

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114457.D
 Acq On : 21 May 2019 15:51
 Operator : JU/SJ
 Sample : K2854-02DL 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 5/23/2019 8:15:44 AM

Quant Time: May 21 16:30:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	216636	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	834689	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	376991	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	619585	20.00	ng	0.00
76) Chrysene-d12	14.02	240	360013	20.00	ng	0.01
87) Perylene-d12	15.50	264	366990	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	337175	25.05	ng	-0.01
7) Phenol-d6	6.47	99	483792	30.39	ng	-0.02
23) Nitrobenzene-d5	7.39	82	275446	18.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	81987	21.04	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	488089	19.58	ng	0.00
79) Terphenyl-d14	12.95	244	326880	18.72	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	244956	6.283	ng	Qvalue # 97
37) 2-Methylnaphthalene	8.83	142	679060	26.994	ng	97
38) 1-Methylnaphthalene	8.93	142	486347	20.530	ng	100
50) Dimethylphthalate	9.58	163	71695	2.591	ng	# 51
52) Acenaphthene	9.90	154	364253	15.923	ng	97
58) Fluorene	10.42	166	417579	16.117	ng	99
71) Phenanthrene	11.39	178	2235380	74.158	ng	99
72) Anthracene	11.45	178	904577	29.877	ng	98
75) Fluoranthene	12.59	202	2341797	72.142	ng	99
78) Pyrene	12.82	202	2040547	70.458	ng	99
81) Benzo(a)anthracene	14.00	228	855230	36.728	ng	96
83) Chrysene	14.04	228	698788m	30.613	ng	
86) Indeno(1,2,3-cd)pyrene	16.98	276	142358	7.057	ng	95
88) Benzo(b)fluoranthene	15.07	252	660888m	28.109	ng	
89) Benzo(k)fluoranthene	15.09	252	254062m	11.763	ng	
90) Benzo(a)pyrene	15.43	252	441055	21.315	ng	# 88
91) Dibenzo(a,h)anthracene	16.98	278	43048	2.504	ng	# 38
92) Benzo(g,h,i)perylene	17.43	276	125392	7.277	ng	# 90

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

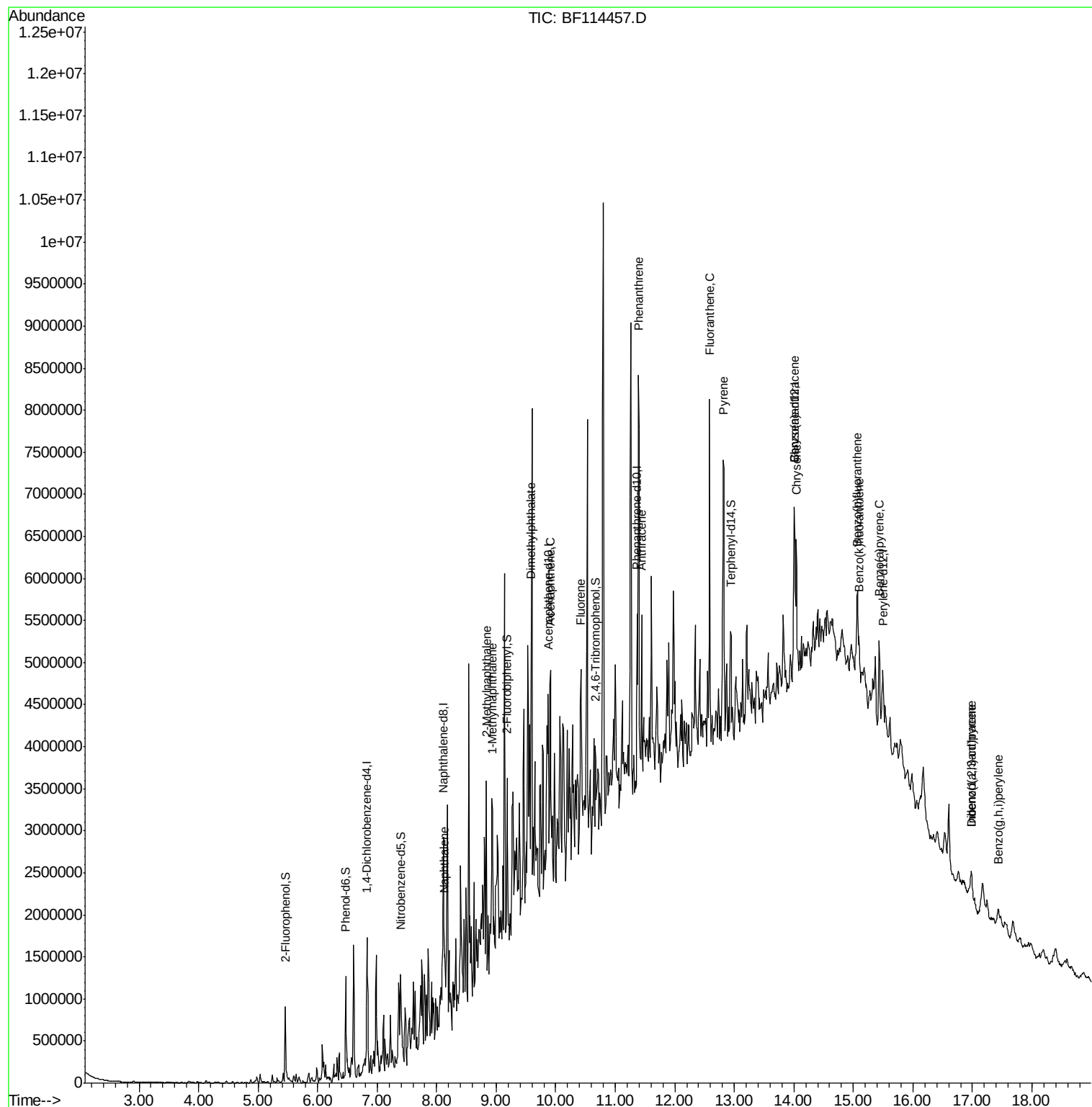
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
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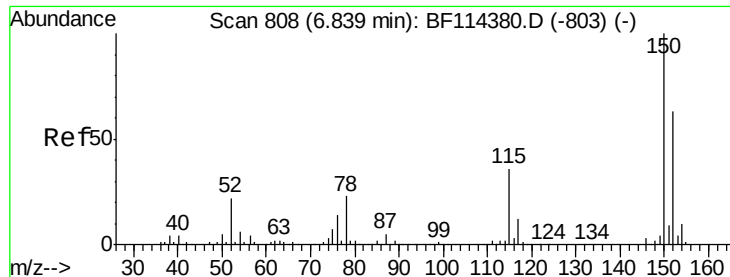
Instrument :
BNA_F
ClientSampleID :
SB-03(25.5-26)DL

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Quant Time: May 21 16:30:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

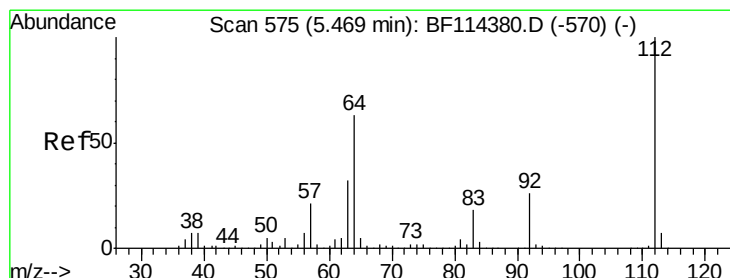
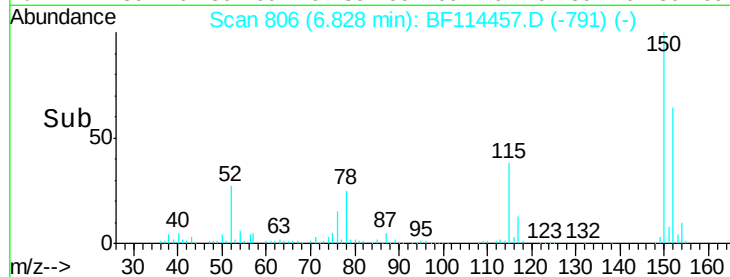
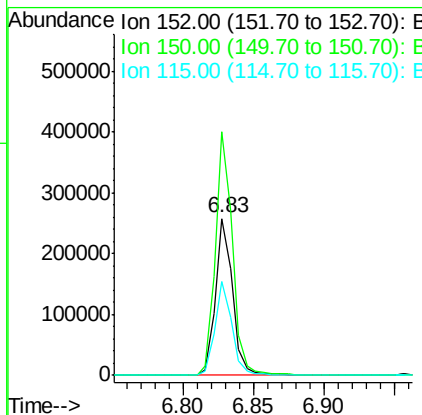
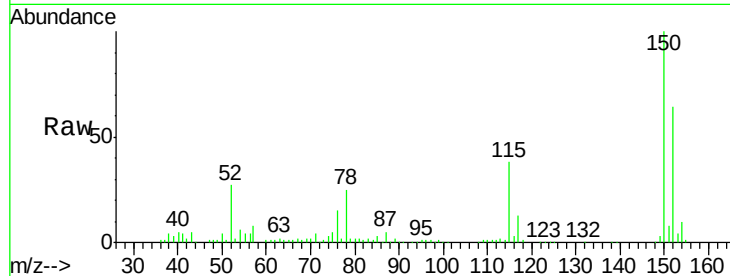
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.3	186.5
115	59.6	49.1	73.7

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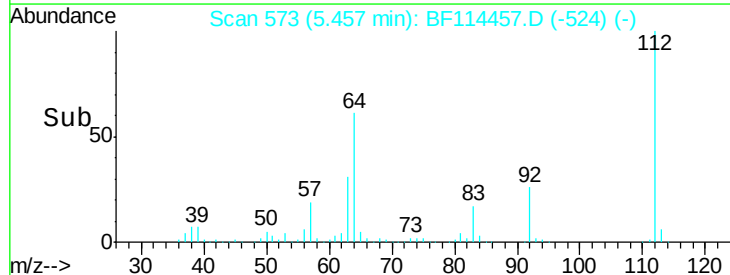
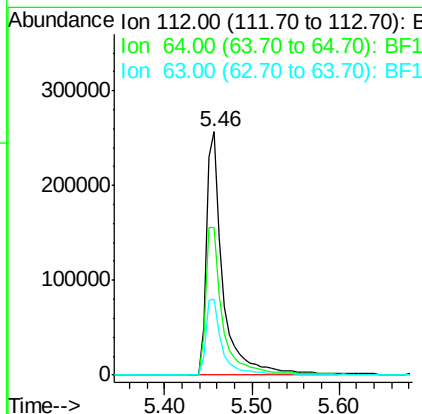
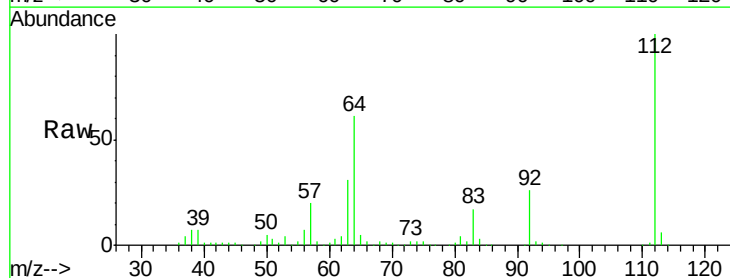
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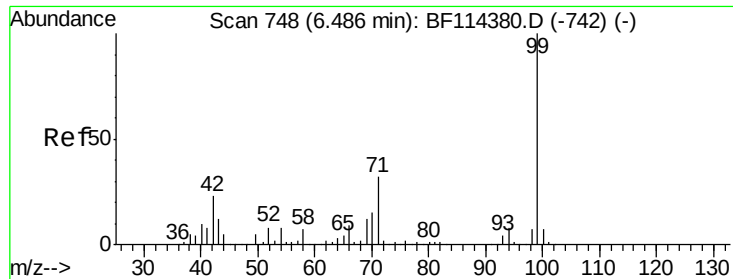


#5

2-Fluorophenol
Concen: 25.047 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.0	73.6
63	31.2	24.6	37.0





#7

Phenol-d6

Concen: 30.386 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

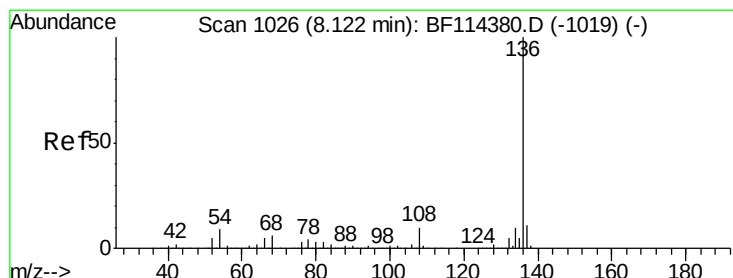
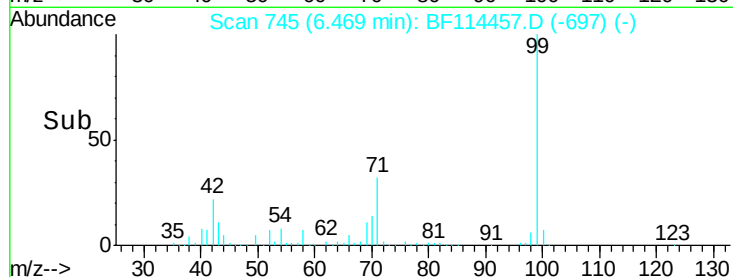
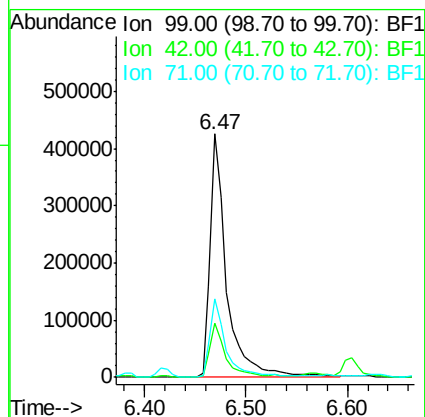
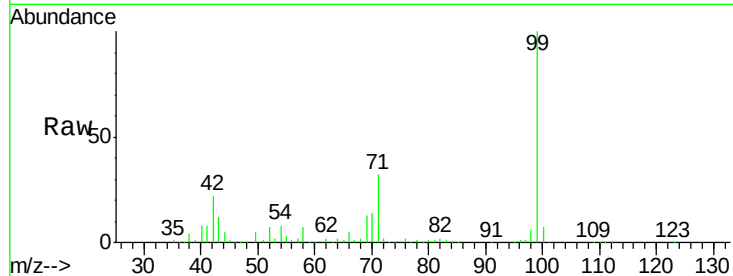
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	99	Resp:	483792
Ion Ratio	Lower	Upper	
99	100		
42	22.0	17.9	26.9
71	32.3	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

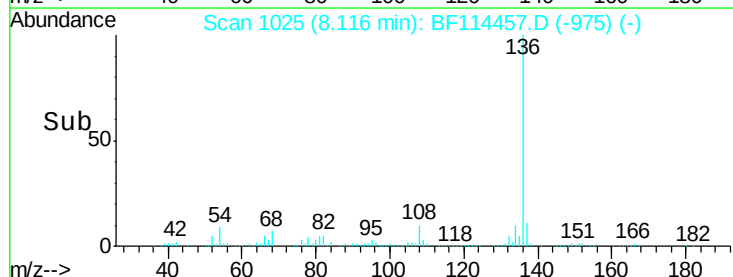
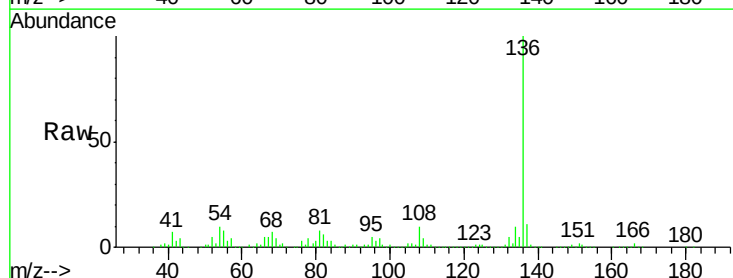
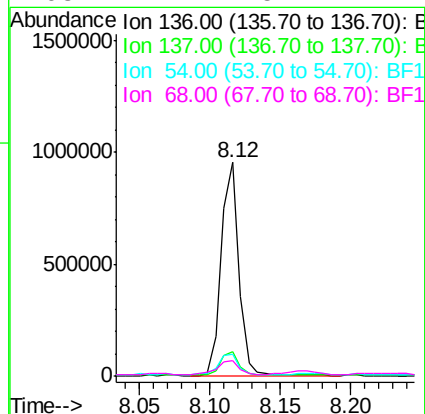
RT: 8.12 min Scan# 1025

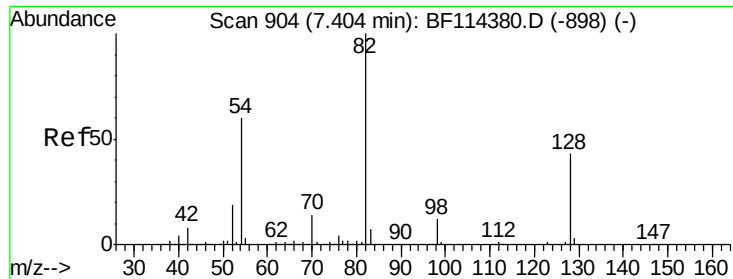
Delta R.T. -0.01 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Tgt Ion:	136	Resp:	834689
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	10.0	7.8	11.8
68	7.4	5.1	7.7





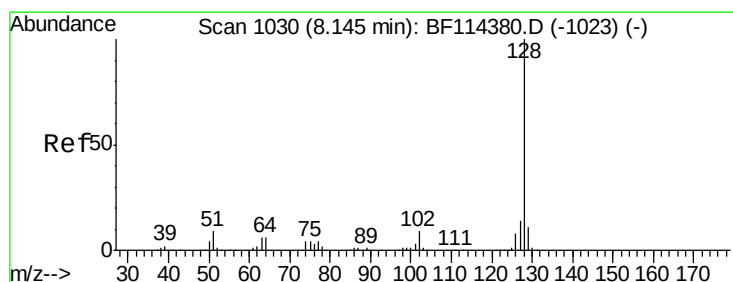
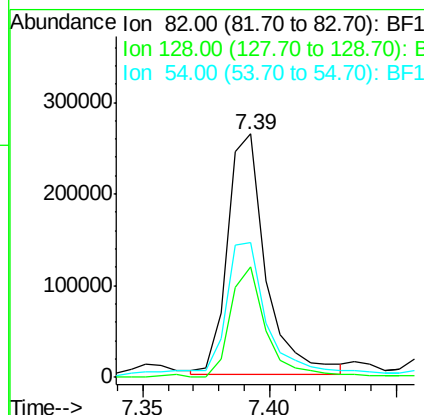
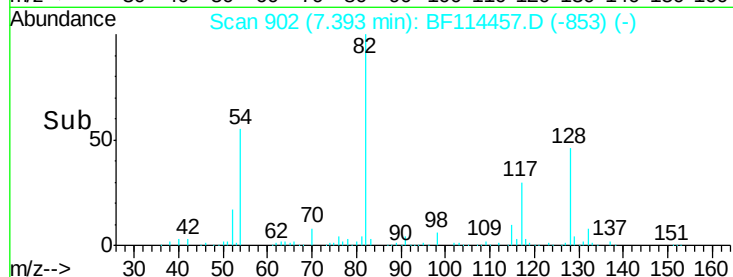
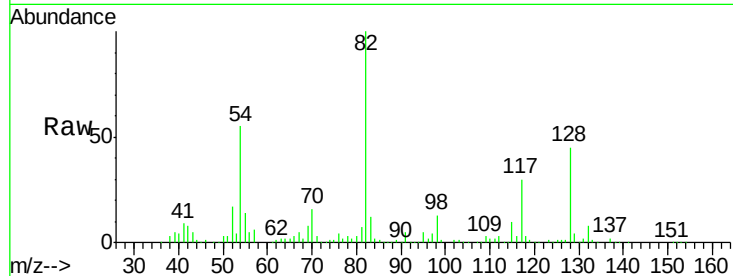
#23
Nitrobenzene-d5
Concen: 18.520 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	275446		
128	45.2	35.5	53.3	
54	55.4	48.5	72.7	

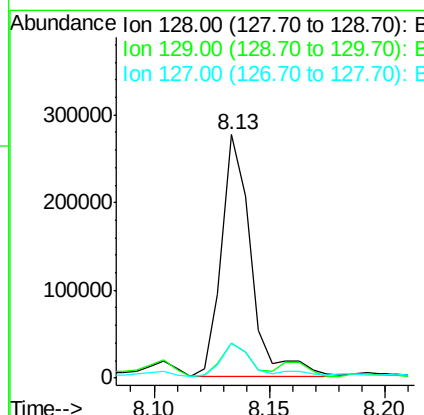
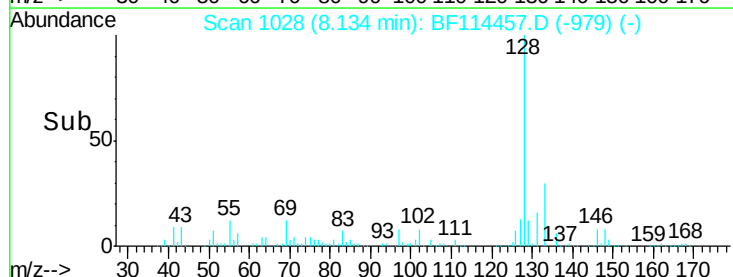
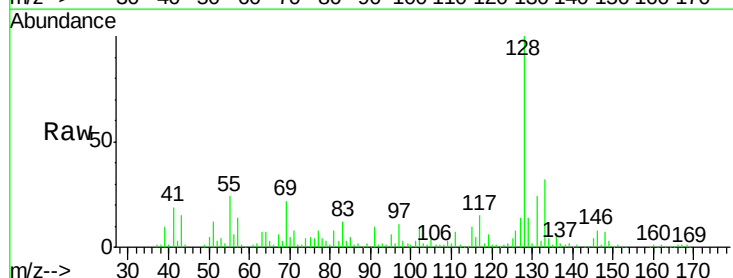
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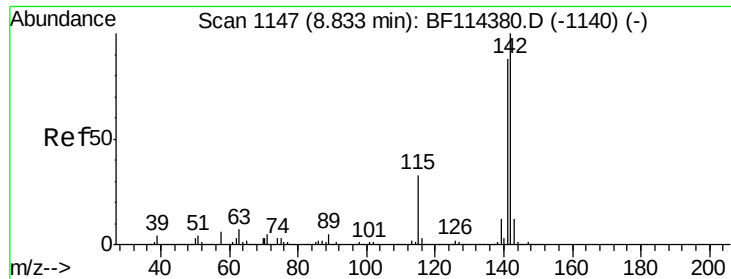
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#31
Naphthalene
Concen: 6.283 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	244956		
129	14.4	9.6	14.4#	
127	14.2	11.3	16.9	





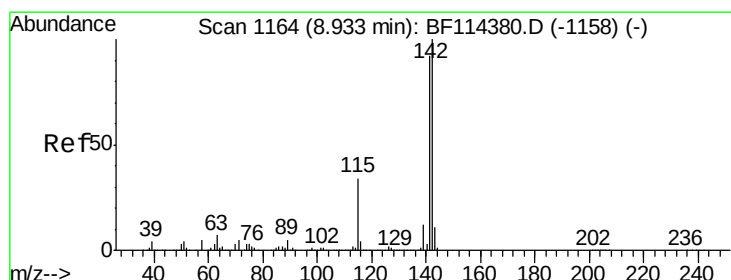
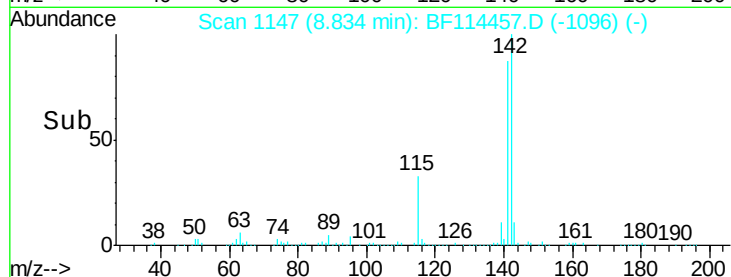
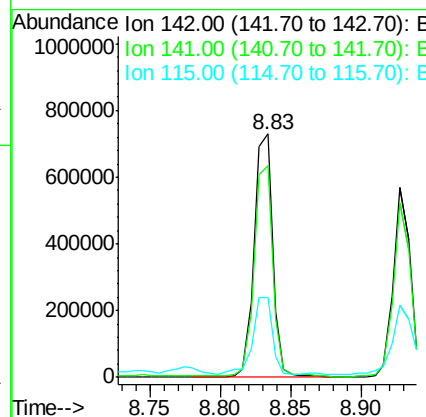
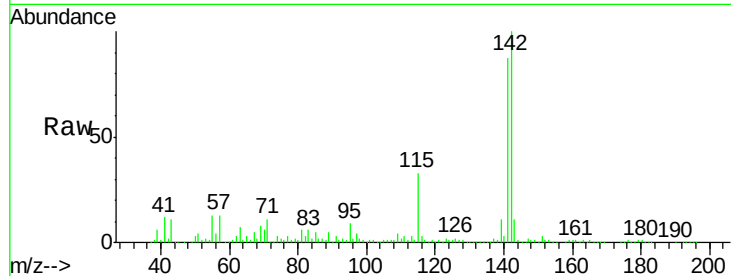
#37
 2-Methylnaphthalene
 Concen: 26.994 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF114457.D
 Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	679060		
141	86.8	72.1	108.1	
115	33.0	28.0	42.0	

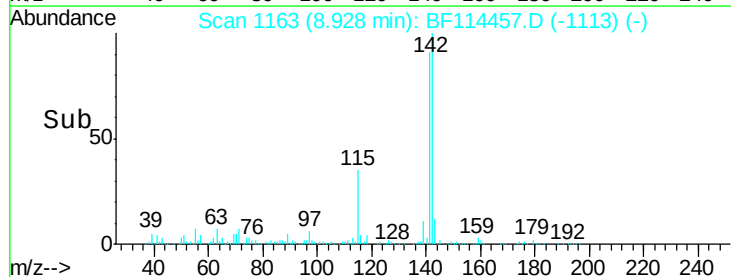
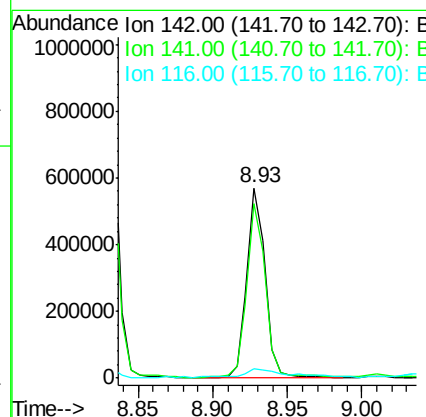
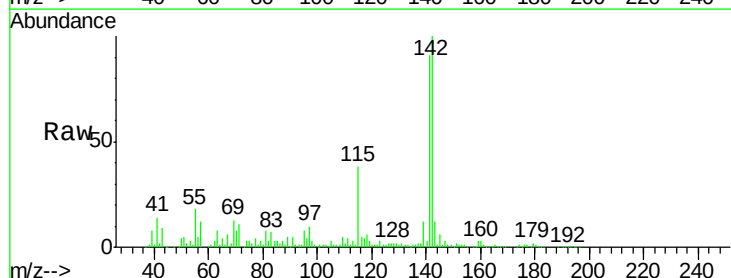
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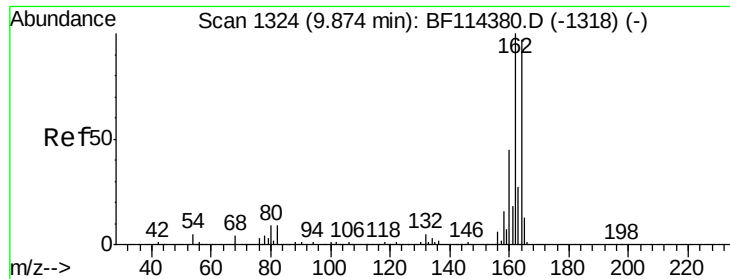
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#38
 1-Methylnaphthalene
 Concen: 20.530 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF114457.D
 Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	486347		
141	91.3	73.4	110.0	
116	4.6	3.1	4.7	





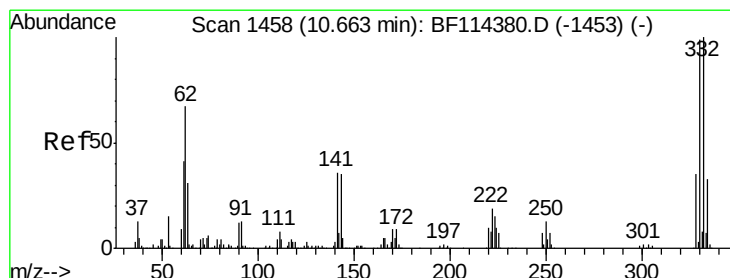
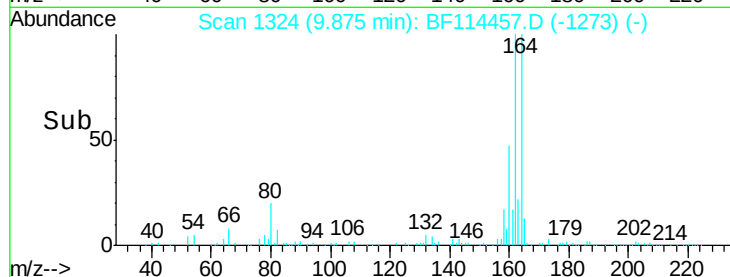
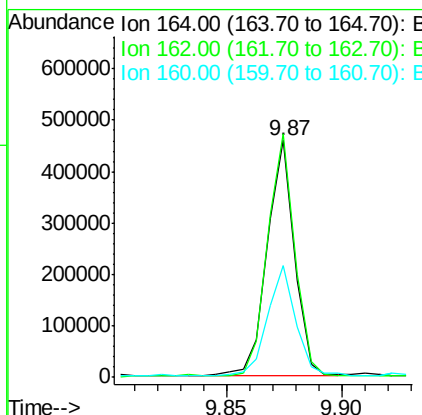
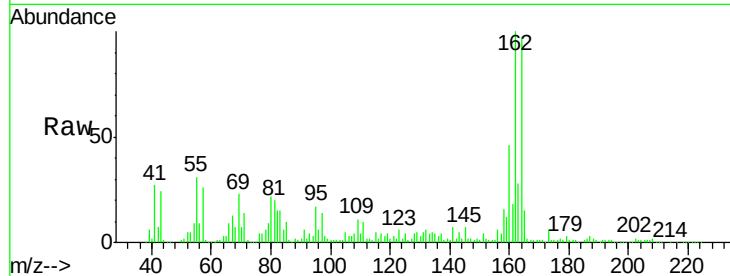
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	376991		
162	102.7	80.6	120.8	
160	46.9	36.5	54.7	

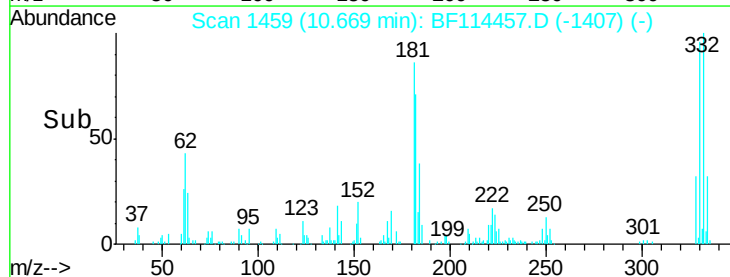
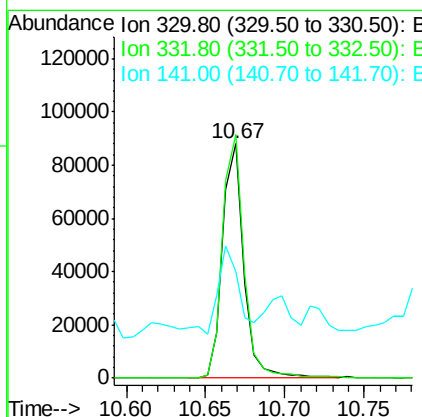
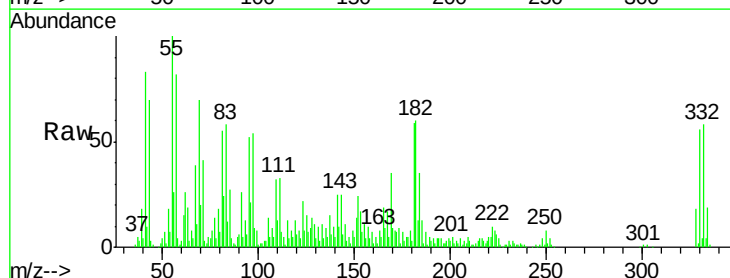
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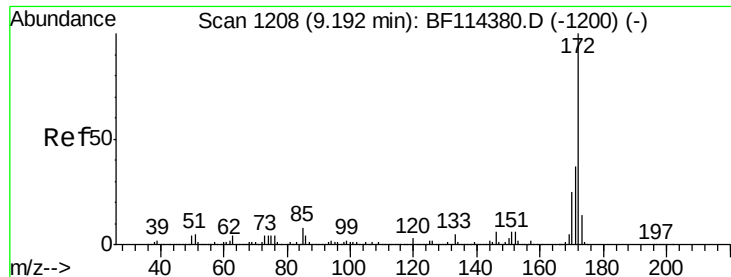
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#42
2,4,6-Tribromophenol
Concen: 21.036 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	81987		
332	105.4	81.4	122.2	
141	29.0	26.6	40.0	





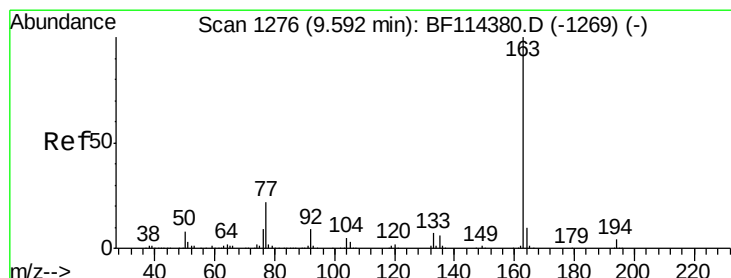
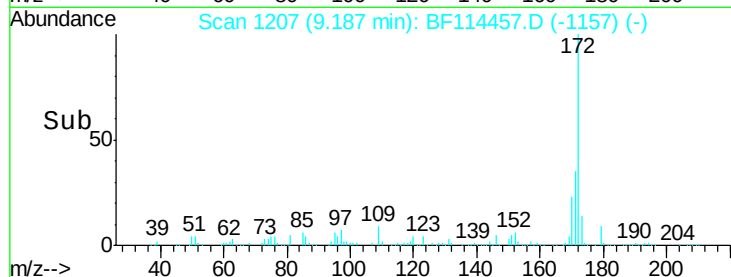
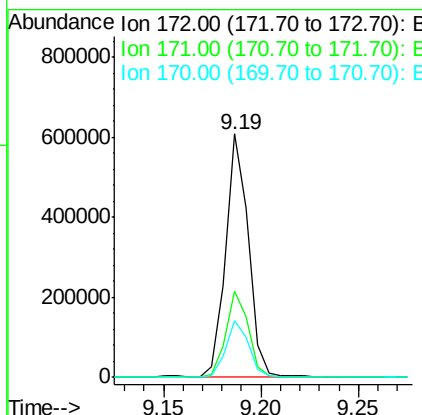
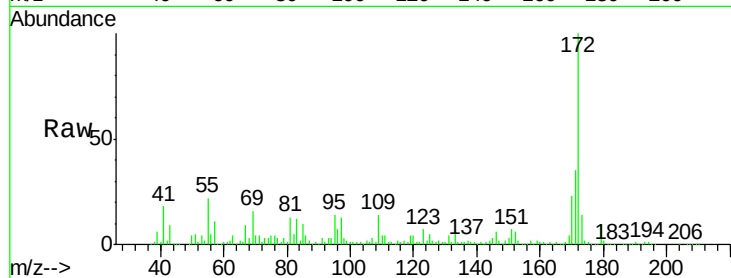
#45
 2-Fluorobiphenyl
 Concen: 19.584 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF114457.D
 Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	488089		
171	35.4		30.7	46.1
170	23.2		20.5	30.7

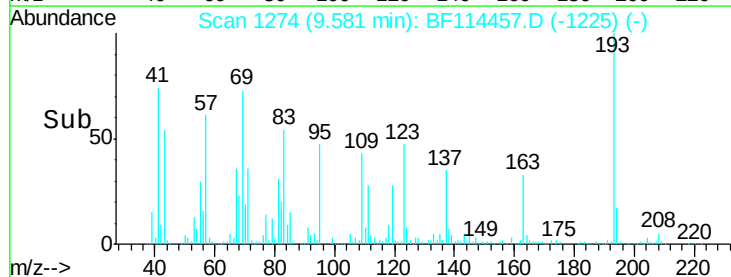
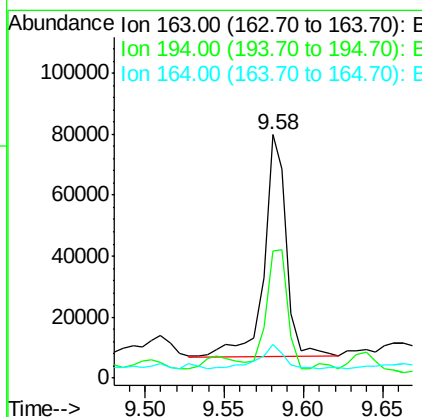
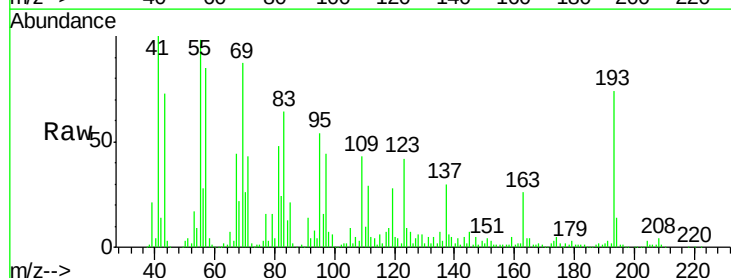
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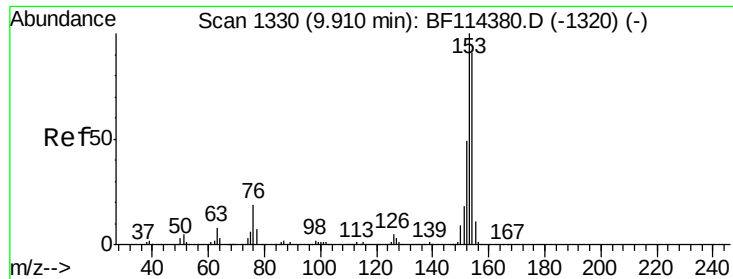
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#50
 Dimethylphthalate
 Concen: 2.591 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF114457.D
 Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	71695		
194	52.2		3.4	5.0#
164	13.8		8.2	12.2#





#52

Acenaphthene

Concen: 15.923 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

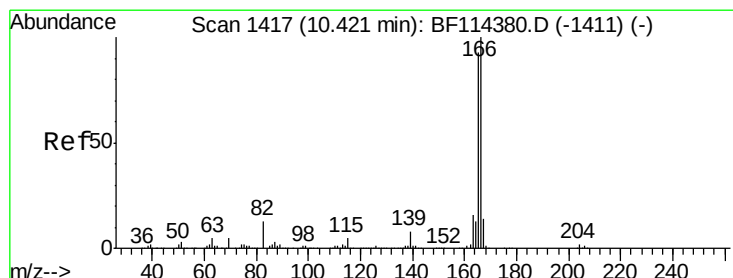
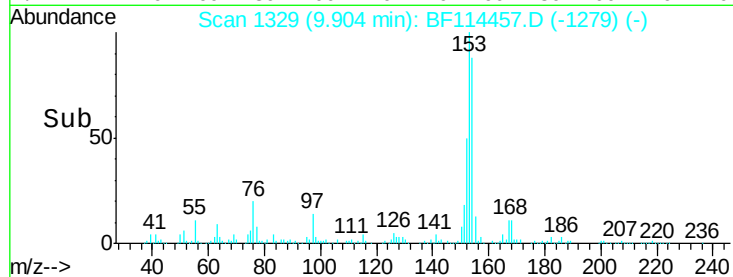
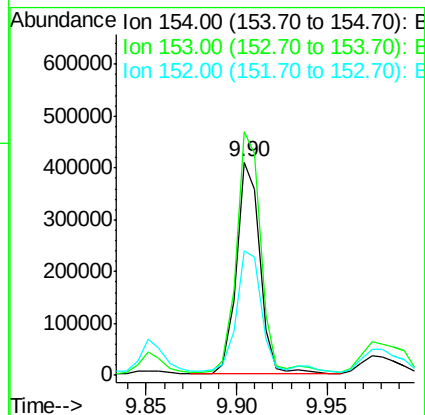
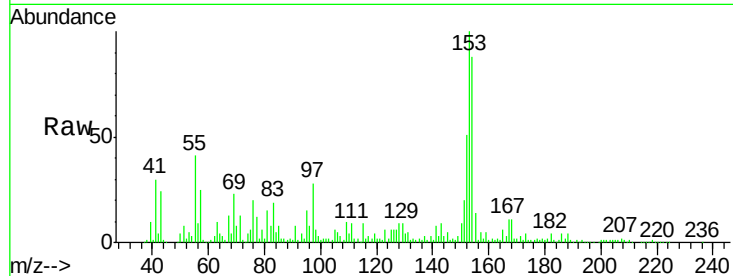
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	154	Resp:	364253
Ion Ratio	Lower	Upper	
154	100		
153	114.3	90.5	135.7
152	58.5	43.4	65.2

Manual Integrations
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#58

Fluorene

Concen: 16.117 ng

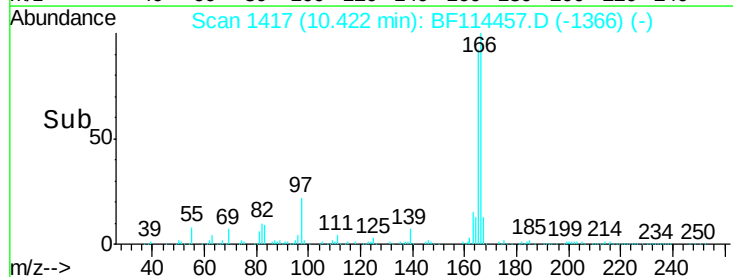
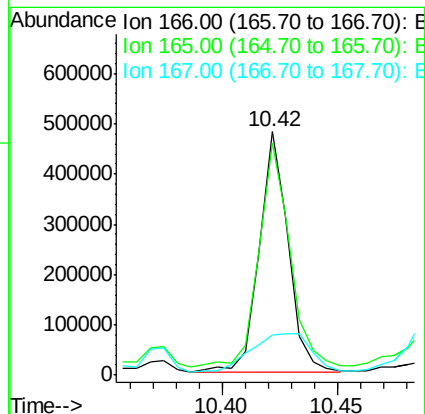
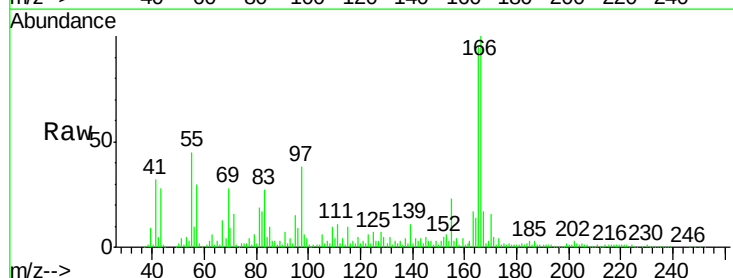
RT: 10.42 min Scan# 1417

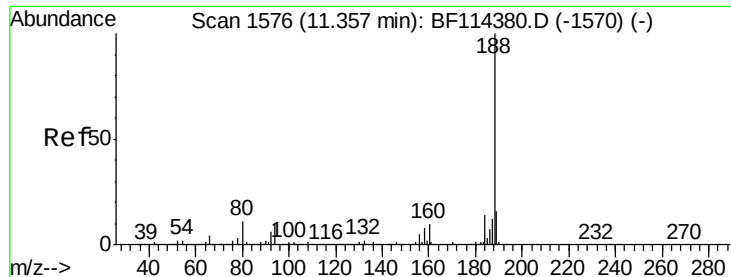
Delta R.T. 0.00 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Tgt Ion:	166	Resp:	417579
Ion Ratio	Lower	Upper	
166	100		
165	95.2	76.1	114.1
167	16.5	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: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

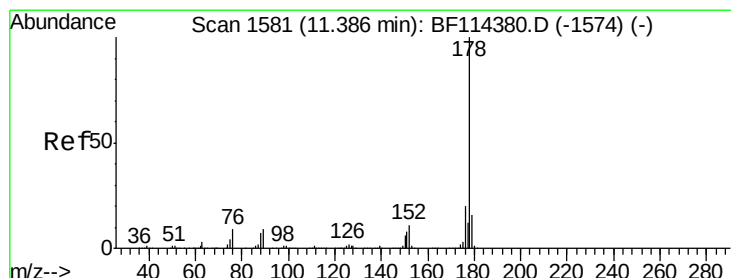
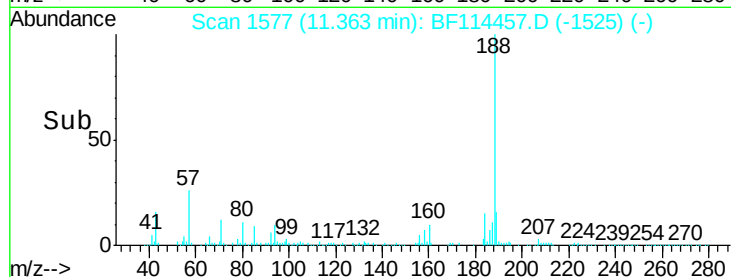
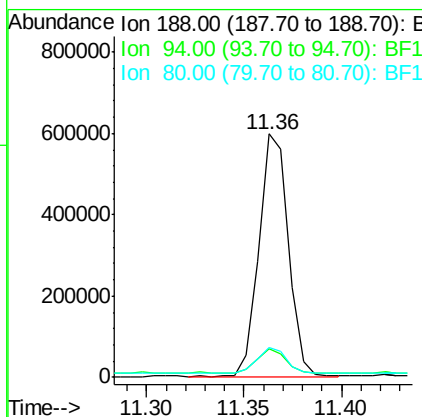
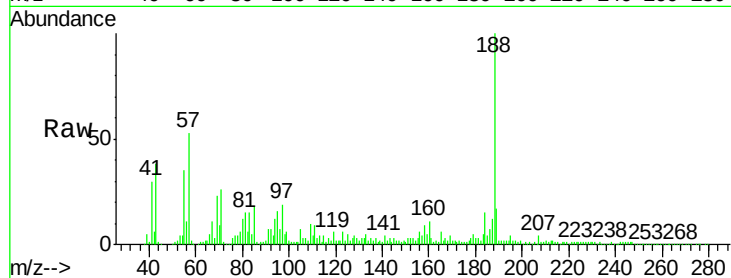
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	188	Resp:	619585
Ion Ratio	Lower	Upper	
188	100		
94	12.0	8.4	12.6
80	12.5	9.2	13.8

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#71

Phenanthrene

Concen: 74.158 ng

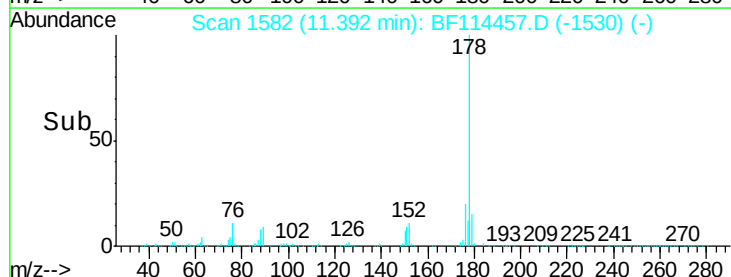
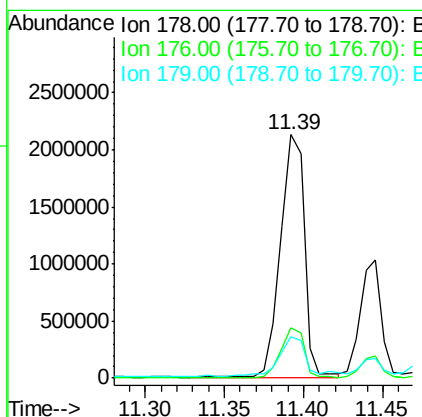
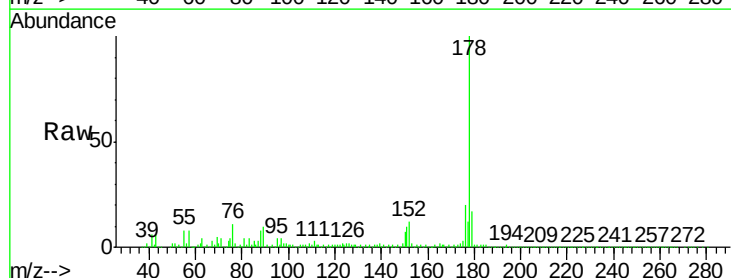
RT: 11.39 min Scan# 1582

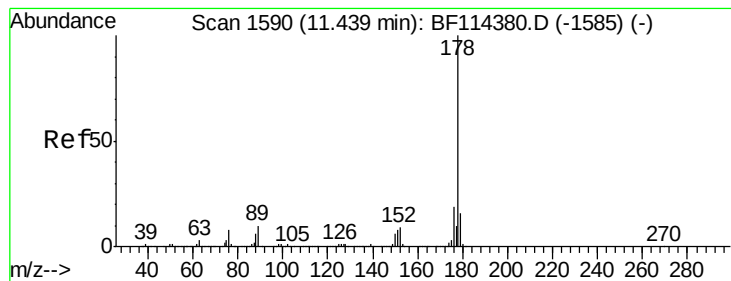
Delta R.T. 0.01 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Tgt Ion:	178	Resp:	2235380
Ion Ratio	Lower	Upper	
178	100		
176	20.5	16.4	24.6
179	17.1	13.2	19.8





#72

Anthracene

Concen: 29.877 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

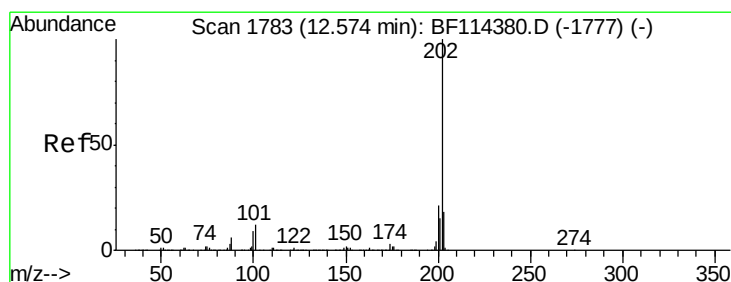
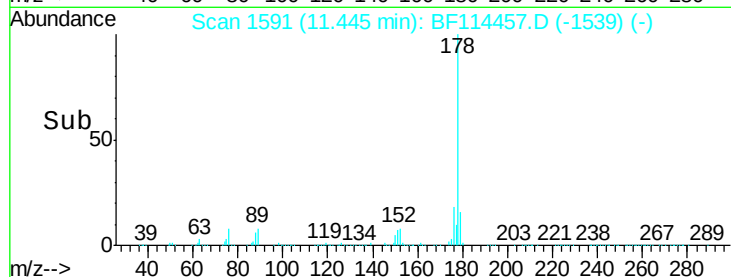
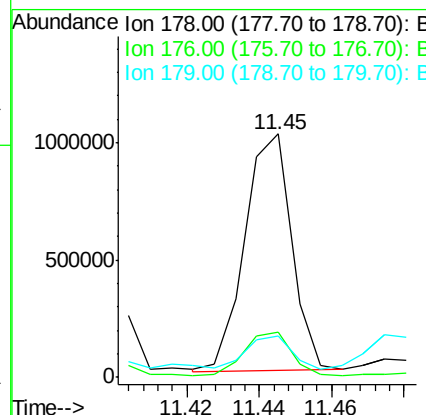
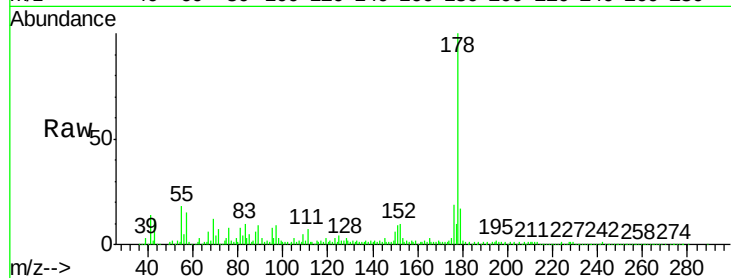
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	178	Resp:	904577
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	16.8	13.0	19.4

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#75

Fluoranthene

Concen: 72.142 ng

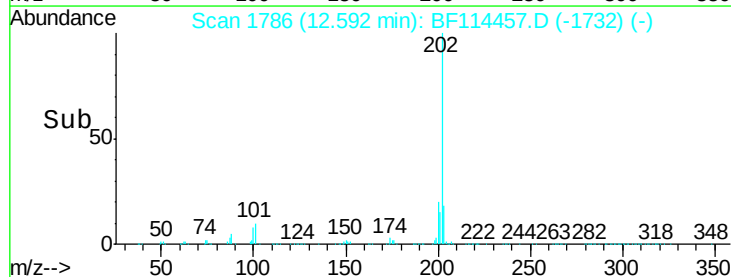
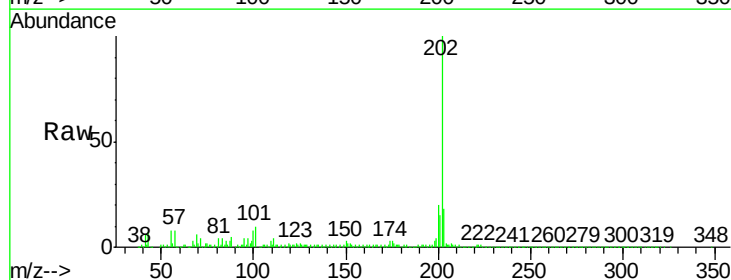
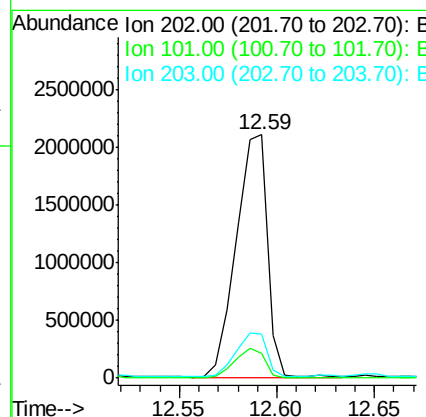
RT: 12.59 min Scan# 1786

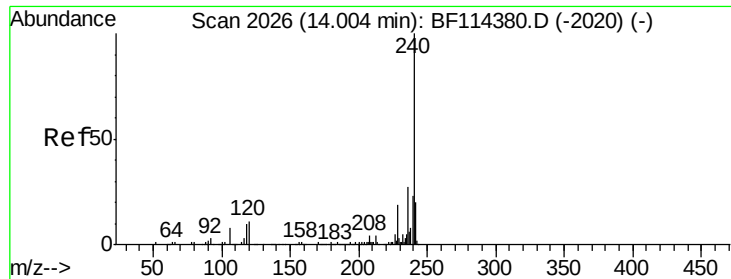
Delta R.T. 0.02 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Tgt Ion:	202	Resp:	2341797
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.0
203	18.1	0.0	38.4





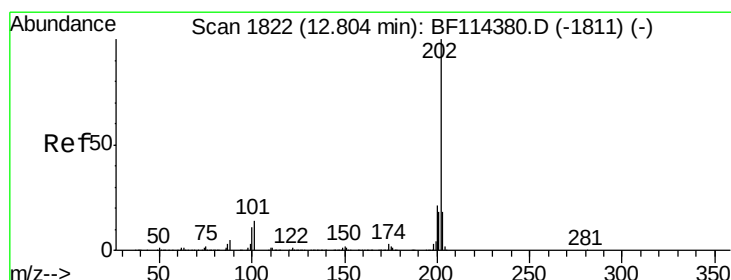
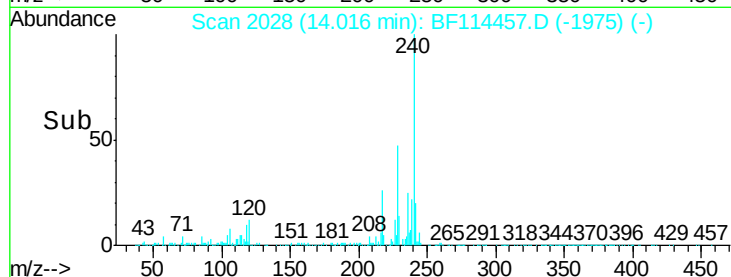
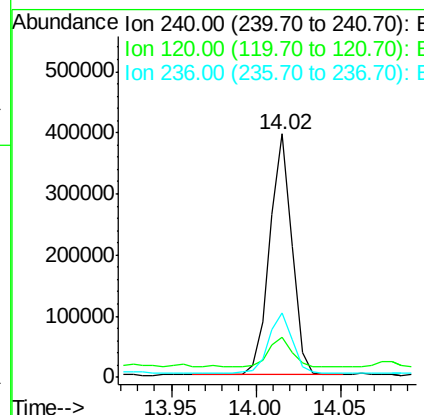
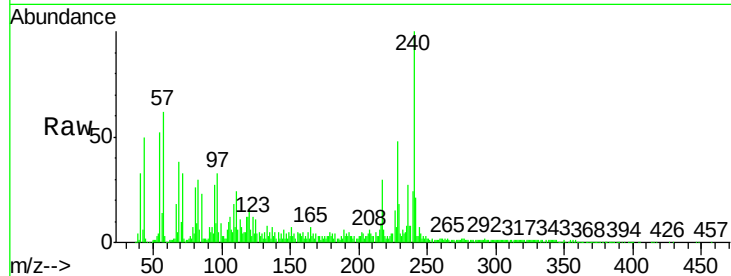
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	360013		
120	16.3	8.3	12.5#	
236	26.7	20.8	31.2	

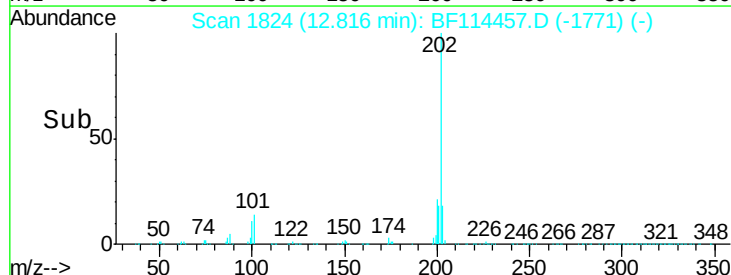
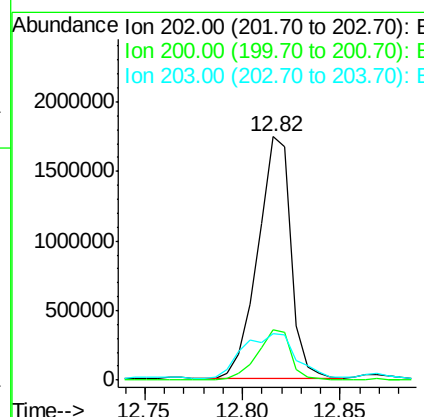
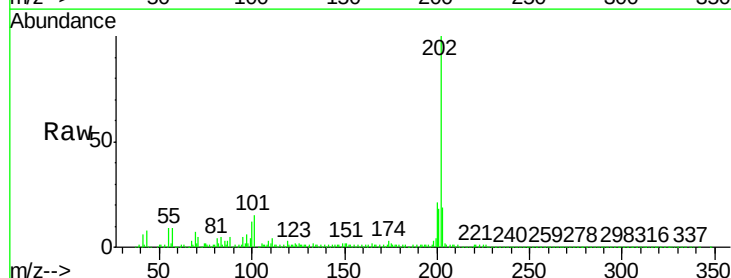
Manual Integrations
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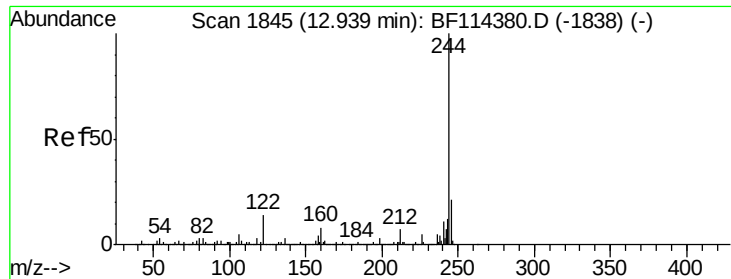
Sohil
5/23/2019 8:15:44 AM



#78
Pyrene
Concen: 70.458 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2040547		
200	20.9	16.9	25.3	
203	19.1	14.5	21.7	





#79

Terphenyl-d14

Concen: 18.717 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

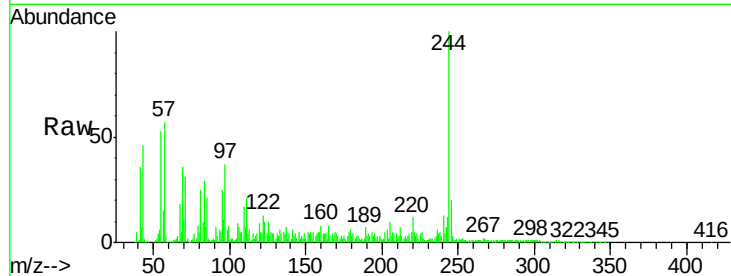
ClientSampled :

SB-03(25.5-26)DL

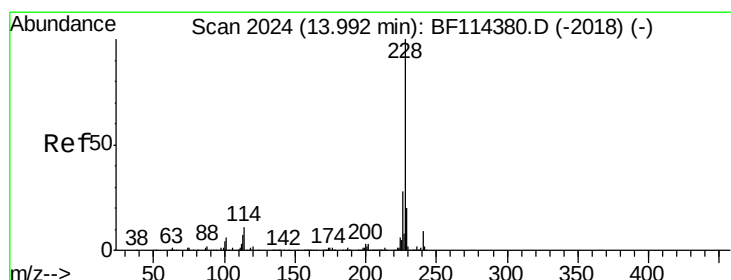
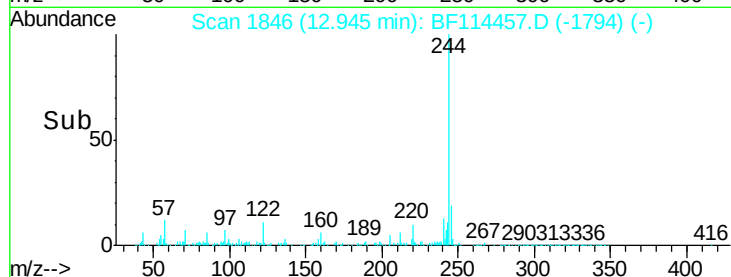
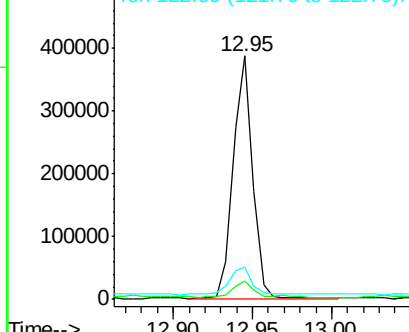
Tgt Ion:	244	Resp:	326880
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.6
122	13.3	9.4	14.2

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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: 36.728 ng

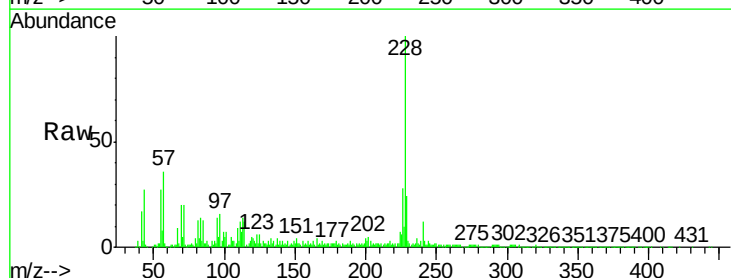
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

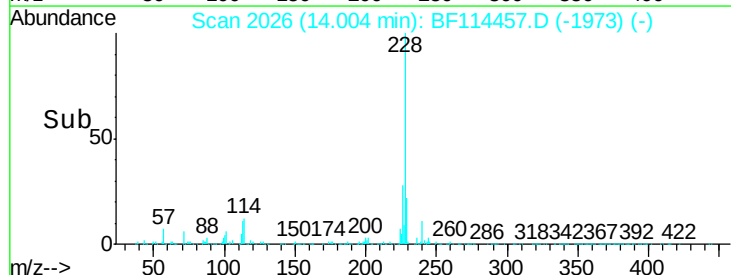
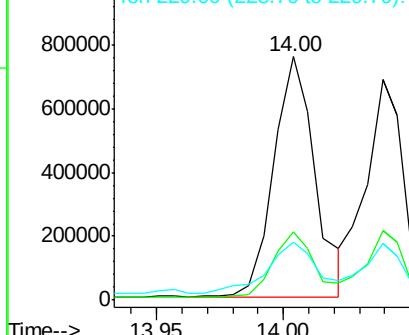
Lab File: BF114457.D

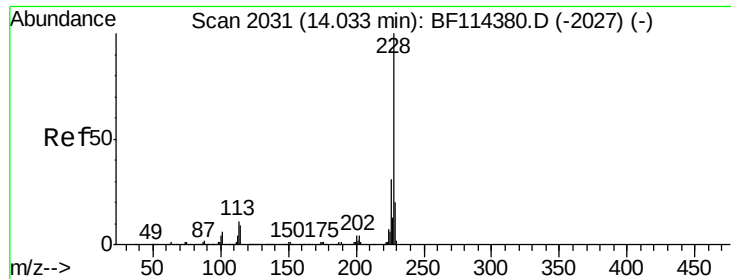
Acq: 21 May 2019 15:51

Tgt Ion:	228	Resp:	855230
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.2	33.2
229	23.7	16.4	24.6



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





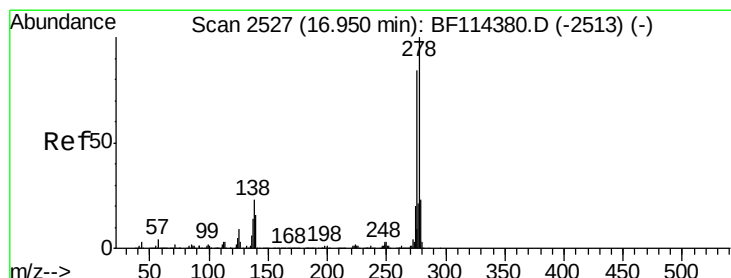
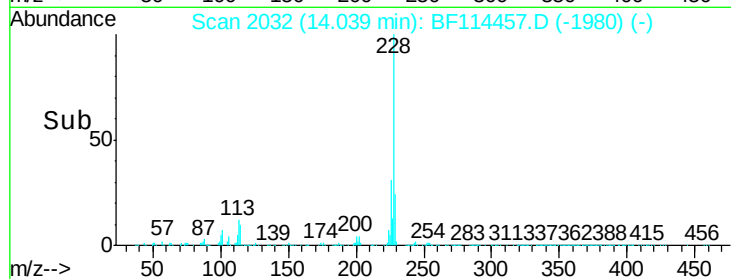
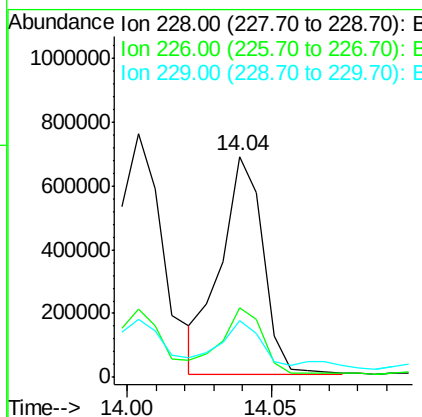
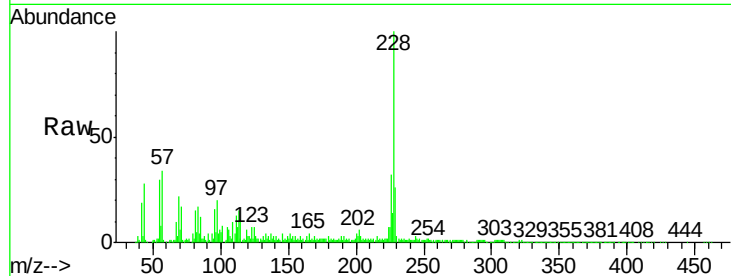
#83
Chrysene
Concen: 30.613 ng m
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	698788		
226	31.6	25.0	37.6	
229	25.6	17.0	25.6	

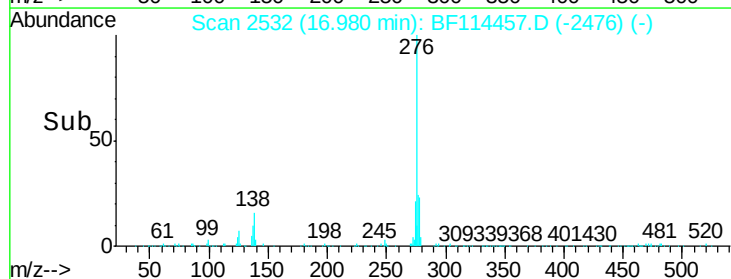
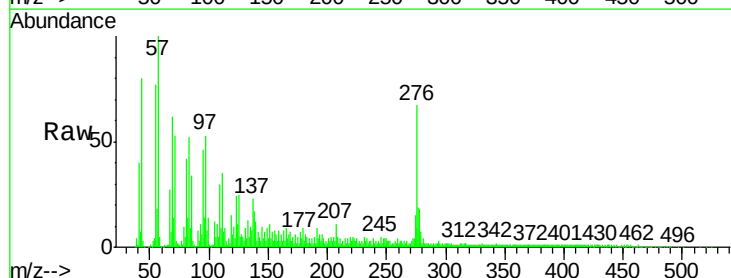
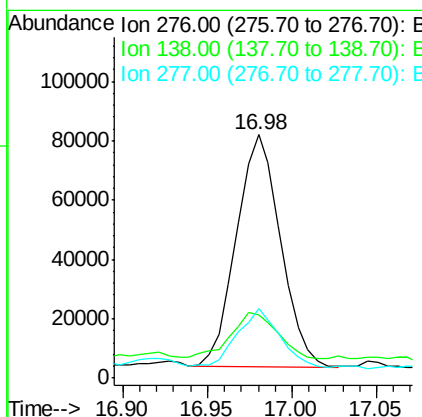
Manual Integrations
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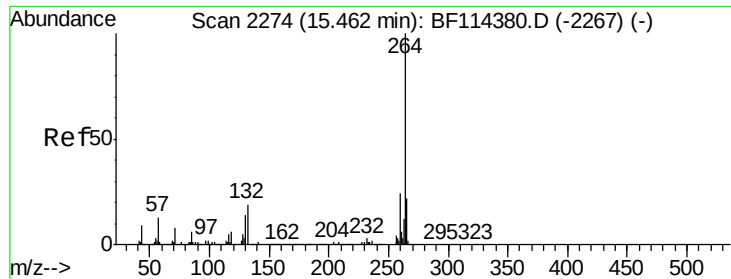
Sohil
5/23/2019 8:15:44 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.057 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.03 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	142358		
138	20.9	20.2	30.2	
277	25.3	20.0	30.0	





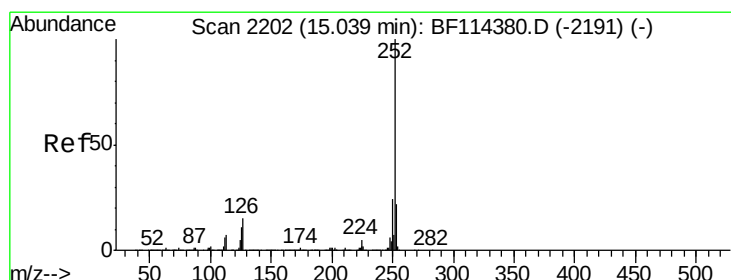
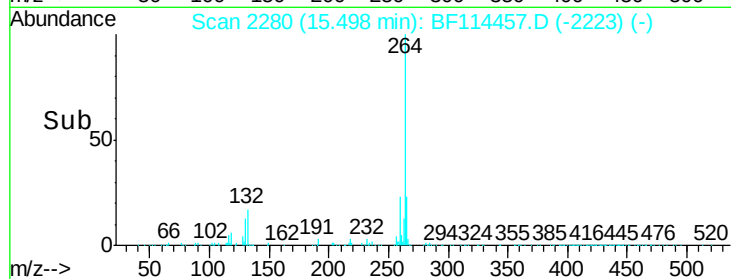
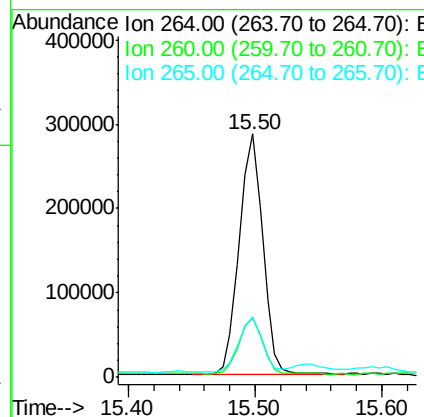
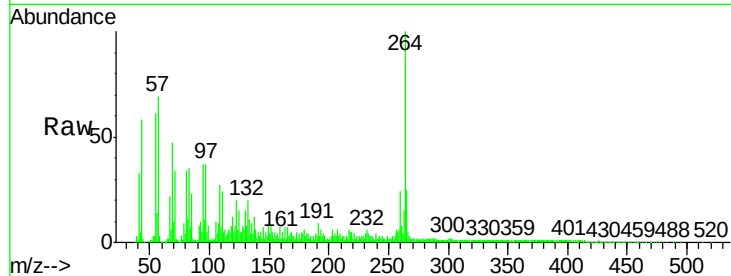
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.3	19.4	29.0
265	24.7	16.9	25.3

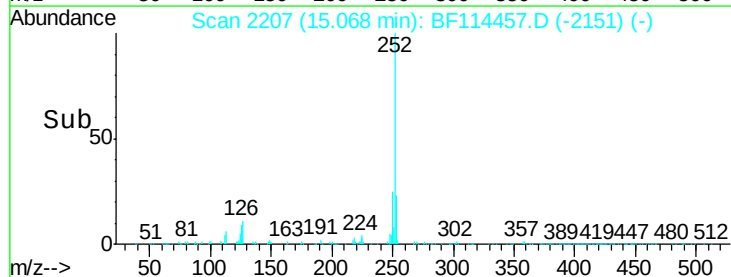
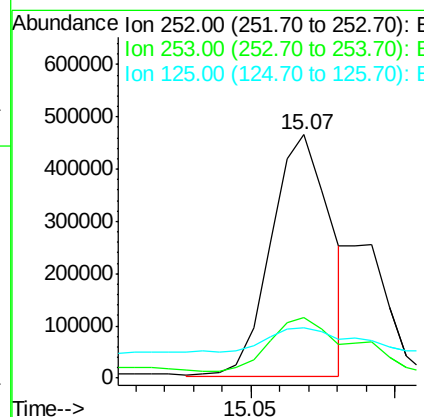
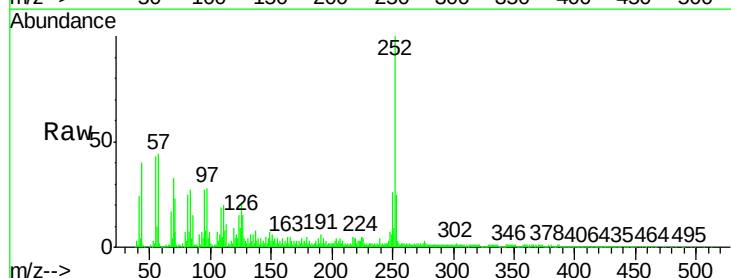
Manual Integrations
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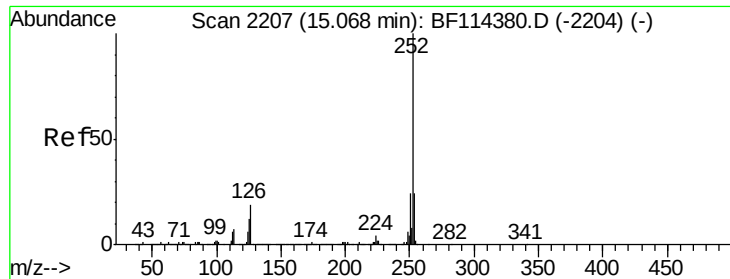
Sohil
5/23/2019 8:15:44 AM



#88
Benzo(b)fluoranthene
Concen: 28.109 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.03 min
Lab File: BF114457.D
Acq: 21 May 2019 15:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.8	17.8	26.8
125	20.9	8.3	12.5#





#89

Benzo(k)fluoranthene

Concen: 11.763 ng m

RT: 15.09 min Scan# 2211

Delta R.T. 0.02 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

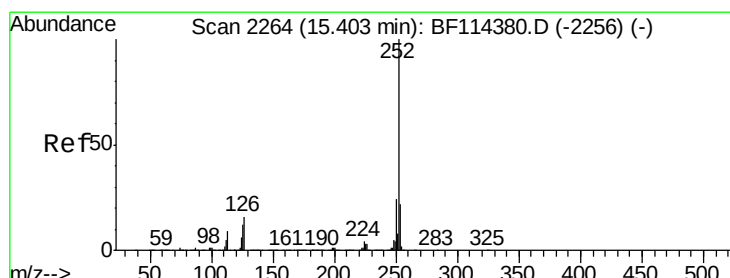
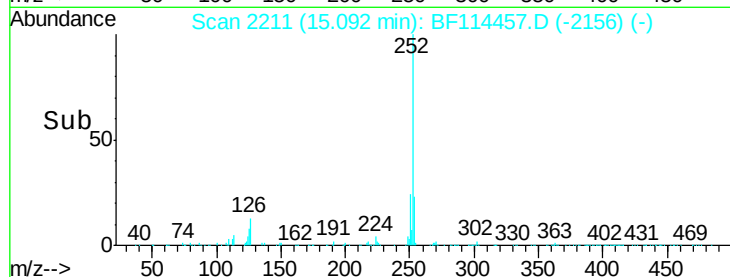
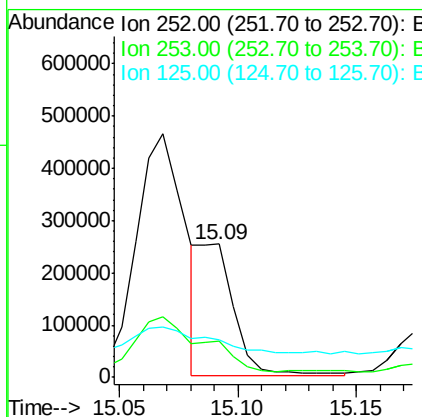
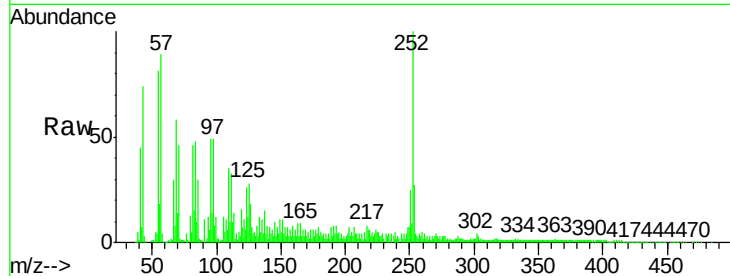
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	252	Resp:	254062
Ion Ratio	Lower	Upper	
252	100		
253	26.8	18.2	27.2
125	27.8	8.6	13.0#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 21.315 ng

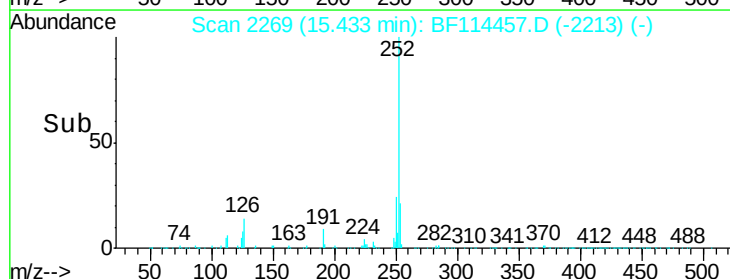
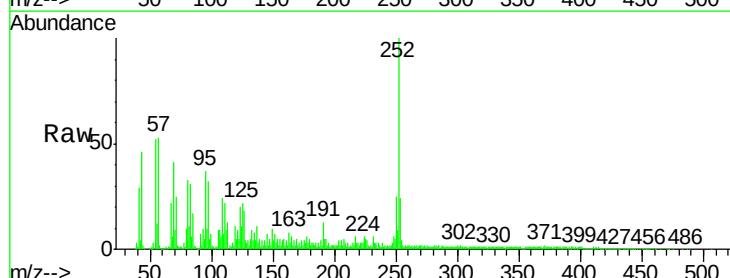
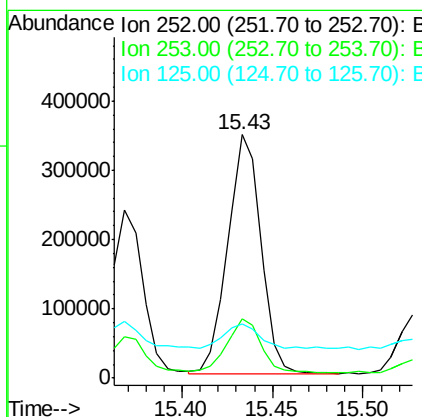
RT: 15.43 min Scan# 2269

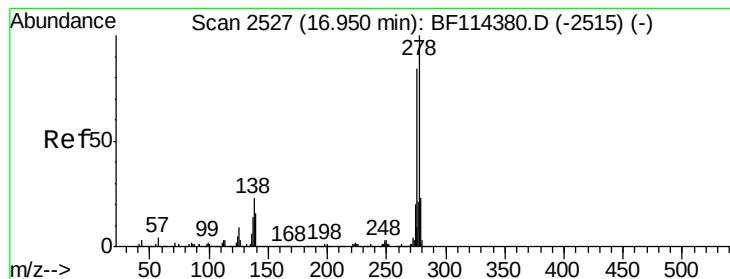
Delta R.T. 0.03 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Tgt Ion:	252	Resp:	441055
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.1	27.1
125	22.3	9.5	14.3#





#91

Dibenzo(a,h)anthracene

Concen: 2.504 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.03 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Instrument :

BNA_F

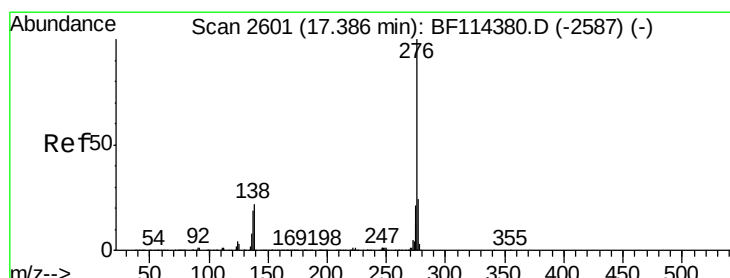
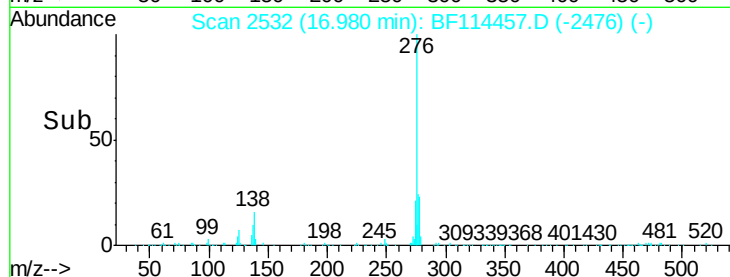
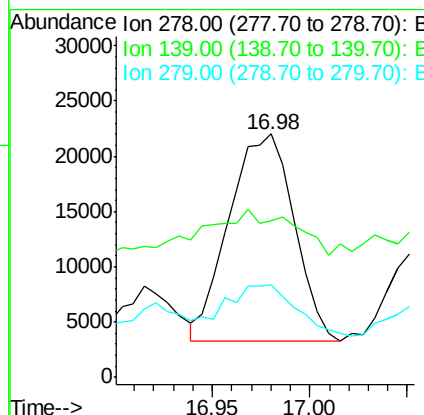
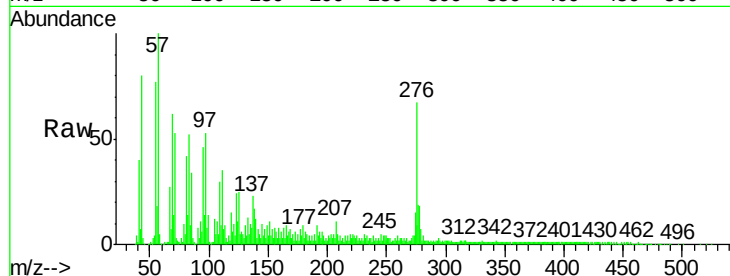
ClientSampleId :

SB-03(25.5-26)DL

Tgt Ion:	278	Resp:	43048
Ion Ratio	Lower	Upper	
278	100		
139	64.4	13.5	20.3#
279	37.9	19.0	28.6#

Manual Integrations
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Sohil
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#92

Benzo(g,h,i)perylene

Concen: 7.277 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.05 min

Lab File: BF114457.D

Acq: 21 May 2019 15:51

Tgt Ion:	276	Resp:	125392
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.0	28.4
138	27.8	17.8	26.6#

