

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051819\
 Data File : BF114423.D
 Acq On : 19 May 2019 6:42
 Operator : JU/SJ
 Sample : K2854-02DL 4X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)DL

Manual Integrations
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Quant Time: May 20 09:01:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	265582	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	932224	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	379523	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	606837	20.00	ng	0.00
76) Chrysene-d12	14.01	240	381740	20.00	ng	-0.01
87) Perylene-d12	15.49	264	417196	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	453922	27.50	ng	-0.02
7) Phenol-d6	6.47	99	624351	31.99	ng	-0.02
23) Nitrobenzene-d5	7.40	82	362200	21.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	84755	21.60	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	563785	22.47	ng	-0.02
79) Terphenyl-d14	12.94	244	387150	20.91	ng	-0.02
Target Compounds						
31) Naphthalene	8.14	128	271203	6.228	ng	Qvalue 97
37) 2-Methylnaphthalene	8.83	142	775354	27.597	ng	97
38) 1-Methylnaphthalene	8.93	142	552058	20.865	ng	100
50) Dimethylphthalate	9.58	163	74924	2.689	ng	# 45
52) Acenaphthene	9.90	154	397017	17.239	ng	98
58) Fluorene	10.42	166	431095	16.527	ng	# 97
71) Phenanthrene	11.39	178	2336977	79.157	ng	99
72) Anthracene	11.44	178	952697	32.127	ng	98
75) Fluoranthene	12.59	202	2610832	82.120	ng	97
78) Pyrene	12.82	202	2317470	75.465	ng	99
81) Benzo(a)anthracene	14.00	228	951381	38.532	ng	95
83) Chrysene	14.04	228	820957	33.918	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	193481	9.045	ng	97
88) Benzo(b)fluoranthene	15.06	252	814108m	30.459	ng	
89) Benzo(k)fluoranthene	15.08	252	249234m	10.151	ng	
90) Benzo(a)pyrene	15.42	252	534613	22.727	ng	# 91
91) Dibenzo(a,h)anthracene	16.96	278	55507	2.840	ng	# 53
92) Benzo(g,h,i)perylene	17.41	276	166850	8.518	ng	93

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

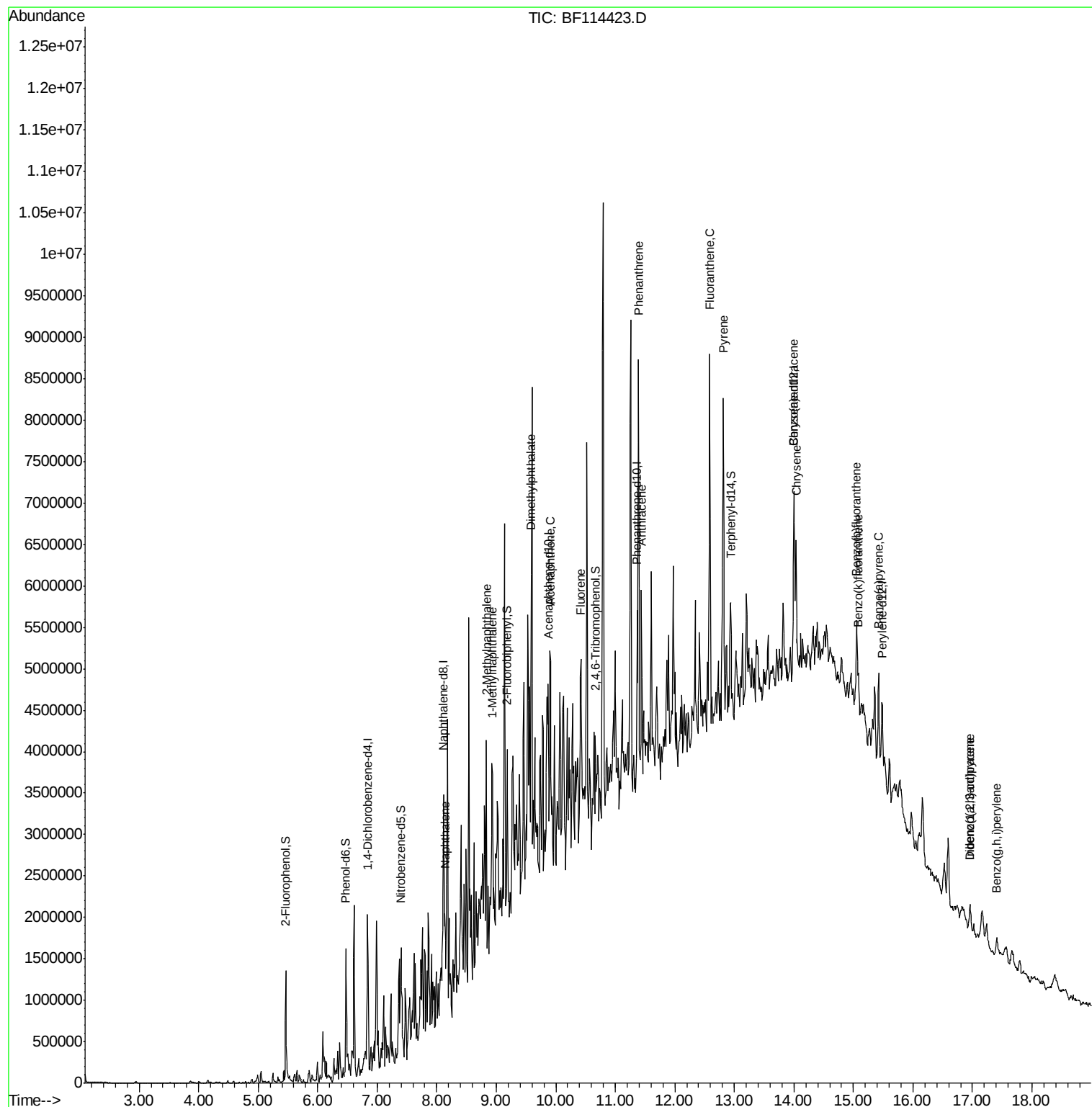
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051819\
Data File : BF114423.D
Acq On : 19 May 2019 6:42
Operator : JU/SJ
Sample : K2854-02DL 4X
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ALS Vial : 43 Sample Multiplier: 1

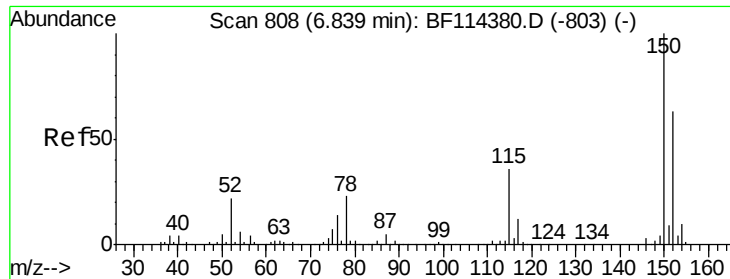
Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)DL

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Quant Time: May 20 09:01:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

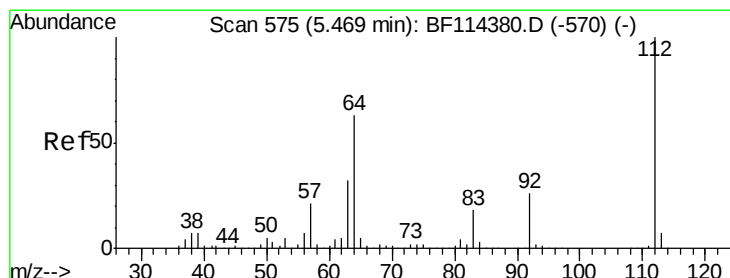
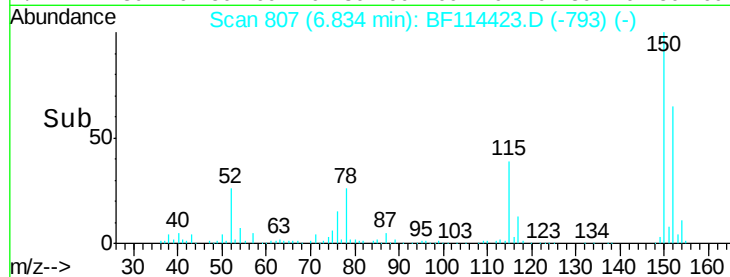
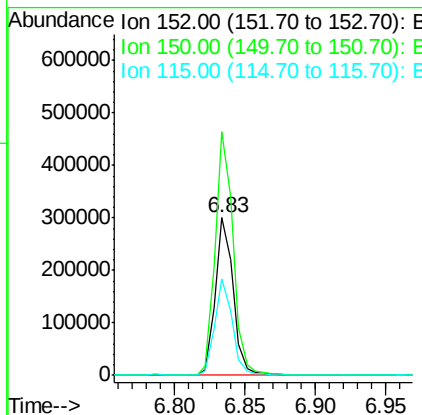
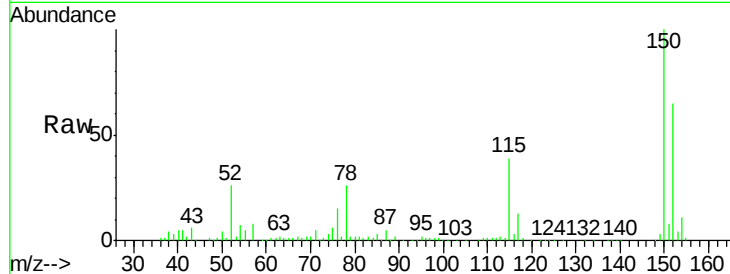
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	265582		
150	154.6	124.3	186.5	
115	60.8	49.1	73.7	

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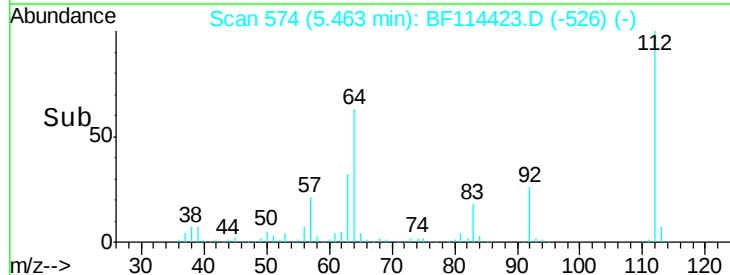
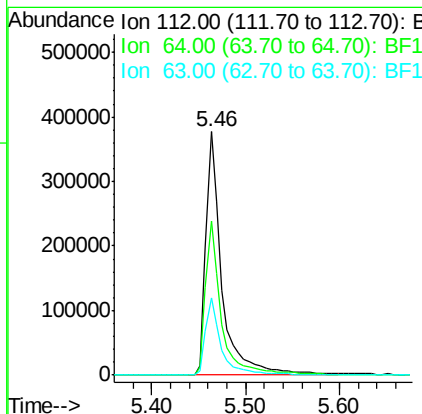
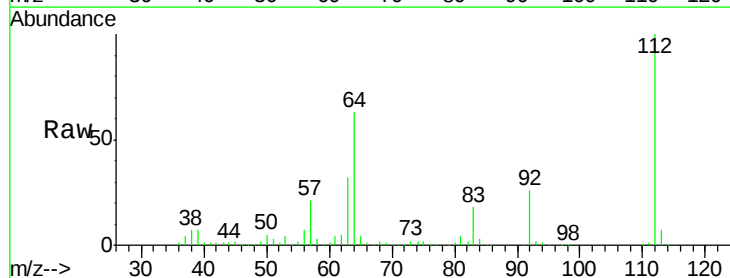
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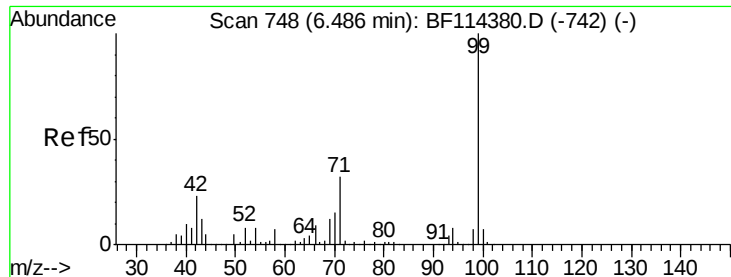


#5

2-Fluorophenol
Concen: 27.505 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	453922		
64	63.1	49.0	73.6	
63	31.7	24.6	37.0	





#7

Phenol-d6

Concen: 31.987 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

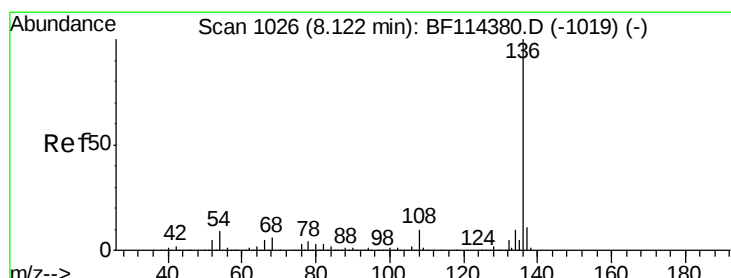
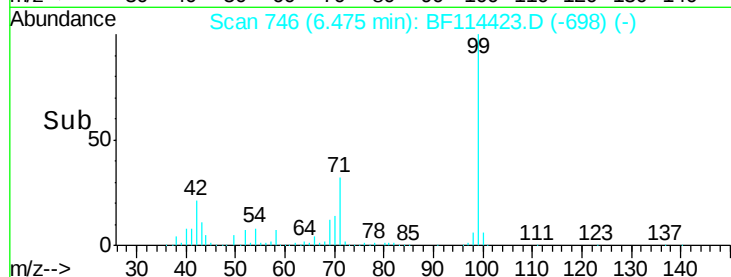
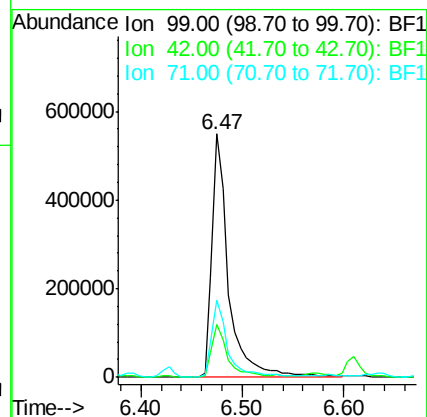
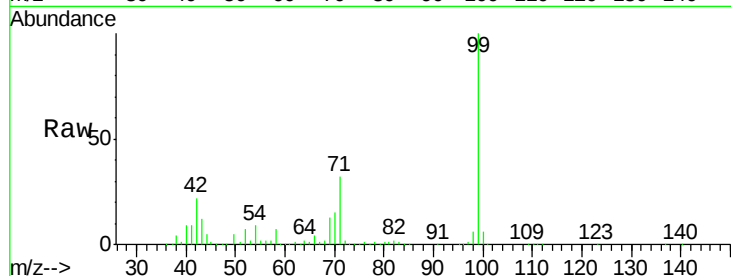
ClientSampled :

SB-03(25.5-26)DL

Tgt Ion:	99	Resp:	624351
Ion Ratio	Lower	Upper	
99	100		
42	21.7	17.9	26.9
71	31.9	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

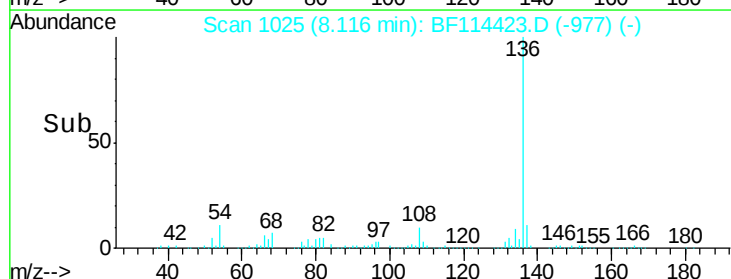
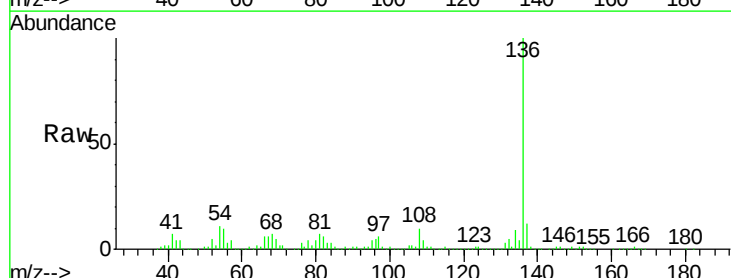
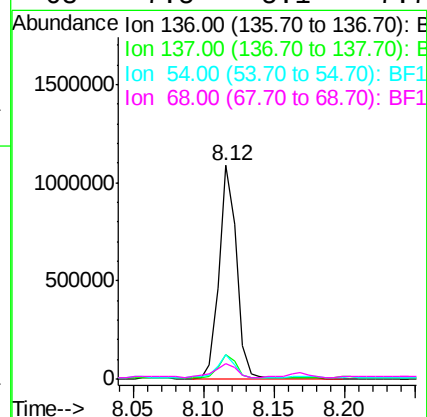
RT: 8.12 min Scan# 1025

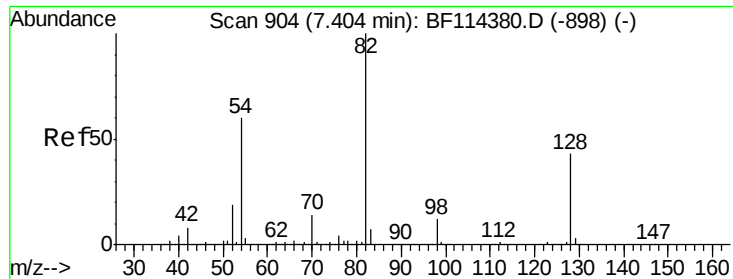
Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Tgt Ion:	136	Resp:	932224
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.8	13.2
54	11.3	7.8	11.8
68	7.5	5.1	7.7





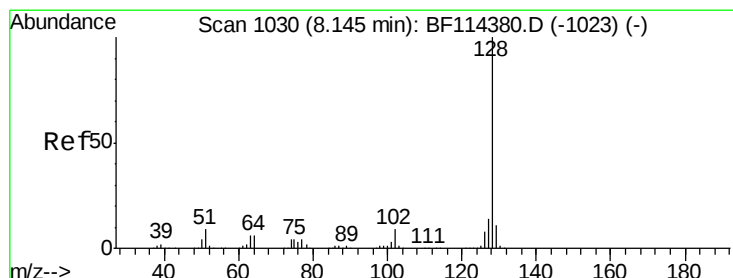
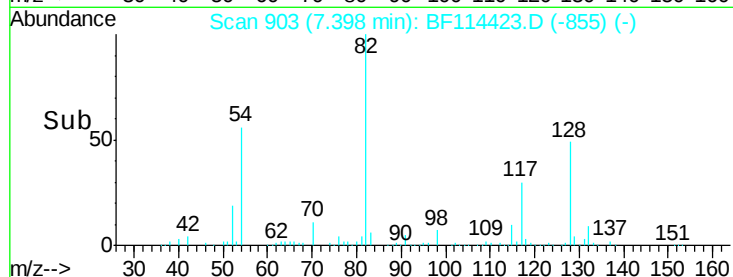
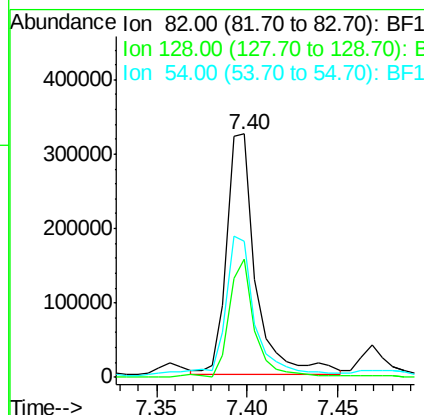
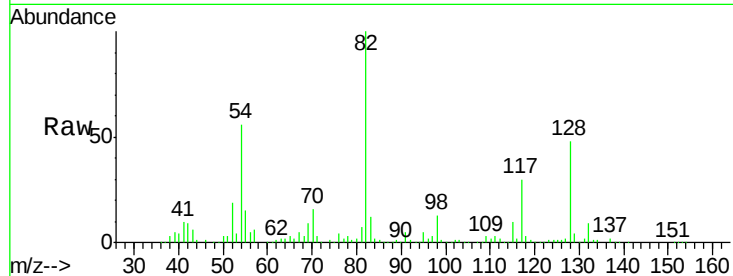
#23
Nitrobenzene-d5
Concen: 21.805 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	48.3	35.5	53.3
54	56.1	48.5	72.7

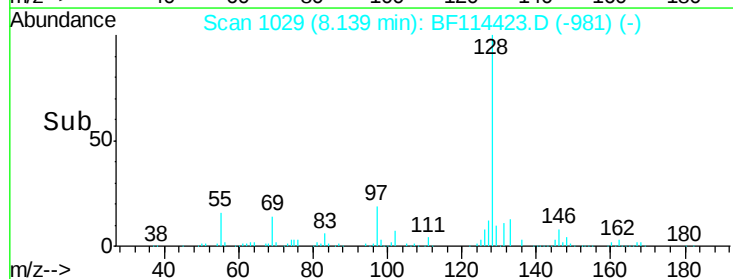
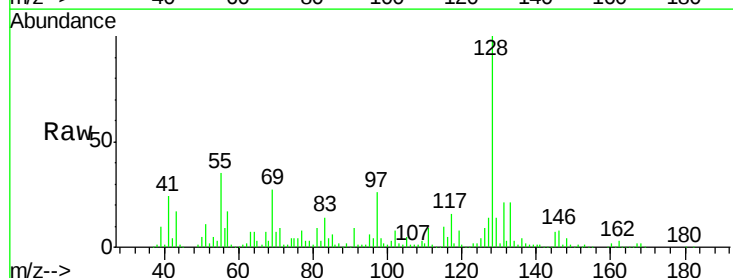
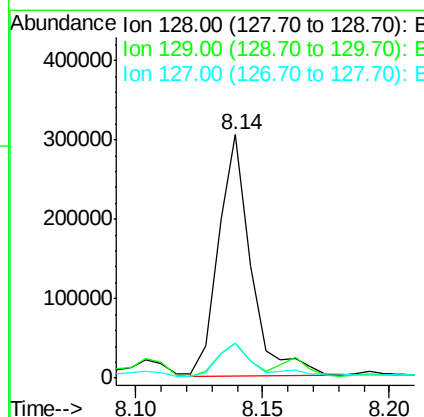
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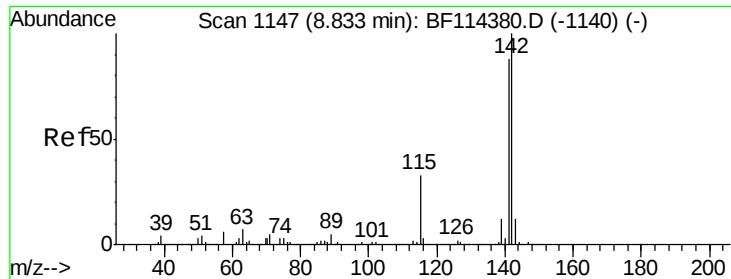
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#31
Naphthalene
Concen: 6.228 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	14.1	9.6	14.4
127	14.2	11.3	16.9





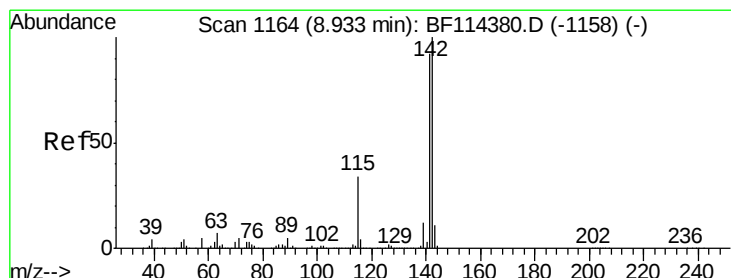
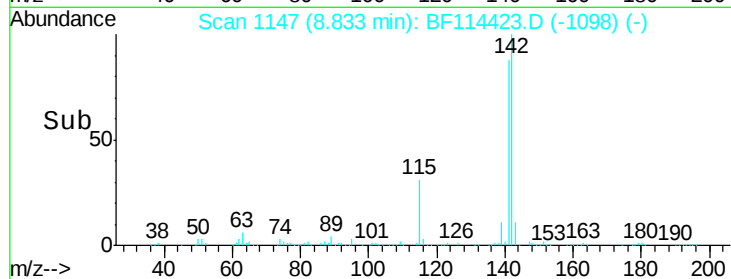
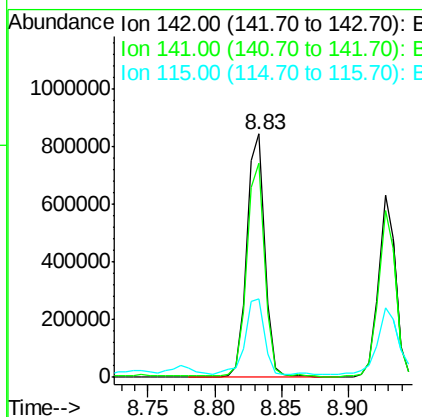
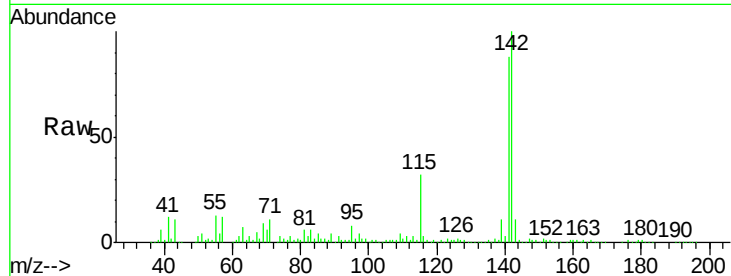
#37
 2-Methylnaphthalene
 Concen: 27.597 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	775354		
141	88.0	72.1	108.1	
115	32.0	28.0	42.0	

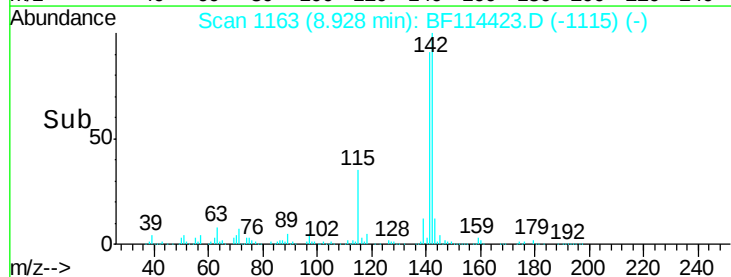
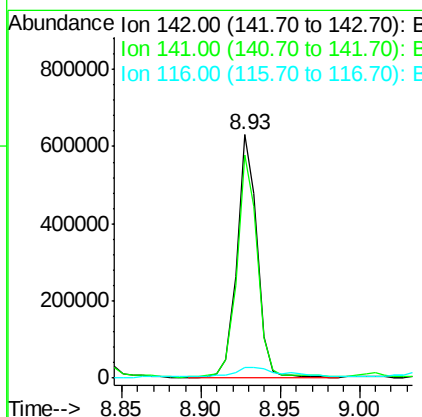
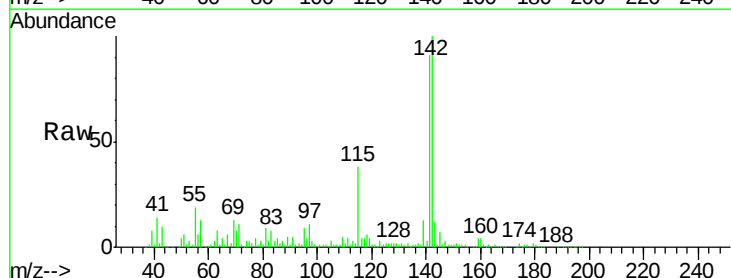
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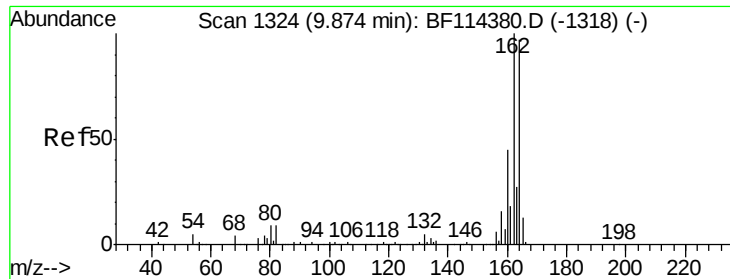
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#38
 1-Methylnaphthalene
 Concen: 20.865 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.02 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	552058		
141	91.4	73.4	110.0	
116	4.3	3.1	4.7	





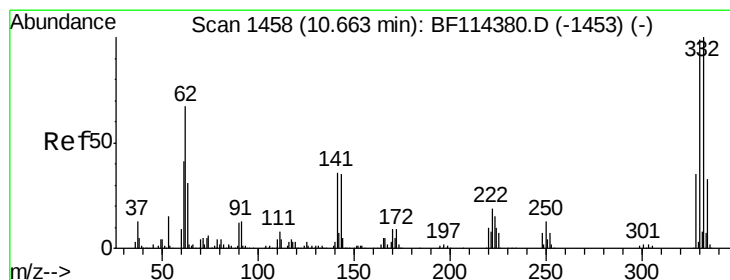
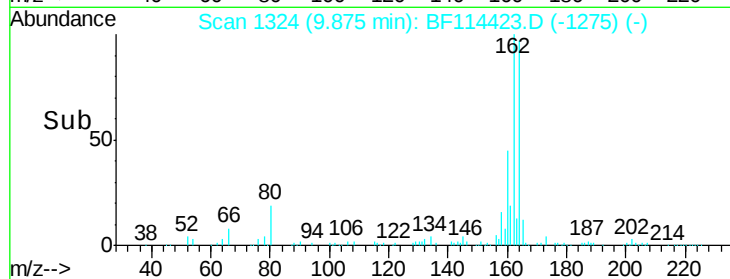
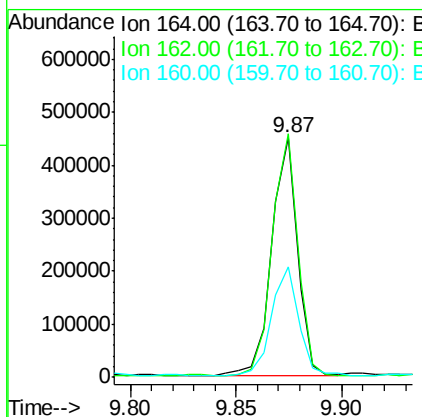
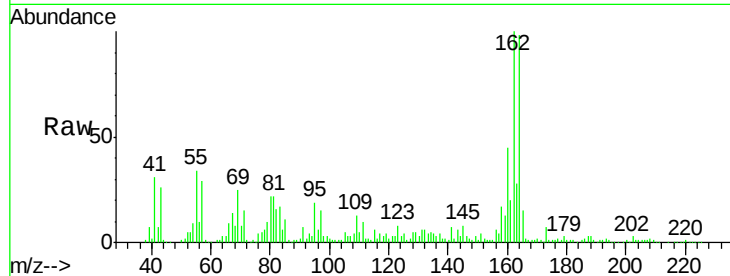
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	379523		
162	101.7	80.6	120.8	
160	46.1	36.5	54.7	

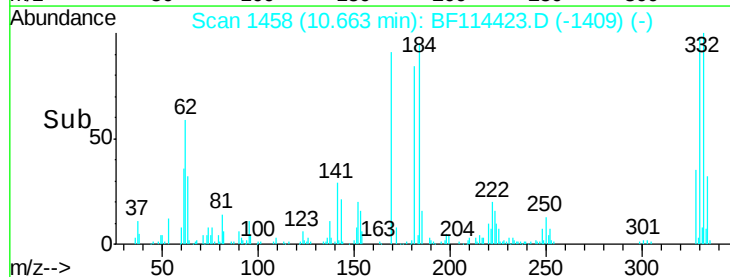
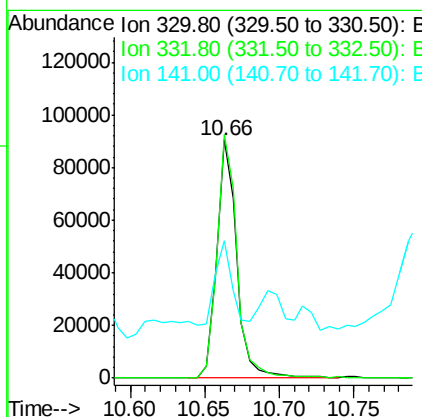
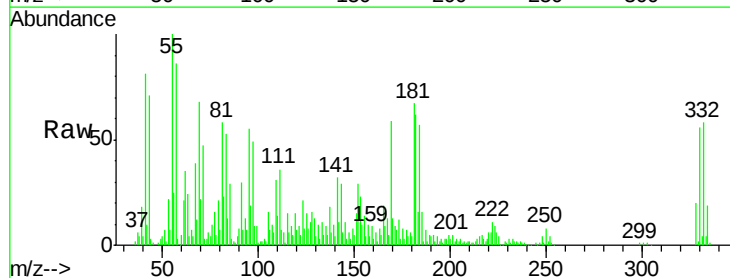
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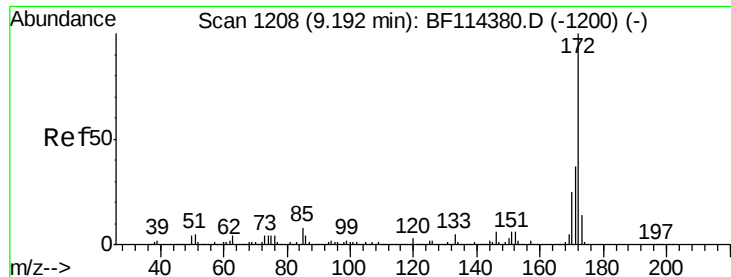
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#42
2,4,6-Tribromophenol
Concen: 21.601 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	84755		
332	102.9	81.4	122.2	
141	28.7	26.6	40.0	





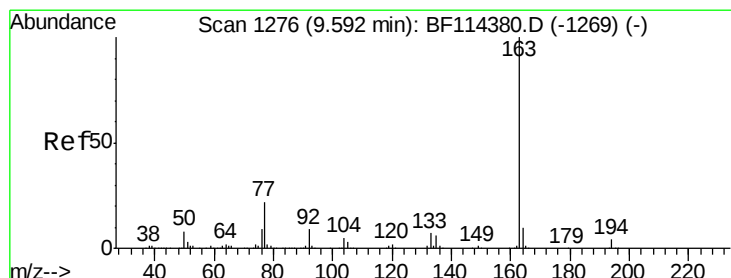
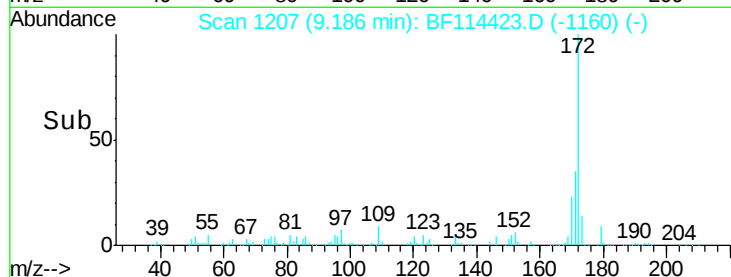
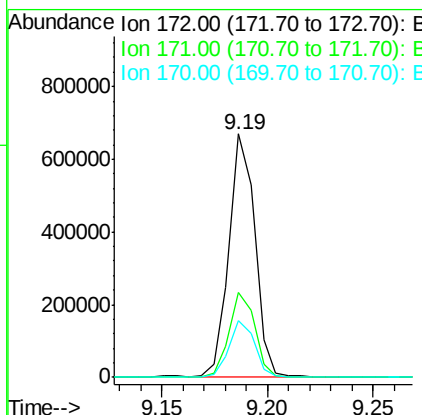
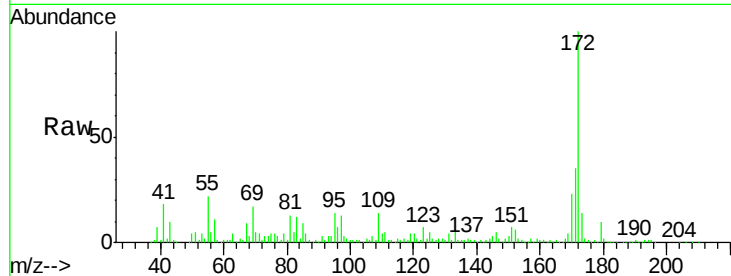
#45
 2-Fluorobiphenyl
 Concen: 22.471 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.0	30.7	46.1
170	23.1	20.5	30.7

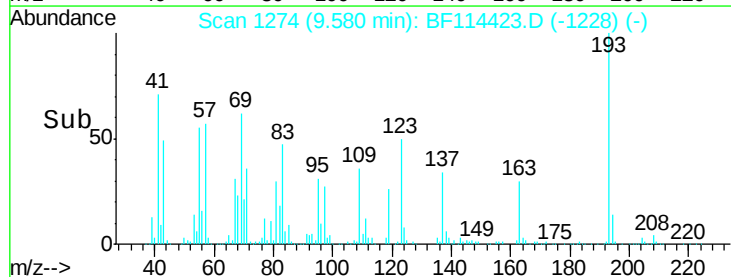
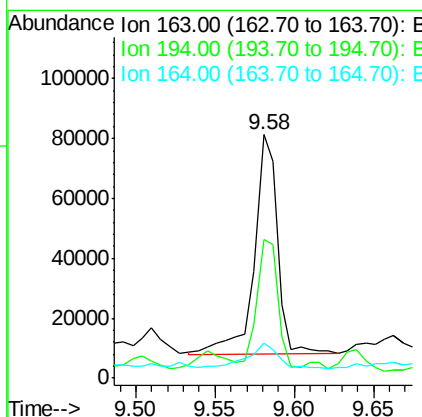
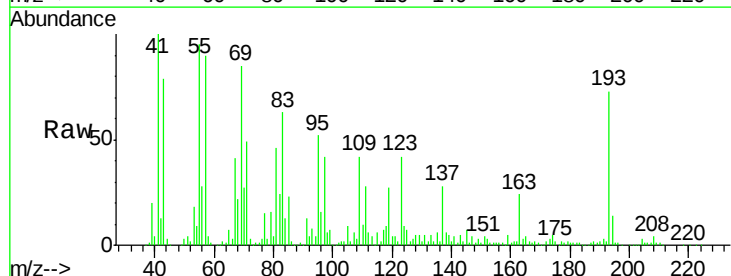
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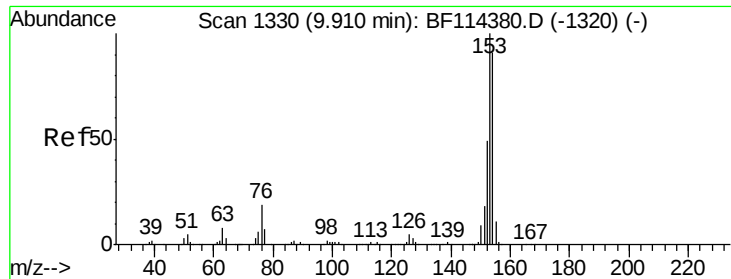
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#50
 Dimethylphthalate
 Concen: 2.689 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.03 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	57.1	3.4	5.0#
164	14.2	8.2	12.2#





#52

Acenaphthene

Concen: 17.239 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

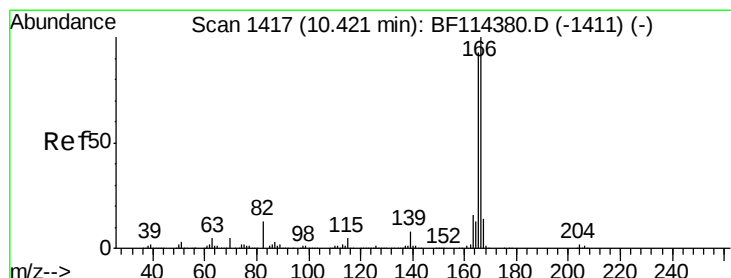
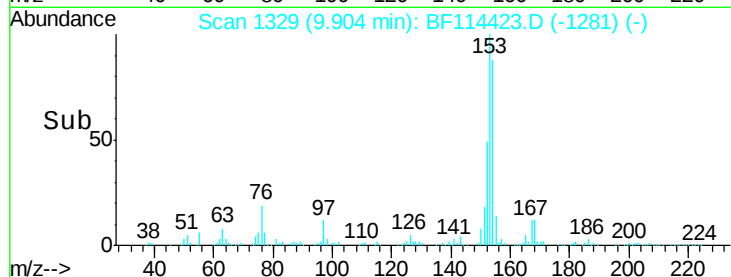
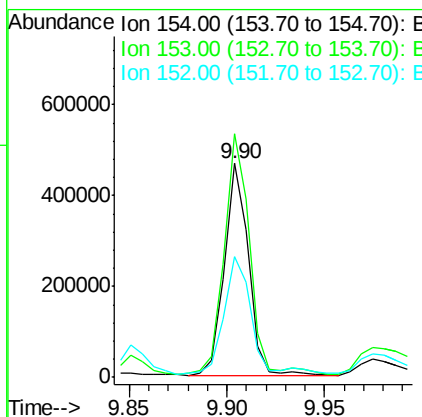
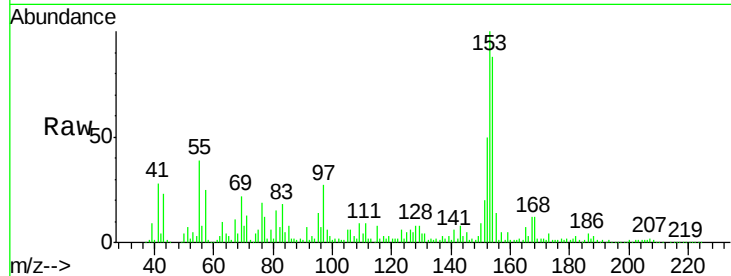
ClientSampled :

SB-03(25.5-26)DL

Tgt Ion:	154	Resp:	397017
Ion Ratio	Lower	Upper	
154	100		
153	113.9	90.5	135.7
152	56.6	43.4	65.2

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#58

Fluorene

Concen: 16.527 ng

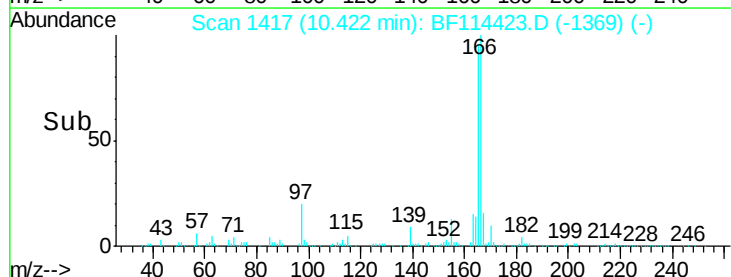
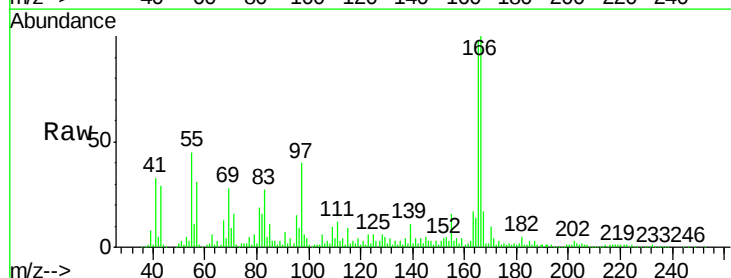
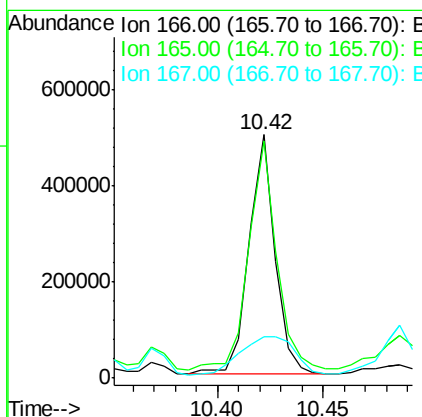
RT: 10.42 min Scan# 1417

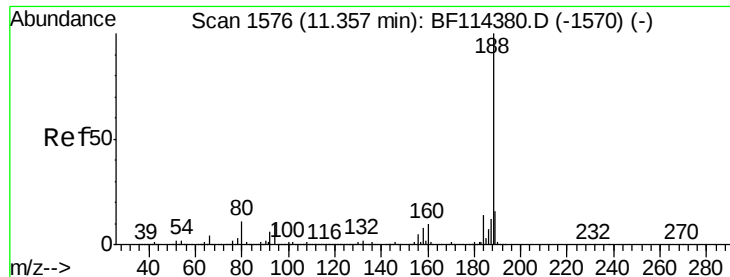
Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Tgt Ion:	166	Resp:	431095
Ion Ratio	Lower	Upper	
166	100		
165	97.6	76.1	114.1
167	16.8	11.1	16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

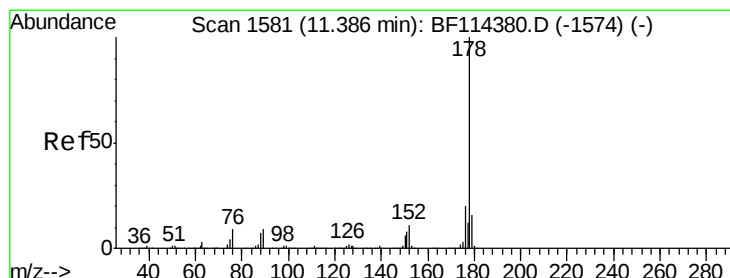
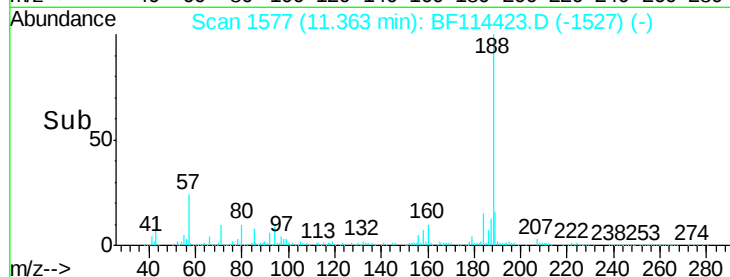
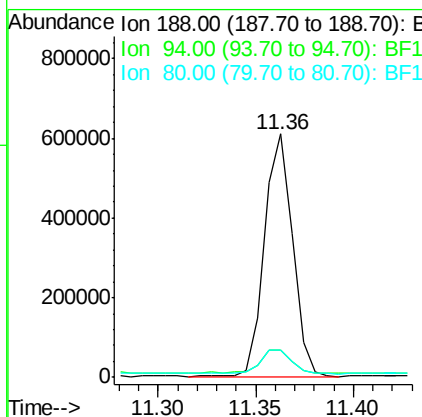
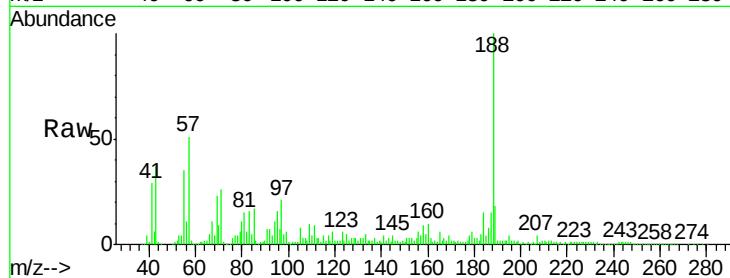
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	188	Resp:	606837
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.4	12.6
80	11.5	9.2	13.8

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#71

Phenanthrene

Concen: 79.157 ng

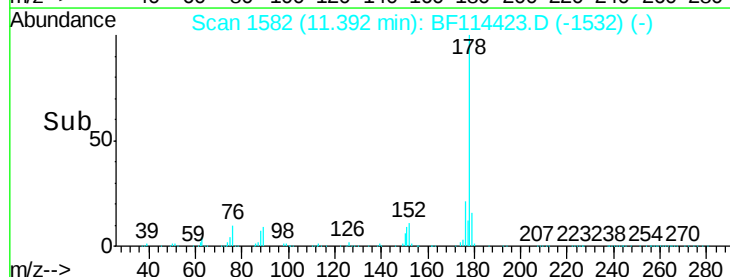
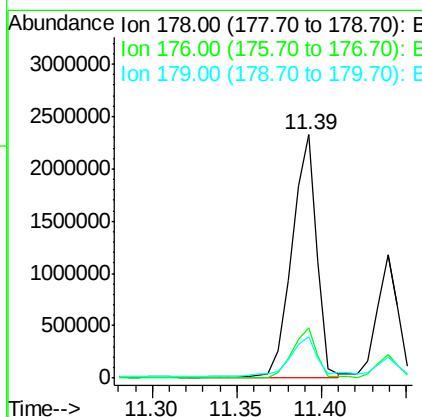
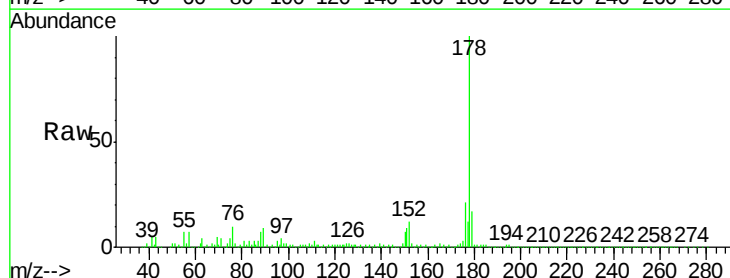
RT: 11.39 min Scan# 1582

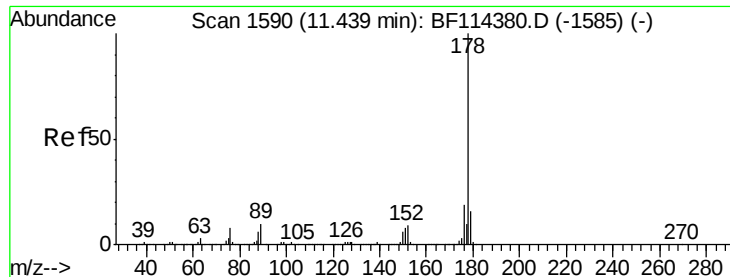
Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Tgt Ion:	178	Resp:	2336977
Ion Ratio	Lower	Upper	
178	100		
176	20.6	16.4	24.6
179	17.0	13.2	19.8





#72

Anthracene

Concen: 32.127 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

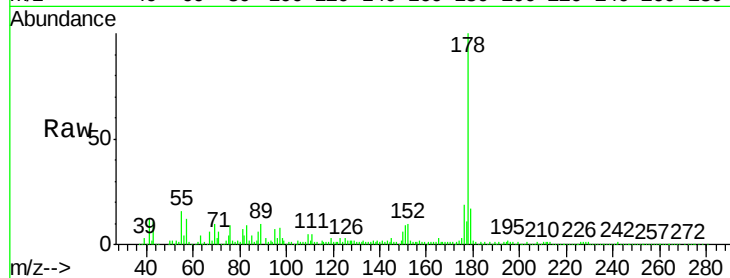
ClientSampleId :

SB-03(25.5-26)DL

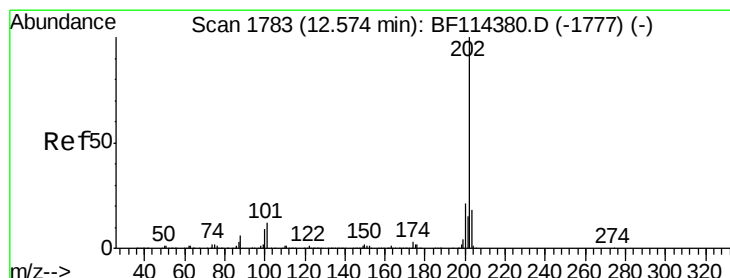
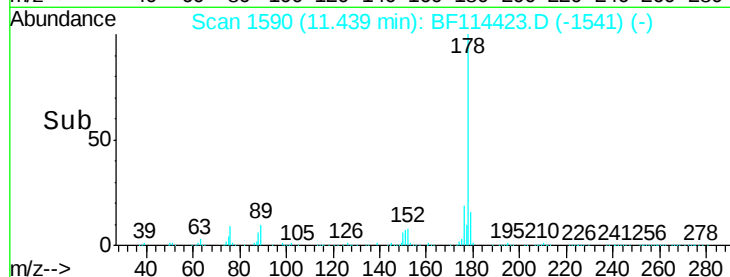
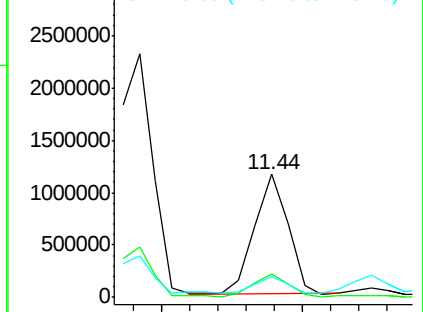
Tgt Ion:	178	Resp:	952697
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	17.2	13.0	19.4

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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



#75

Fluoranthene

Concen: 82.120 ng

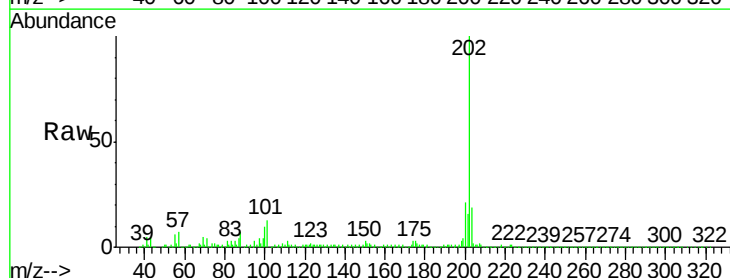
RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

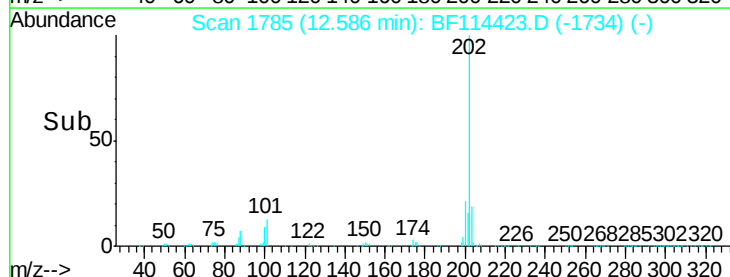
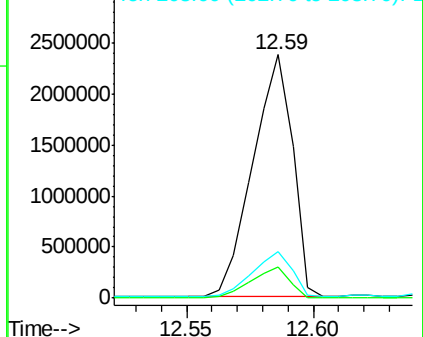
Lab File: BF114423.D

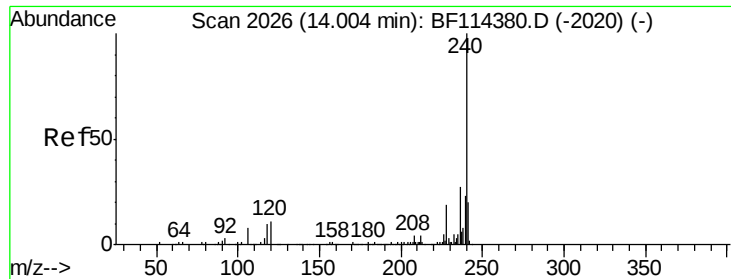
Acq: 19 May 2019 6:42

Tgt Ion:	202	Resp:	2610832
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.0
203	19.3	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

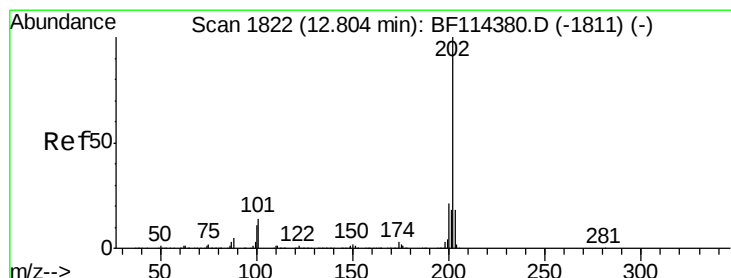
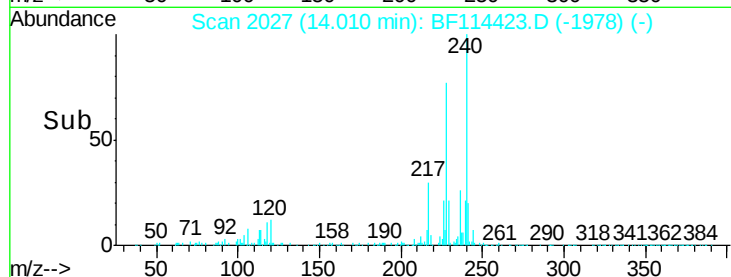
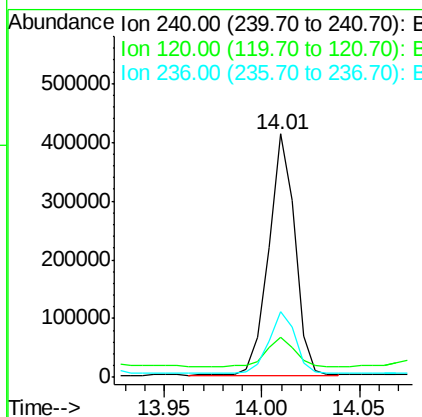
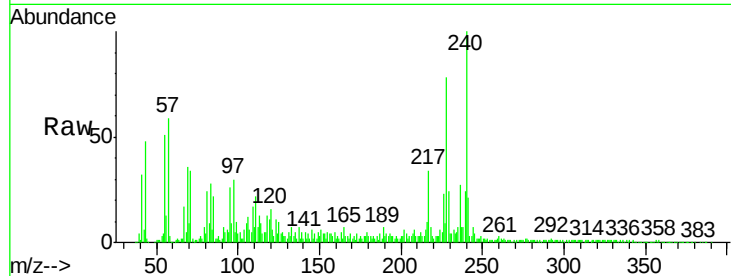
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	240	Resp:	381740
Ion Ratio	Lower	Upper	
240	100		
120	16.4	8.3	12.5#
236	26.9	20.8	31.2

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#78

Pyrene

Concen: 75.465 ng

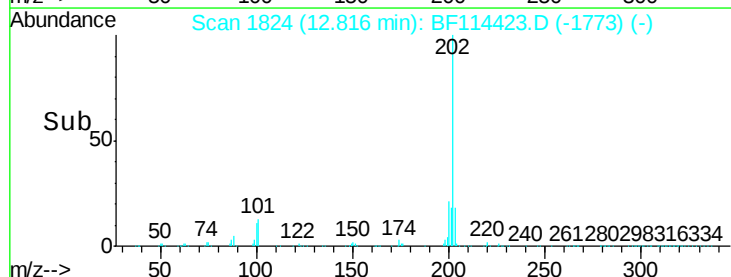
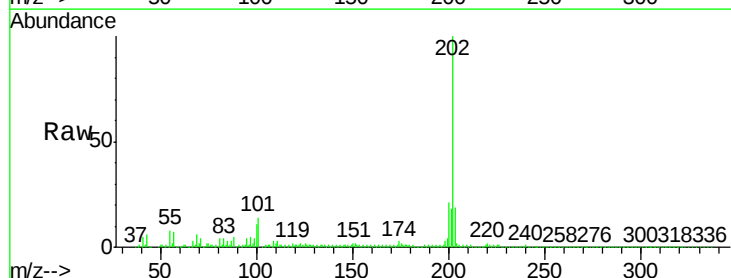
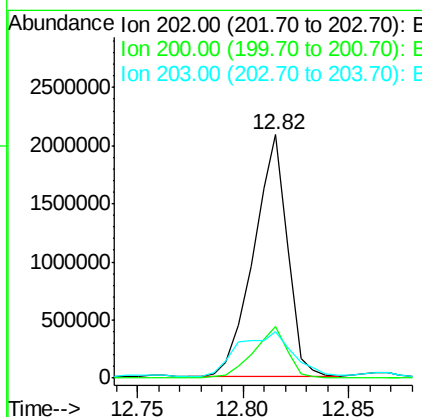
RT: 12.82 min Scan# 1824

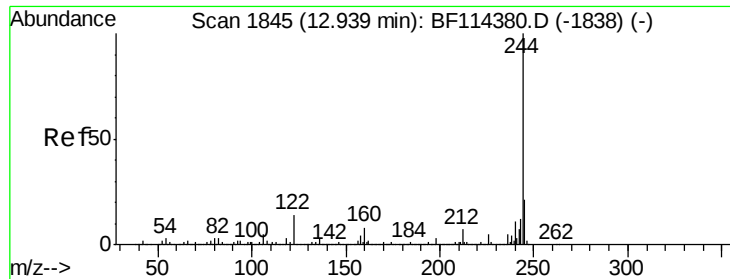
Delta R.T. -0.00 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Tgt Ion:	202	Resp:	2317470
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	19.0	14.5	21.7





#79

Terphenyl-d14

Concen: 20.906 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

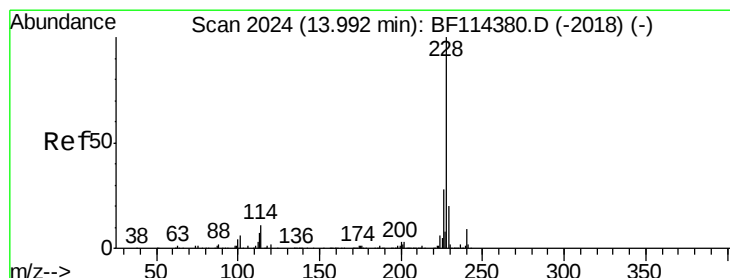
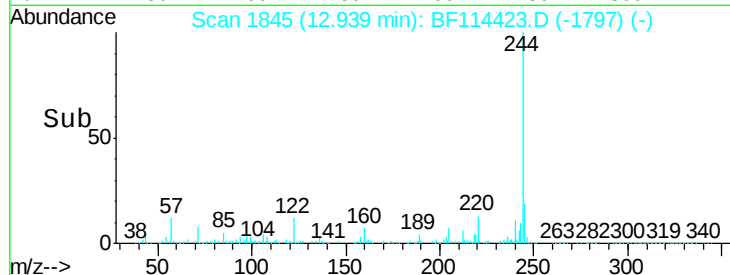
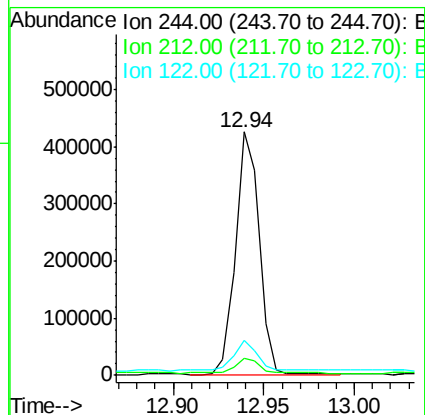
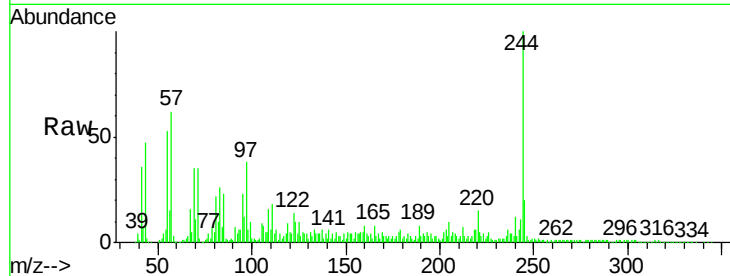
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	244	Resp:	387150
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.6
122	14.3	9.4	14.2

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#81

Benzo(a)anthracene

Concen: 38.532 ng

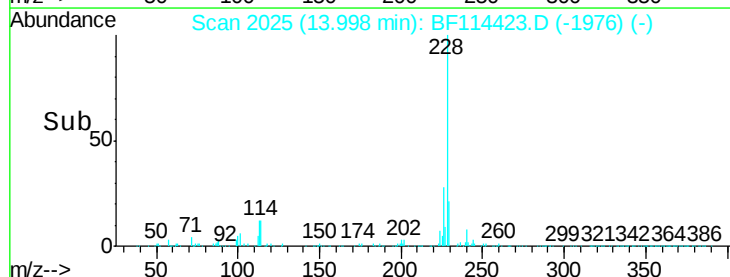
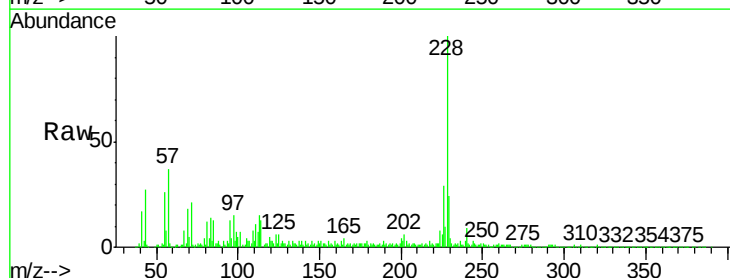
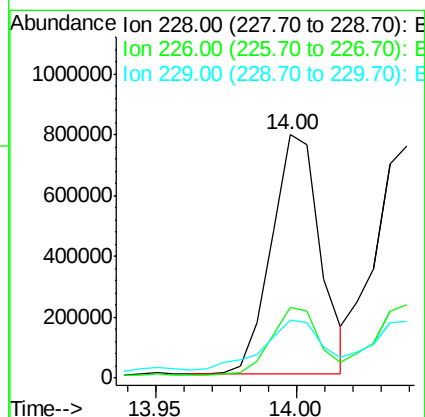
RT: 14.00 min Scan# 2025

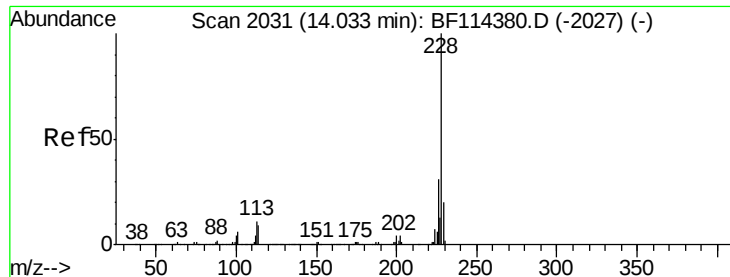
Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Tgt Ion:	228	Resp:	951381
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.2	33.2
229	24.0	16.4	24.6





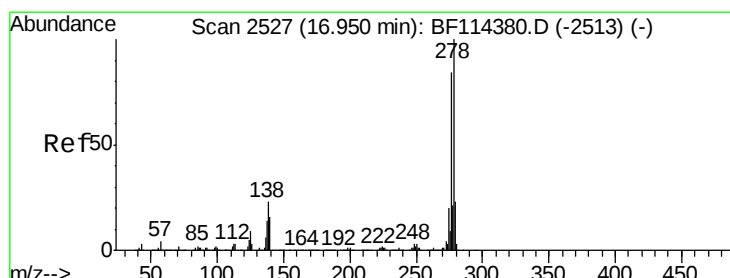
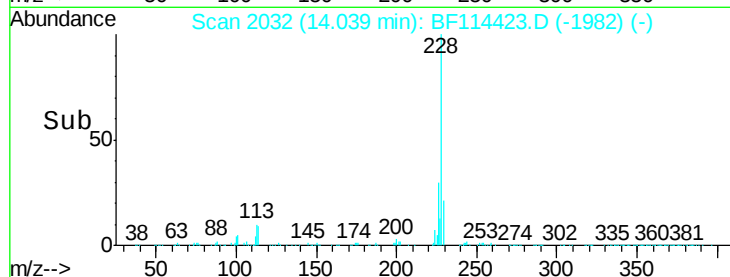
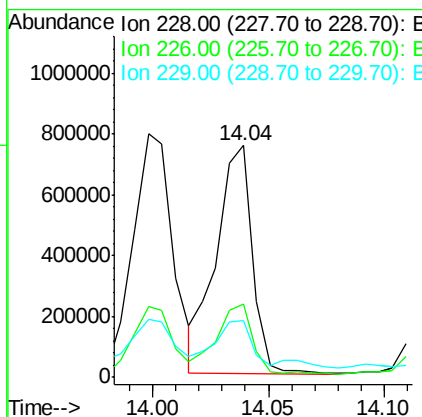
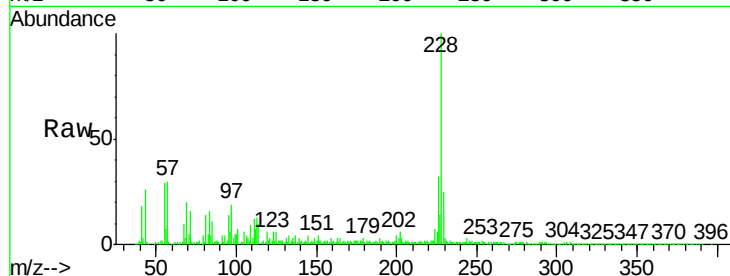
#83
Chrysene
Concen: 33.918 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	820957		
226	31.6	25.0	37.6	
229	24.5	17.0	25.6	

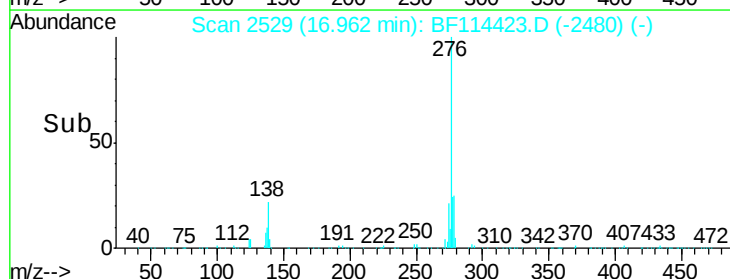
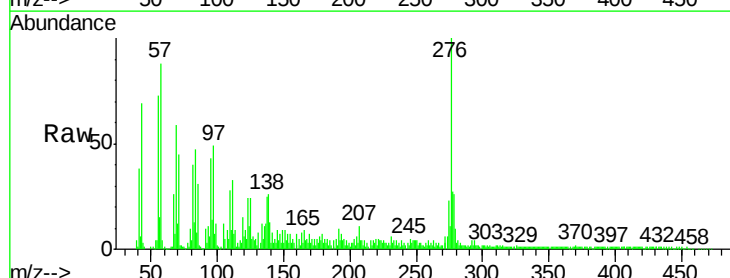
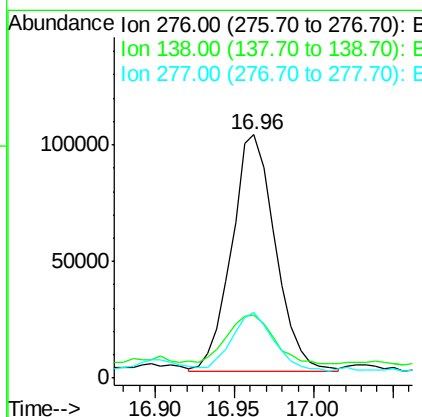
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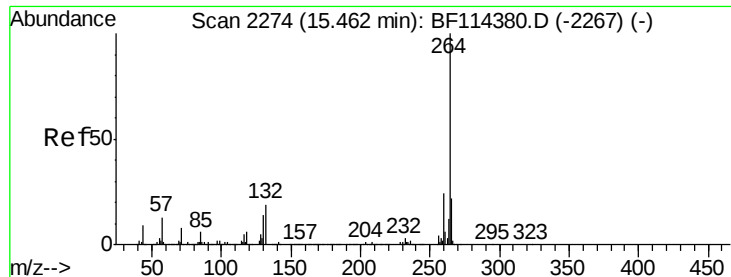
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.045 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	193481		
138	23.0	20.2	30.2	
277	24.3	20.0	30.0	





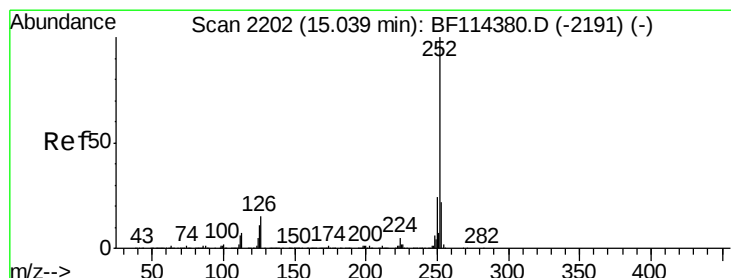
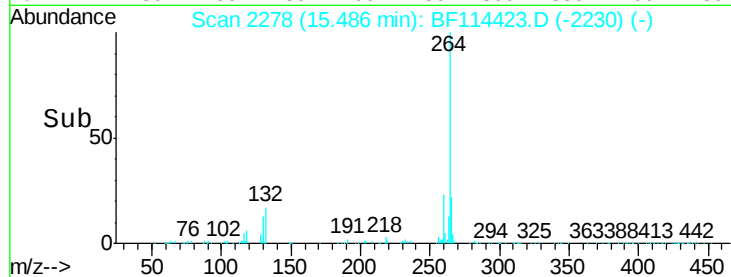
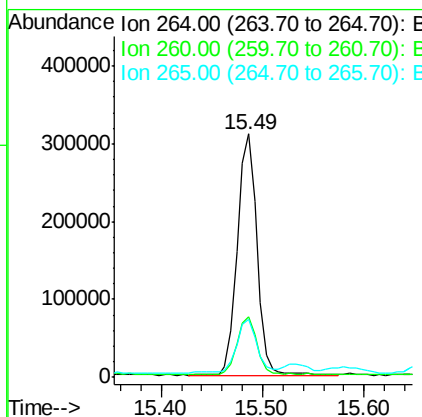
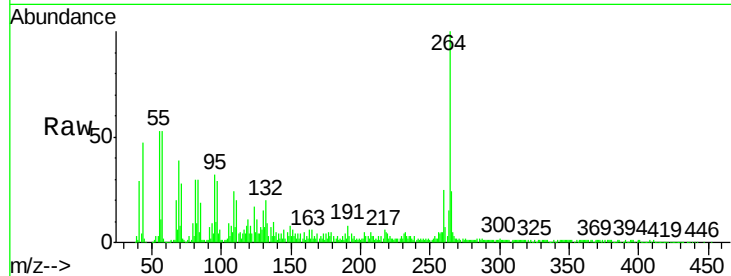
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	417196		
260	25.0	19.4	29.0	
265	23.7	16.9	25.3	

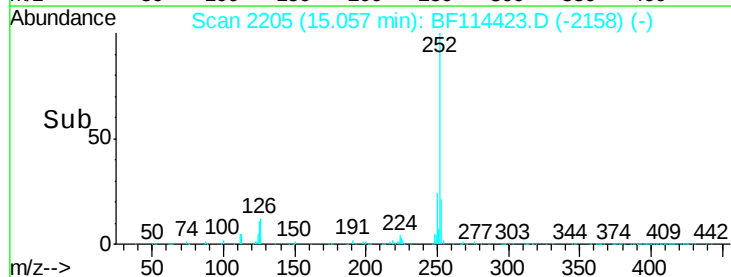
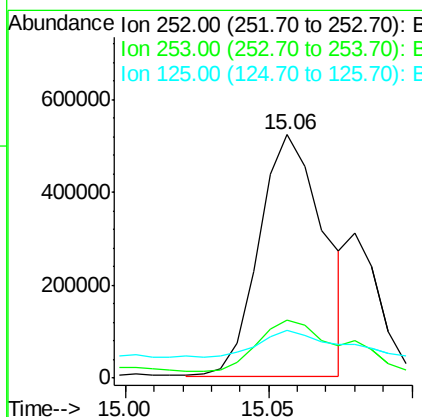
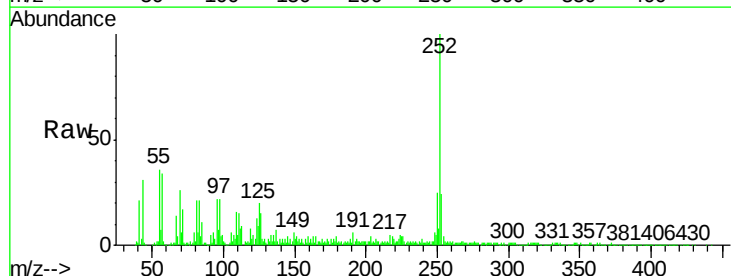
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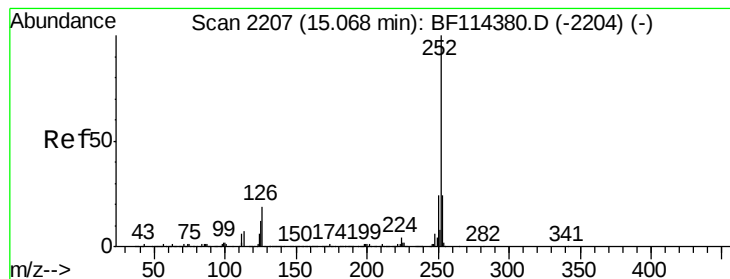
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#88
Benzo(b)fluoranthene
Concen: 30.459 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	814108		
253	24.0	17.8	26.8	
125	19.7	8.3	12.5#	





#89

Benzo(k)fluoranthene

Concen: 10.151 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.03 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

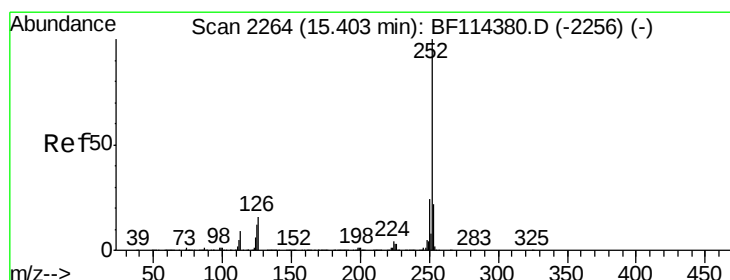
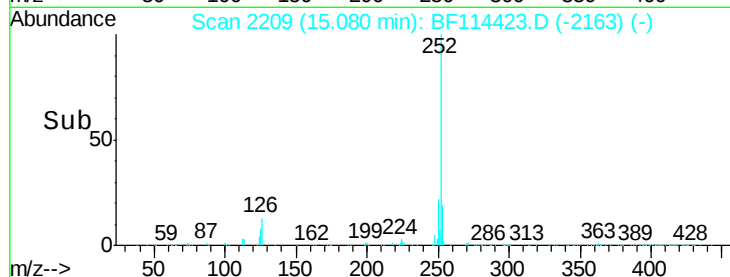
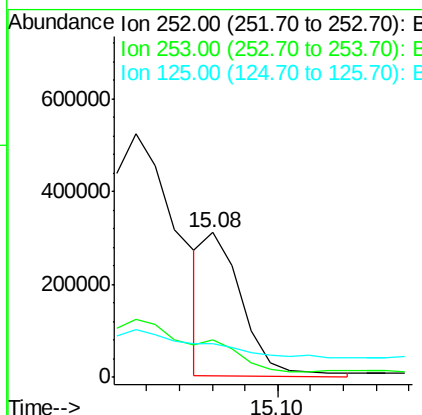
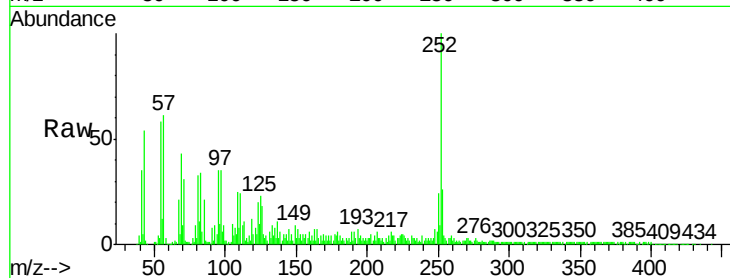
ClientSampled :

SB-03(25.5-26)DL

Tgt Ion:	252	Resp:	249234
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.2
125	23.4	8.6	13.0#

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#90

Benzo(a)pyrene

Concen: 22.727 ng

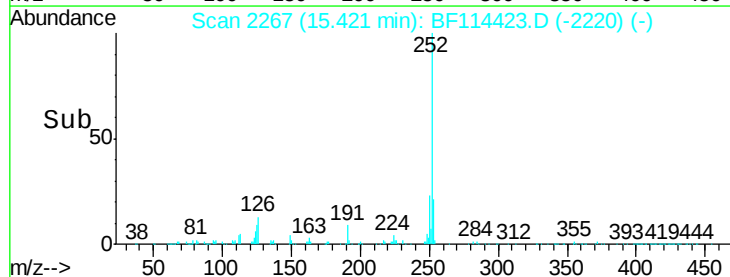
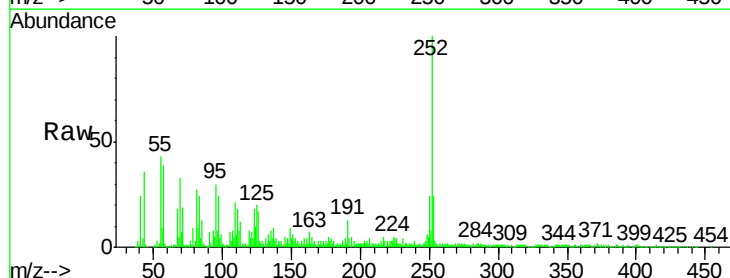
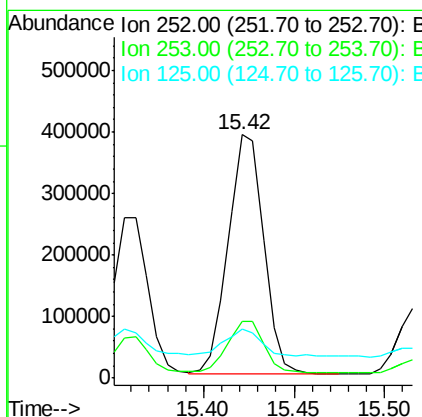
RT: 15.42 min Scan# 2267

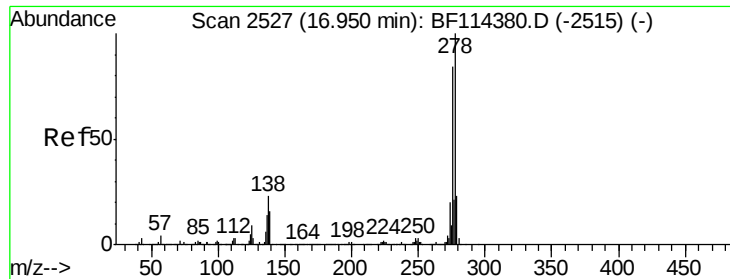
Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Tgt Ion:	252	Resp:	534613
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	20.2	9.5	14.3#





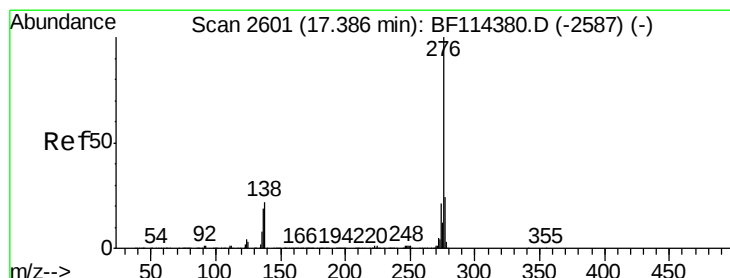
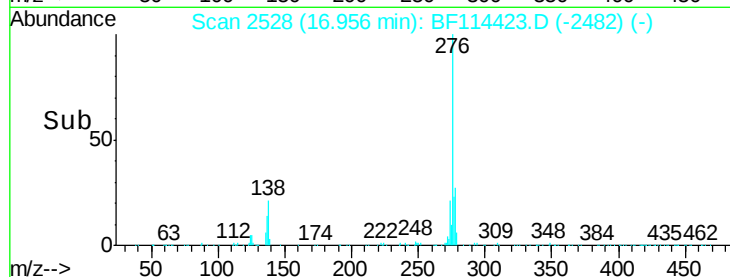
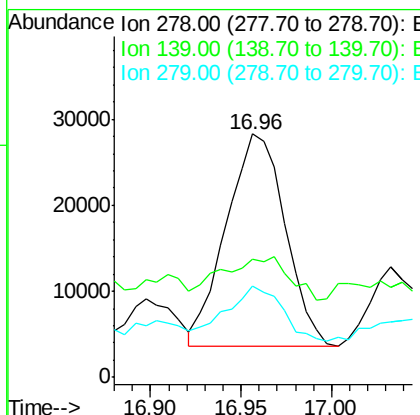
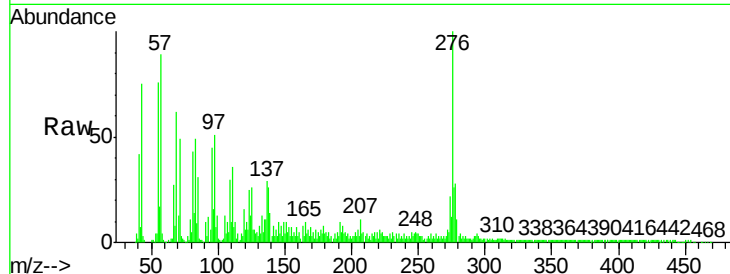
#91
Dibenzo(a,h)anthracene
Concen: 2.840 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.03 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampled :
SB-03(25.5-26)DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	48.7	13.5	20.3#
279	37.4	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 8.518 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.4
138	26.5	17.8	26.6

