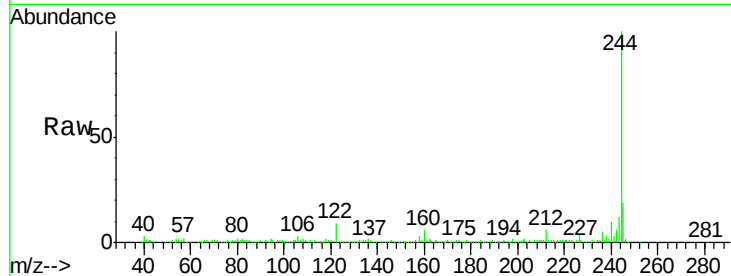
#79
 Terphenyl-d14
 Concen: 13.481 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.6	8.4
122	8.9	10.5	15.7

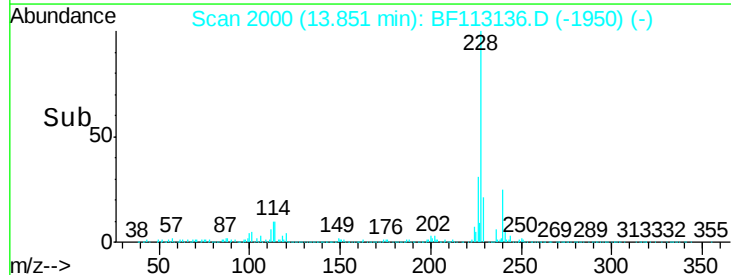
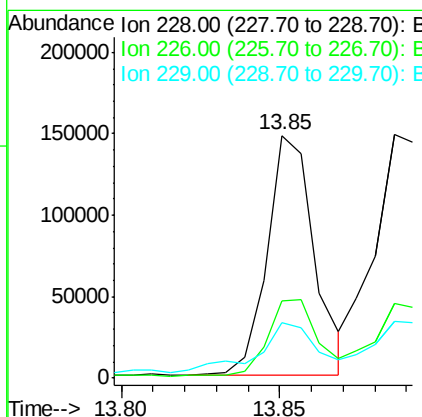
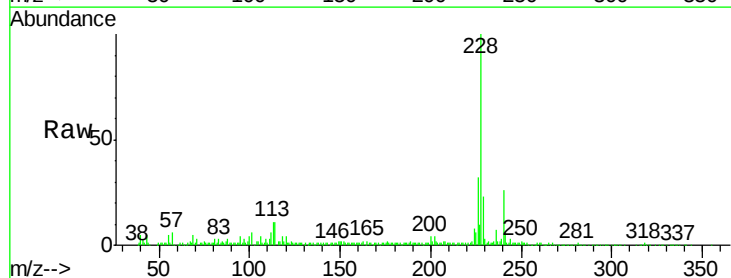
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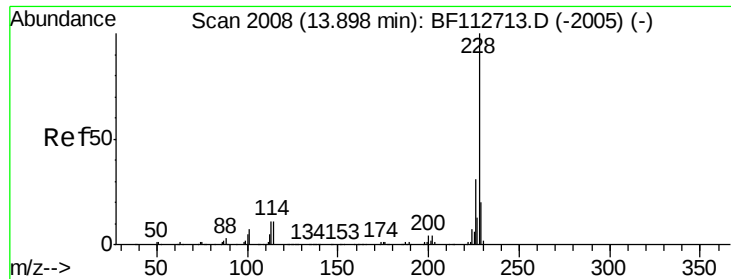
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#81
 Benzo(a)anthracene
 Concen: 6.151 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.2	33.4
229	23.0	16.0	24.0





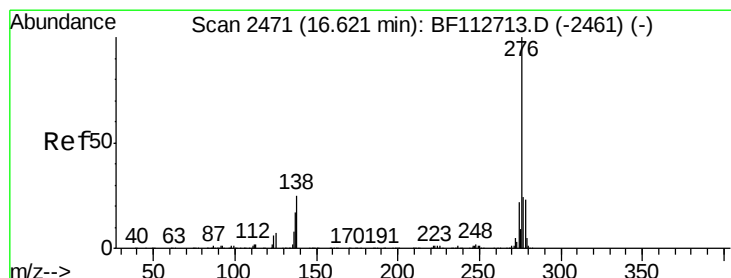
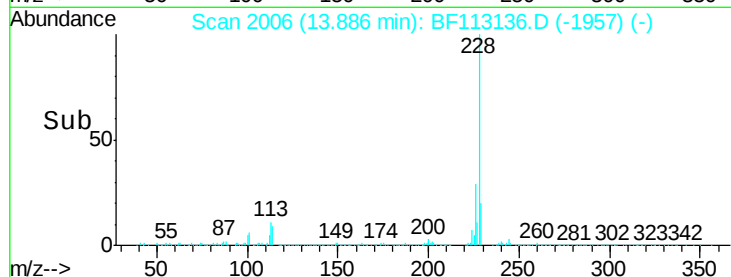
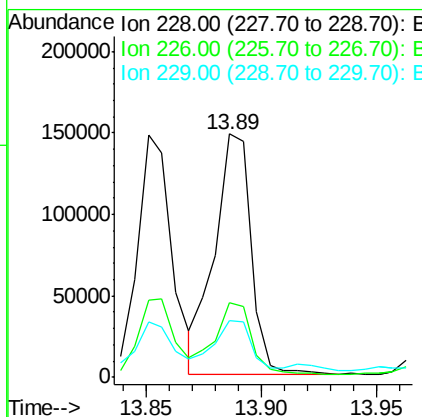
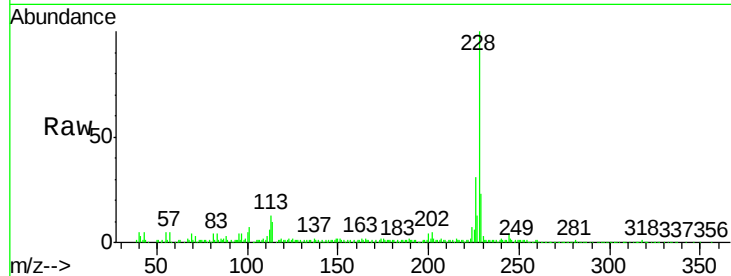
#83
Chrysene
Concen: 6.691 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.5	24.9	37.3
229	23.5	16.3	24.5

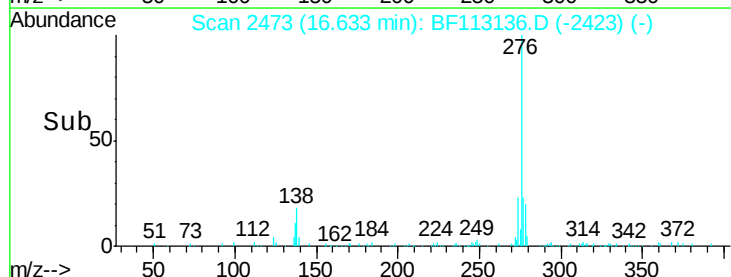
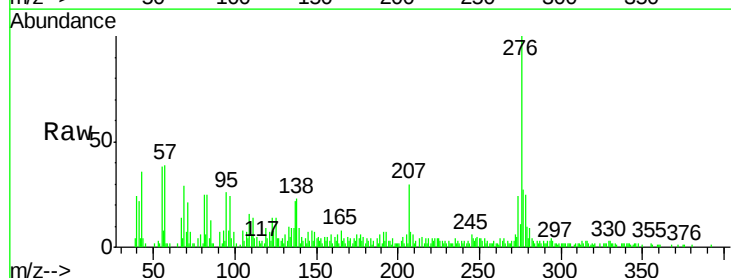
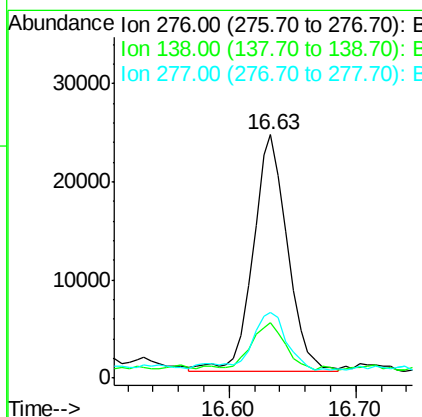
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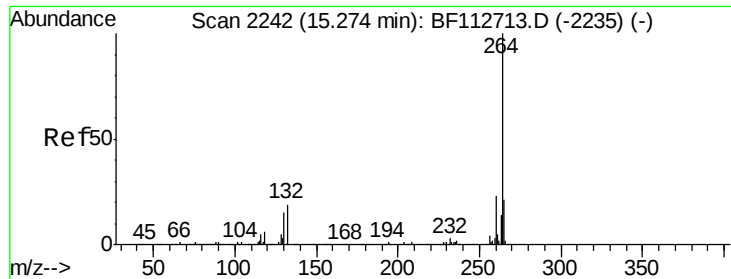
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.168 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.2	23.2	34.8#
277	23.5	19.9	29.9





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

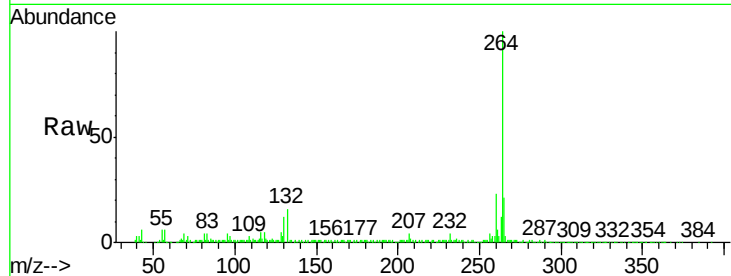
ClientSampled :

OK-02-031819

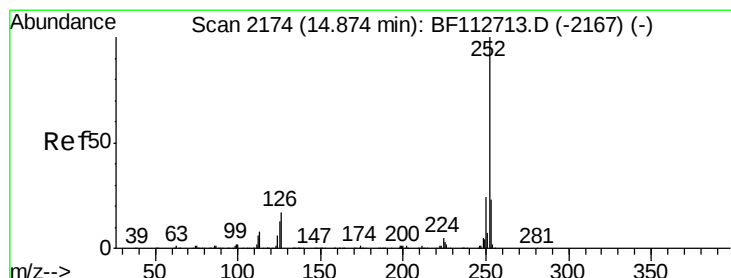
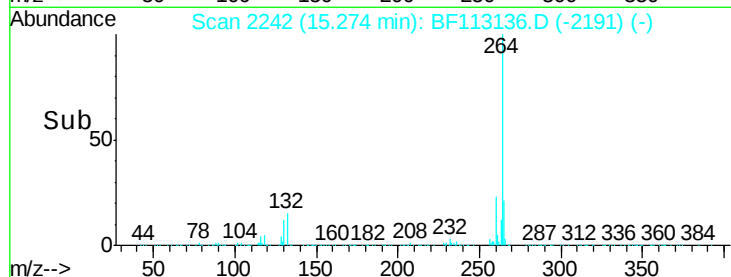
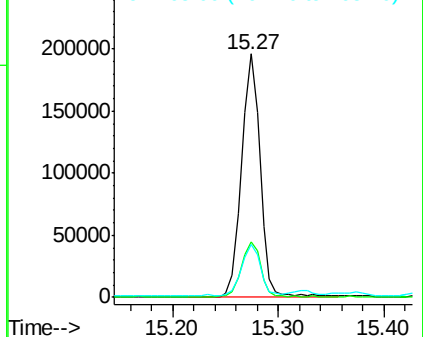
Tgt Ion:	264	Resp:	234749
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.7	28.1
265	21.5	17.2	25.8

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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: 7.710 ng m

RT: 14.87 min Scan# 2174

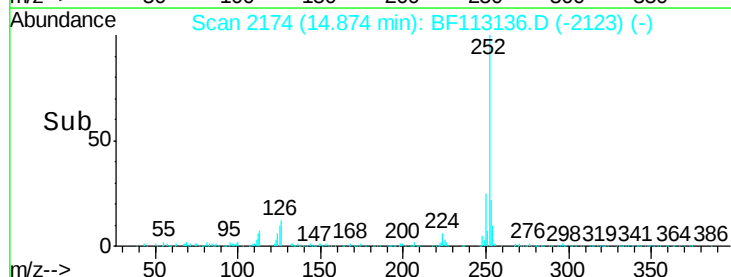
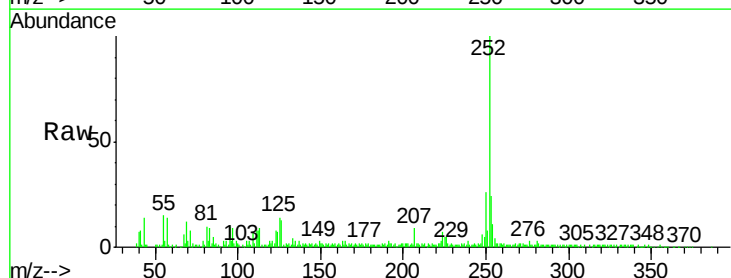
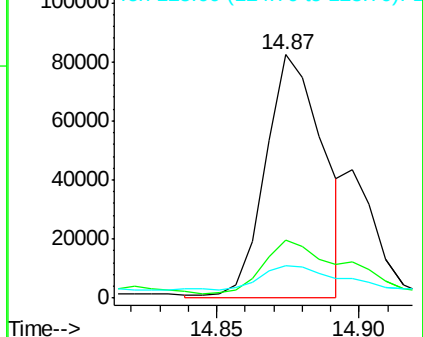
Delta R.T. -0.00 min

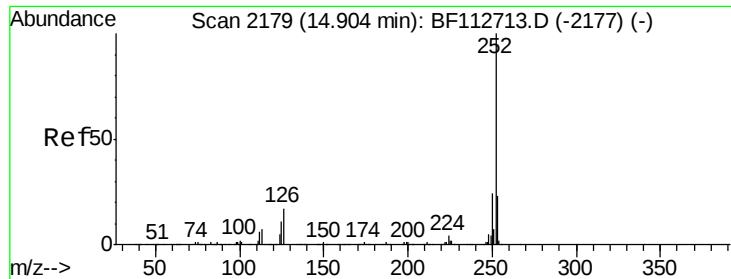
Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Tgt Ion:	252	Resp:	117063
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	13.6	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.528 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

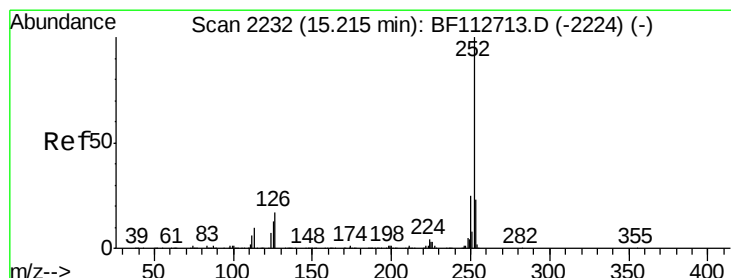
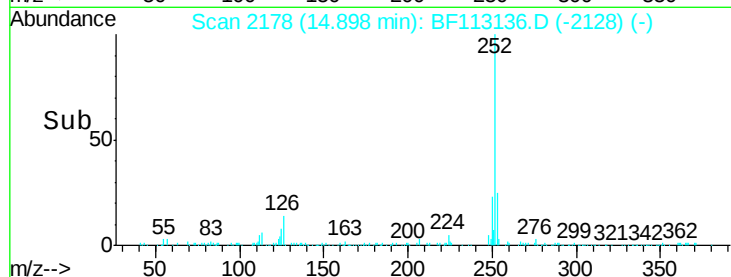
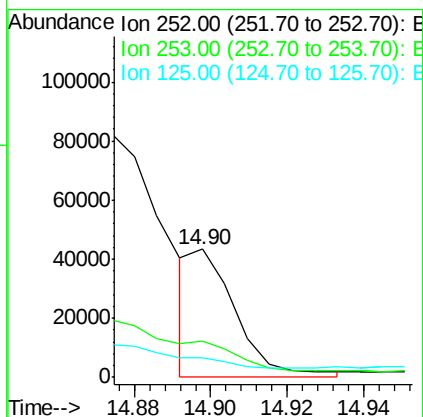
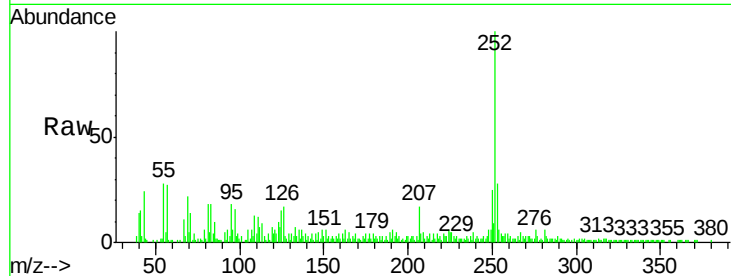
ClientSampled :

OK-02-031819

Tgt Ion:	252	Resp:	34771
Ion Ratio	Lower	Upper	
252	100		
253	28.5	18.2	27.2#
125	15.2	9.8	14.6#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 6.581 ng

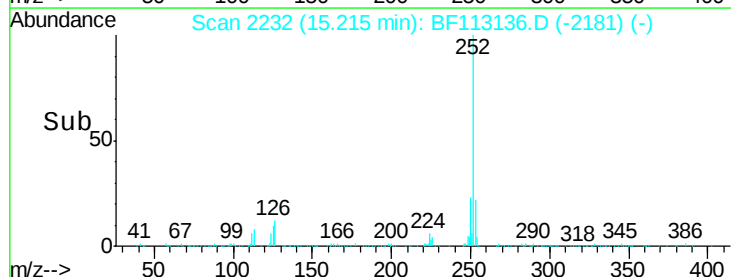
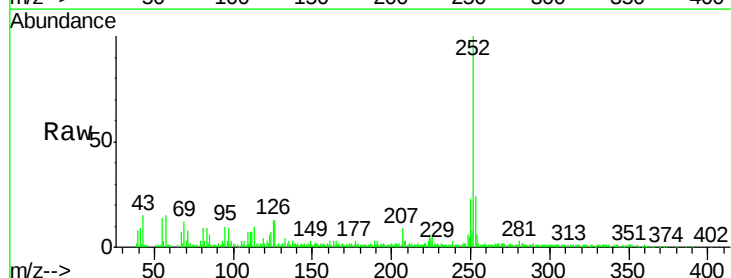
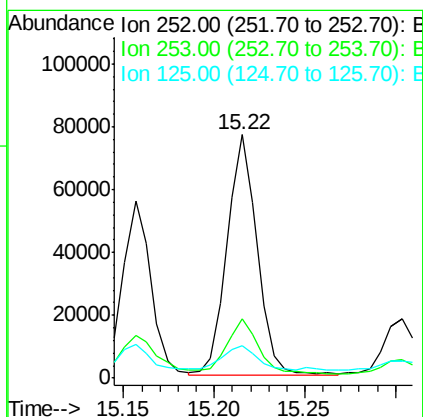
RT: 15.22 min Scan# 2232

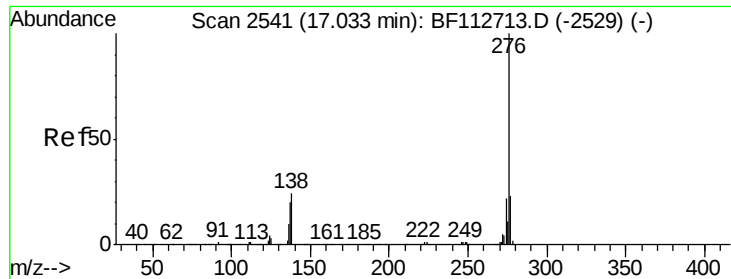
Delta R.T. -0.00 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Tgt Ion:	252	Resp:	88392
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	13.4	10.7	16.1





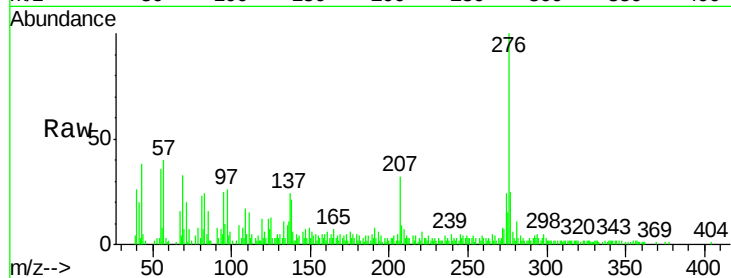
#92
Benzo(g,h,i)perylene
Concen: 4.044 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	46537		
277	25.1	18.6	27.8	
138	20.9	19.4	29.0	

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

