

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111444.D
 Acq On : 15 Dec 2018 3:26
 Operator : JU/SJ
 Sample : J6208-17DL 4X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

Manual Integrations
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Sohil
 12/17/2018 2:37:17 PM

Quant Time: Dec 15 04:53:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	179676	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	906113	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	355362	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	540963	20.00	ng	0.00
76) Chrysene-d12	13.96	240	419069	20.00	ng	0.00
87) Perylene-d12	15.39	264	319041	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	296358	27.45	ng	0.00
7) Phenol-d6	6.43	99	374955	26.11	ng	-0.01
23) Nitrobenzene-d5	7.35	82	214409	14.09	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	68489	21.52	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	374796	16.29	ng	0.00
79) Terphenyl-d14	12.90	244	252175	14.13	ng	0.00
Target Compounds						
49) Acenaphthylene	9.69	152	77538	2.282	ng	Qvalue 92
52) Acenaphthene	9.86	154	81353	3.789	ng	99
55) Dibenzofuran	10.03	168	67635	2.170	ng	# 94
58) Fluorene	10.37	166	119977	5.307	ng	99
71) Phenanthrene	11.34	178	1399100	50.192	ng	95
72) Anthracene	11.39	178	422081	14.806	ng	93
73) Carbazole	11.54	167	79474	2.696	ng	# 96
75) Fluoranthene	12.53	202	2131457	78.162	ng	100
78) Pyrene	12.76	202	1976278	66.889	ng	97
81) Benzo(a)anthracene	13.94	228	914501	40.134	ng	99
83) Chrysene	13.98	228	777351	32.384	ng	98
86) Indeno(1,2,3-cd)pyrene	16.81	276	202311	11.678	ng	# 89
88) Benzo(b)fluoranthene	14.98	252	689013m	37.043	ng	
89) Benzo(k)fluoranthene	15.00	252	243263m	13.687	ng	
90) Benzo(a)pyrene	15.33	252	474119	28.266	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	55400	4.187	ng	95
92) Benzo(a,h,i)perylene	17.24	276	163648	12.600	ng	# 93

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

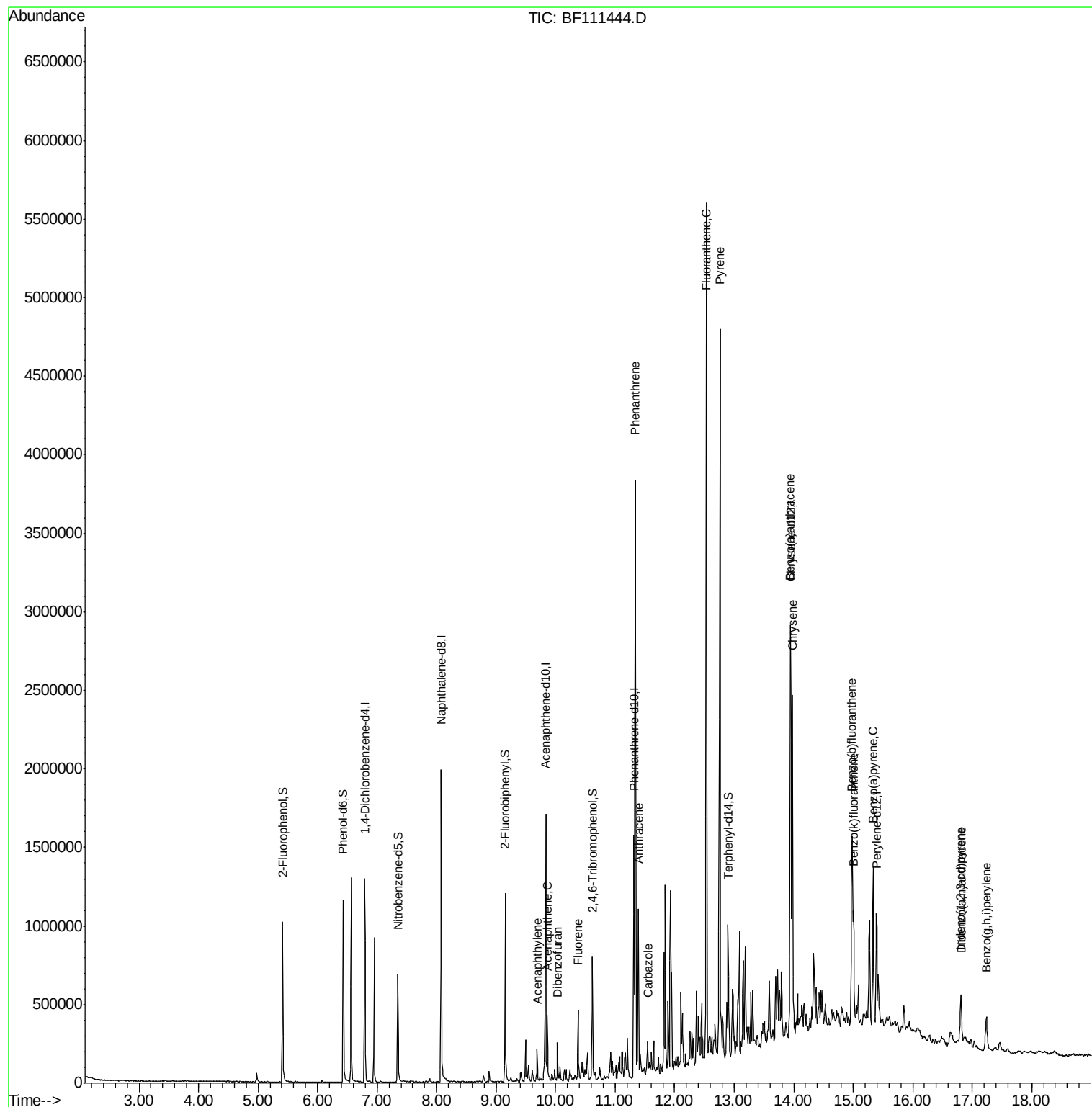
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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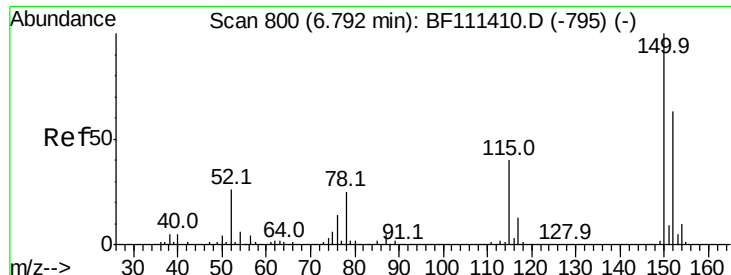
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#1

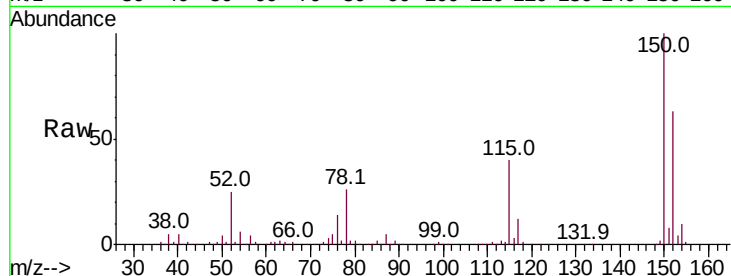
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampled :
TP-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.6	189.8
115	63.5	50.7	76.1

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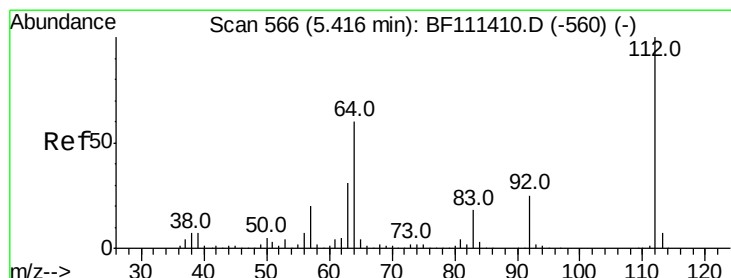
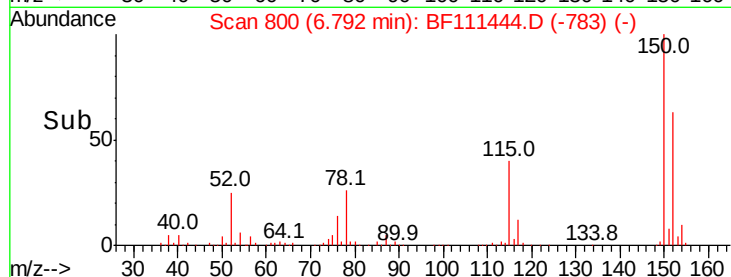
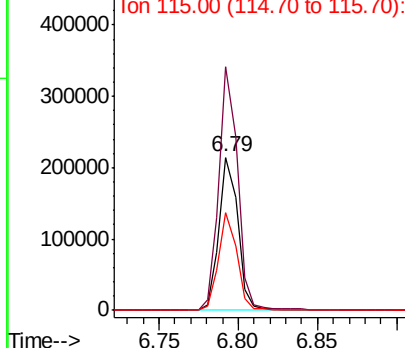


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

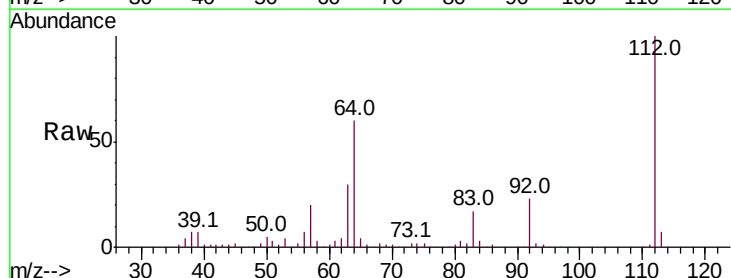
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.447 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	51.8	77.6
63	30.1	26.8	40.2

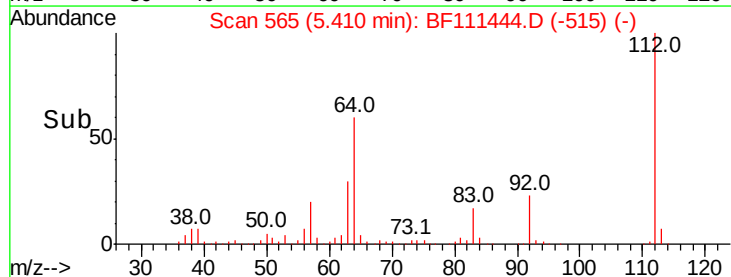
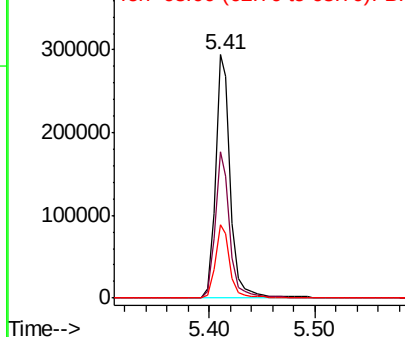


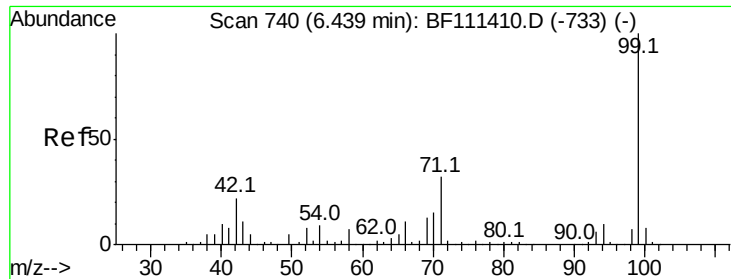
Abundance

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: 26.107 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Instrument :

BNA_F

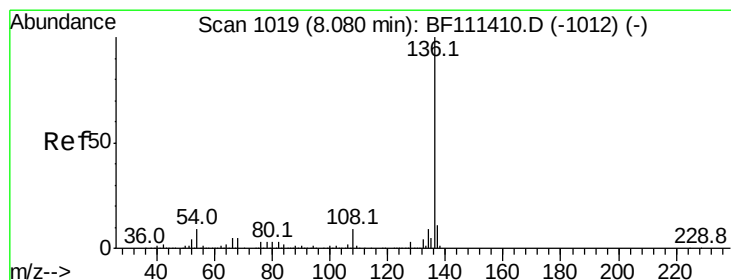
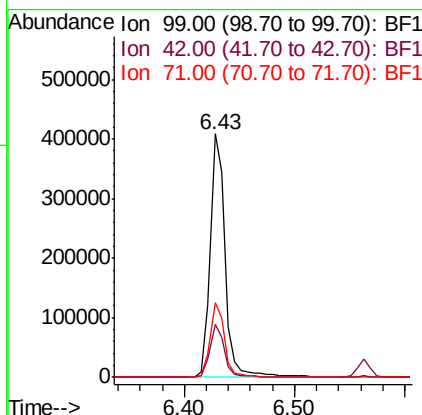
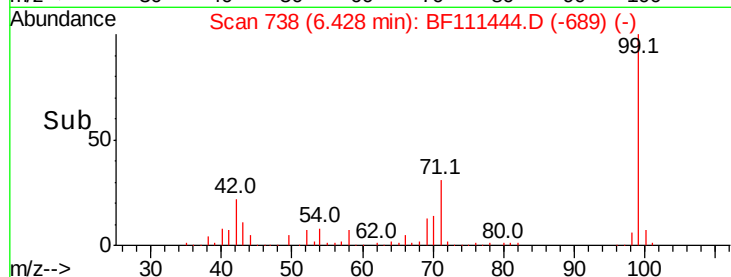
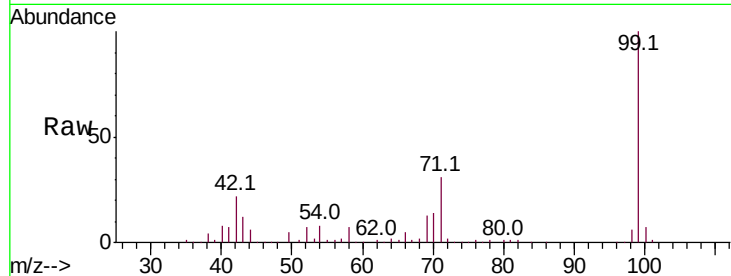
ClientSampled :

TP-5DL

Tot Ion:	99	Resp:	374955
Ion Ratio	Lower	Upper	
99	100		
42	21.9	17.4	26.0
71	30.9	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

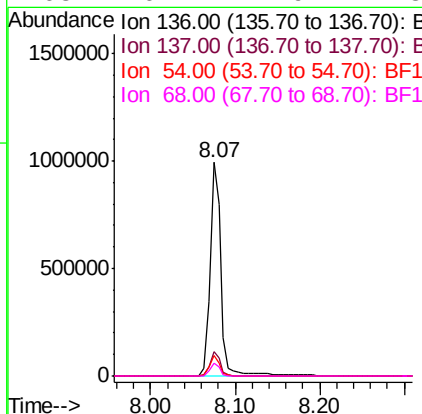
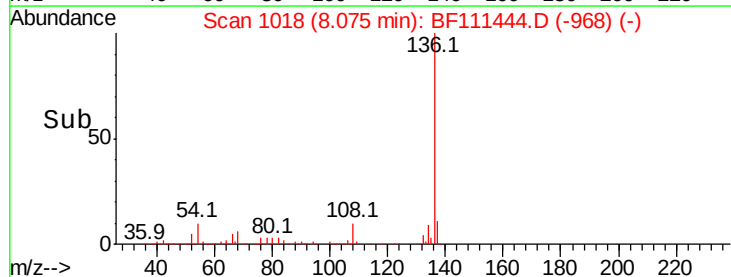
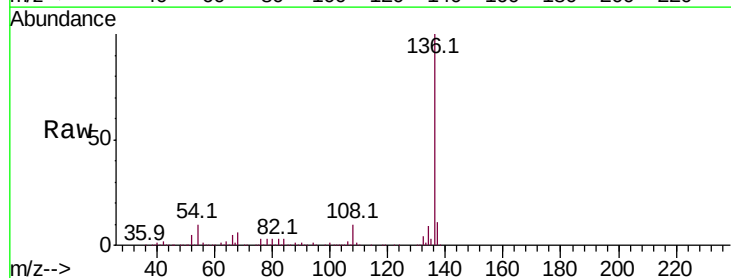
RT: 8.07 min Scan# 1018

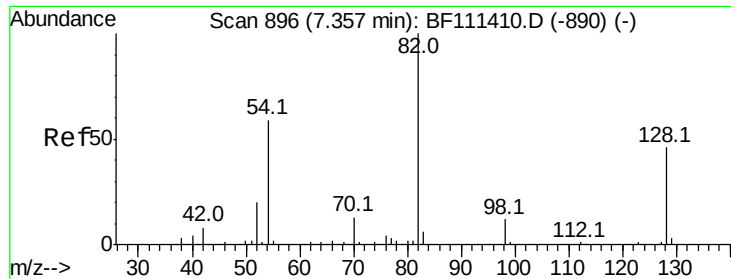
Delta R.T. -0.01 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Tgt Ion:	136	Resp:	906113
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	9.7	7.7	11.5
68	6.2	4.9	7.3





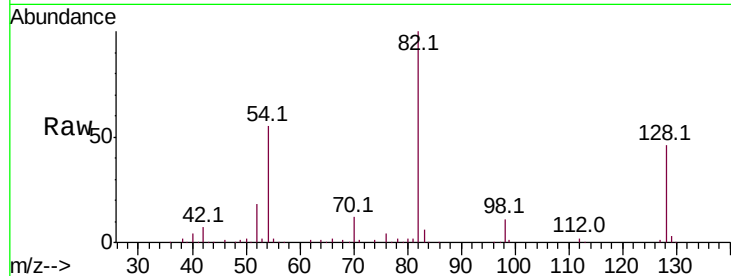
#23
Nitrobenzene-d5
Concen: 14.091 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampled :
TP-5DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.4	56.2
54	55.0	47.6	71.4

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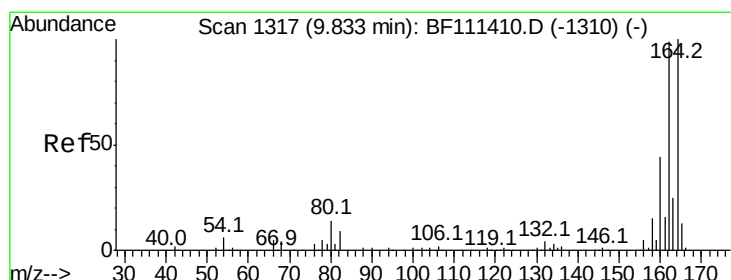
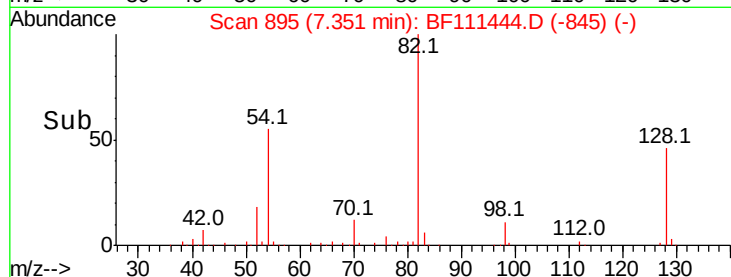
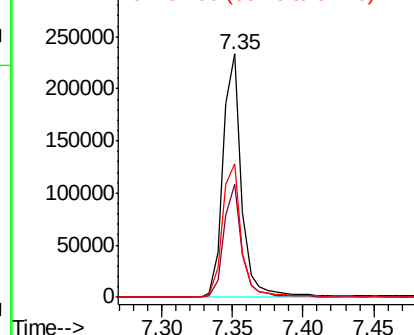


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

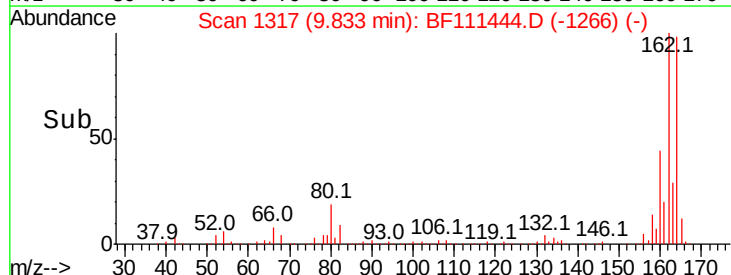
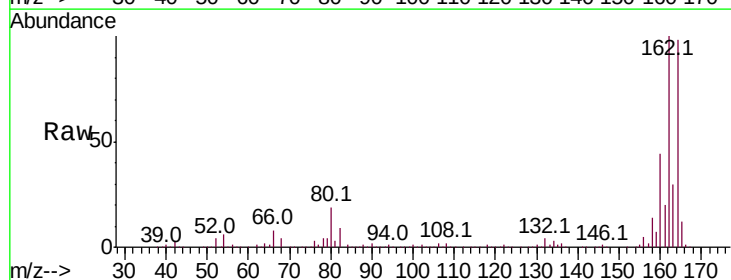
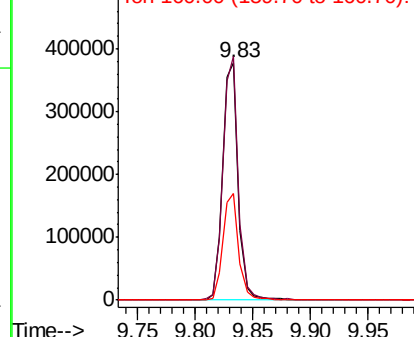
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.0
160	44.8	35.7	53.5

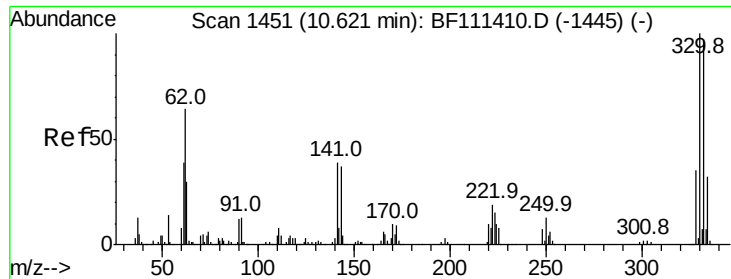
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





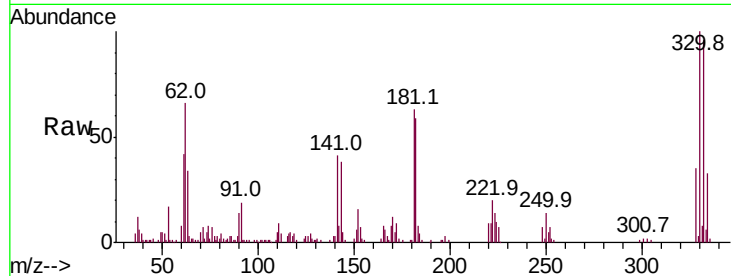
#42
 2,4,6-Tribromophenol
 Concen: 21.515 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111444.D
 Acq: 15 Dec 2018 3:26

Instrument :
 BNA_F
 ClientSampled :
 TP-5DL

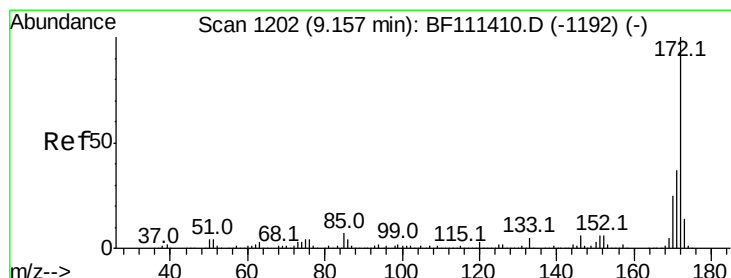
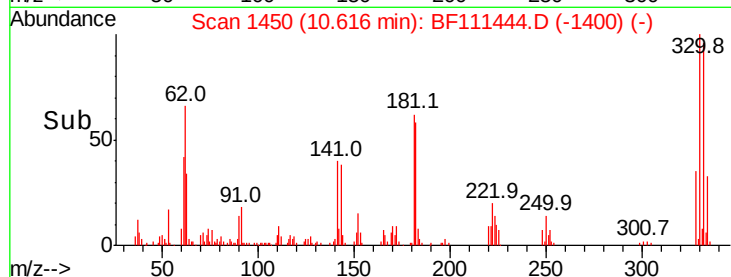
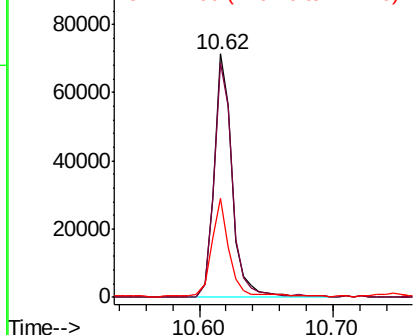
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.0	114.0
141	42.7	31.0	46.6

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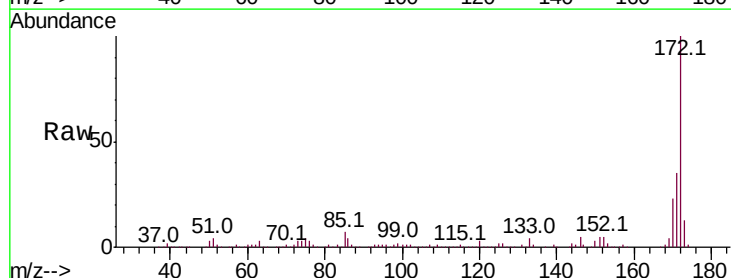


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

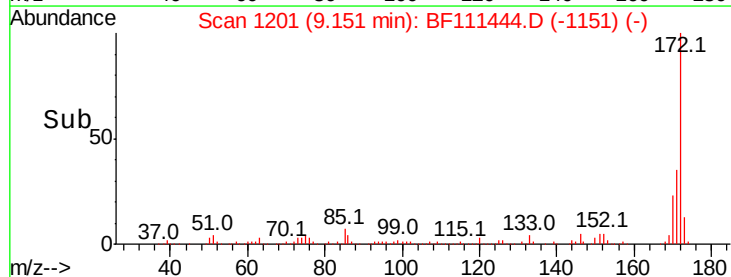
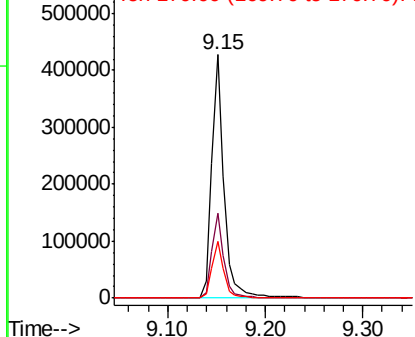


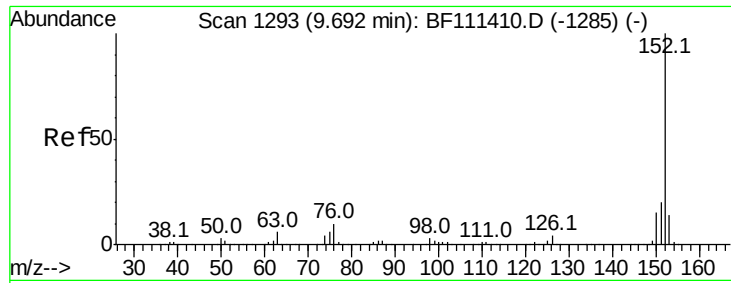
#45
 2-Fluorobiphenyl
 Concen: 16.291 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111444.D
 Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	33.0	49.4
170	23.2	22.3	33.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.282 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Instrument :

BNA_F

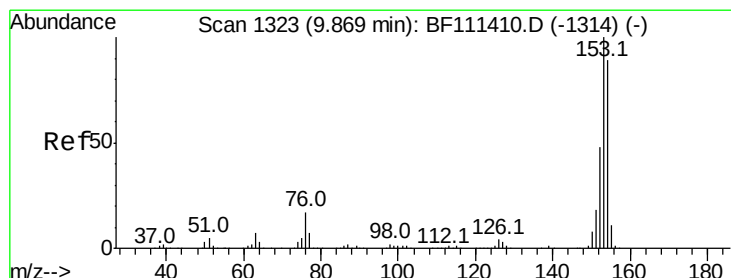
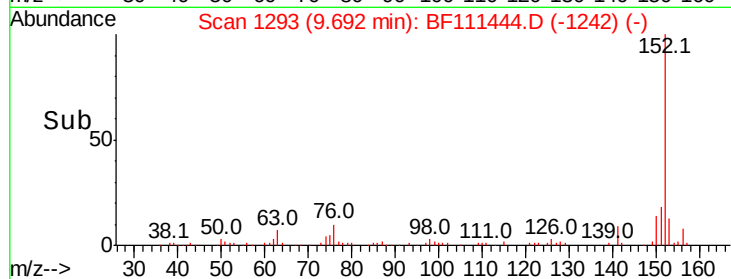
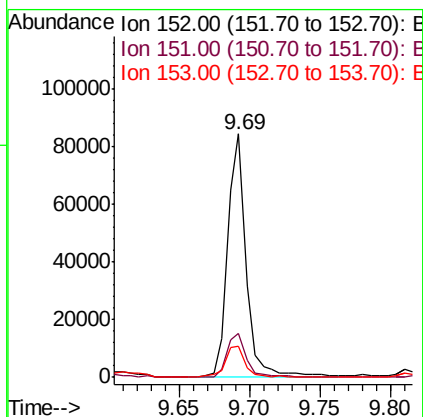
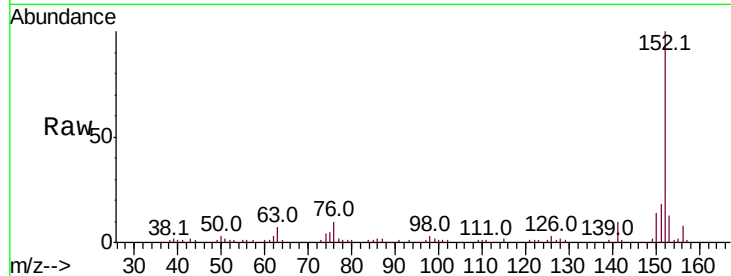
ClientSampled :

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Tot Ion:	152	Resp:	77538
Ion Ratio	Lower	Upper	
152	100		
151	18.2	18.0	27.0
153	12.5	12.3	18.5

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#52

Acenaphthene

Concen: 3.789 ng

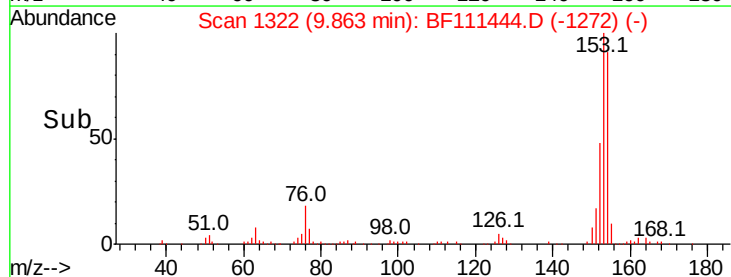
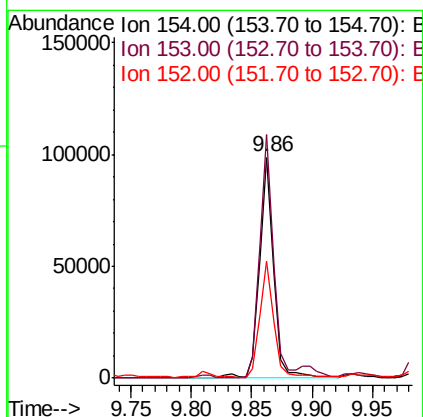
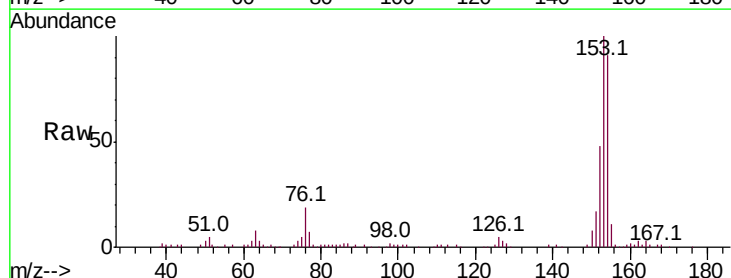
RT: 9.86 min Scan# 1322

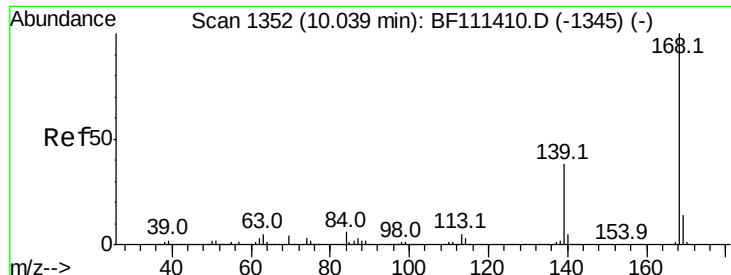
Delta R.T. -0.01 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Tgt Ion:	154	Resp:	81353
Ion Ratio	Lower	Upper	
154	100		
153	110.1	87.8	131.8
152	53.1	43.4	65.2





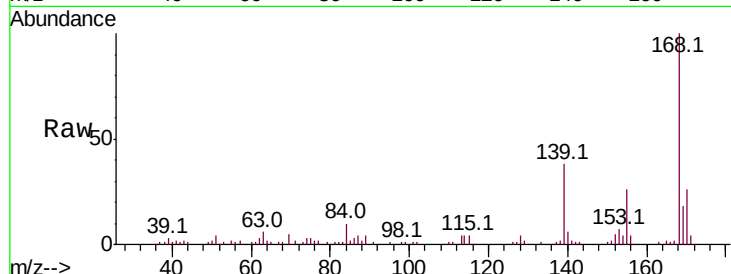
#55
Dibenzenofuran
Concen: 2.170 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampleId :
TP-5DL

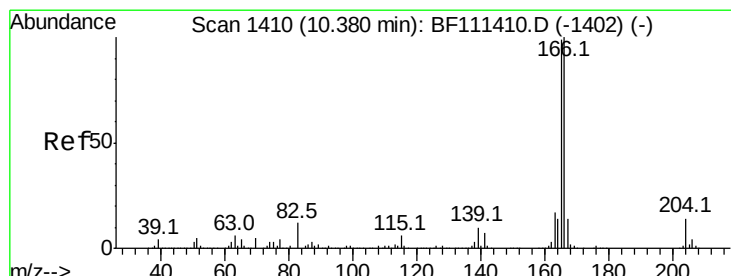
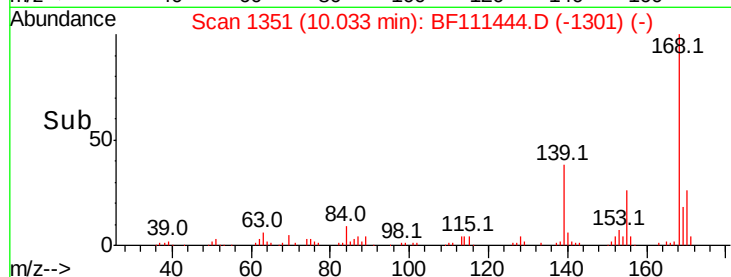
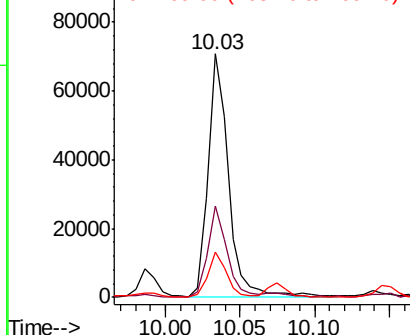
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	32.6	49.0
169	18.4	11.8	17.6

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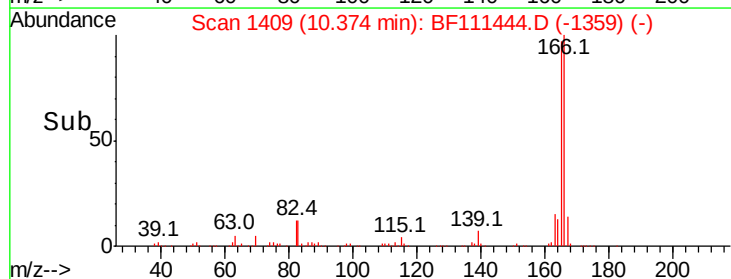
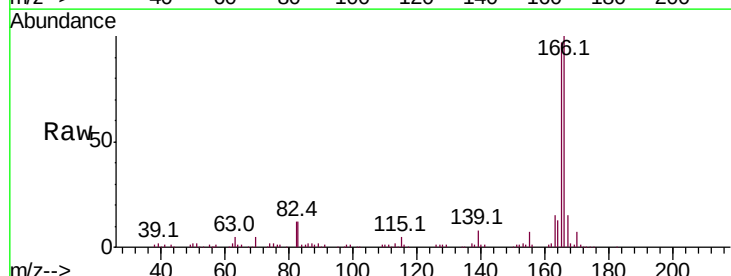
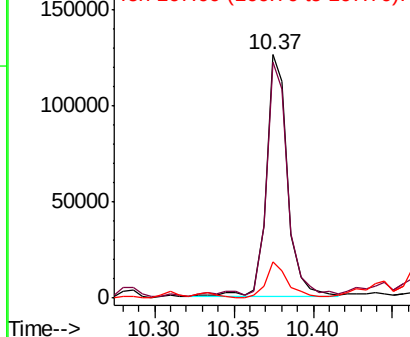
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

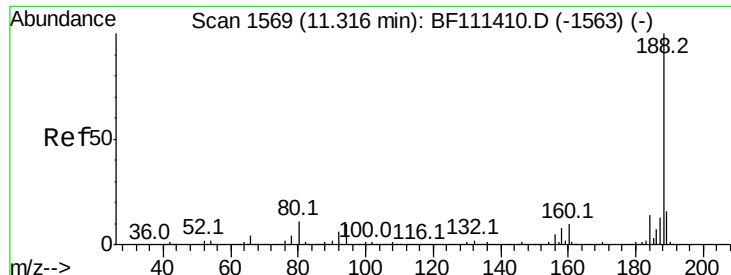


#58
Fluorene
Concen: 5.307 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.4	117.6
167	14.9	11.2	16.8

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: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Instrument :

BNA_F

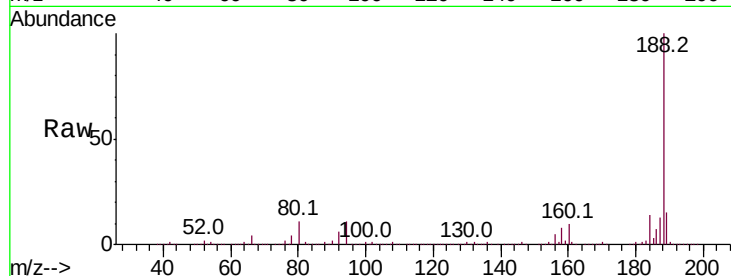
ClientSampled :

TP-5DL

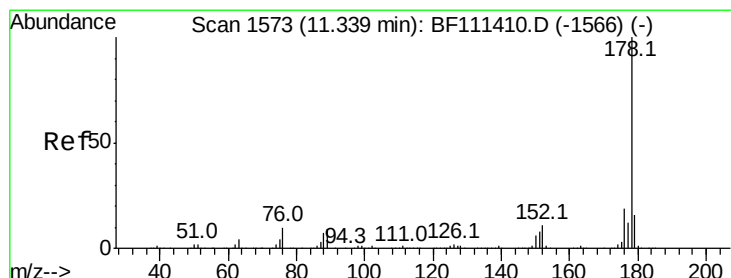
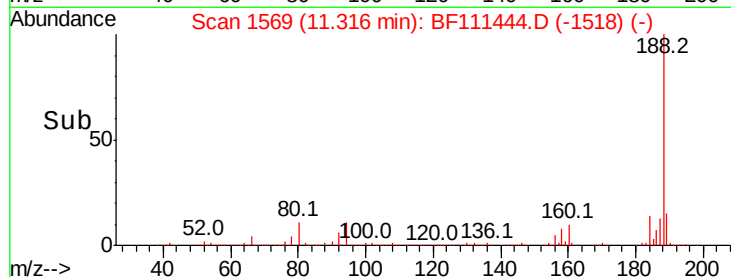
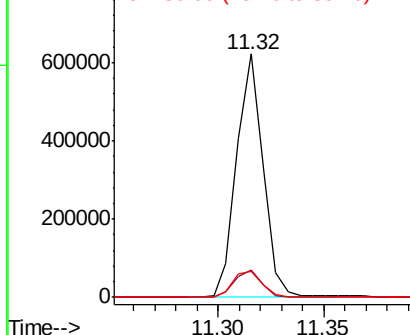
Tot Ion:	188	Resp:	540963
Ion Ratio	Lower	Upper	
188	100		
94	11.4	9.6	14.4
80	10.8	9.8	14.6

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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: 50.192 ng

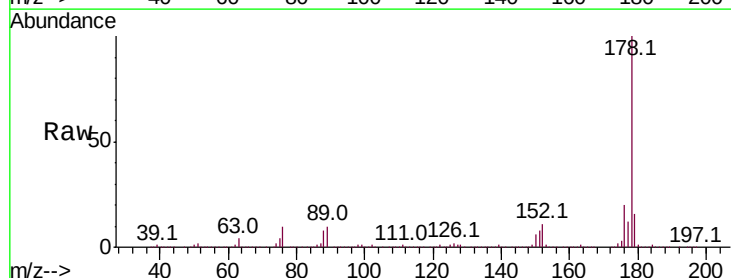
RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

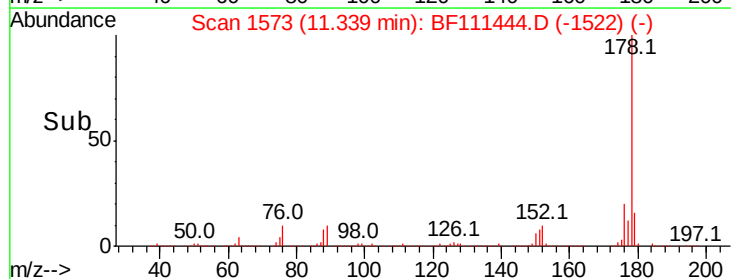
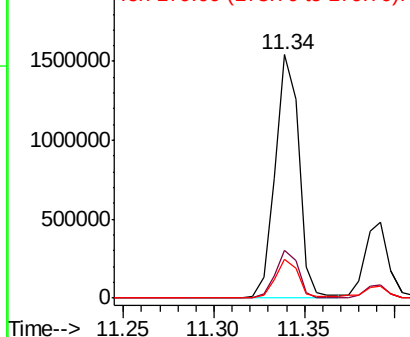
Lab File: BF111444.D

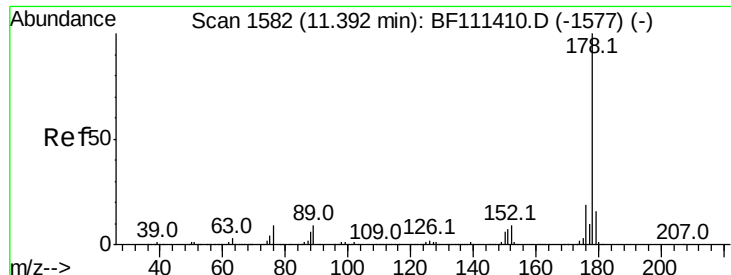
Acq: 15 Dec 2018 3:26

Tgt Ion:	178	Resp:	1399100
Ion Ratio	Lower	Upper	
178	100		
176	19.8	18.1	27.1
179	15.9	14.0	21.0



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





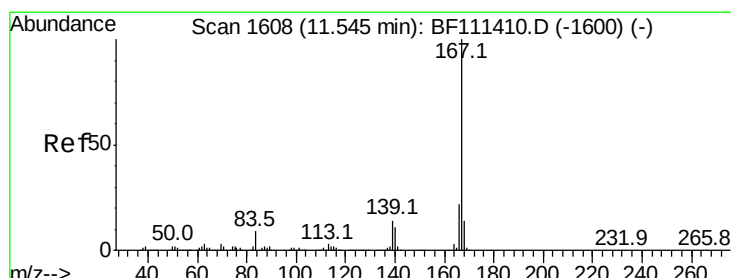
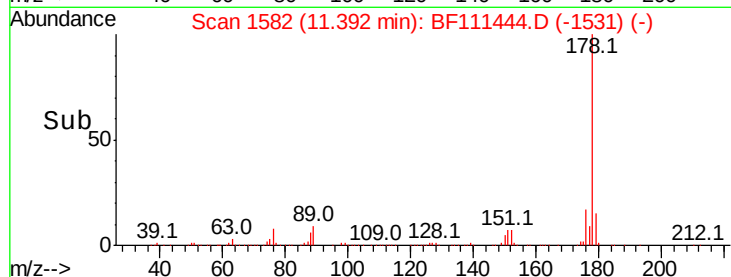
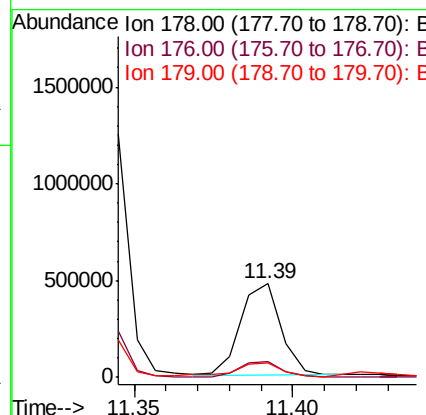
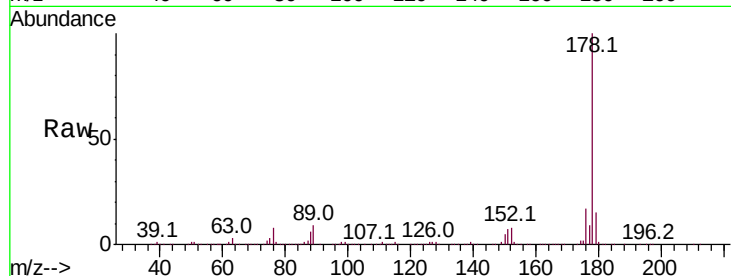
#72
 Anthracene
 Concen: 14.806 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF111444.D
 Acq: 15 Dec 2018 3:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	17.2	25.8
179	15.1	13.8	20.8

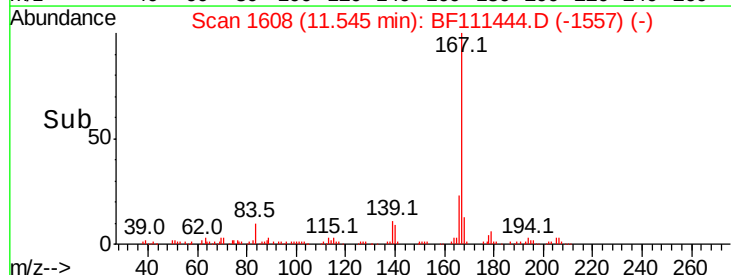
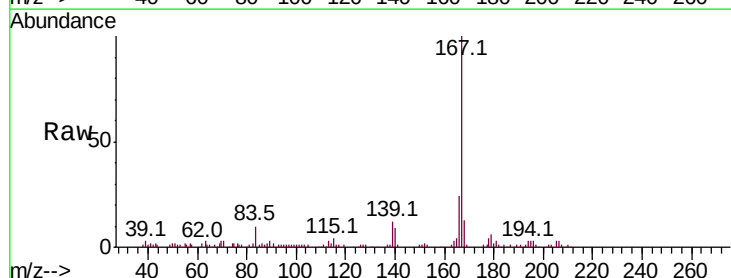
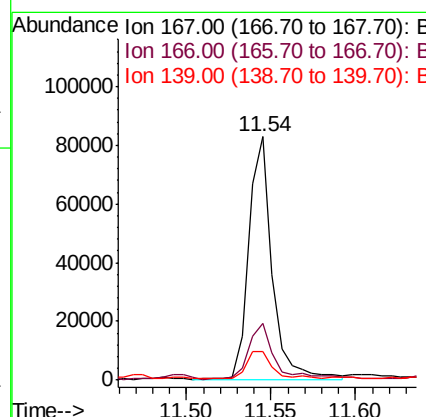
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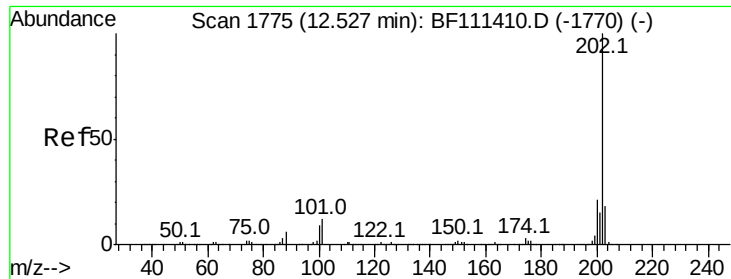
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#73
 Carbazole
 Concen: 2.696 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF111444.D
 Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	19.3	28.9
139	11.6	11.9	17.9#





#75

Fluoranthene

Concen: 78.162 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Instrument :

BNA_F

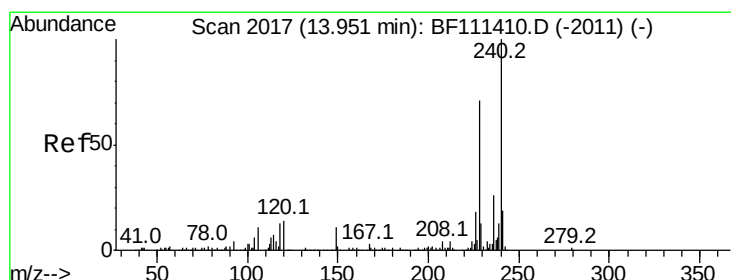
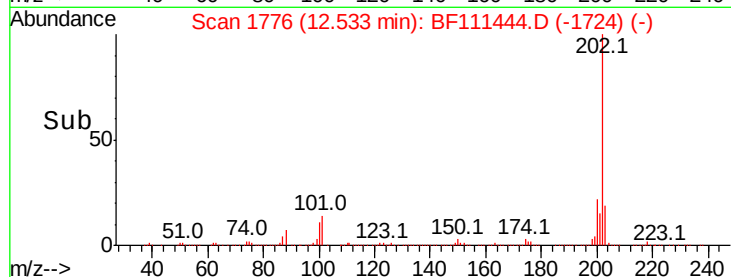
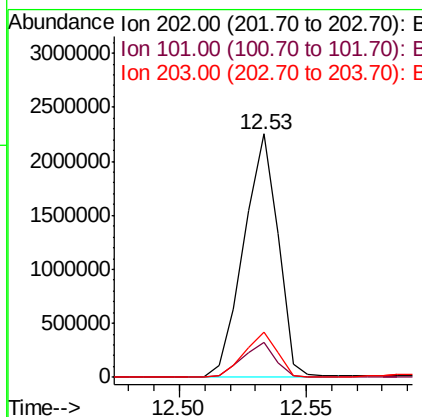
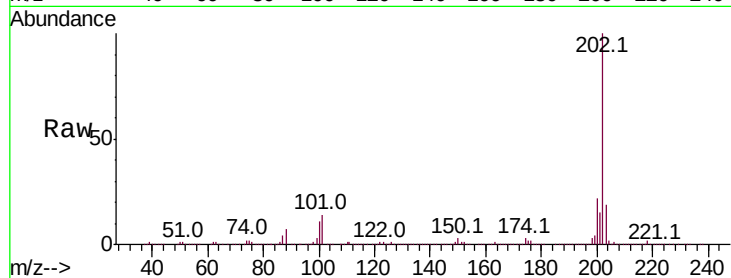
ClientSampleId :

TP-5DL

Tot Ion:	202	Resp:	2131457
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.8
203	18.6	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

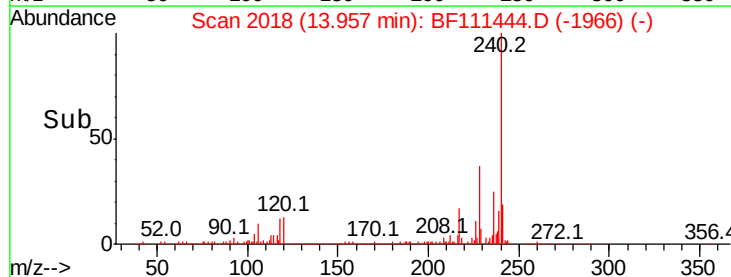
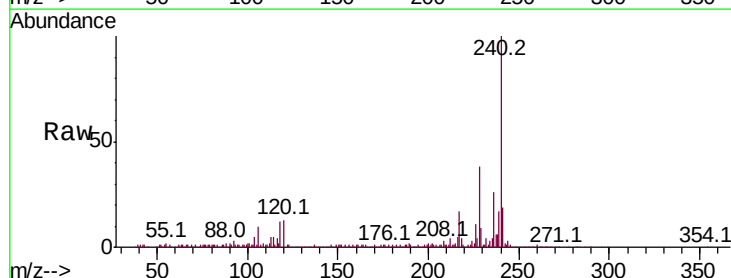
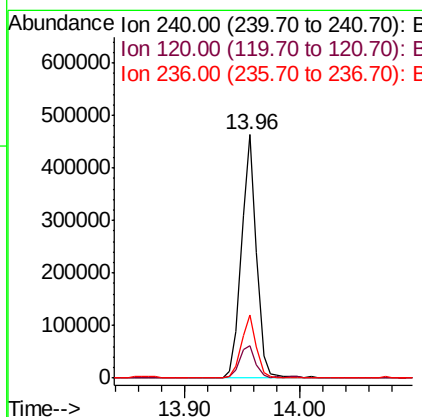
RT: 13.96 min Scan# 2018

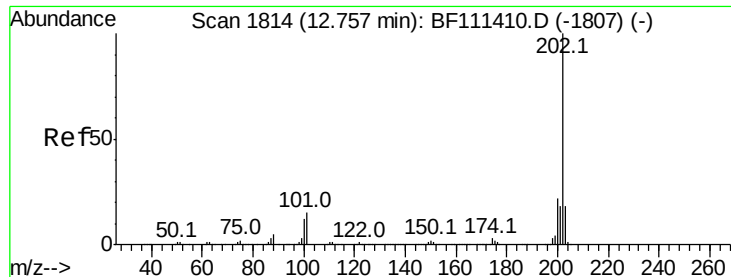
Delta R.T. 0.01 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Tgt Ion:	240	Resp:	419069
Ion	Ratio	Lower	Upper
240	100		
120	13.2	12.2	18.2
236	25.8	20.2	30.2





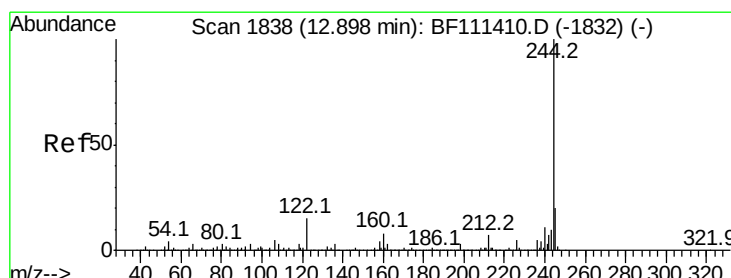
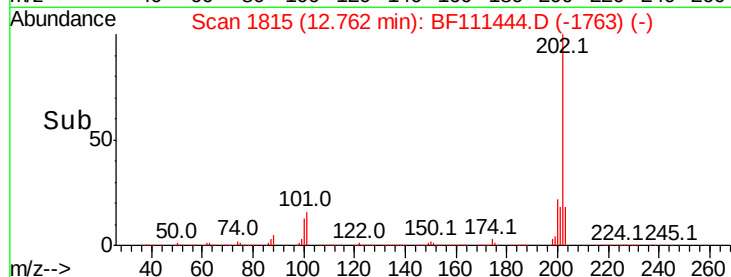
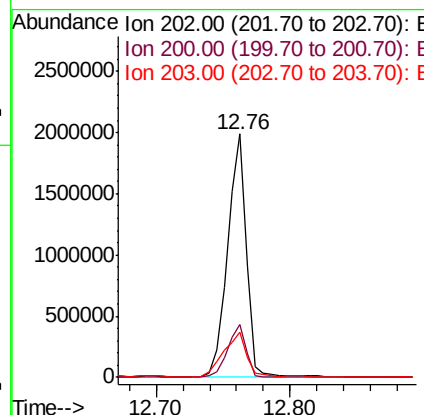
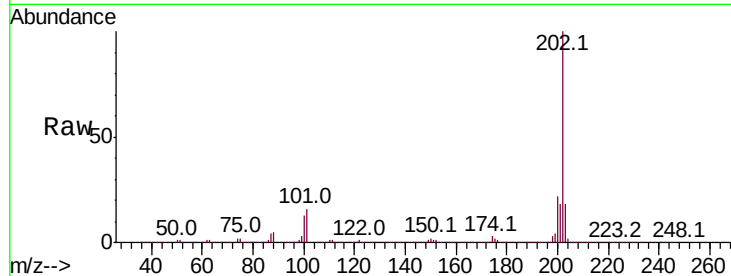
#78
Pvrene
Concen: 66.889 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampled :
TP-5DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.4
203	18.4	15.2	22.8

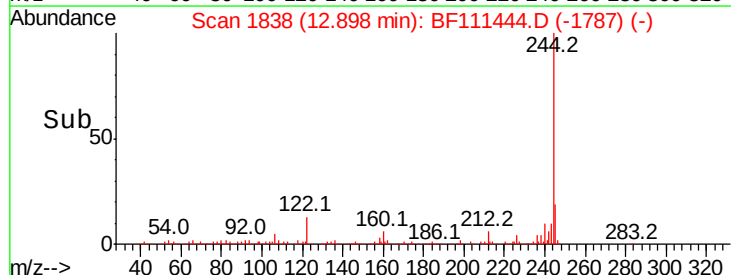
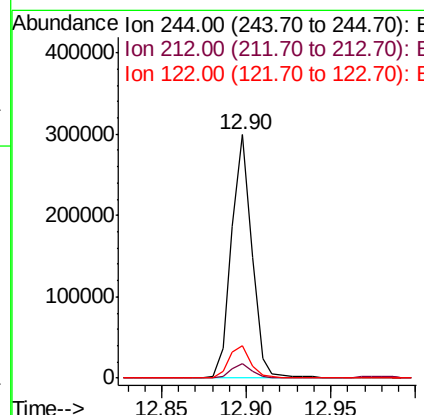
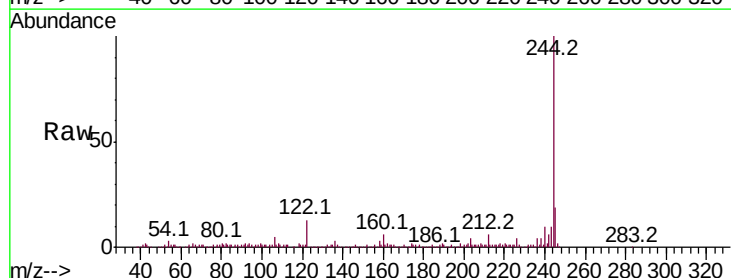
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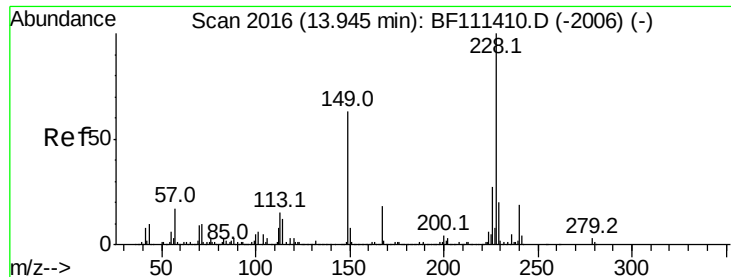
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#79
Terphenyl-d14
Concen: 14.131 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.7	8.5
122	13.3	13.1	19.7





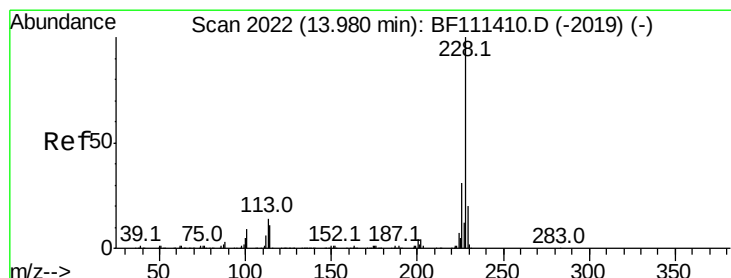
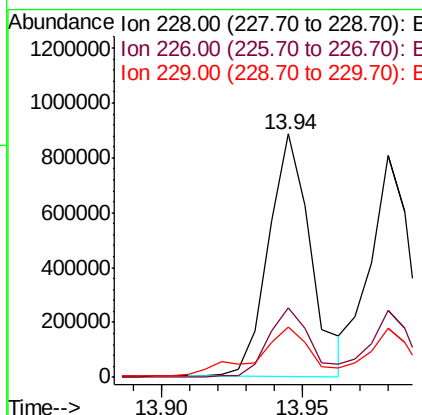
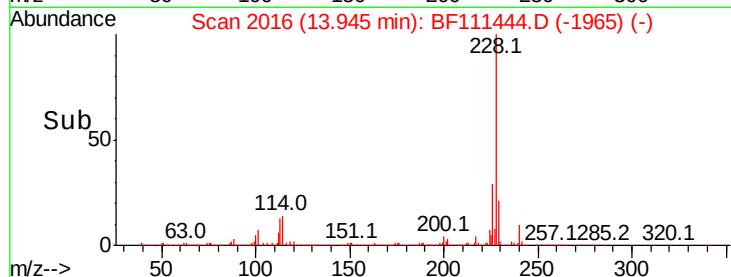
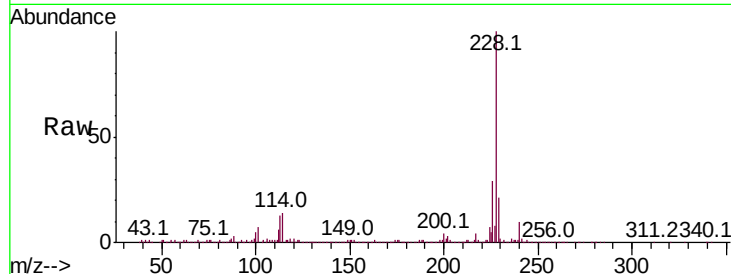
#81
Benzo(a)anthracene
Concen: 40.134 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampled :
TP-5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	34.0
229	20.9	16.3	24.5

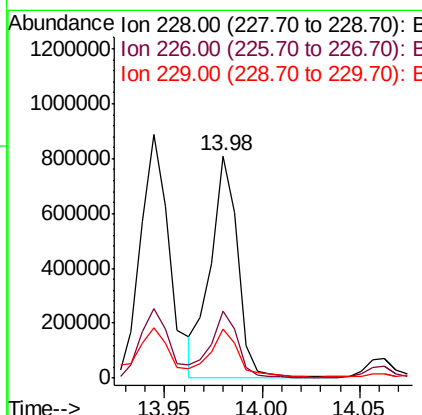
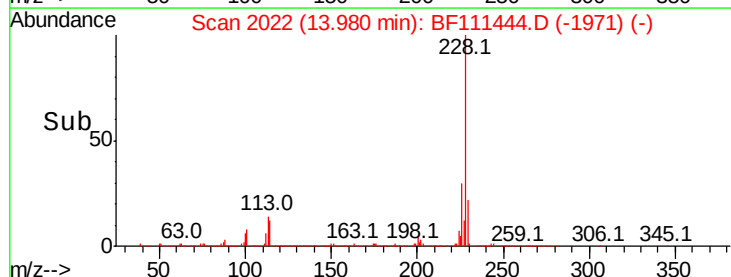
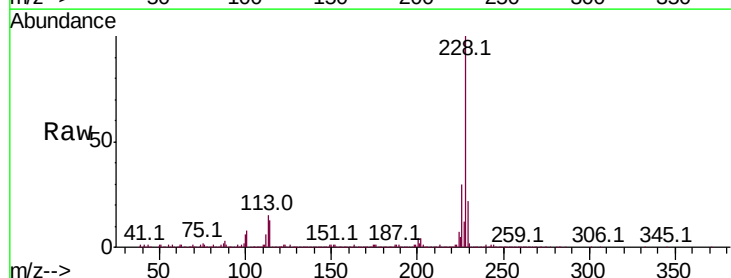
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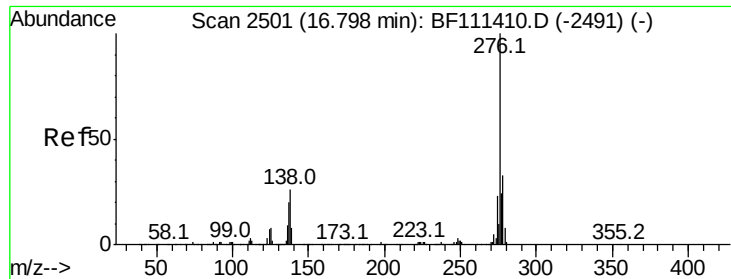
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#83
Chrysene
Concen: 32.384 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.3	37.9
229	21.9	17.2	25.8





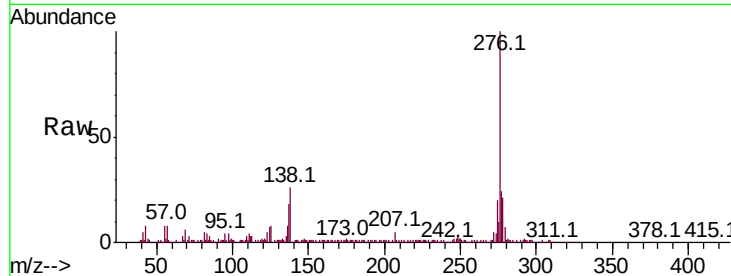
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.678 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampleId :
TP-5DL

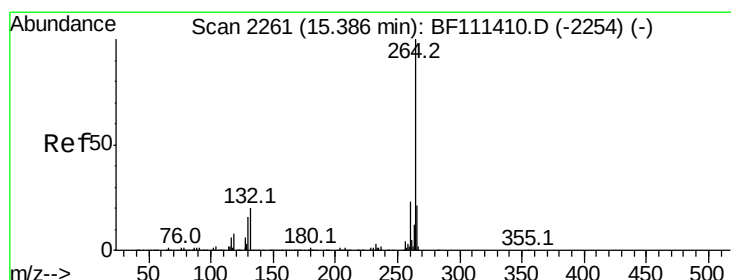
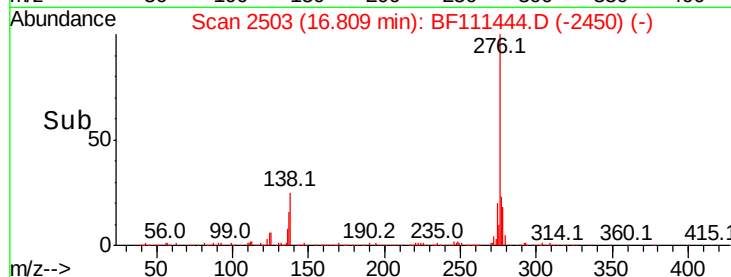
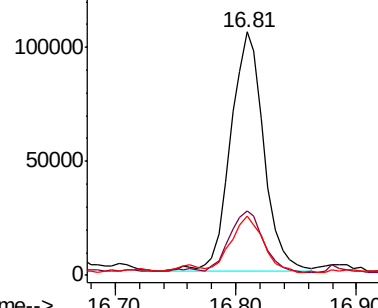
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	27.8	41.6#
277	22.6	20.1	30.1

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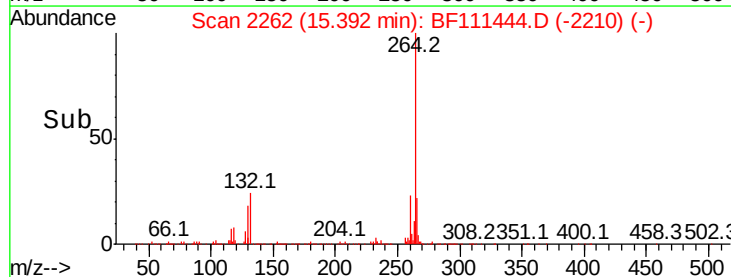
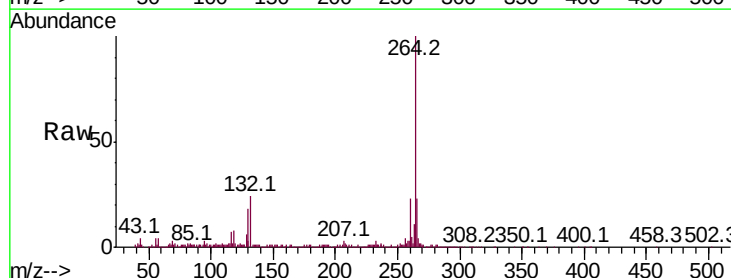
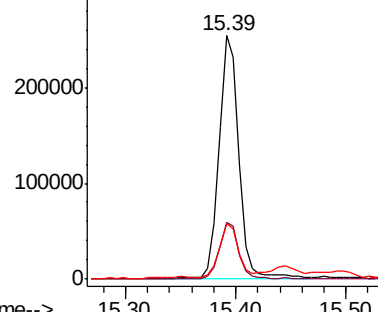
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

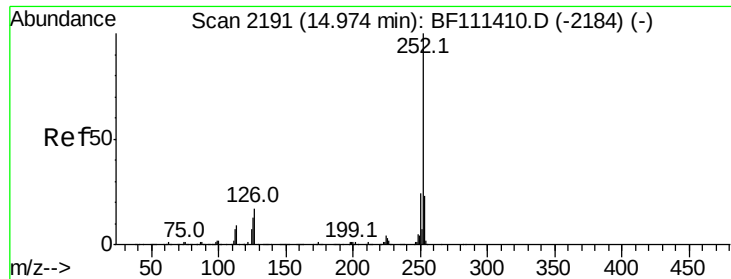


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	22.6	17.7	26.5

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: 37.043 ng m

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111444.D

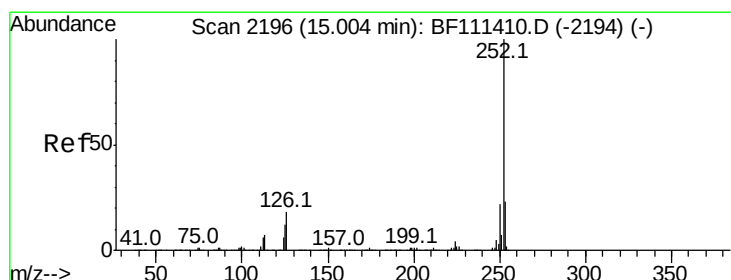
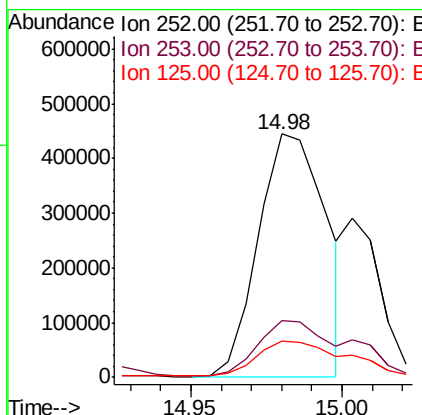
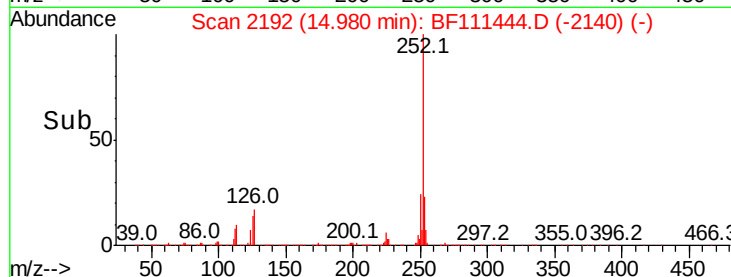
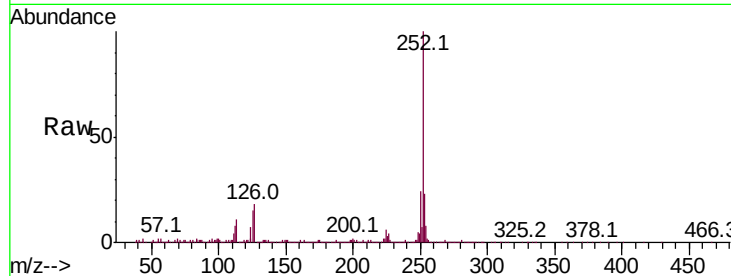
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampled :
TP-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	14.6	10.4	15.6

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#89

Benzo(k)fluoranthene

Concen: 13.687 ng m

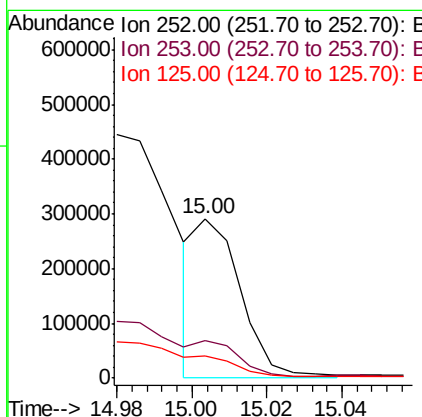
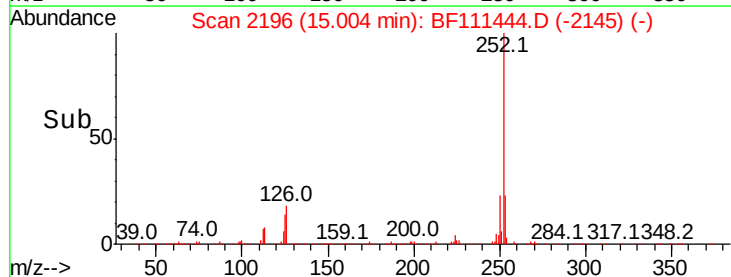
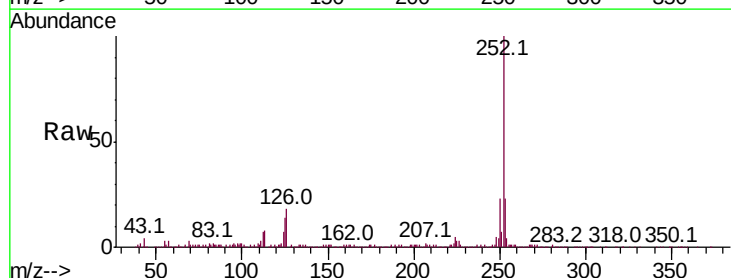
RT: 15.00 min Scan# 2196

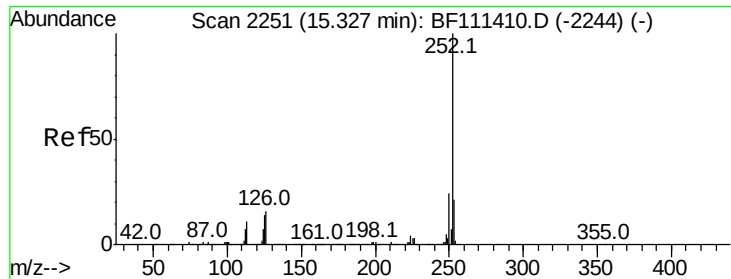
Delta R.T. -0.00 min

Lab File: BF111444.D

Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	14.2	9.8	14.8





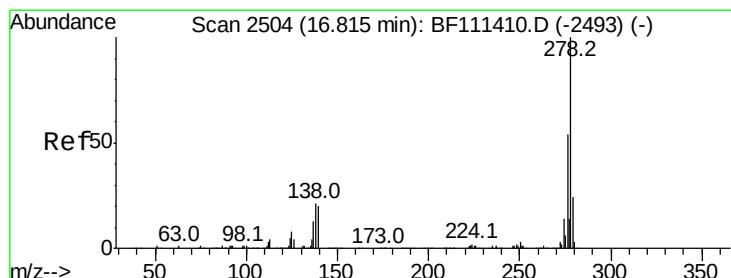
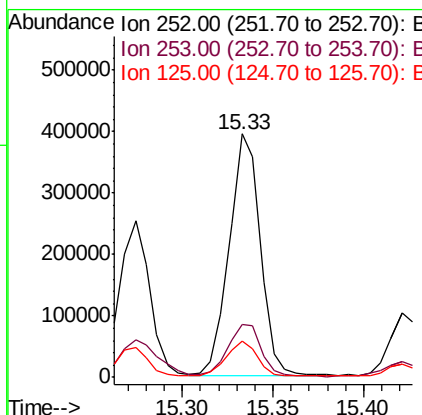
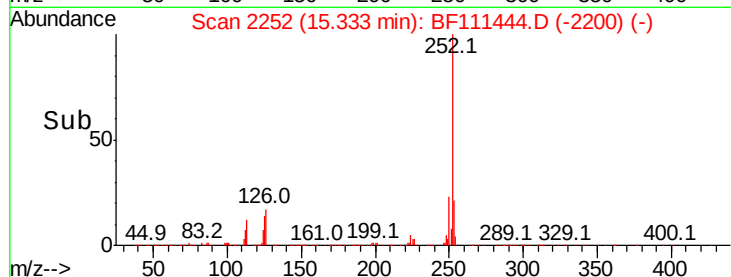
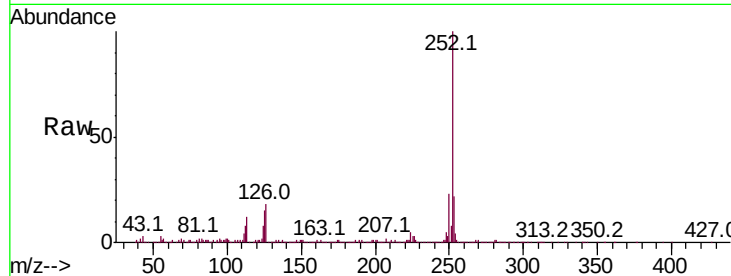
#90
Benzo(a)pyrene
Concen: 28.266 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Instrument :
BNA_F
ClientSampled :
TP-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	14.7	12.3	18.5

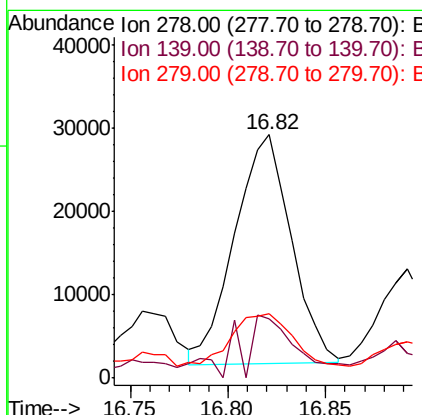
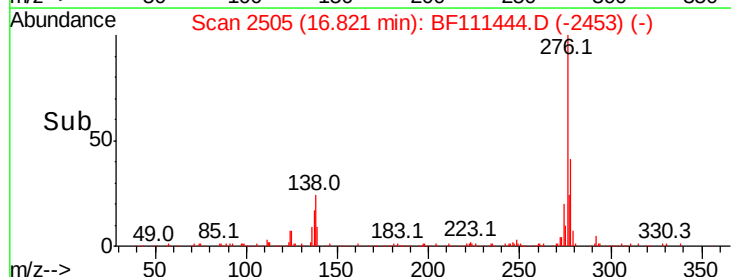
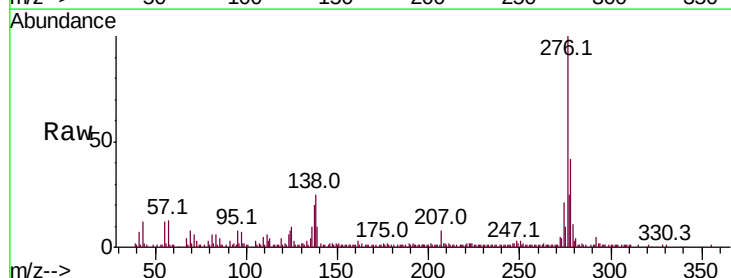
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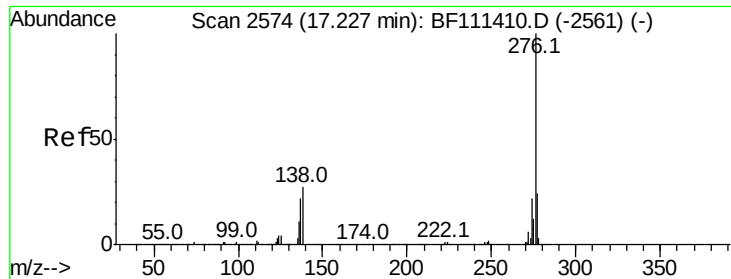
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#91
Dibenzo(a,h)anthracene
Concen: 4.187 ng
RT: 16.82 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BF111444.D
Acq: 15 Dec 2018 3:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	18.2	27.4
279	26.5	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 12.600 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. 0.01 min
 Lab File: BF111444.D
 Acq: 15 Dec 2018 3:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	24.8	24.9	37.3

Manual Integrations
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