

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113231.D
 Acq On : 22 Mar 2019 13:35
 Operator : JU/SJ
 Sample : K1989-05DL 50X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL

Manual Integrations
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Quant Time: Mar 22 16:46:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 22 16:06:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	163873	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	660959	20.00	ng	0.00
39) Acenaphthene-d10	9.75	164	324585	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	693519	20.00	ng	0.00
76) Chrysene-d12	13.86	240	523209	20.00	ng	0.00
87) Perylene-d12	15.27	264	442896	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	16820	1.60	ng	0.00
7) Phenol-d6	6.36	99	23186	1.75	ng	0.00
23) Nitrobenzene-d5	7.27	82	13611	1.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	7508	2.18	ng	0.00
45) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
79) Terphenyl-d14	12.81	244	45282	1.68	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.78	154	68285	3.327	ng	97
55) Dibenzofuran	9.95	168	197439	6.619	ng	99
58) Fluorene	10.29	166	60859	2.875	ng	# 98
71) Phenanthrene	11.27	178	3090974	89.580	ng	98
72) Anthracene	11.30	178	168841	4.674	ng	98
73) Carbazole	11.46	167	280150	7.951	ng	97
75) Fluoranthene	12.46	202	3635636	98.344	ng	98
78) Pyrene	12.68	202	2902004	65.793	ng	98
81) Benzo(a)anthracene	13.86	228	682299	18.816	ng	99
83) Chrysene	13.89	228	1096052	30.858	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	125436	4.142	ng	95
88) Benzo(b)fluoranthene	14.87	252	575331m	20.083	ng	
89) Benzo(k)fluoranthene	14.90	252	146511m	5.646	ng	
90) Benzo(a)pyrene	15.21	252	150465	5.938	ng	98
92) Benzo(g,h,i)perylene	17.04	276	100376	4.623	ng	98

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

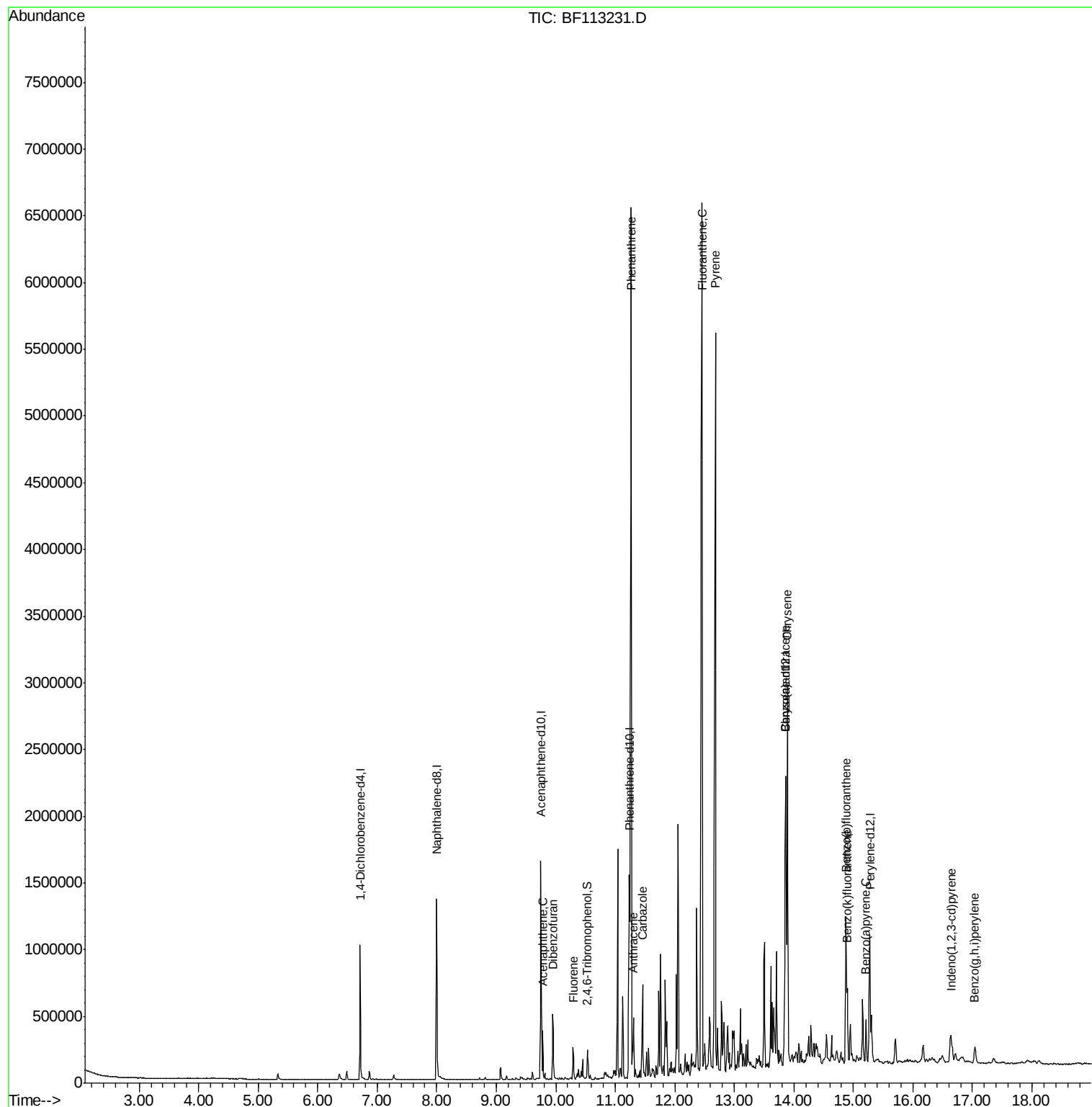
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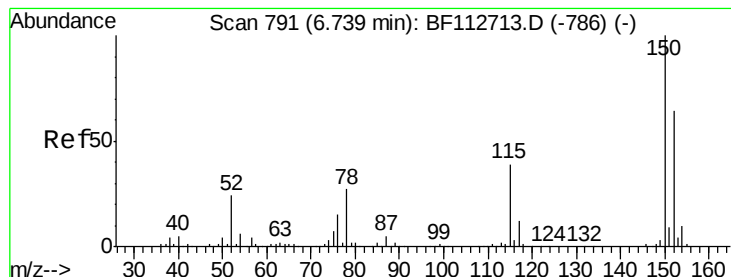
Instrument :
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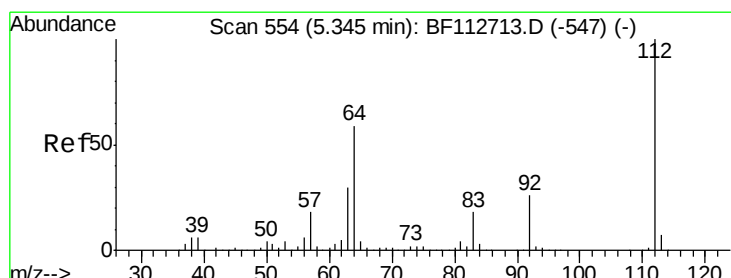
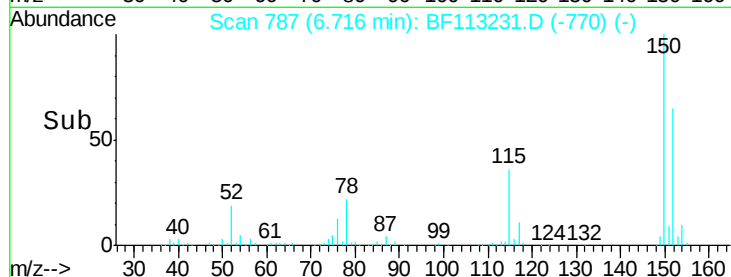
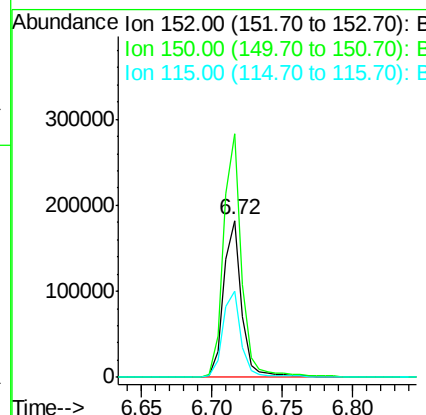
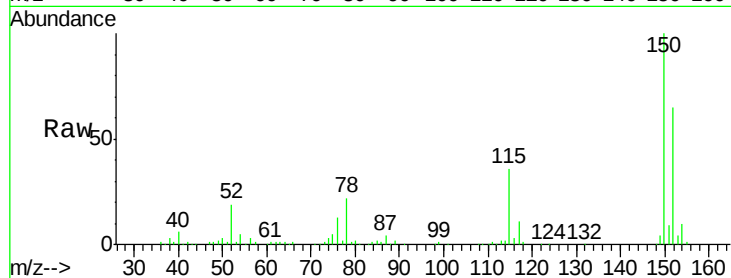
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.2	186.2
115	55.1	47.4	71.0

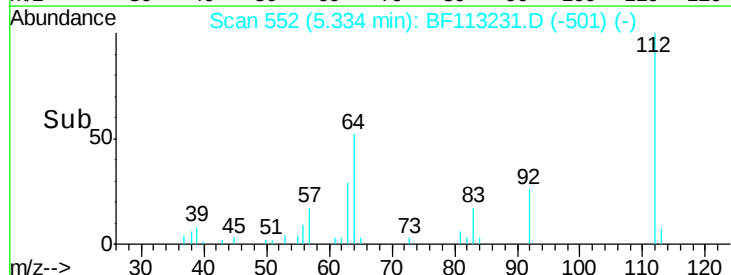
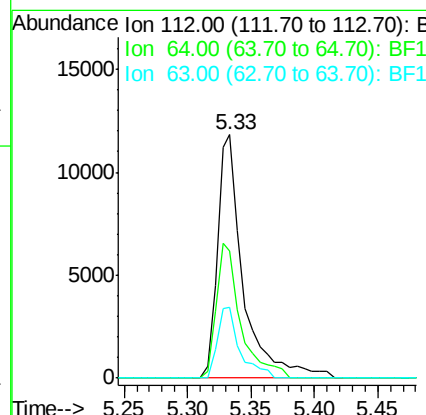
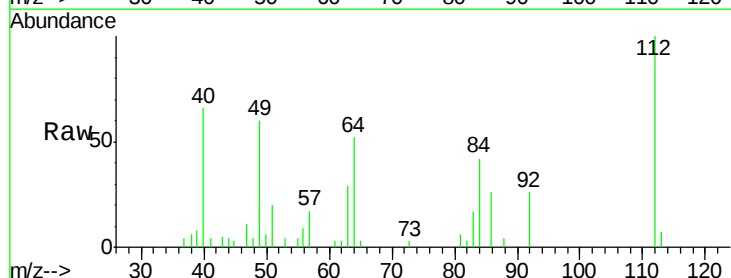
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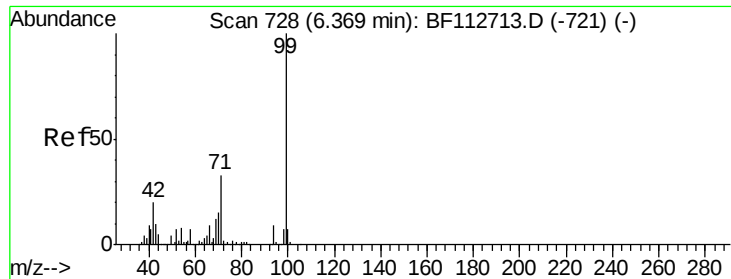
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#5
 2-Fluorophenol
 Concen: 1.597 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	48.7	73.1
63	28.9	24.9	37.3





#7

Phenol-d6

Concen: 1.752 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113231.D

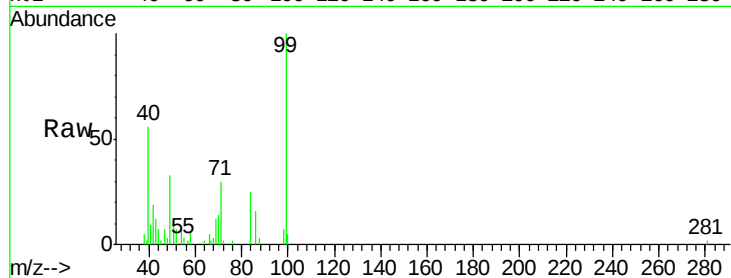
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Instrument :

BNA_F

ClientSampleId :

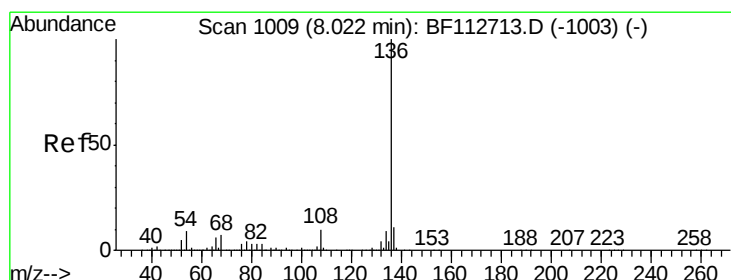
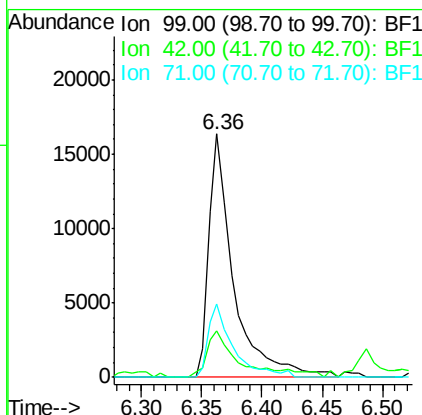
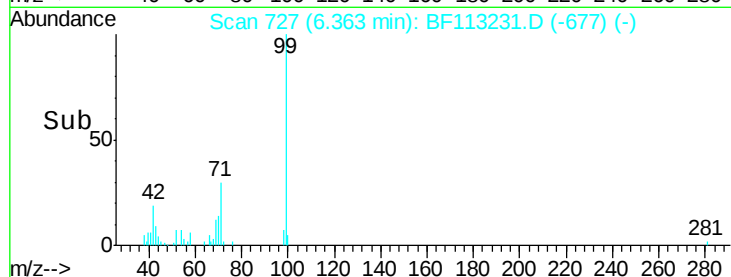
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.0	22.6
71	29.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

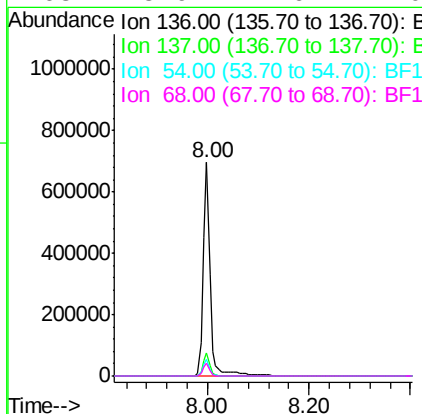
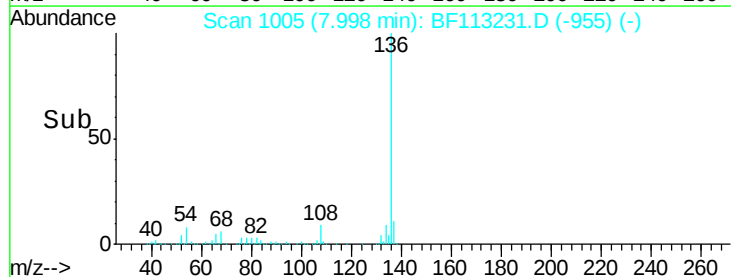
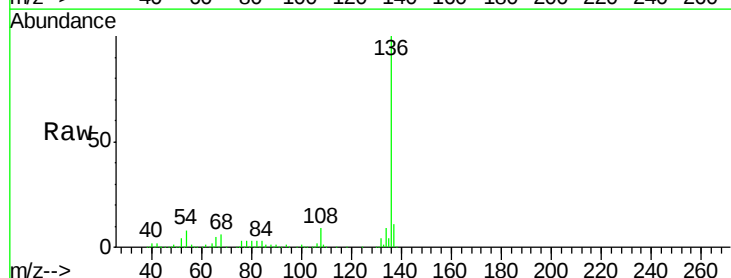
RT: 8.00 min Scan# 1005

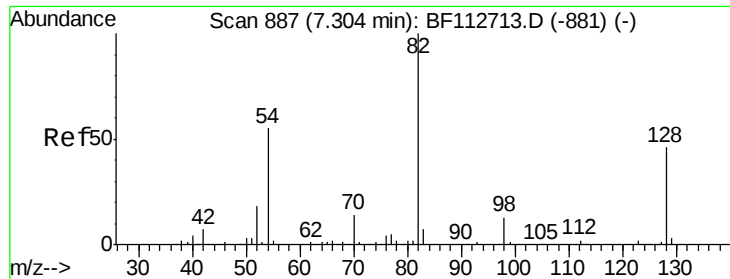
Delta R.T. -0.01 min

Lab File: BF113231.D

Acq: 22 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	8.0	6.2	9.2
68	5.9	4.6	7.0





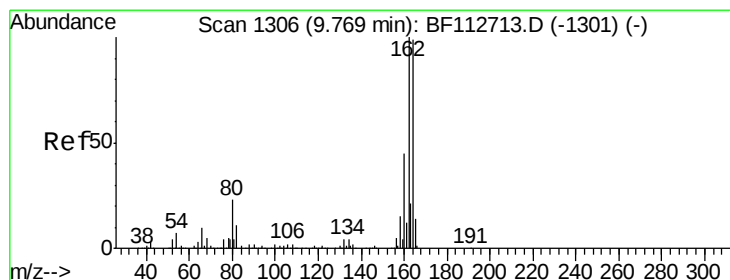
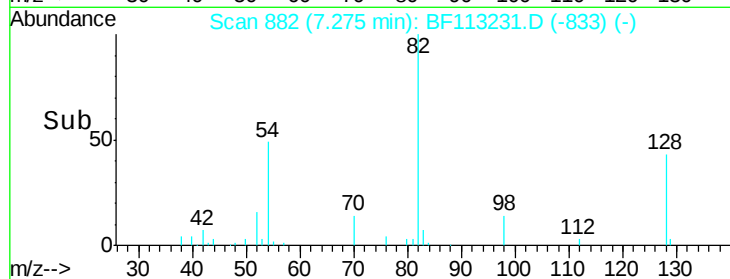
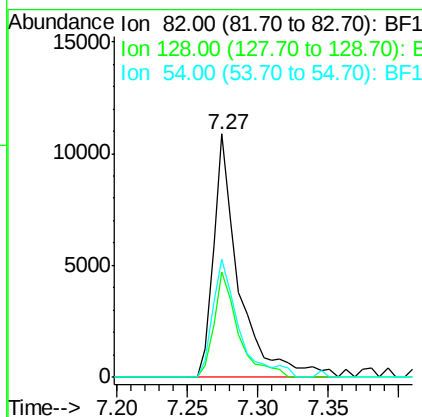
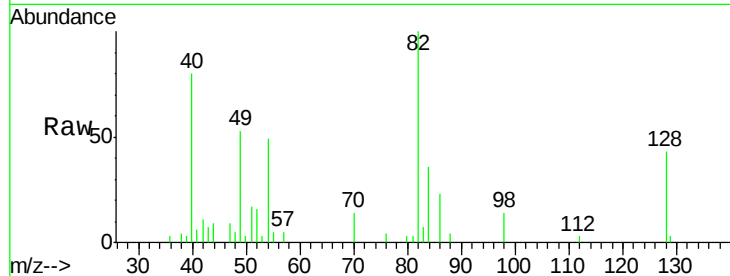
#23
 Nitrobenzene-d5
 Concen: 1.232 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL

Tgt Ion:	82	Resp:	13611
Ion Ratio	Lower	Upper	
82	100		
128	43.2	37.5	56.3
54	48.8	41.8	62.8

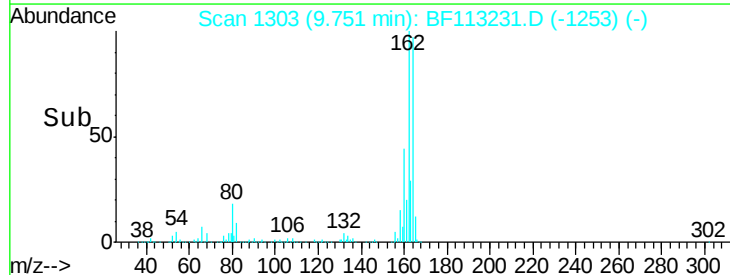
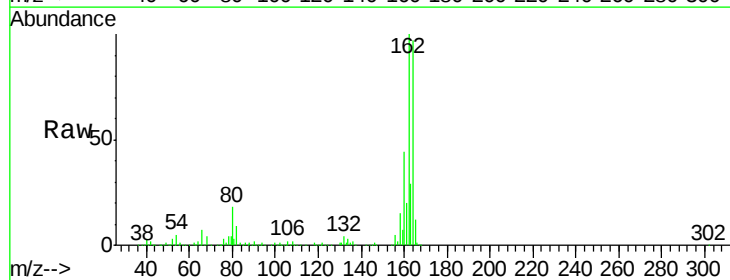
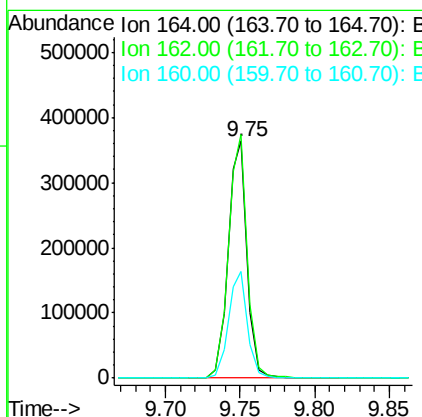
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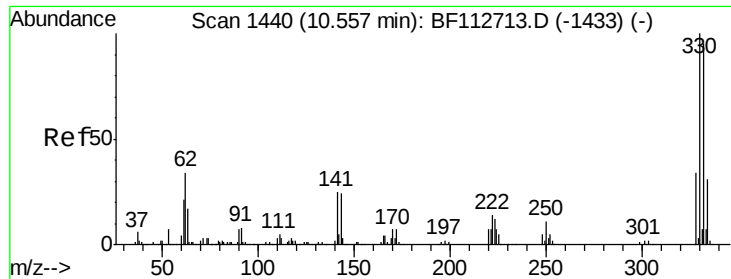
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Tgt Ion:	164	Resp:	324585
Ion Ratio	Lower	Upper	
164	100		
162	102.7	80.7	121.1
160	45.1	36.4	54.6





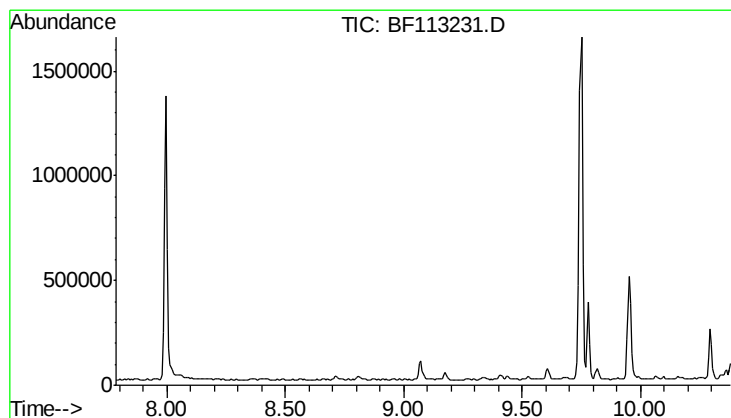
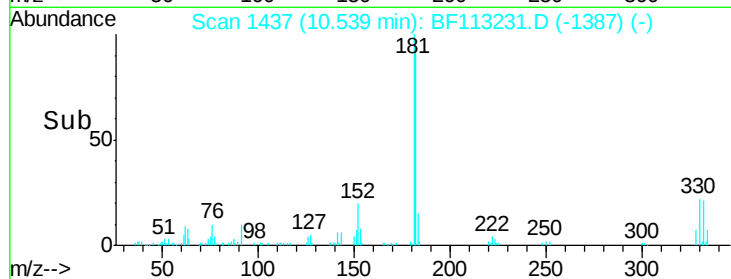
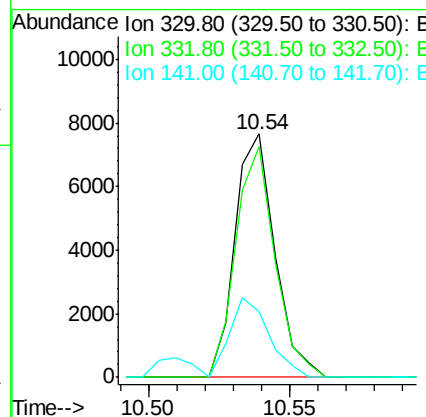
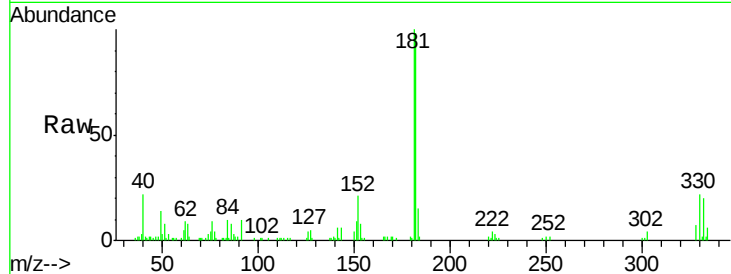
#42
 2,4,6-Tribromophenol
 Concen: 2.179 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL

Tgt Ion:	330	Resp:	7508
Ion Ratio	Lower	Upper	
330	100		
332	93.4	75.8	113.8
141	32.3	21.8	32.8

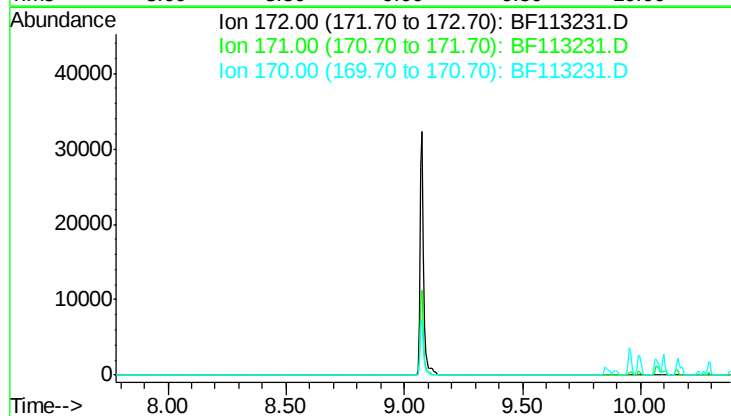
Manual Integrations
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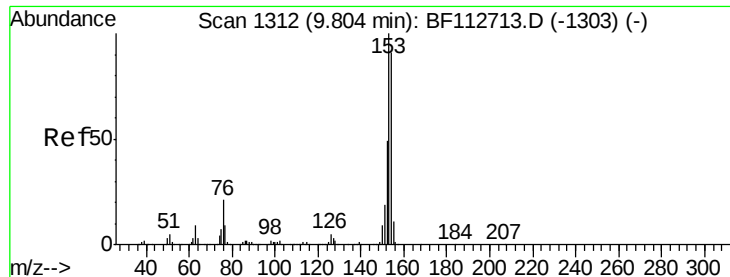
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#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.08 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Tgt Ion:	172
Sig	Exp Ratio
172	100
171	36.5
170	25.1





#52

Acenaphthene

Concen: 3.327 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF113231.D

Acq: 22 Mar 2019 13:35

Instrument :

BNA_F

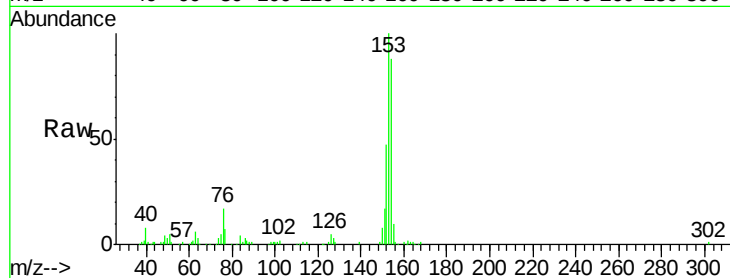
ClientSampleId :

PEDESTALS-1-11DL

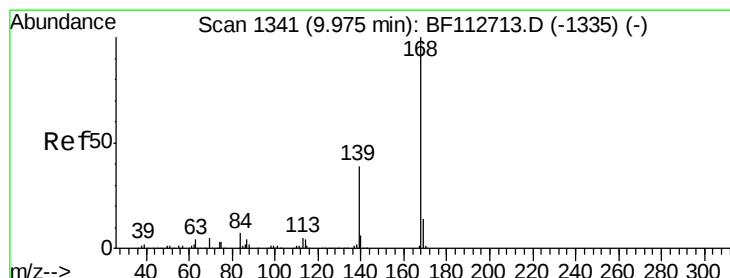
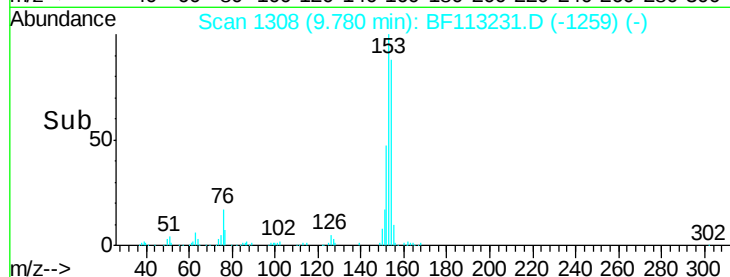
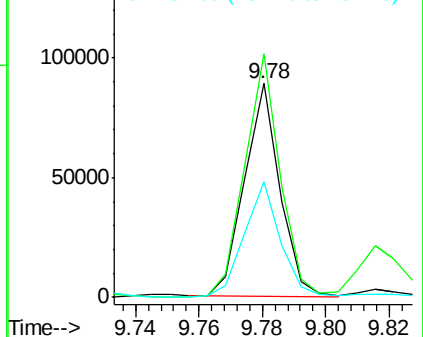
Tgt Ion:	154	Resp:	68285
Ion Ratio	Lower	Upper	
154	100		
153	113.7	88.0	132.0
152	54.0	43.0	64.4

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



#55

Dibenzofuran

Concen: 6.619 ng

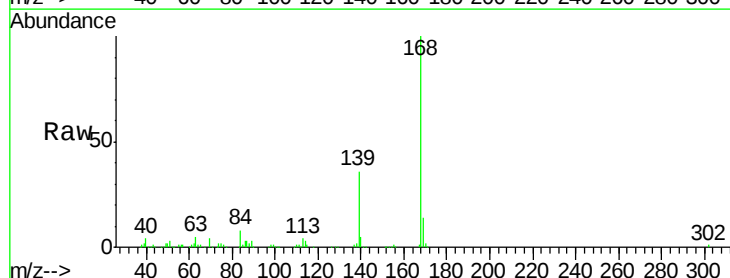
RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

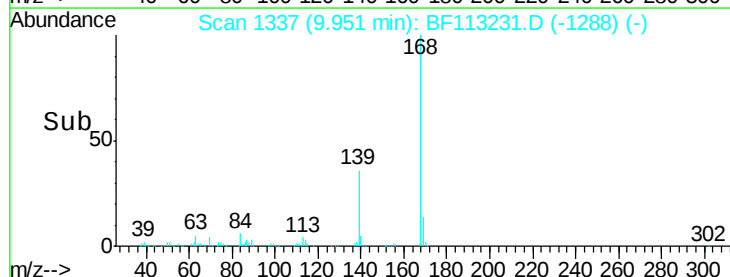
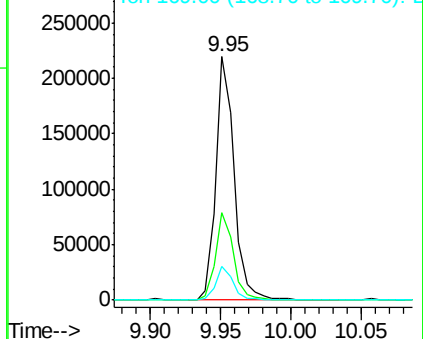
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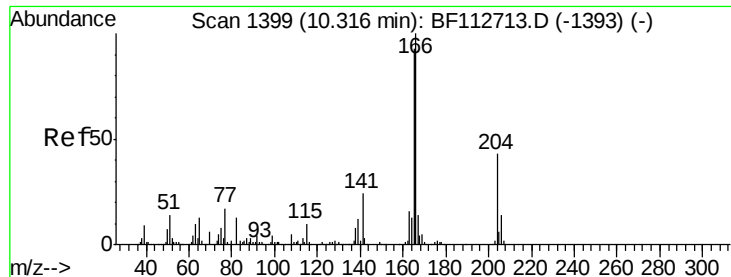
Acq: 22 Mar 2019 13:35

Tgt Ion:	168	Resp:	197439
Ion Ratio	Lower	Upper	
168	100		
139	35.8	29.0	43.4
169	13.8	11.1	16.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





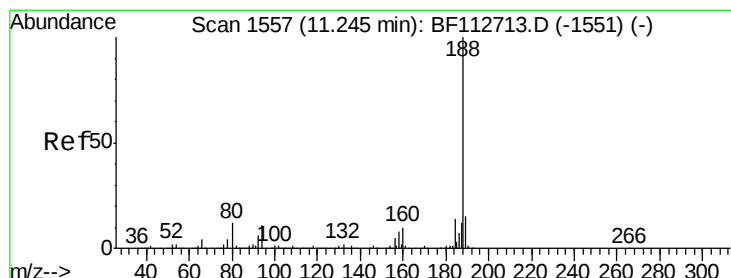
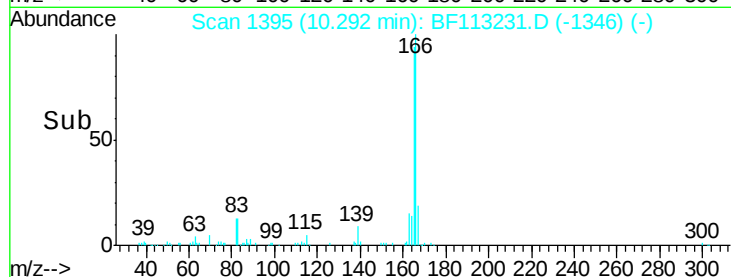
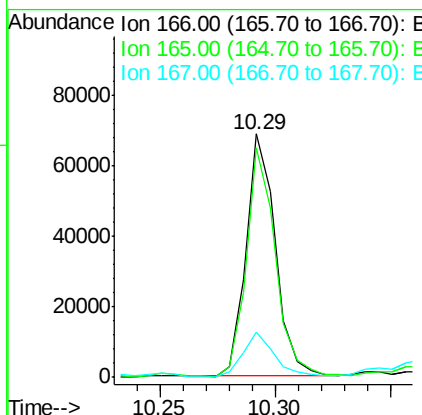
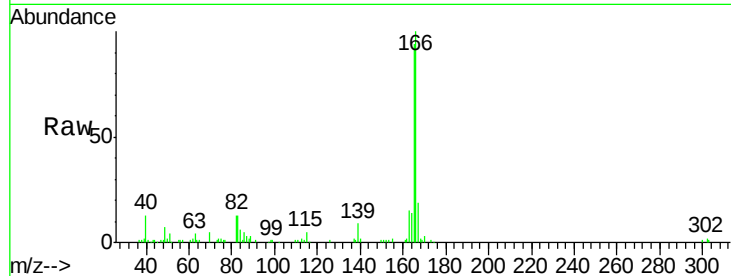
#58
 Fluorene
 Concen: 2.875 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Instrument :
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 PEDESTALS-1-11DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	74.6	112.0
167	18.7	11.0	16.4

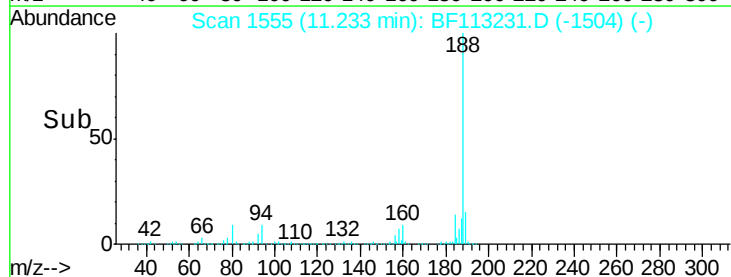
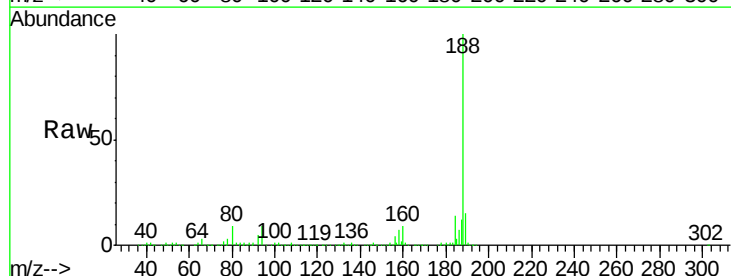
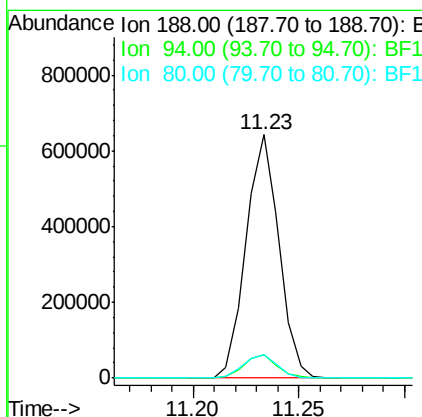
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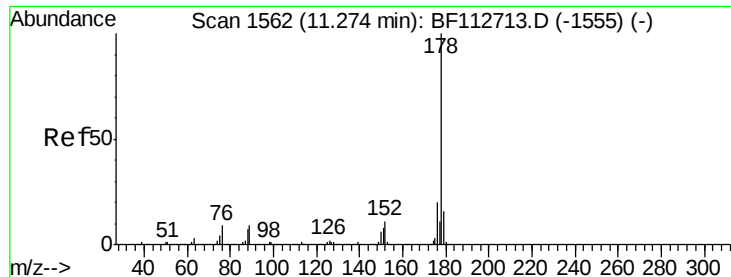
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.6	11.4
80	9.4	7.8	11.8





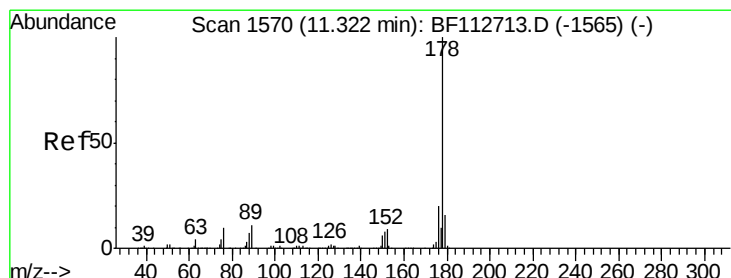
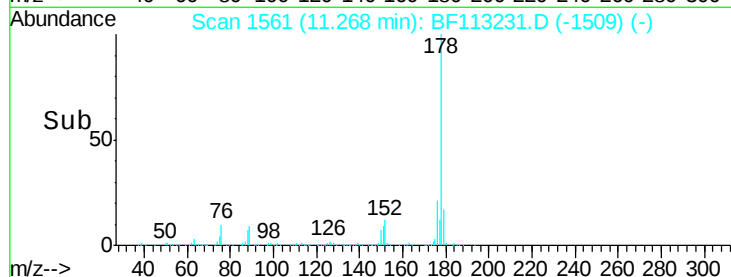
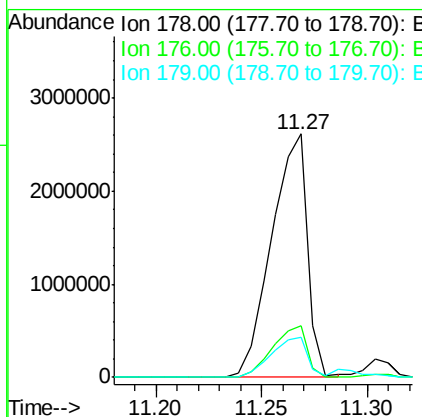
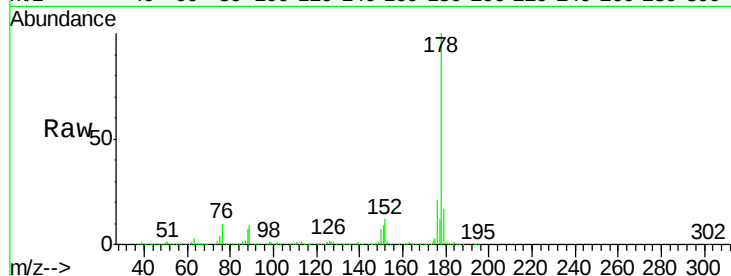
#71
Phenanthrene
Concen: 89.580 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL

Tgt Ion:178 Resp: 3090974
Ion Ratio Lower Upper
178 100
176 21.3 16.3 24.5
179 16.7 12.7 19.1

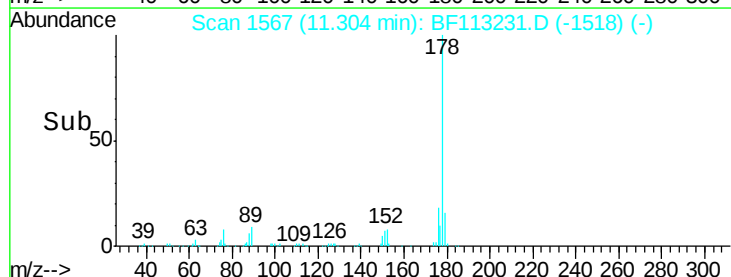
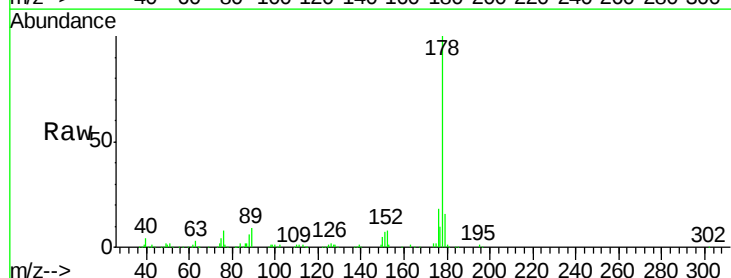
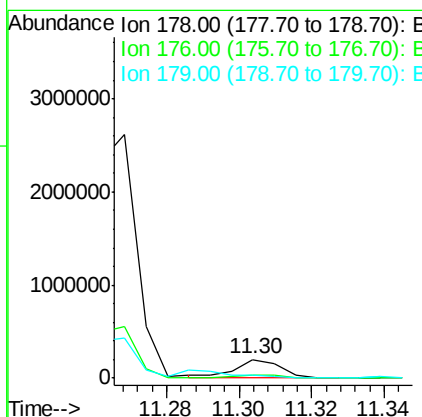
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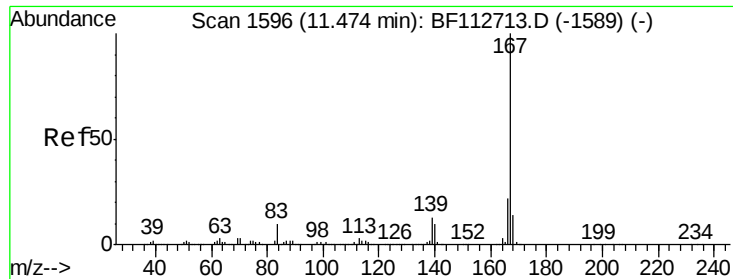
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#72
Anthracene
Concen: 4.674 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Tgt Ion:178 Resp: 168841
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 16.1 13.0 19.4





#73

Carbazole

Concen: 7.951 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF113231.D

Acq: 22 Mar 2019 13:35

Instrument :

BNA_F

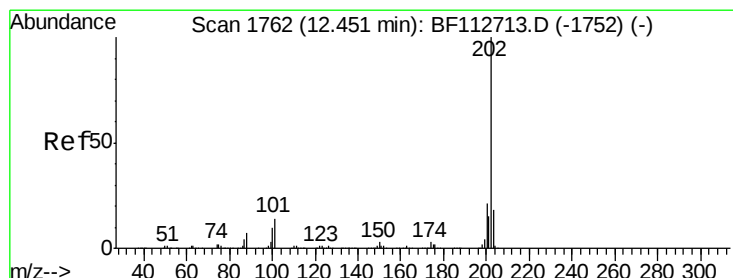
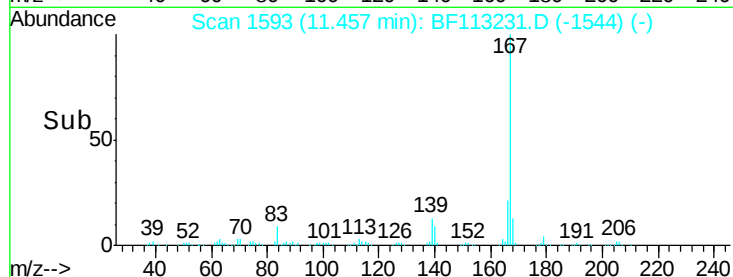
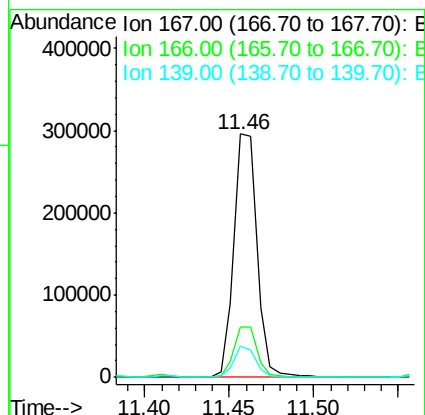
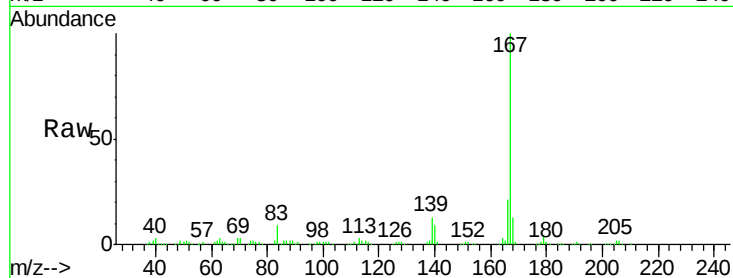
ClientSampleId :

PEDESTALS-1-11DL

Tgt Ion:	167	Resp:	280150
Ion Ratio		Lower	Upper
167	100		
166	20.5	17.6	26.4
139	12.7	10.6	16.0

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#75

Fluoranthene

Concen: 98.344 ng

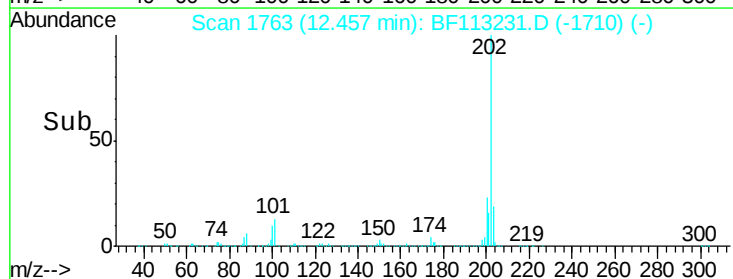
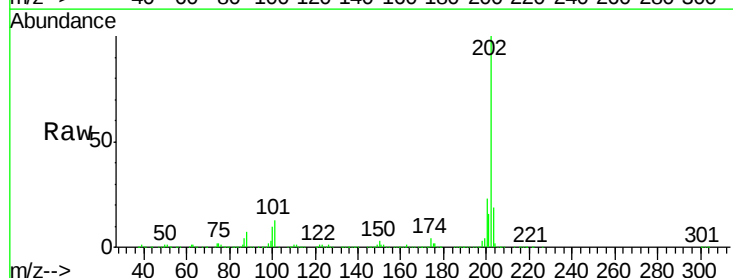
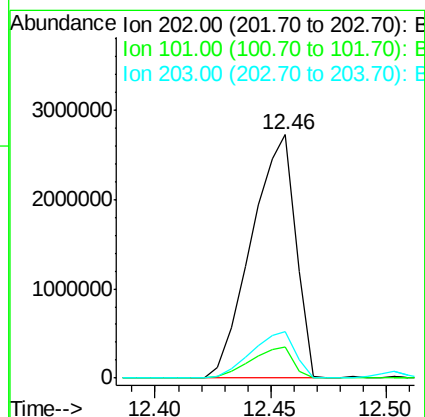
RT: 12.46 min Scan# 1763

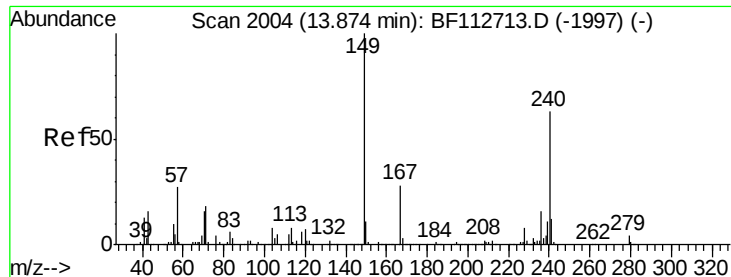
Delta R.T. 0.01 min

Lab File: BF113231.D

Acq: 22 Mar 2019 13:35

Tgt Ion:	202	Resp:	3635636
Ion Ratio		Lower	Upper
202	100		
101	13.0	0.0	32.0
203	19.3	0.0	38.8





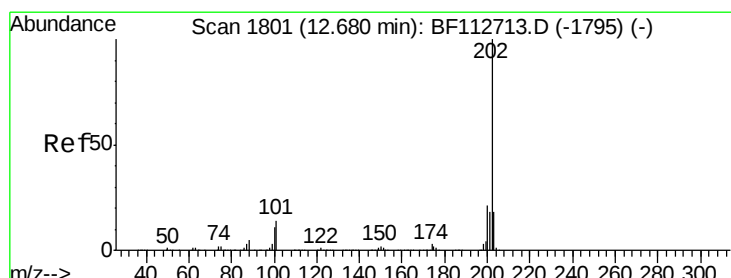
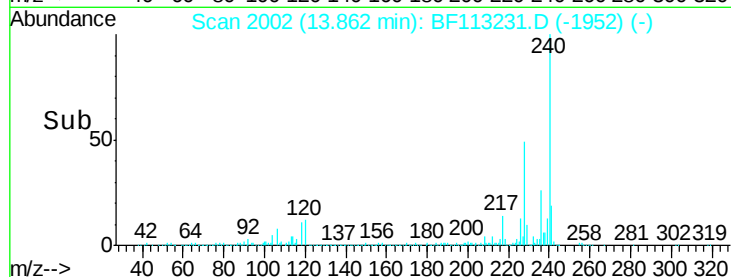
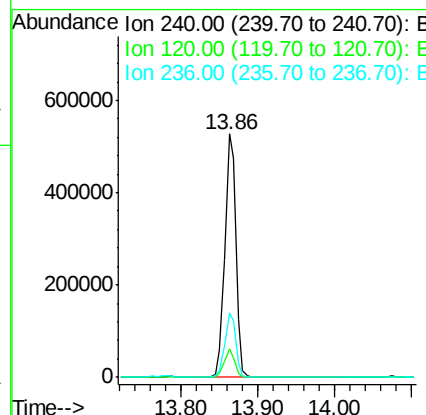
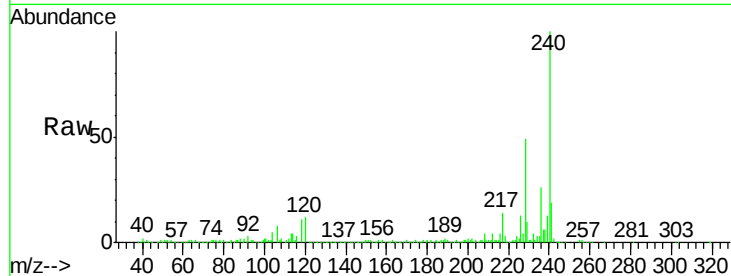
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	523209		
120	11.9	9.6	14.4	
236	26.5	21.1	31.7	

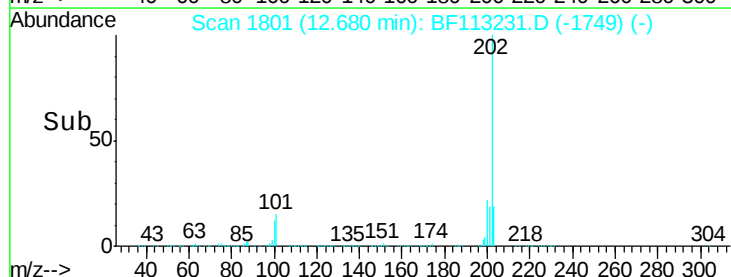
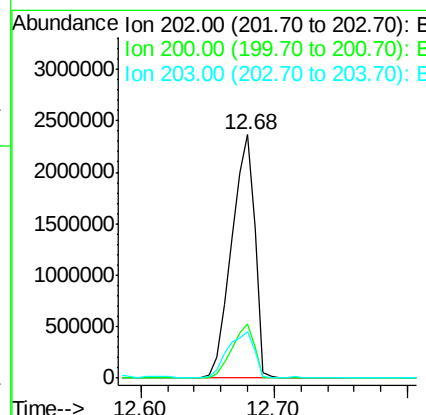
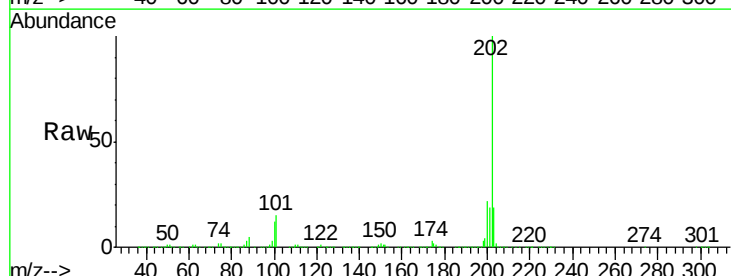
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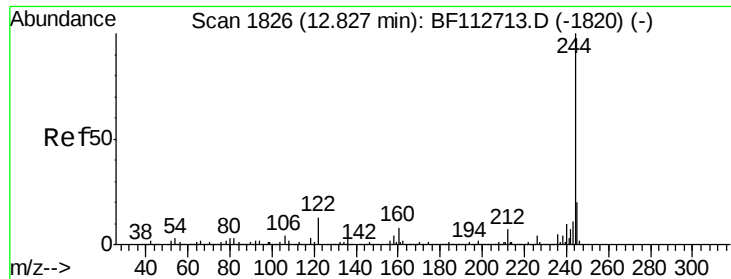
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#78
Pyrene
Concen: 65.793 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2902004		
200	22.0	17.0	25.4	
203	19.3	14.7	22.1	





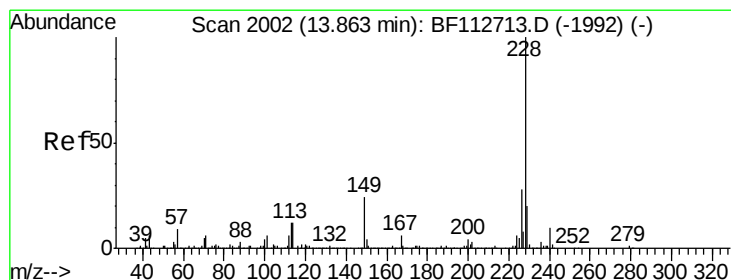
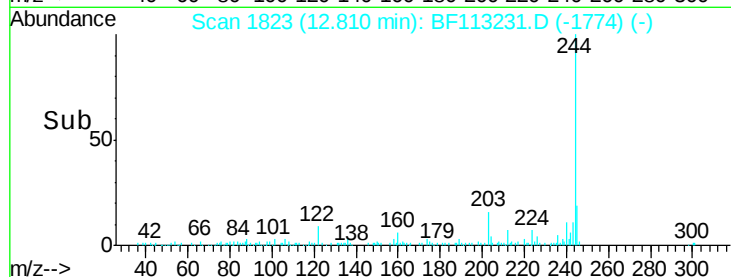
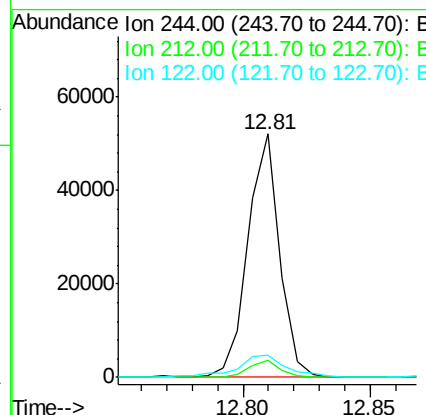
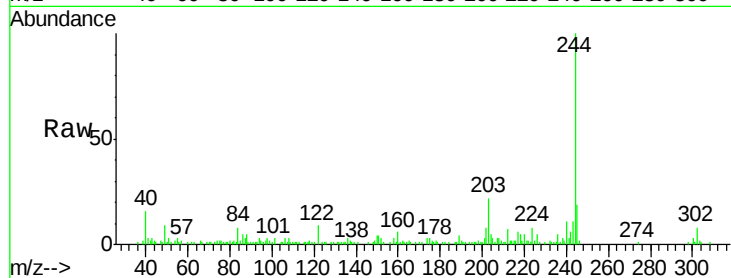
#79
 Terphenyl-d14
 Concen: 1.678 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.0	8.4	12.6

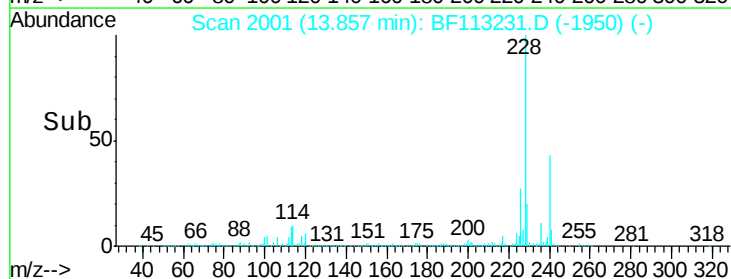
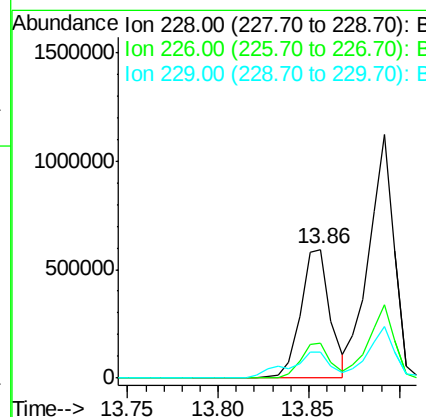
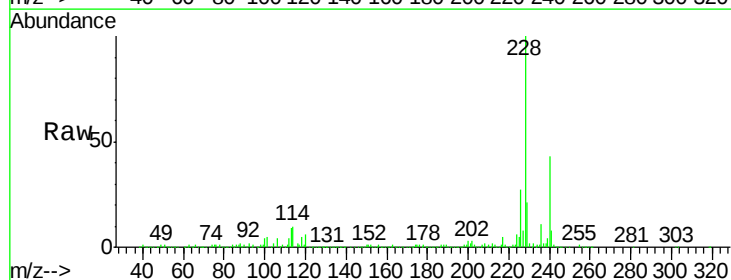
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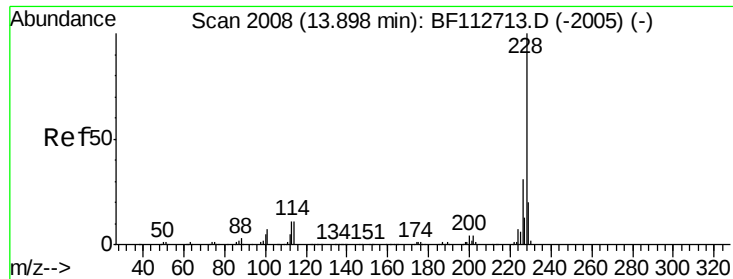
Sohil
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#81
 Benzo(a)anthracene
 Concen: 18.816 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF113231.D
 Acq: 22 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	20.6	16.4	24.6





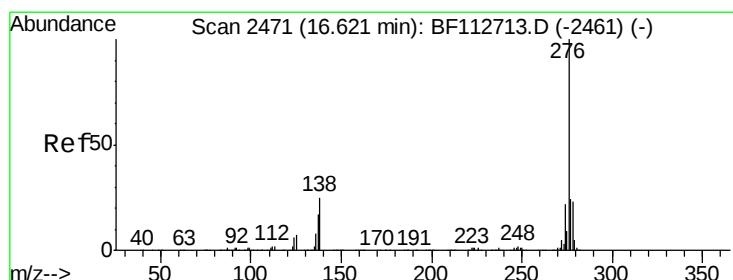
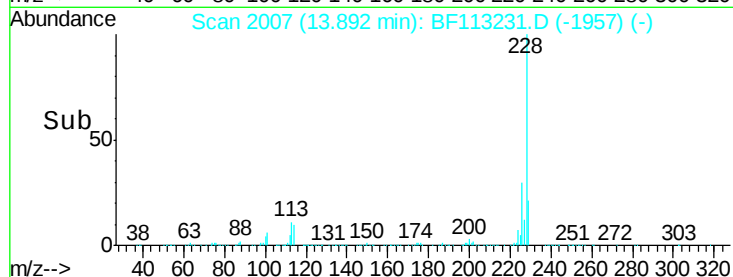
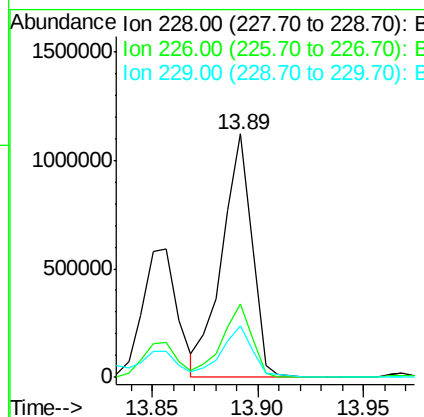
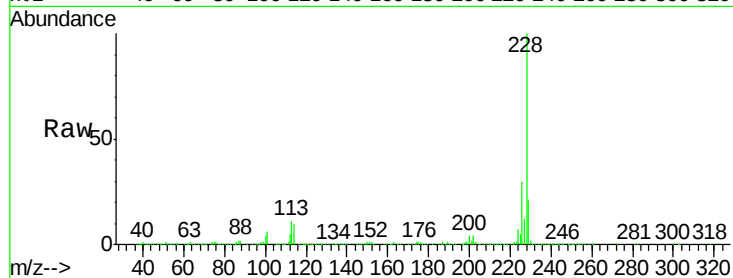
#83
Chrysene
Concen: 30.858 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL

Tgt Ion:	228	Resp:	1096052
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.3	37.9
229	21.4	16.6	25.0

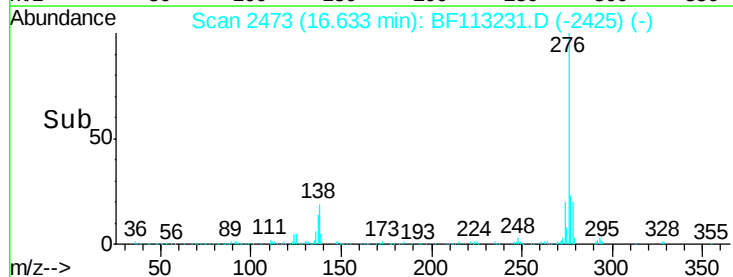
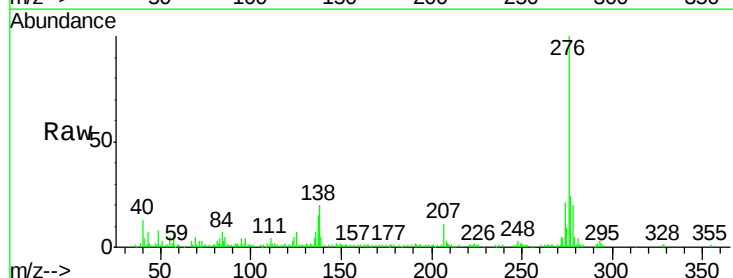
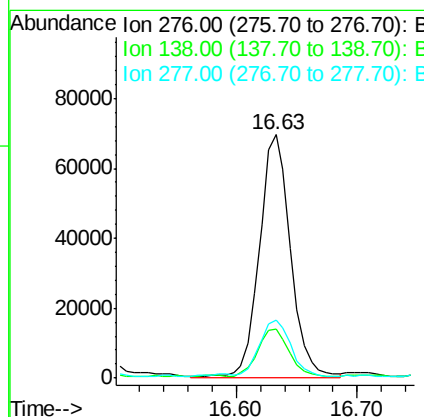
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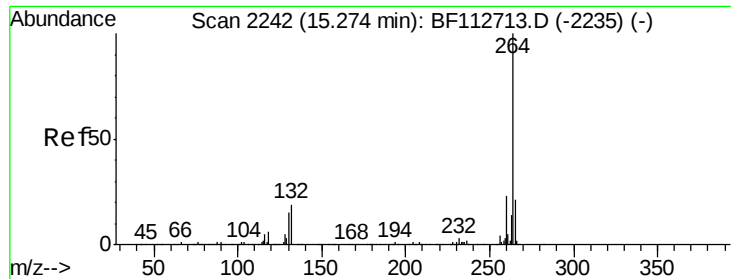
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.142 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Tgt Ion:	276	Resp:	125436
Ion	Ratio	Lower	Upper
276	100		
138	19.6	19.0	28.6
277	24.1	20.1	30.1





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113231.D

Acq: 22 Mar 2019 13:35

Instrument :

BNA_F

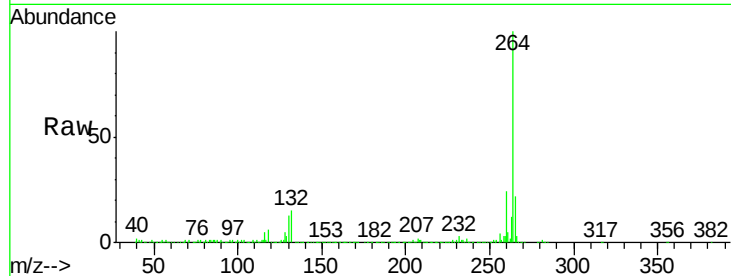
ClientSampleId :

PEDESTALS-1-11DL

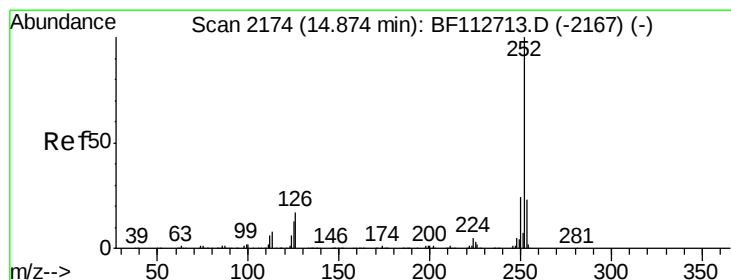
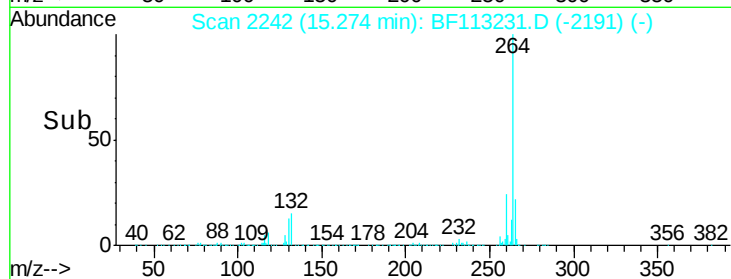
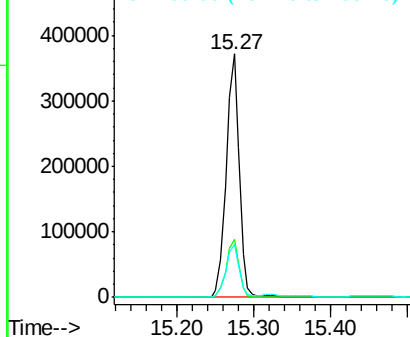
Tgt Ion:	264	Resp:	442896
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.9	17.1	25.7

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: 20.083 ng m

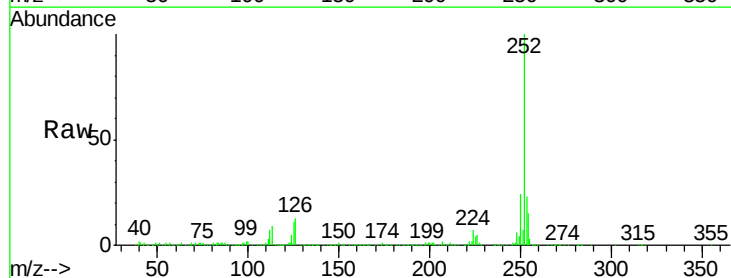
RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

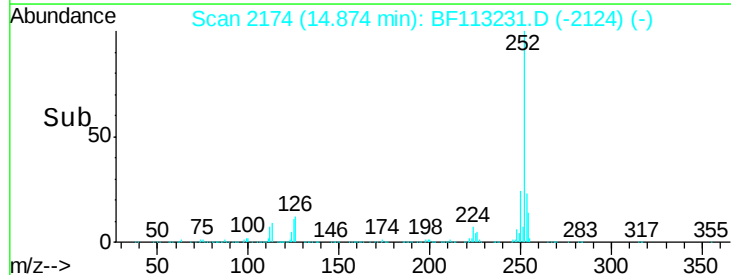
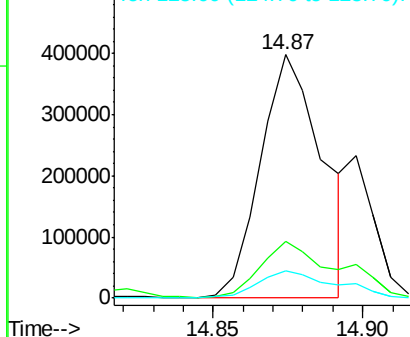
Lab File: BF113231.D

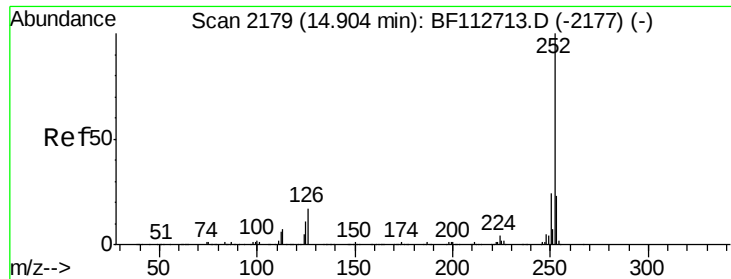
Acq: 22 Mar 2019 13:35

Tgt Ion:	252	Resp:	575331
Ion Ratio		Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.3	8.2	12.2



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





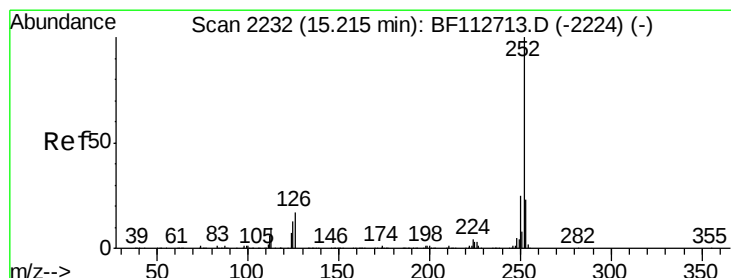
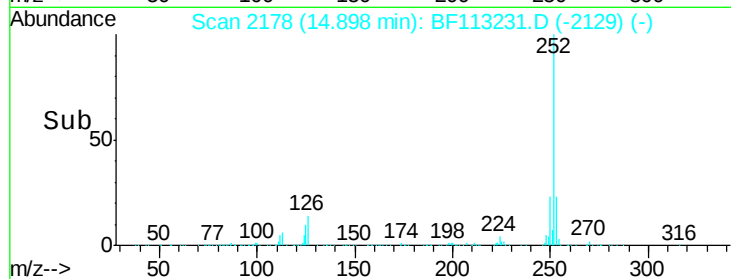
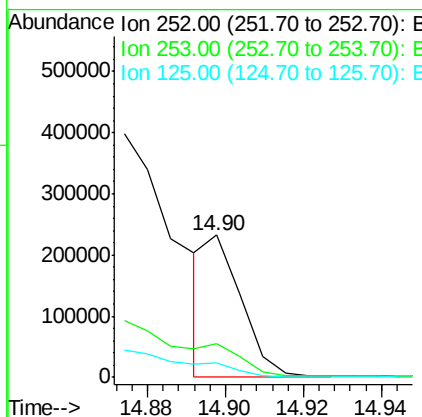
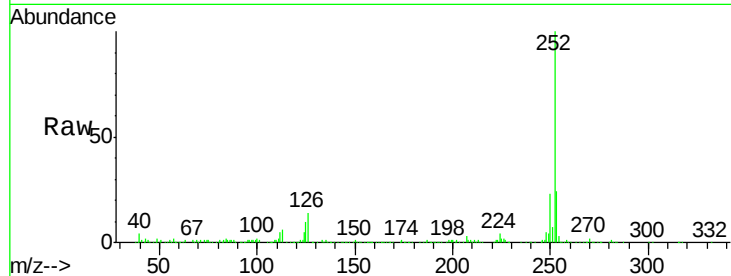
#89
Benzo(k)fluoranthene
Concen: 5.646 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	10.2	7.9	11.9

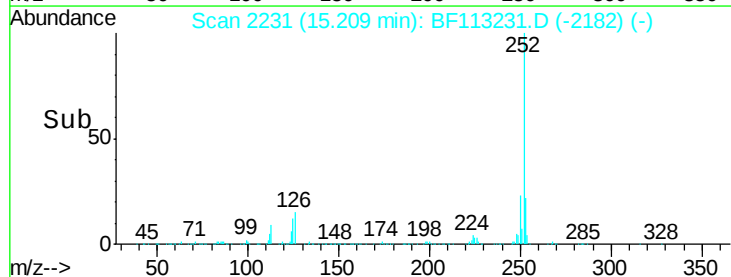
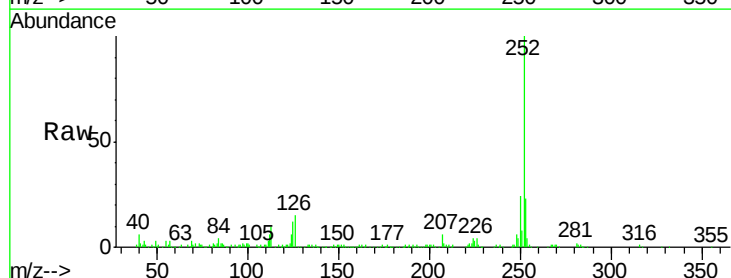
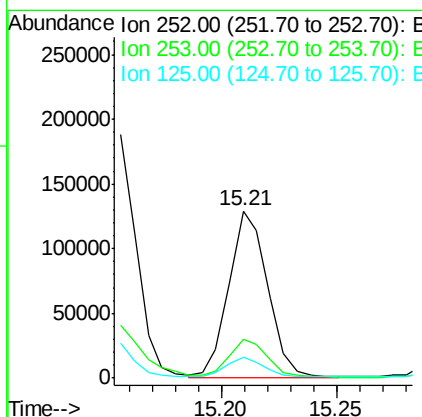
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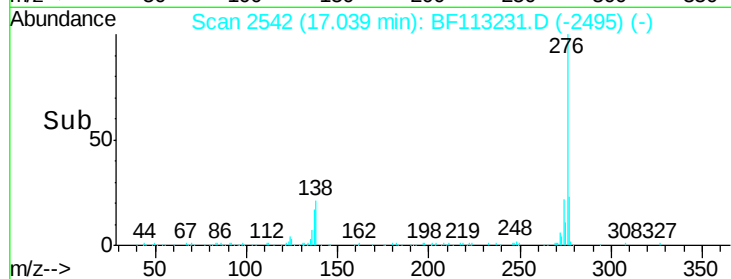
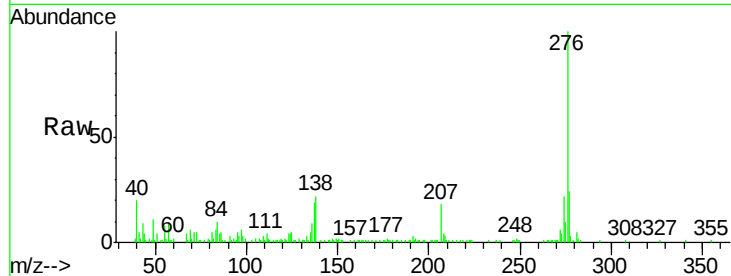
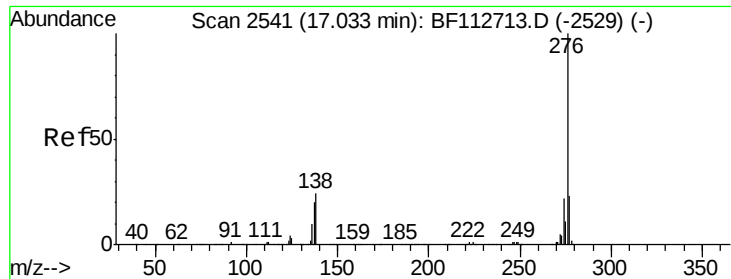
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#90
Benzo(a)pyrene
Concen: 5.938 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113231.D
Acq: 22 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.3	9.2	13.8





#92

Benzo(g,h,i)perylene

Concen: 4.623 ng

RT: 17.04 min Scan# 2542

Delta R.T. -0.02 min

Lab File: BF113231.D

Acq: 22 Mar 2019 13:35

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL

Tgt Ion:	276	Resp:	100376
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.0	28.6
138	22.0	16.0	24.0

Manual Integrations
APPROVED

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3/25/2019 6:32:04 PM

