

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113320.D
 Acq On : 27 Mar 2019 5:12
 Operator : JU/SJ
 Sample : K1693-13 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032519-A

Manual Integrations
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 3/27/2019 3:18:01 PM

Quant Time: Mar 27 08:36:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	136934	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	470337	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	198763	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	413028	20.00	ng	0.00
76) Chrysene-d12	13.84	240	421472	20.00	ng	0.00
87) Perylene-d12	15.24	264	312591	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	115034	13.74	ng	0.00
7) Phenol-d6	6.35	99	154822	14.61	ng	-0.01
23) Nitrobenzene-d5	7.26	82	76656	9.67	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	35995	14.66	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	149004	-7.43	ng	0.00
79) Terphenyl-d14	12.79	244	189504	9.91	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.00	128	70500	3.067	ng	97
52) Acenaphthene	9.76	154	28734	2.469	ng	98
55) Dibenzofuran	9.94	168	36624	2.093	ng	97
58) Fluorene	10.28	166	47139	3.468	ng	100
71) Phenanthrene	11.23	178	311614	15.193	ng	98
72) Anthracene	11.29	178	97616	4.685	ng	98
75) Fluoranthene	12.42	202	338630	14.604	ng	98
78) Pyrene	12.64	202	281145	9.626	ng	99
81) Benzo(a)anthracene	13.83	228	124409	5.157	ng	99
83) Chrysene	13.86	228	102162	4.169	ng	97
88) Benzo(b)fluoranthene	14.84	252	102486m	5.278	ng	
89) Benzo(k)fluoranthene	14.87	252	34533m	2.025	ng	
90) Benzo(a)pyrene	15.18	252	67706	3.933	ng	# 92
92) Benzo(g,h,i)perylene	17.00	276	33365	2.223	ng	91

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

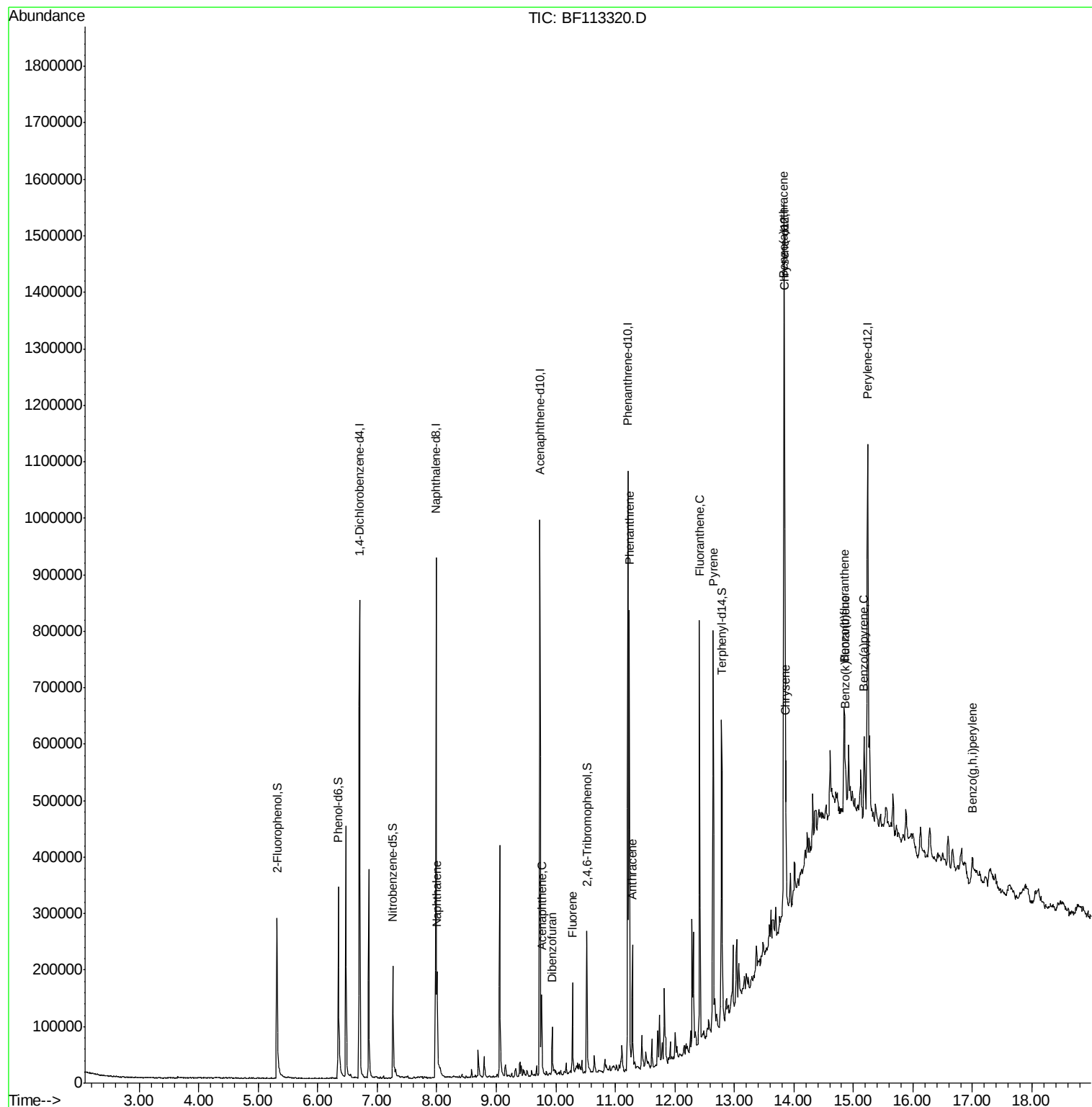
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
Data File : BF113320.D
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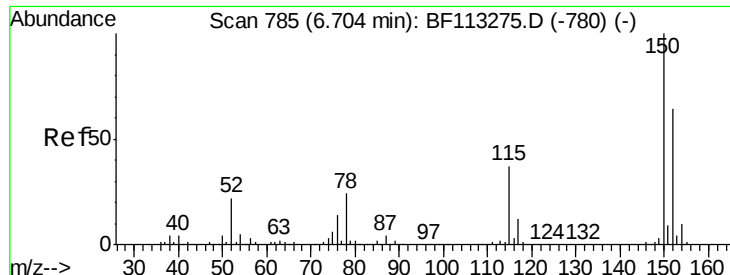
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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#1

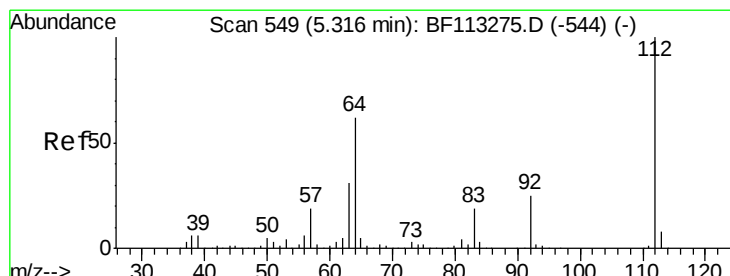
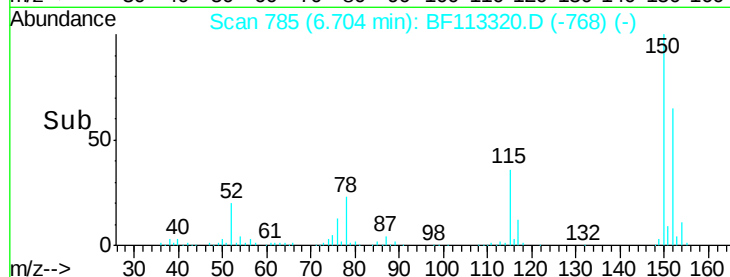
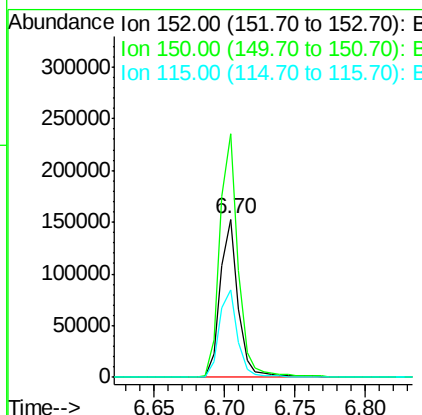
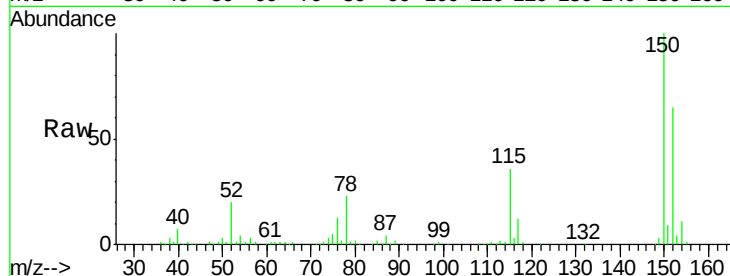
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.7	187.1
115	55.1	46.0	69.0

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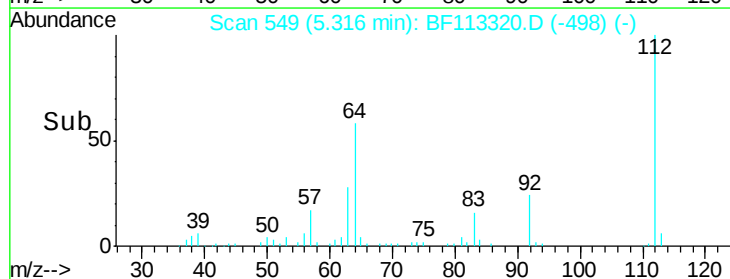
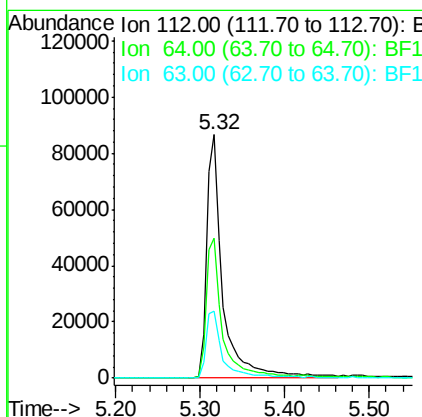
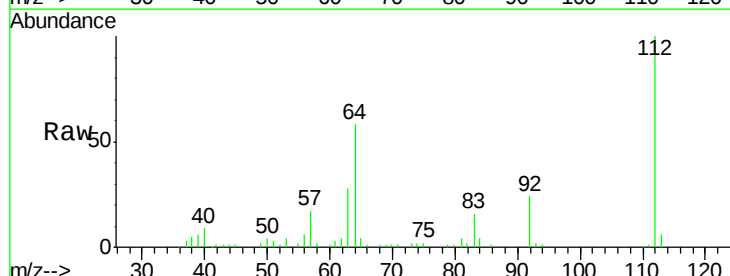
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#5

2-Fluorophenol
Concen: 13.736 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	49.2	73.8
63	27.7	24.9	37.3





#7

Phenol-d6

Concen: 14.614 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113320.D

Acq: 27 Mar 2019 5:12

Instrument :

BNA_F

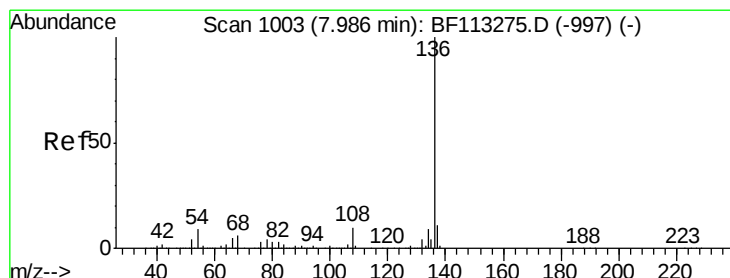
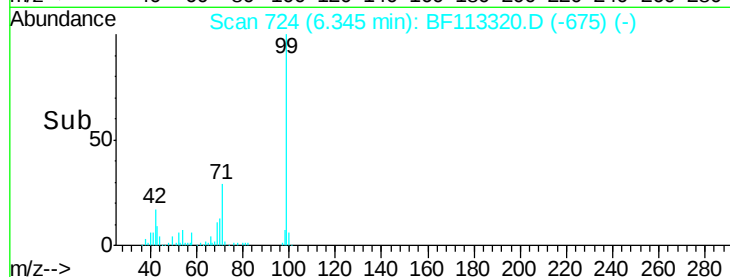
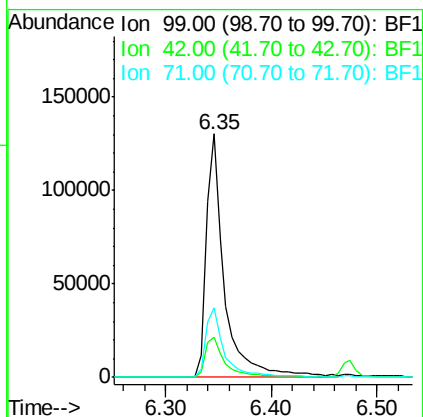
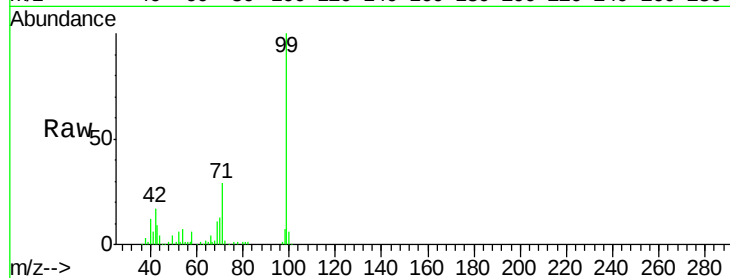
ClientSampleId :

OR-01-032519-A

Tgt Ion:	99	Resp:	154822
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.8	22.2
71	28.7	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

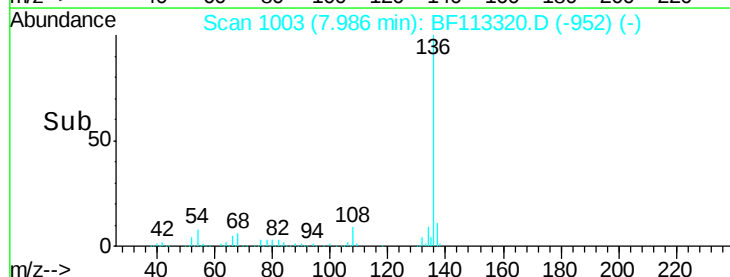
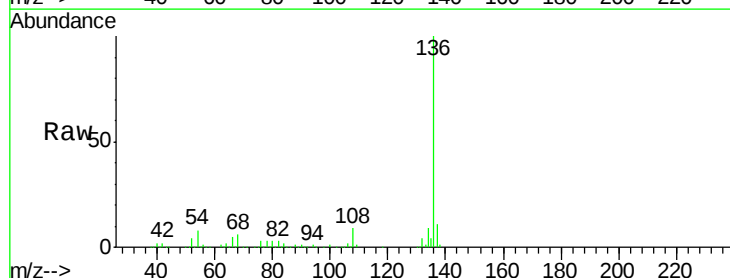
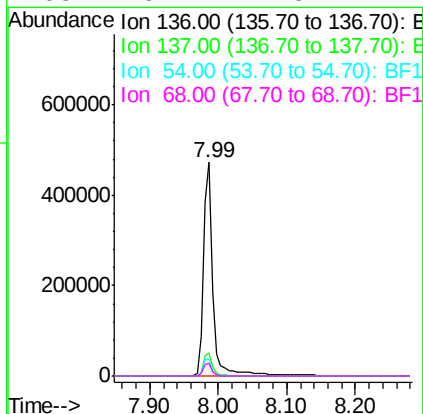
RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113320.D

Acq: 27 Mar 2019 5:12

Tgt Ion:	136	Resp:	470337
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.6	7.0	10.6
68	5.7	4.8	7.2





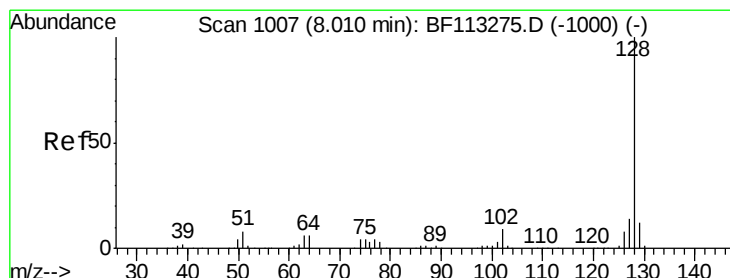
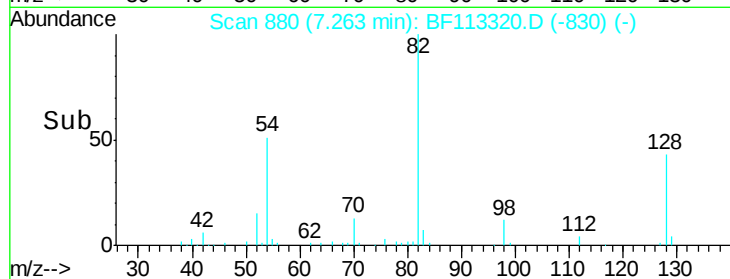
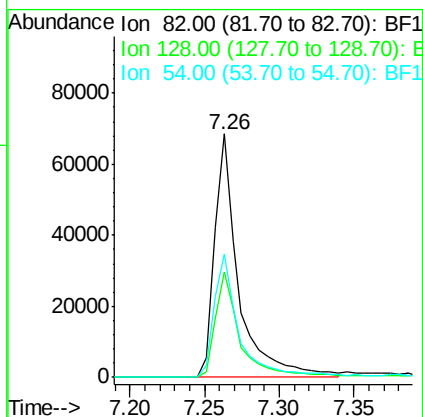
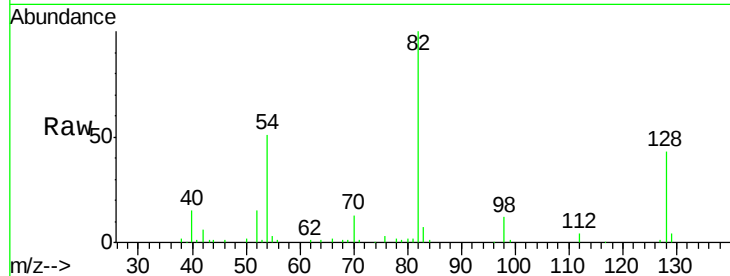
#23
Nitrobenzene-d5
Concen: 9.674 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.5	54.7
54	50.6	42.2	63.2

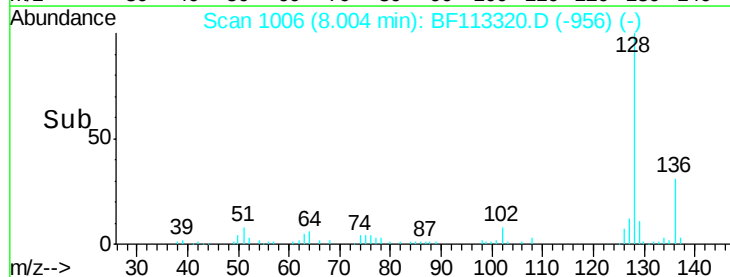
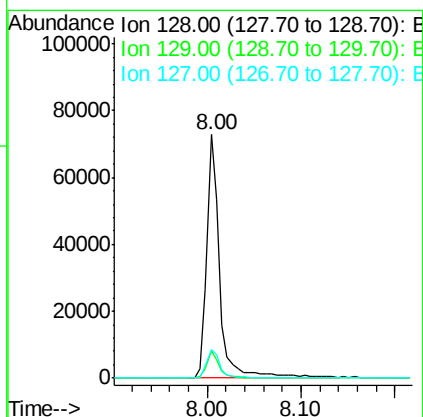
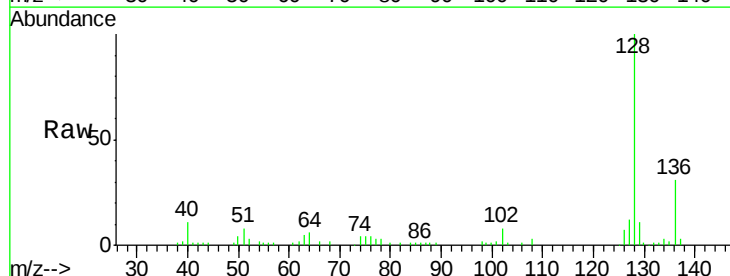
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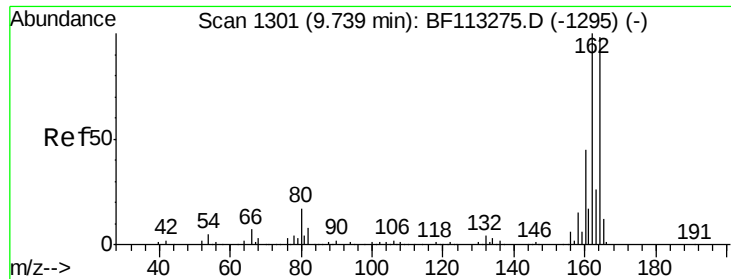
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#31
Naphthalene
Concen: 3.067 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	11.8	10.9	16.3





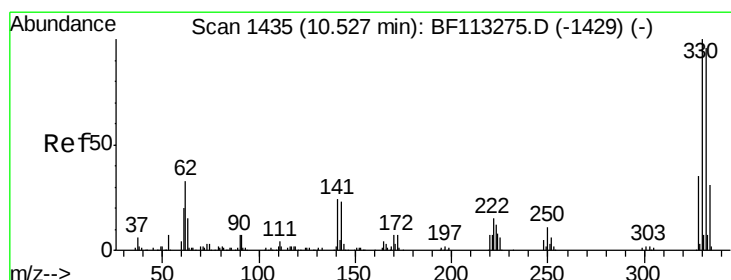
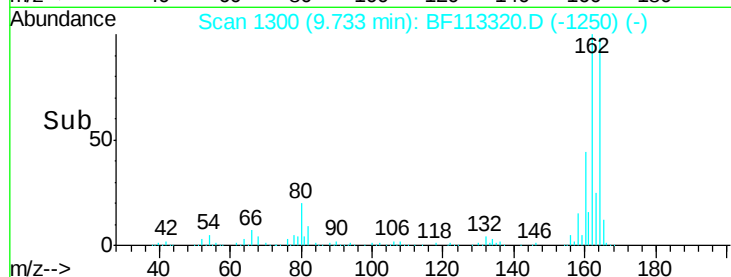
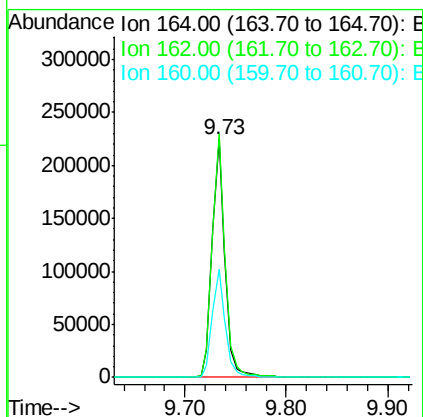
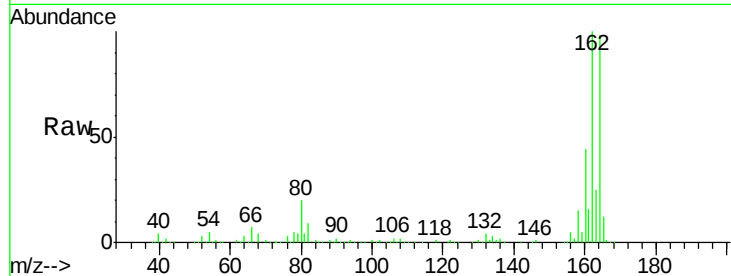
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	198763		
162	102.2	81.8	122.6	
160	45.1	36.4	54.6	

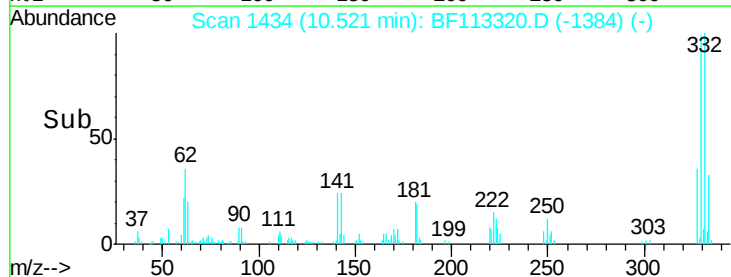
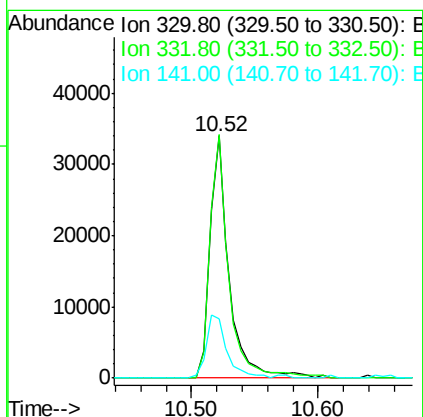
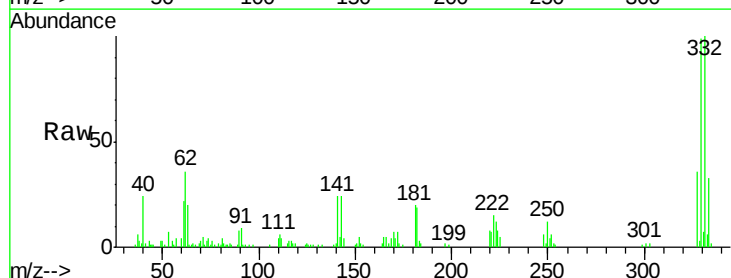
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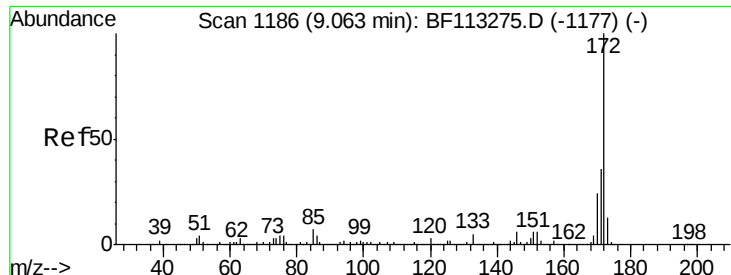
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#42
2,4,6-Tribromophenol
Concen: 14.661 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	35995		
332	99.0	77.8	116.6	
141	28.2	22.7	34.1	





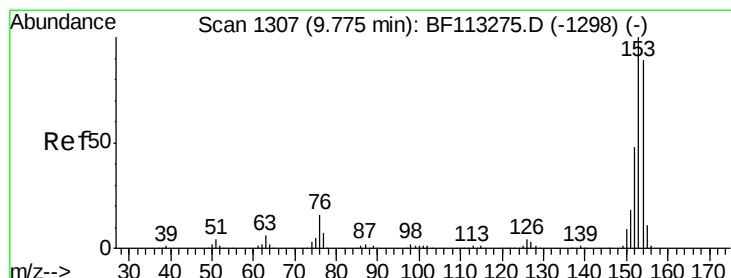
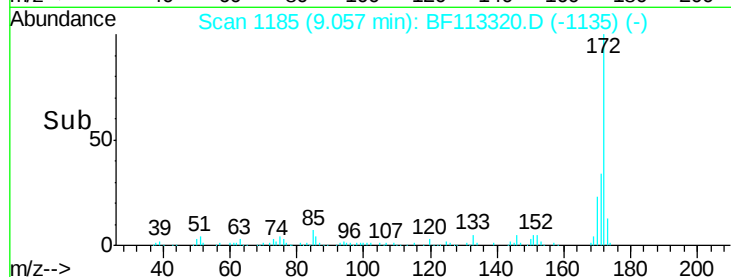
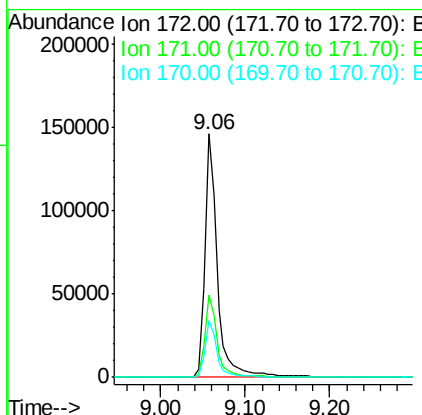
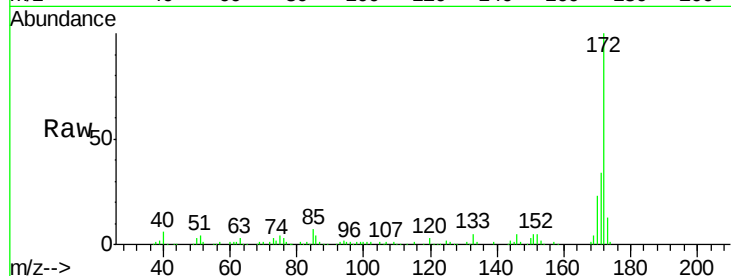
#45
2-Fluorobiphenyl
Concen: -7.429 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	149004		
171	34.1	29.0	43.6	
170	23.1	19.5	29.3	

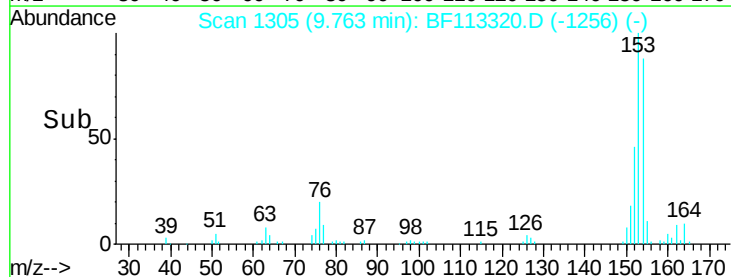
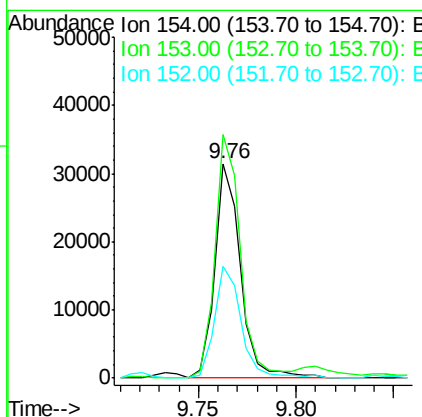
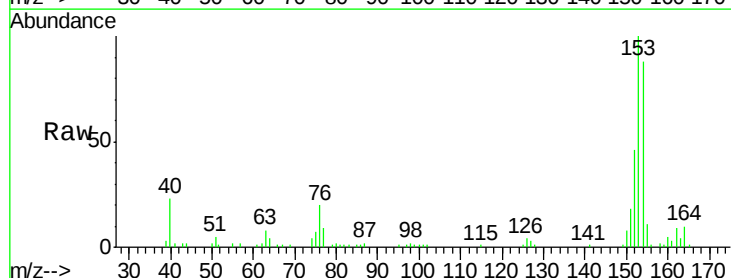
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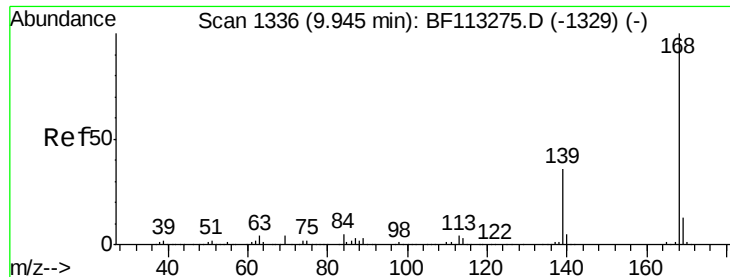
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#52
Acenaphthene
Concen: 2.469 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	28734		
153	113.6	89.5	134.3	
152	52.4	43.3	64.9	





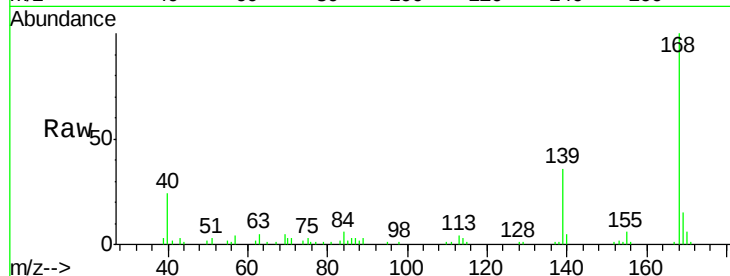
#55
Dibenzenofuran
Concen: 2.093 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

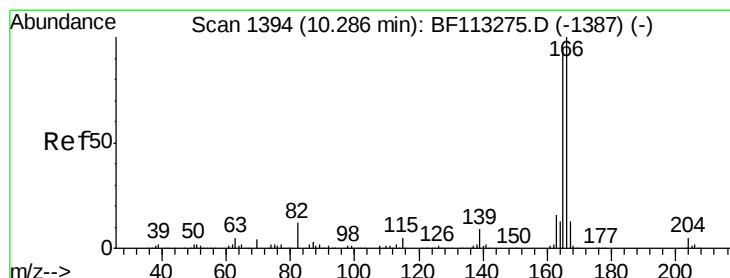
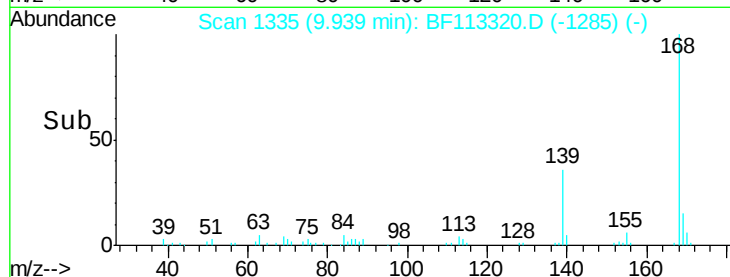
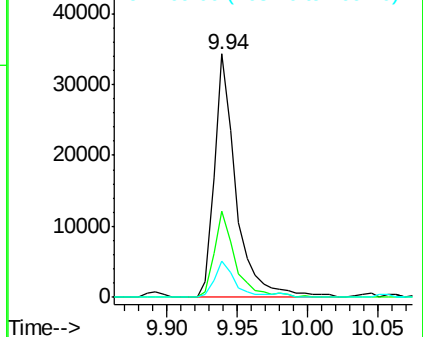
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.5	29.7	44.5
169	15.0	10.7	16.1

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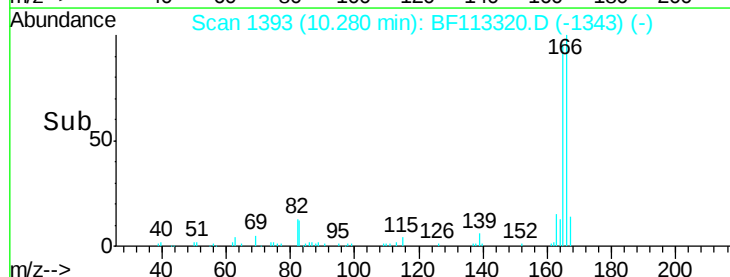
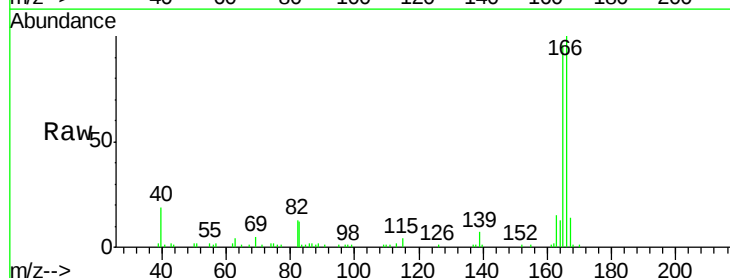
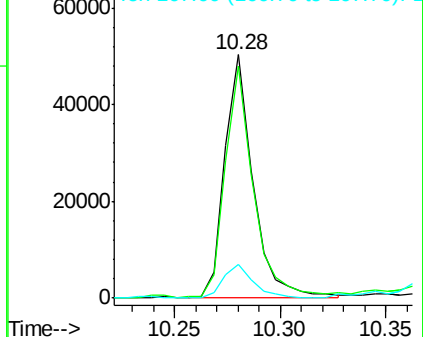
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Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

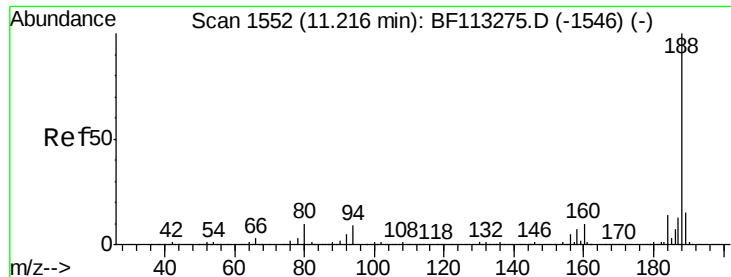


#58
Fluorene
Concen: 3.468 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	76.2	114.2
167	13.8	10.7	16.1

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





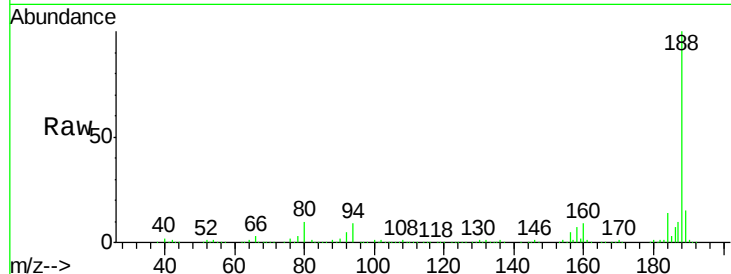
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

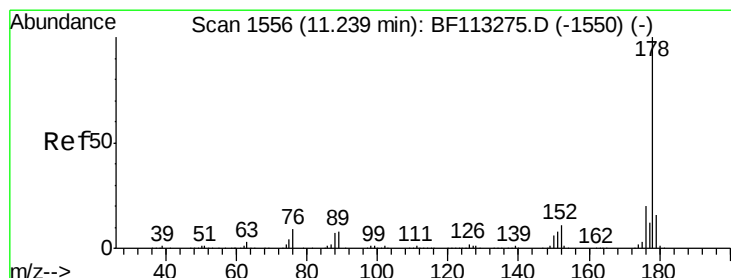
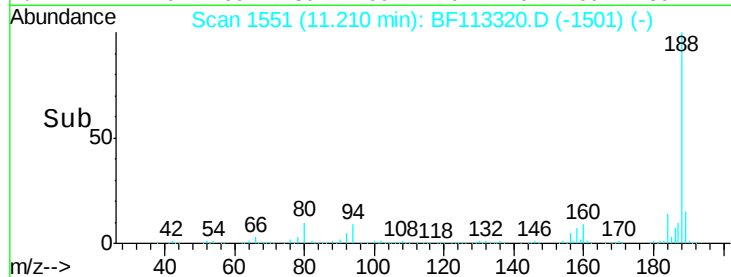
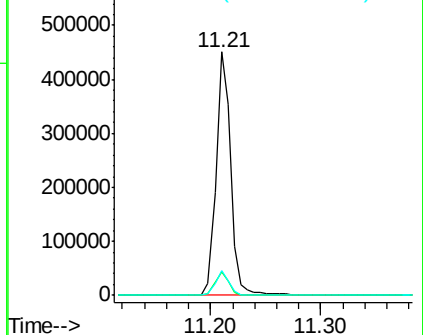
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	413028		
94	9.4	7.0	10.6	
80	10.0	7.7	11.5	

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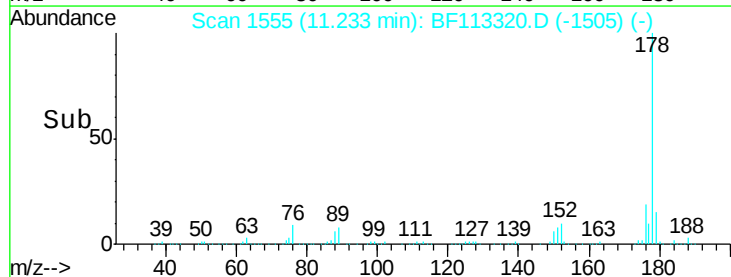
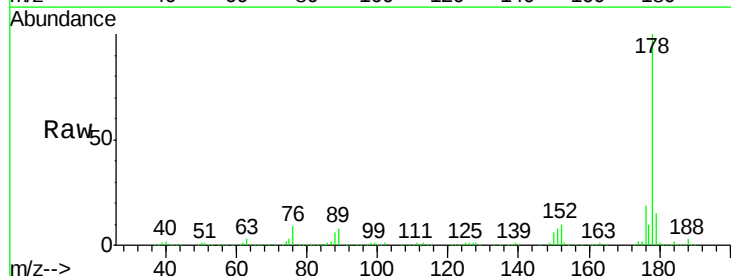
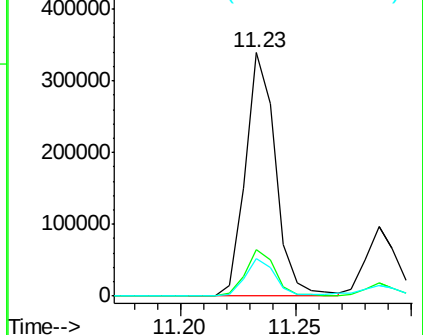
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

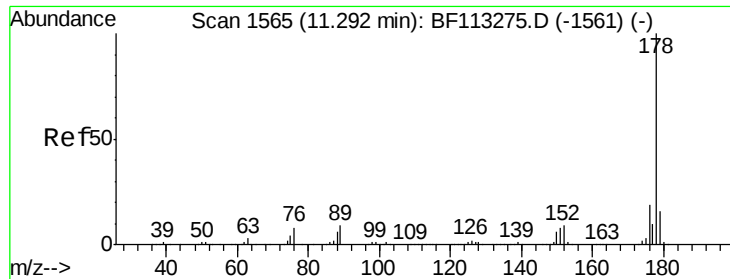


#71
Phenanthrene
Concen: 15.193 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	311614		
176	18.9	16.2	24.2	
179	15.2	12.7	19.1	

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





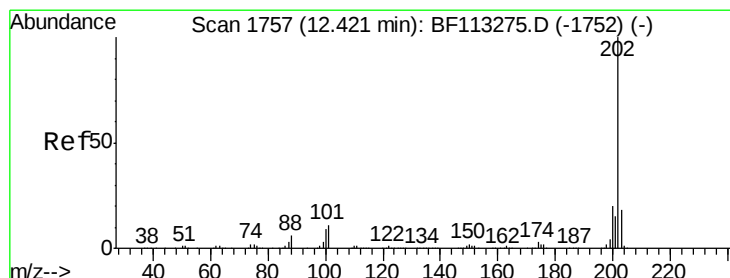
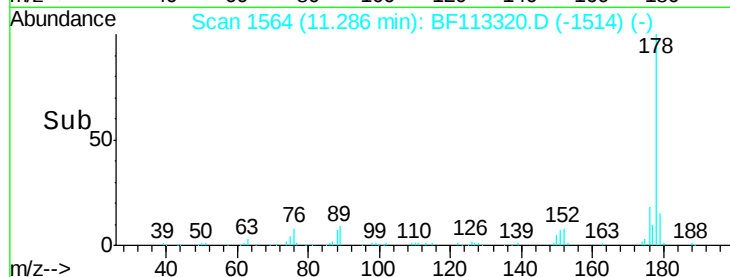
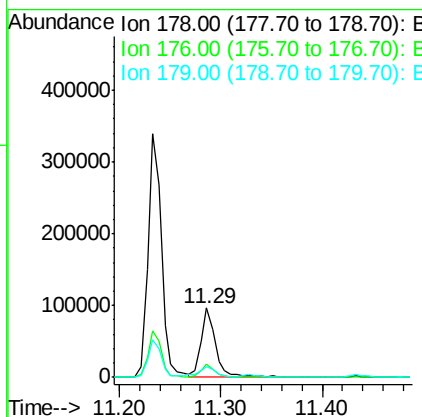
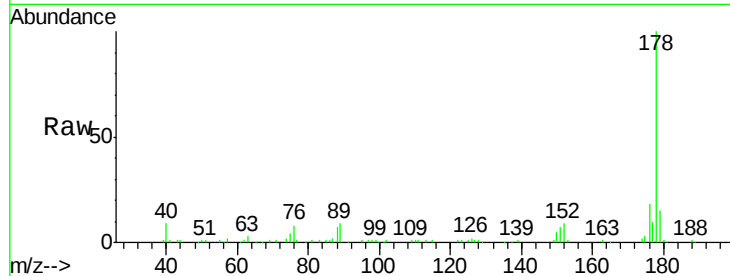
#72
 Anthracene
 Concen: 4.685 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113320.D
 Acq: 27 Mar 2019 5:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.8	19.2

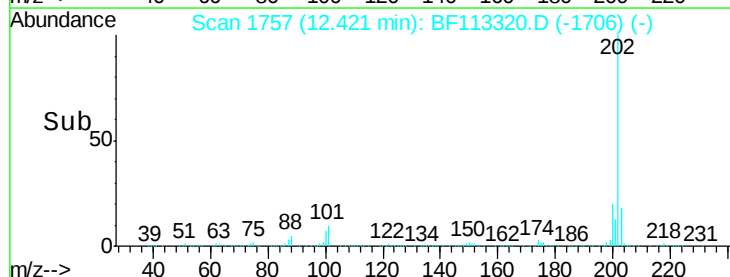
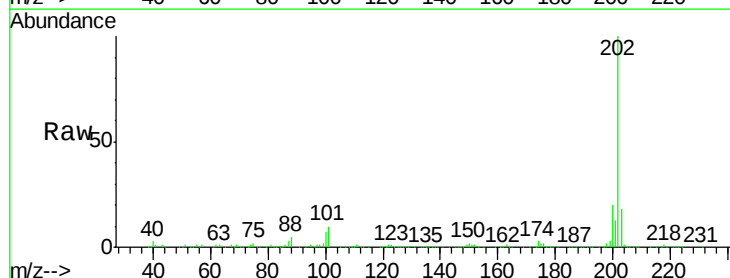
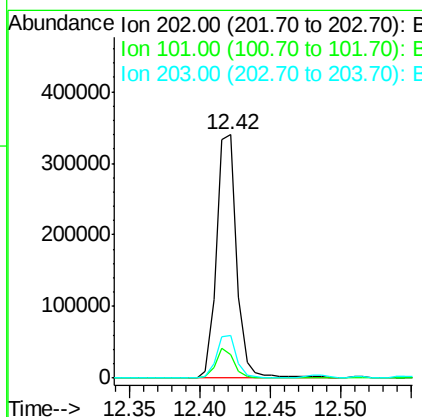
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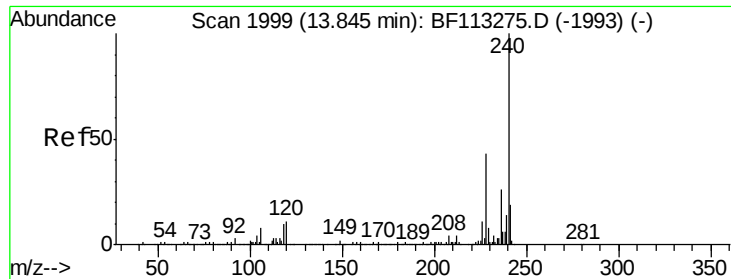
Sohil
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#75
 Fluoranthene
 Concen: 14.604 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BF113320.D
 Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	17.5	0.0	38.0





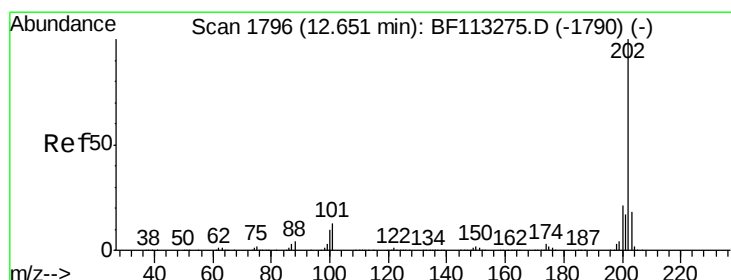
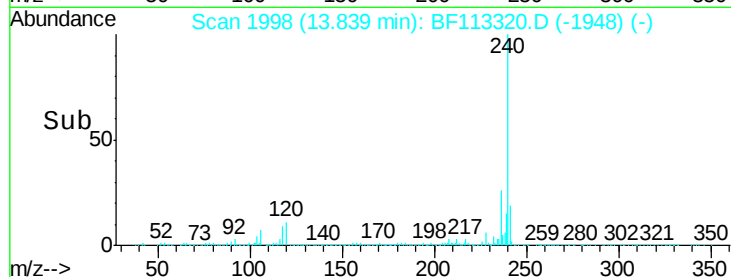
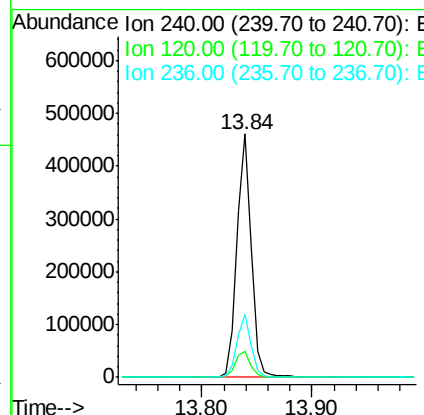
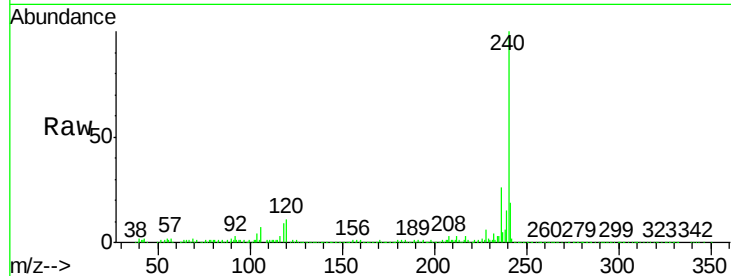
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	25.7	20.9	31.3

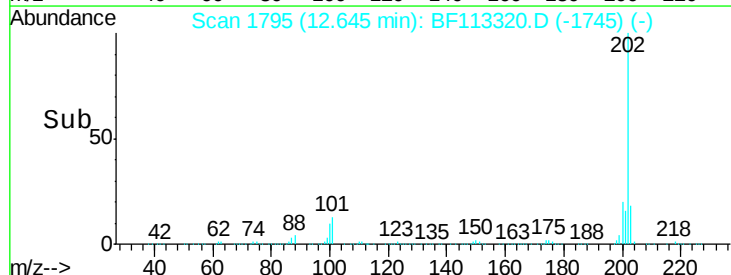
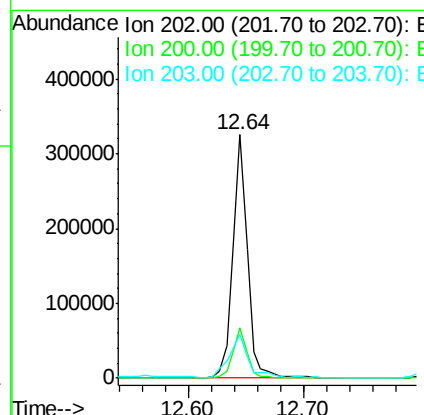
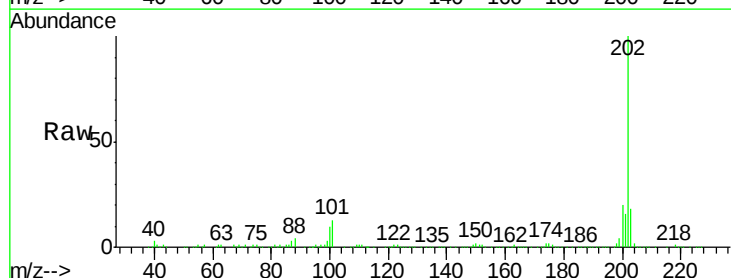
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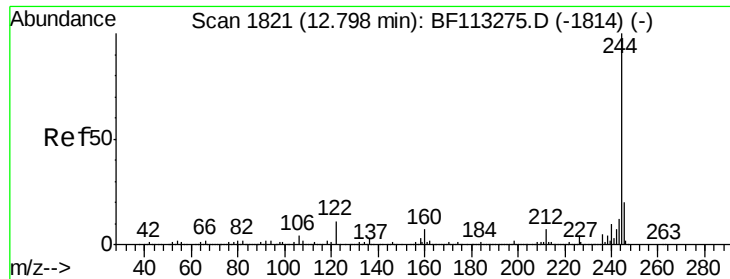
Sohil
3/27/2019 3:18:01 PM



#78
Pyrene
Concen: 9.626 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.2	14.4	21.6





#79

Terphenyl-d14

Concen: 9.910 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113320.D

Acq: 27 Mar 2019 5:12

Instrument :

BNA_F

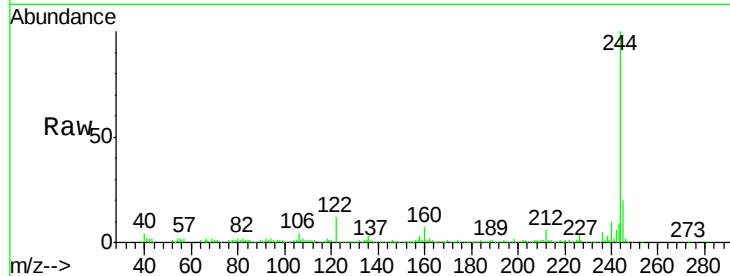
ClientSampleId :

OR-01-032519-A

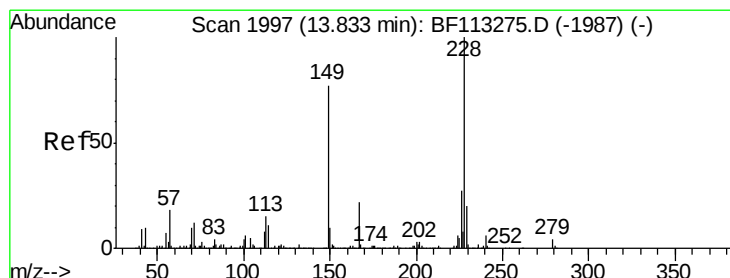
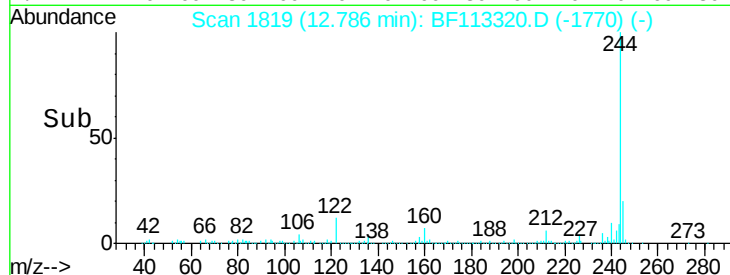
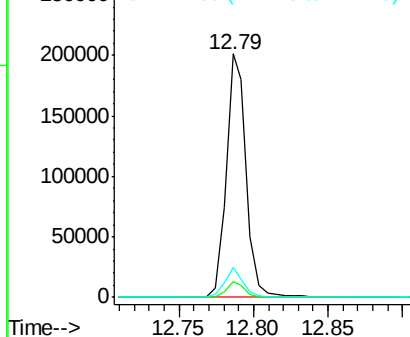
Tgt Ion:	244	Resp:	189504
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.5	8.3
122	12.2	8.6	13.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.157 ng

RT: 13.83 min Scan# 1996

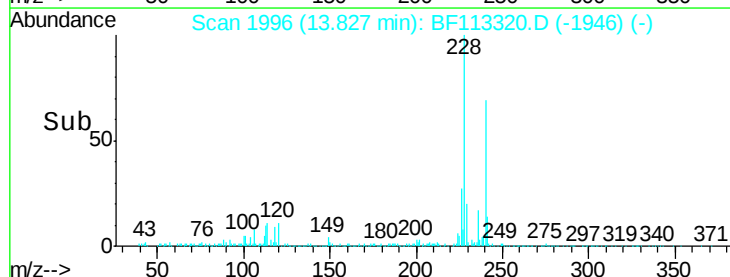
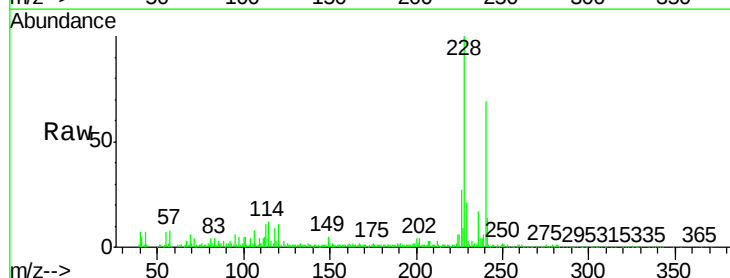
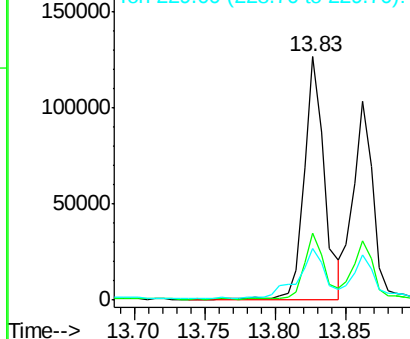
Delta R.T. -0.01 min

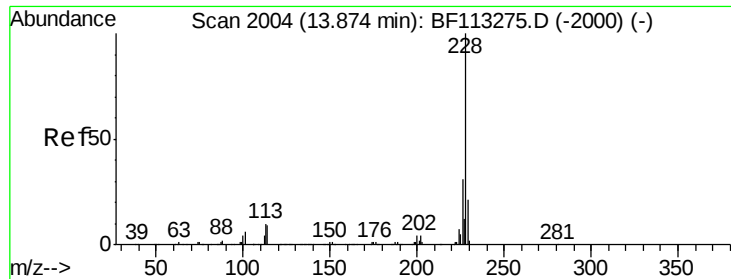
Lab File: BF113320.D

Acq: 27 Mar 2019 5:12

Tgt Ion:	228	Resp:	124409
Ion Ratio	Lower	Upper	
228	100		
226	27.5	21.8	32.8
229	21.1	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





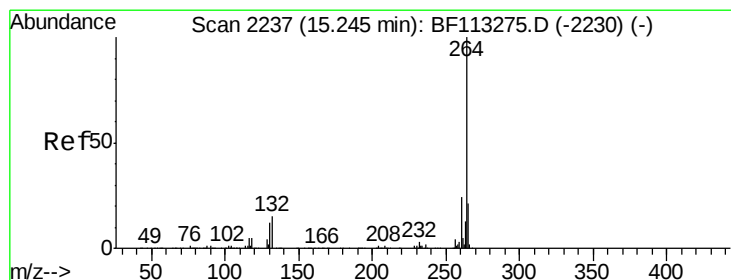
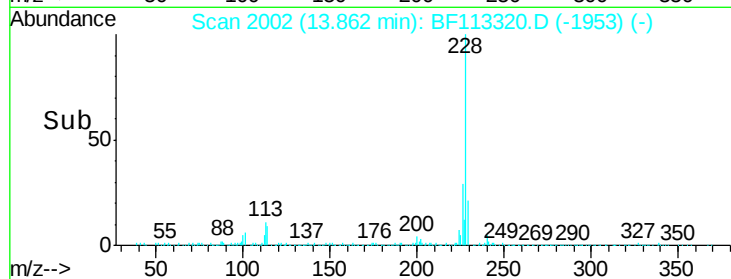
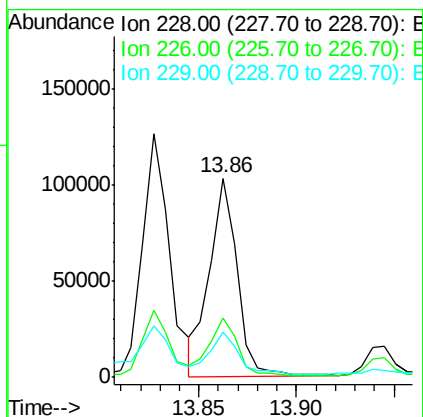
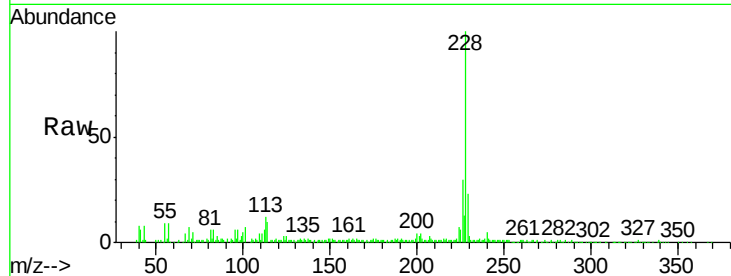
#83
Chrysene
Concen: 4.169 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	22.7	16.3	24.5

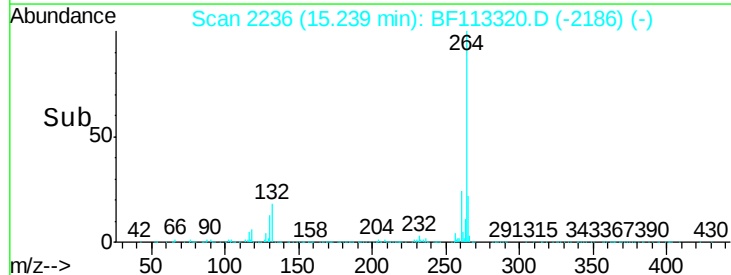
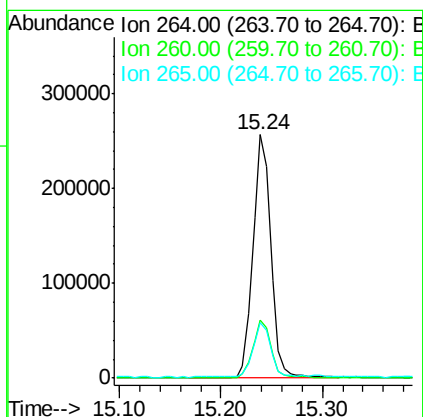
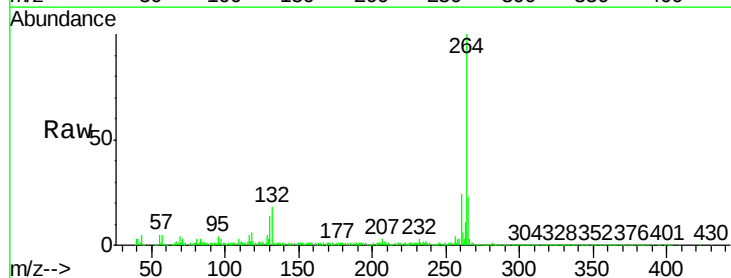
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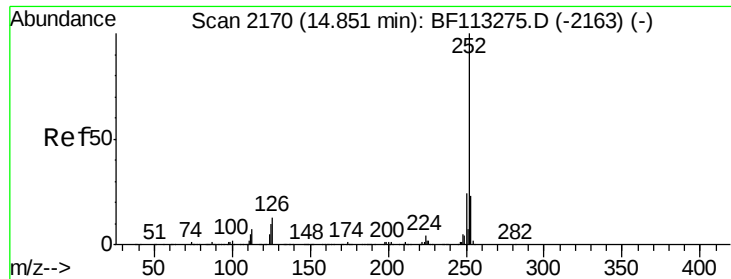
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.5	17.1	25.7





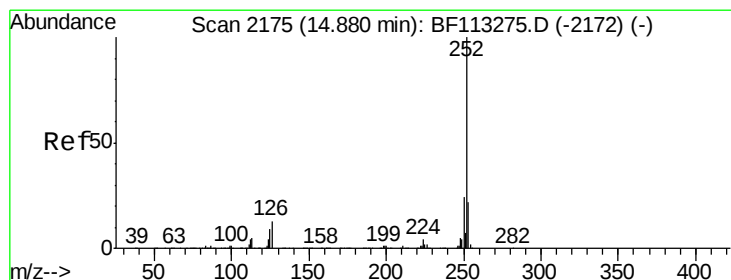
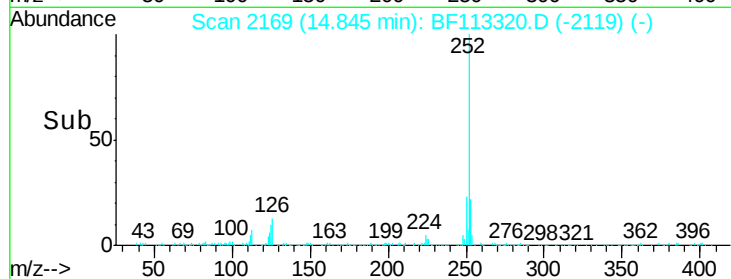
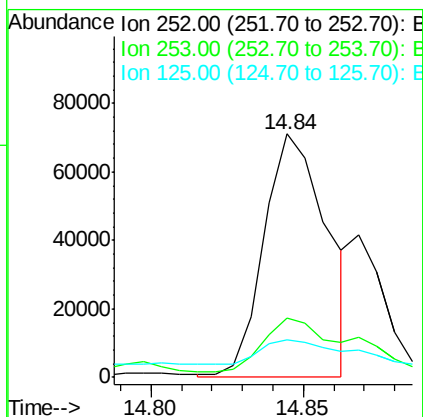
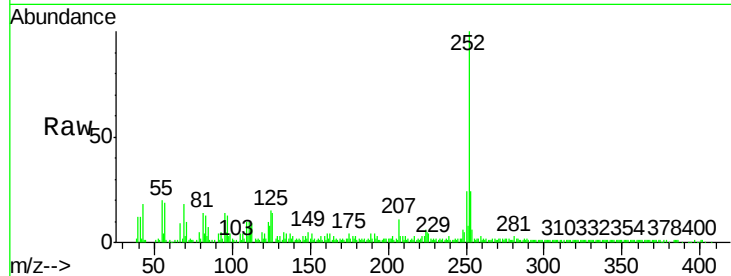
#88
Benzo(b)fluoranthene
Concen: 5.278 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	15.4	7.6	11.4

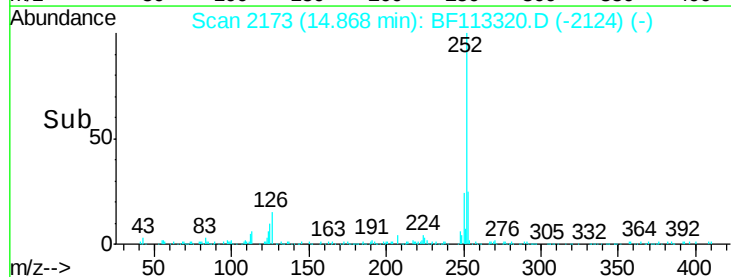
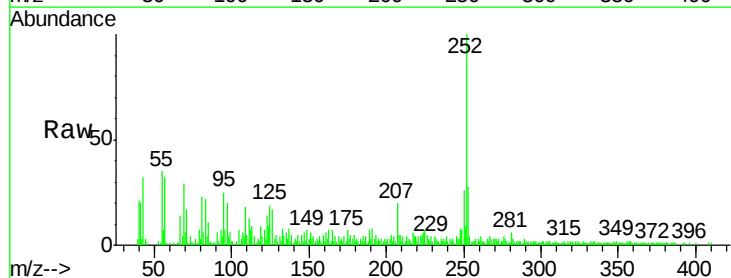
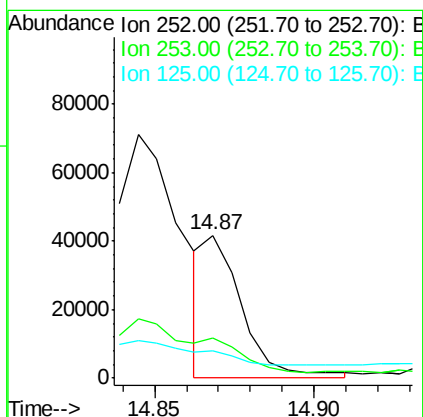
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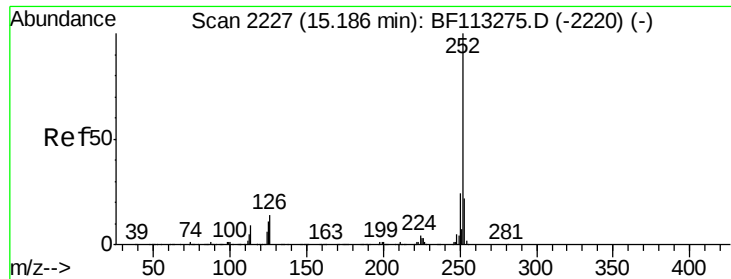
Sohil
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#89
Benzo(k)fluoranthene
Concen: 2.025 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.7	26.5
125	18.8	7.3	10.9





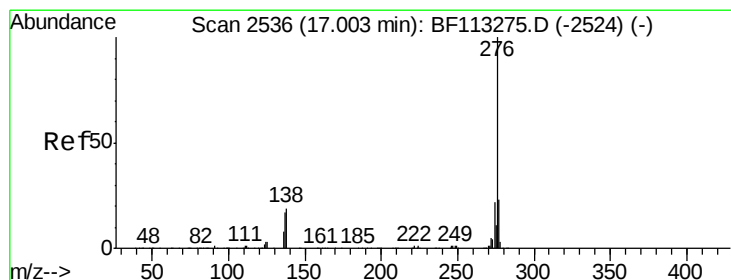
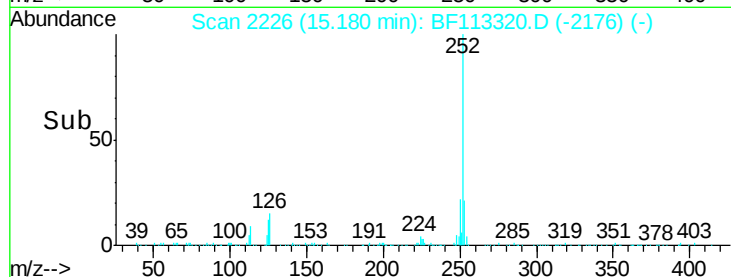
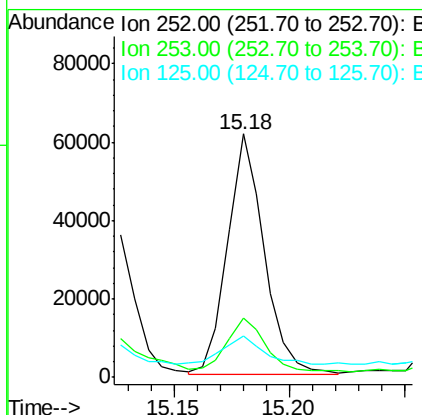
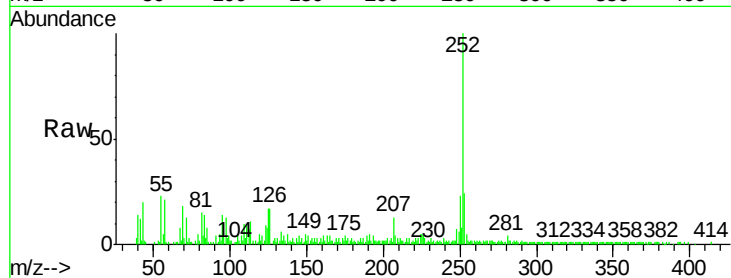
#90
Benzo(a)pyrene
Concen: 3.933 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	16.9	8.8	13.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.223 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113320.D
Acq: 27 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.0	18.8	28.2
138	23.3	15.6	23.4

