

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114253.D
 Acq On : 14 May 2019 10:16
 Operator : JU/SJ
 Sample : K2764-12DL 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0206-01DL

Manual Integrations
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 5/14/2019 8:03:42 PM

Quant Time: May 14 12:07:09 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	6.85	152	220932	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	849887	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	390661	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	716263	20.00	ng	0.00
76) Chrysene-d12	14.02	240	494223	20.00	ng	0.00
87) Perylene-d12	15.50	264	458281	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	839728	61.17	ng	0.00
7) Phenol-d6	6.50	99	1108529	68.27	ng	0.00
23) Nitrobenzene-d5	7.42	82	665030	43.91	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	245350	60.75	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1146592	44.40	ng	0.00
79) Terphenyl-d14	12.96	244	981656	40.95	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	101102	2.547	ng	95
49) Acenaphthylene	9.75	152	143636	3.718	ng	97
50) Dimethylphthalate	9.60	163	163183	5.690	ng	99
71) Phenanthrene	11.40	178	461183	13.234	ng	98
72) Anthracene	11.45	178	89072	2.545	ng	98
75) Fluoranthene	12.59	202	774202	20.631	ng	98
78) Pyrene	12.82	202	1373315	34.542	ng	99
81) Benzo(a)anthracene	14.01	228	452681m	14.161	ng	
83) Chrysene	14.04	228	557368	17.787	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	171364	6.188	ng	96
88) Benzo(b)fluoranthene	15.07	252	531286m	18.096	ng	
89) Benzo(k)fluoranthene	15.09	252	130737m	4.847	ng	
90) Benzo(a)pyrene	15.43	252	274326	10.617	ng	99
91) Dibenzo(a,h)anthracene	16.98	278	48629m	2.265	ng	
92) Benzo(a,h,i)perylene	17.43	276	189866	8.824	ng	96

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

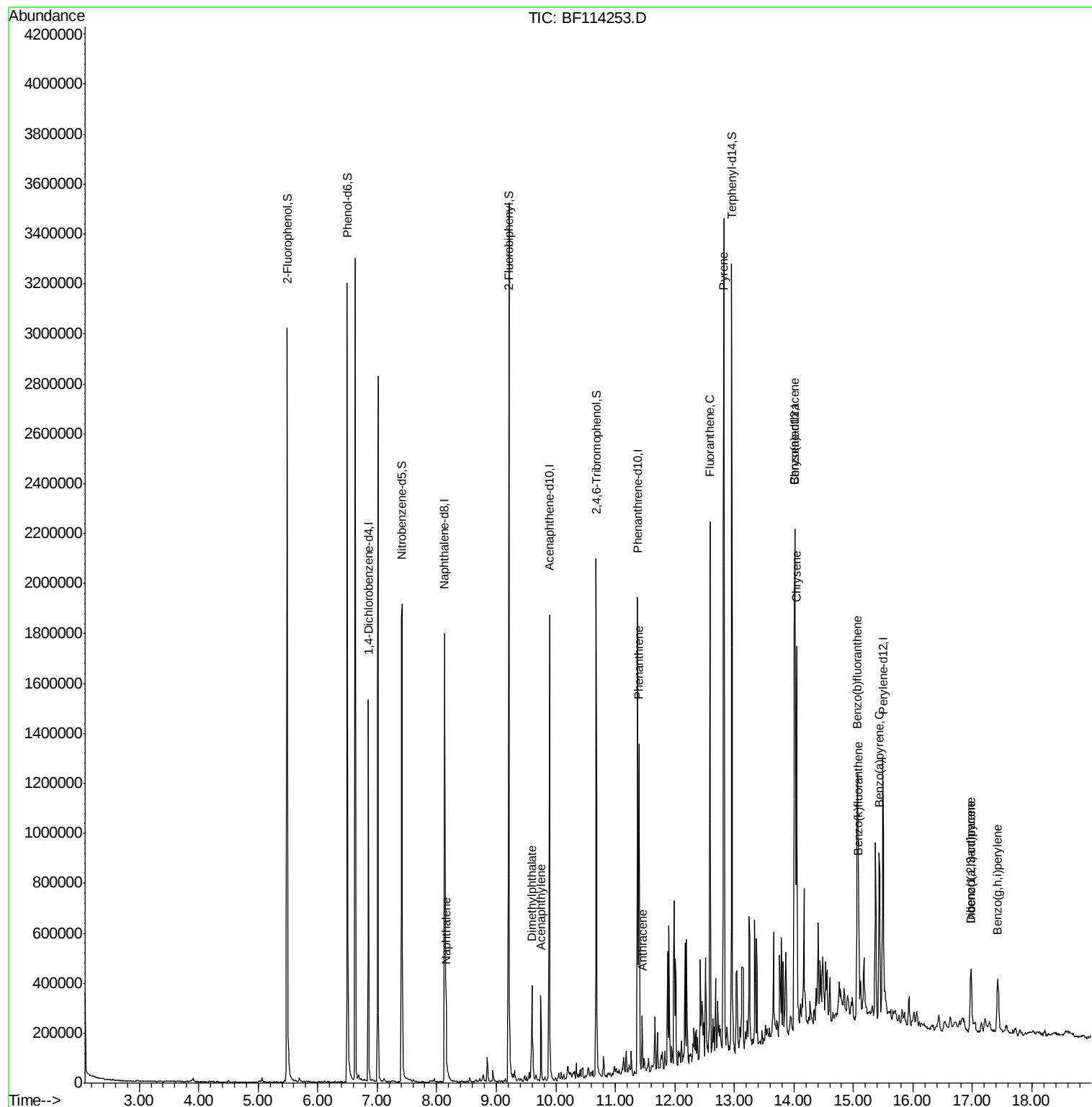
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114253.D
Acq On : 14 May 2019 10:16
Operator : JU/SJ
Sample : K2764-12DL 2X
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ALS Vial : 32 Sample Multiplier: 1

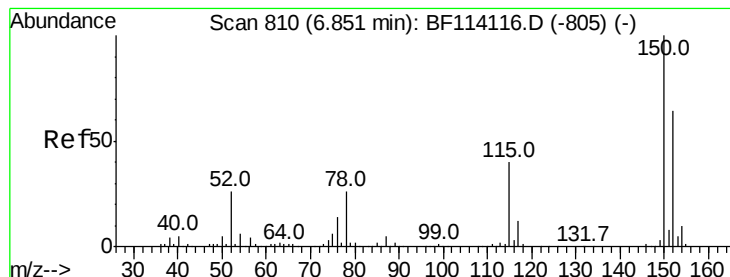
Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

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Quant Time: May 14 12:07:09 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





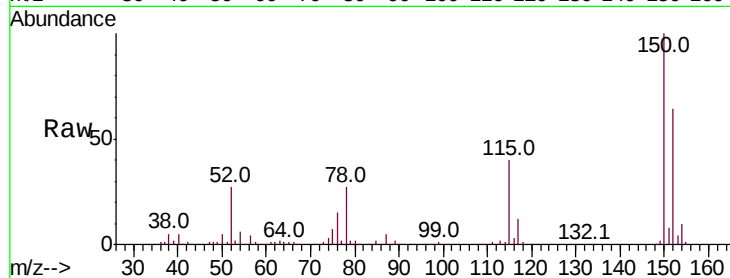
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF114253.D
 Acq: 14 May 2019 10:16

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.3	186.5
115	62.9	49.1	73.7

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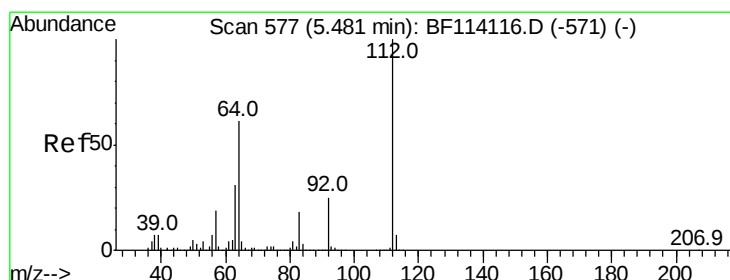
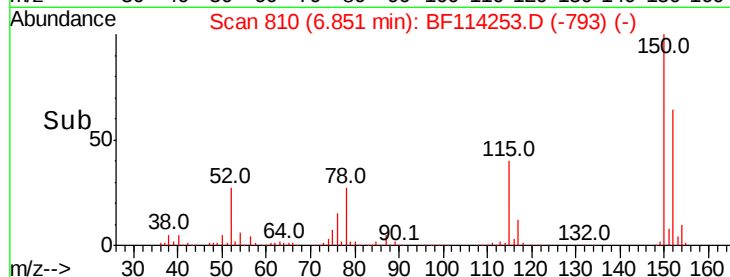
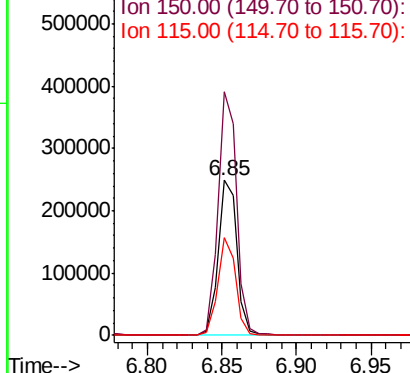


Abundance

Ion 152.00 (151.70 to 152.70): E

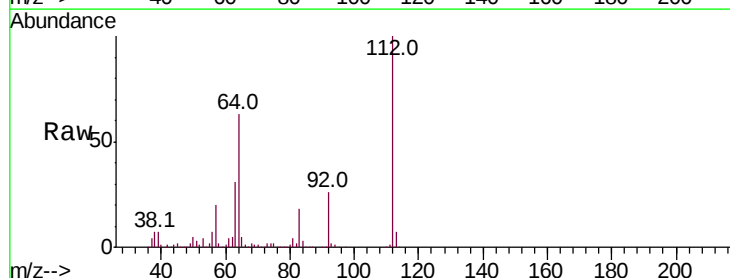
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 61.166 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114253.D
 Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	49.0	73.6
63	31.3	24.6	37.0

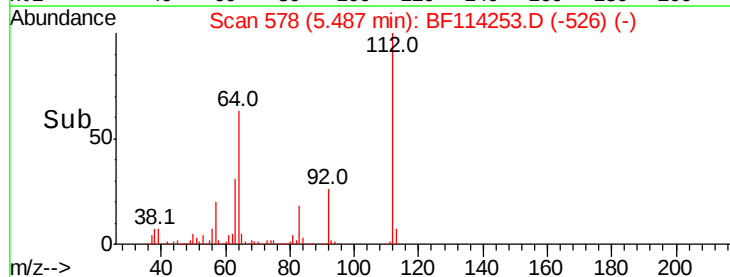
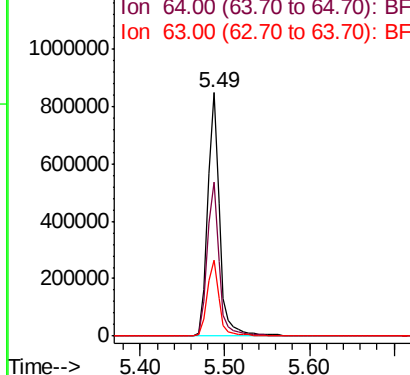


Abundance

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: 68.270 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114253.D

Acq: 14 May 2019 10:16

Instrument :

BNA_F

ClientSampleId :

P026-SS001-0206-01DL

Tot Ion: 99 Resp: 1108529

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

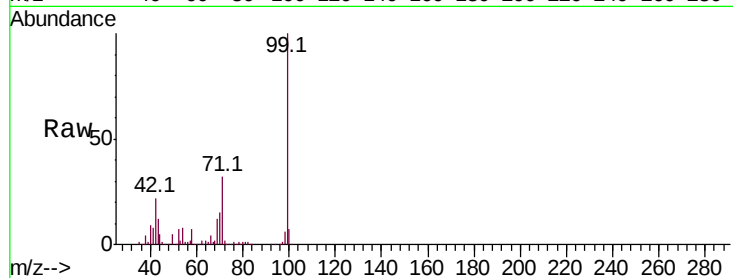
71 31.9 26.2 39.2

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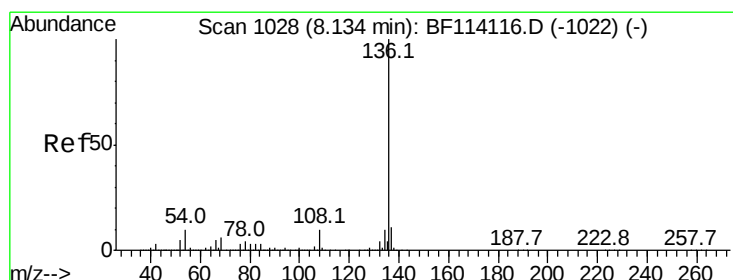
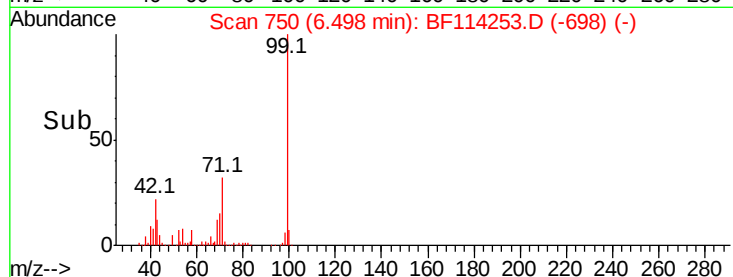
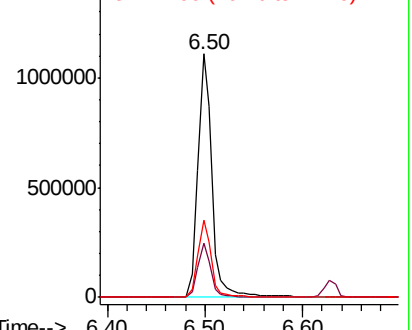
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF114253.D

Acq: 14 May 2019 10:16

Tgt Ion: 136 Resp: 849887

Ion Ratio Lower Upper

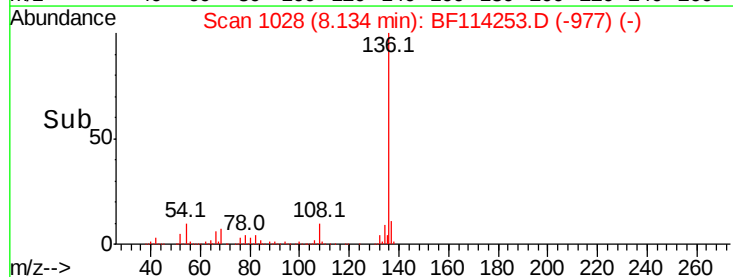
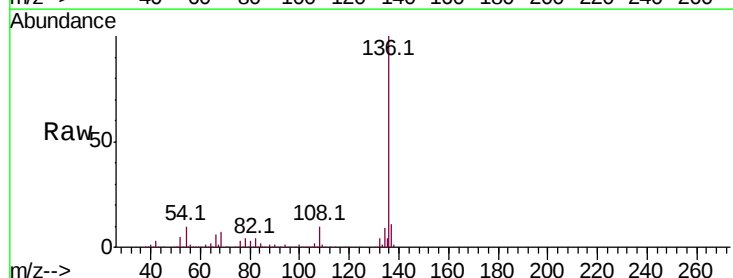
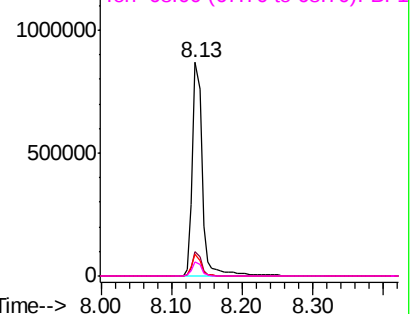
136 100

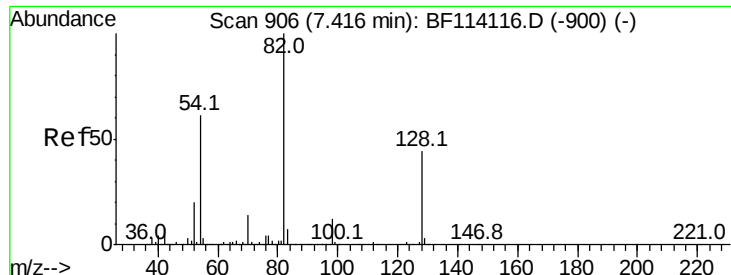
137 11.5 8.8 13.2

54 10.3 7.8 11.8

68 6.9 5.1 7.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





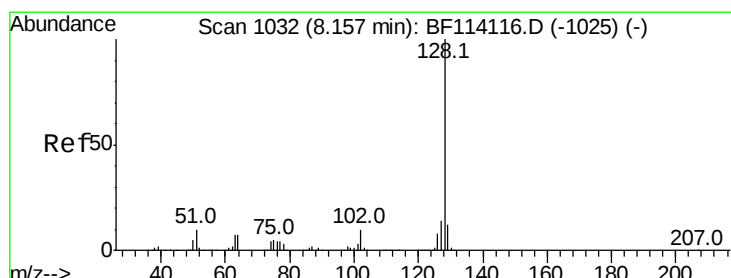
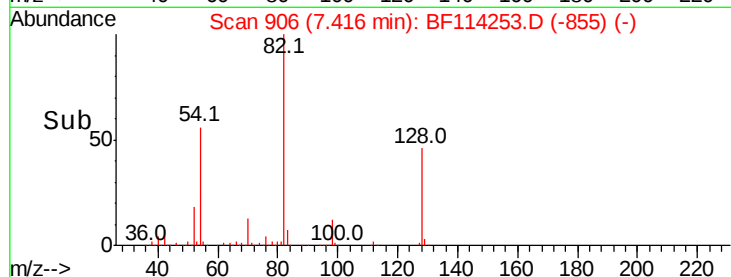
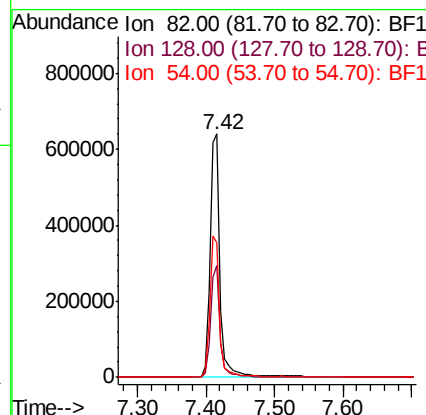
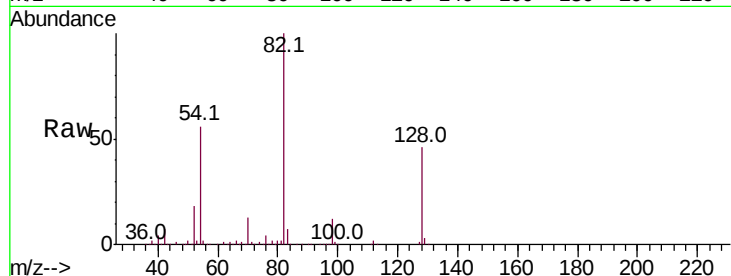
#23
Nitrobenzene-d5
Concen: 43.914 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.5	53.3
54	55.6	48.5	72.7

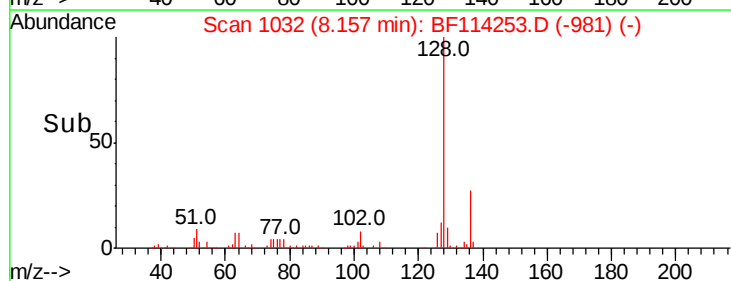
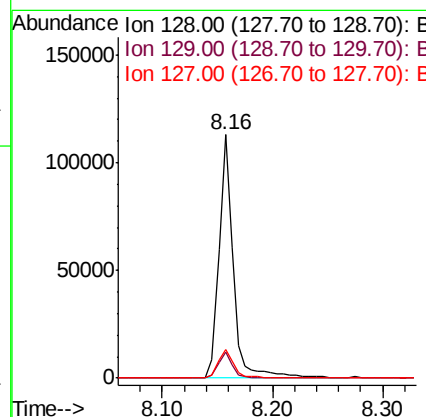
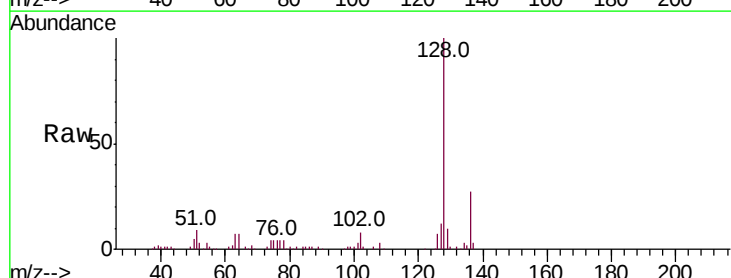
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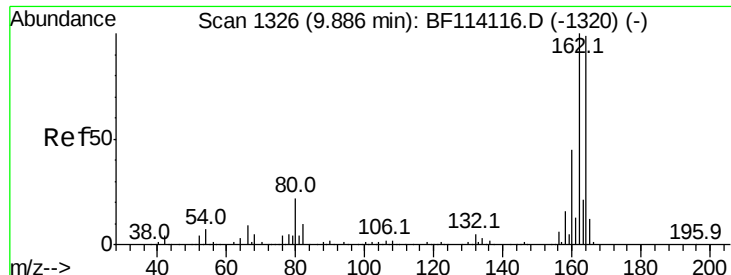
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#31
Naphthalene
Concen: 2.547 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.6	14.4
127	11.8	11.3	16.9





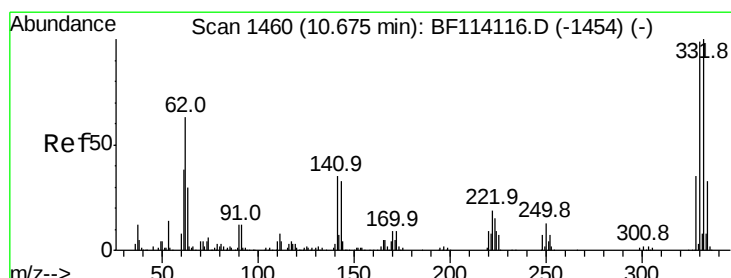
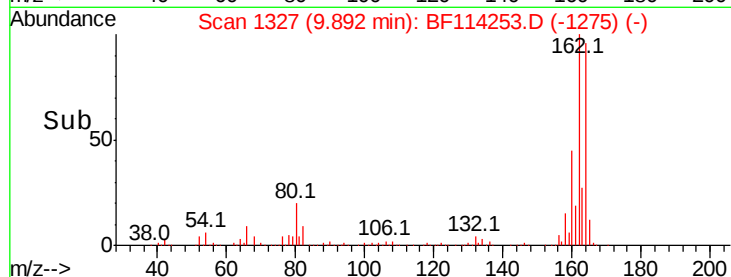
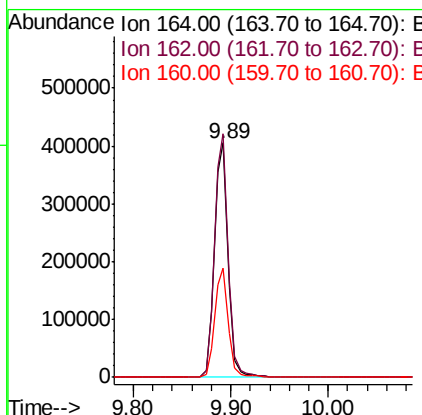
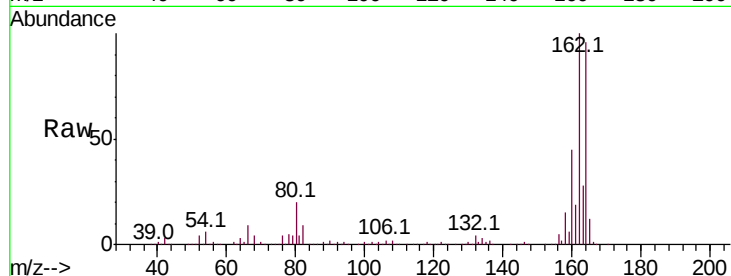
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	390661		
162	104.0	80.6	120.8	
160	46.6	36.5	54.7	

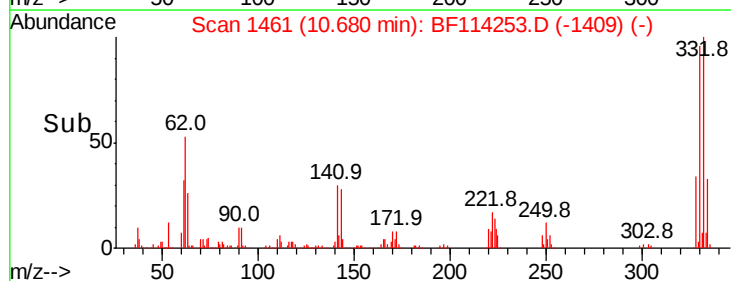
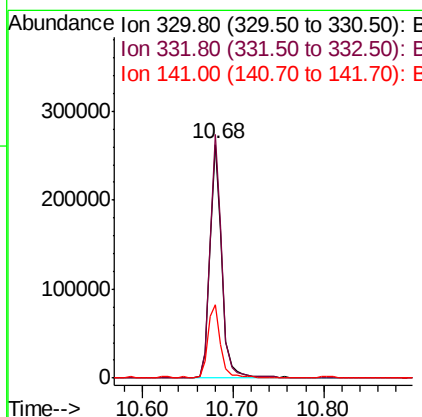
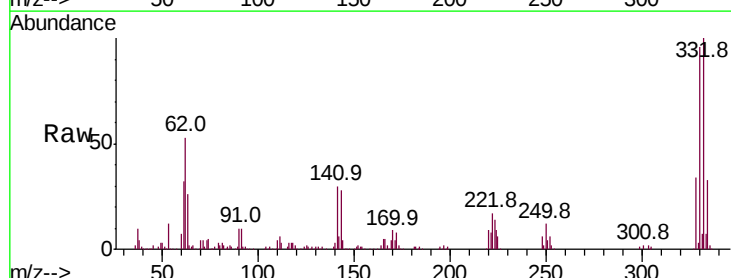
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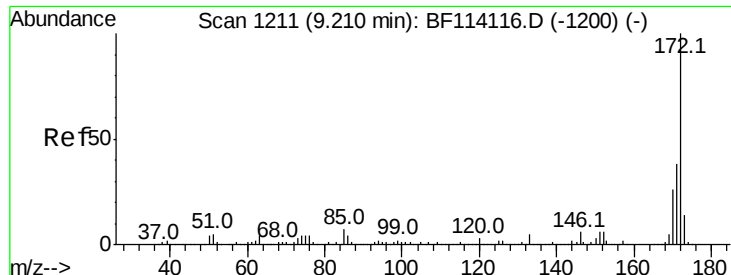
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#42
2,4,6-Tribromophenol
Concen: 60.749 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	245350		
332	102.6	81.4	122.2	
141	32.8	26.6	40.0	





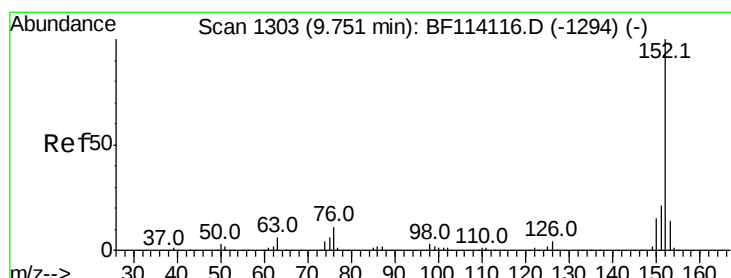
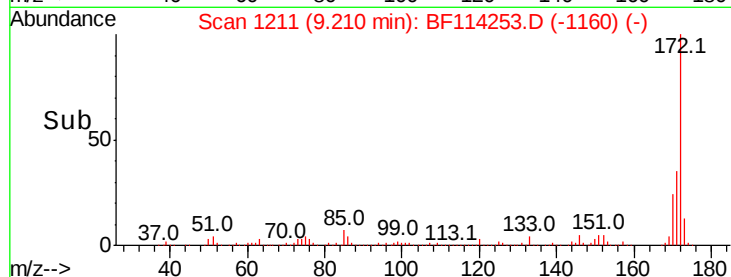
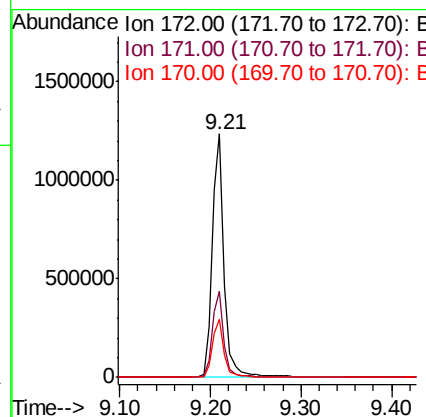
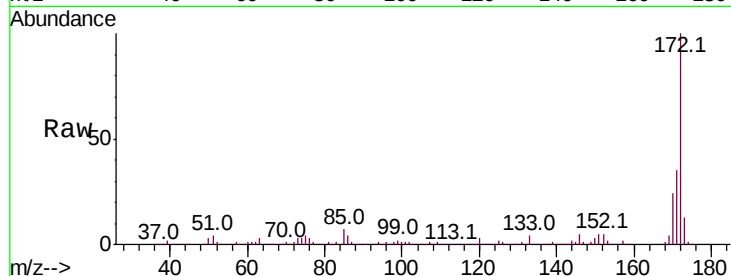
#45
2-Fluorobiphenyl
Concen: 44.397 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.7	46.1
170	23.7	20.5	30.7

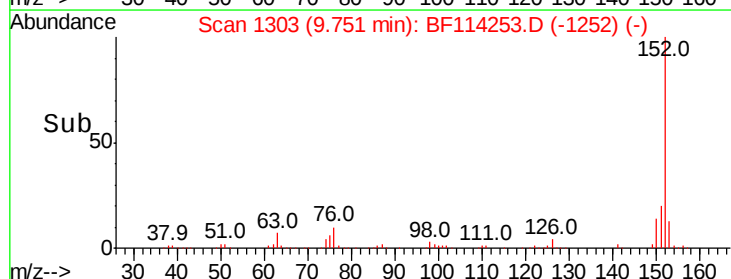
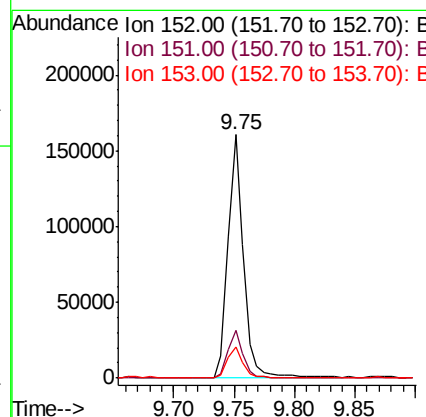
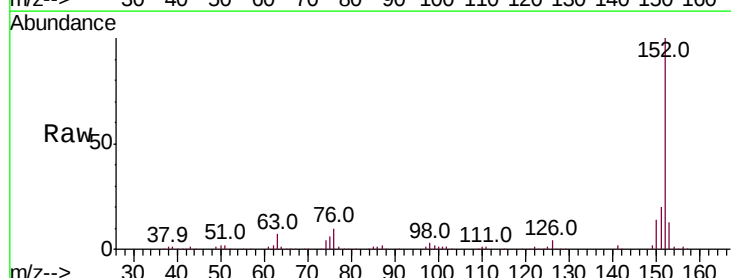
Manual Integrations
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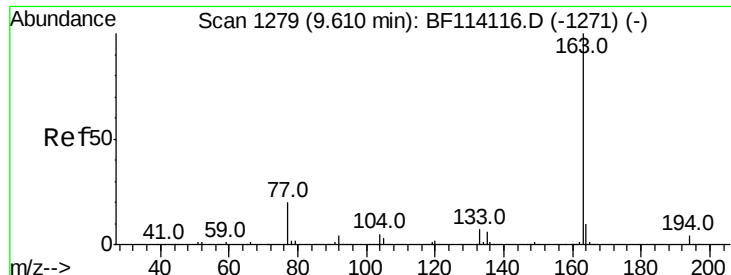
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#49
Acenaphthylene
Concen: 3.718 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	12.9	11.4	17.2





#50

Dimethylphthalate

Concen: 5.690 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114253.D

Acq: 14 May 2019 10:16

Instrument :

BNA_F

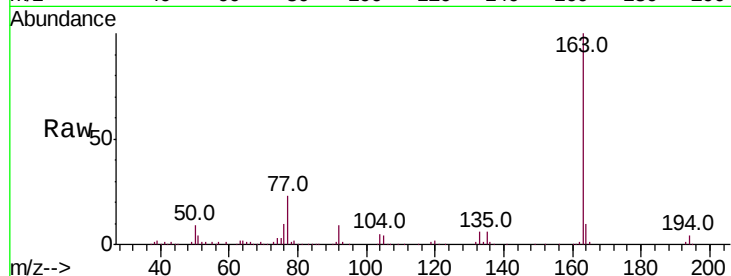
ClientSampleId :

P026-SS001-0206-01DL

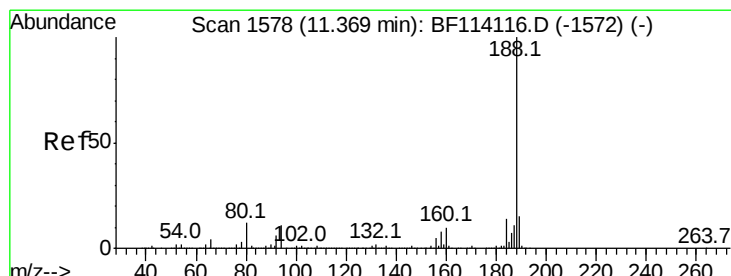
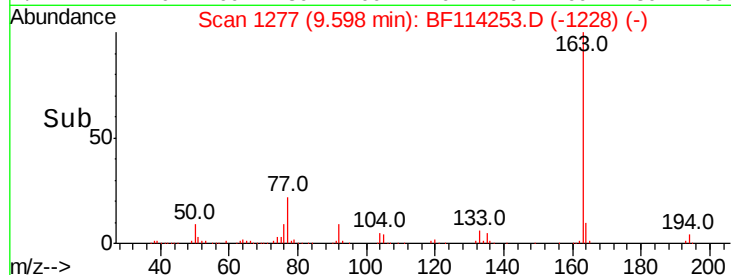
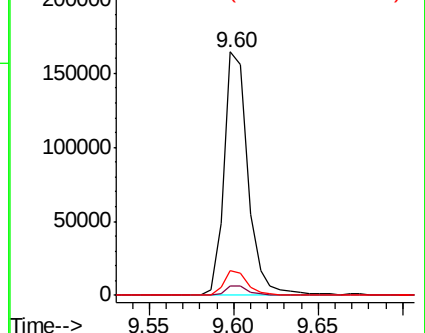
Tot Ion:	163	Resp:	163183
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.4	5.0
164	10.3	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

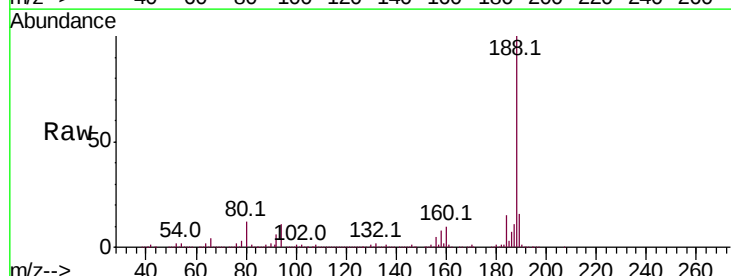
RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

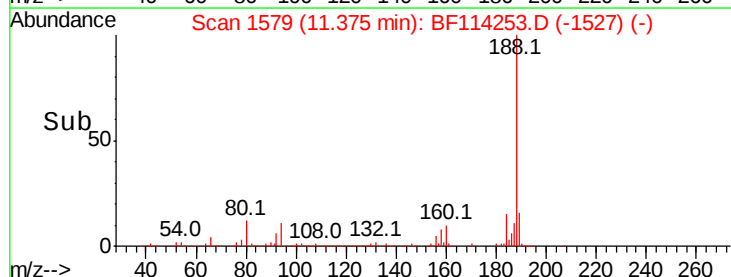
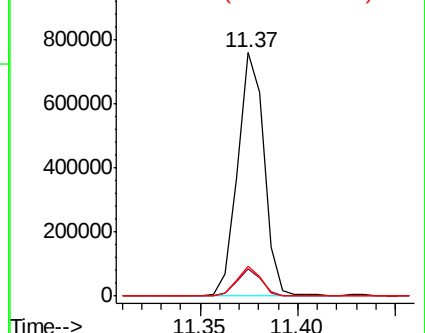
Lab File: BF114253.D

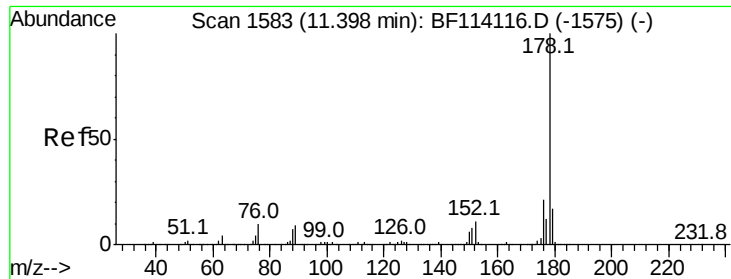
Acq: 14 May 2019 10:16

Tgt Ion:	188	Resp:	716263
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.4	12.6
80	12.1	9.2	13.8



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: 13.234 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF114253.D

Acq: 14 May 2019 10:16

Instrument :

BNA_F

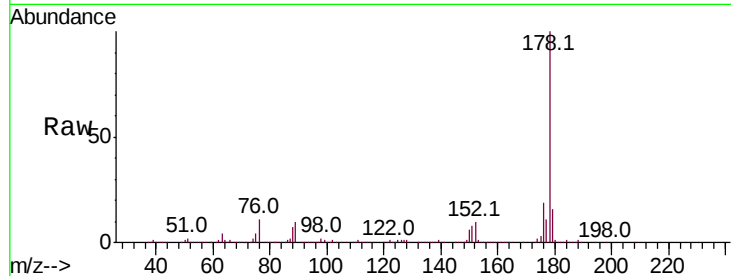
ClientSampleId :

P026-SS001-0206-01DL

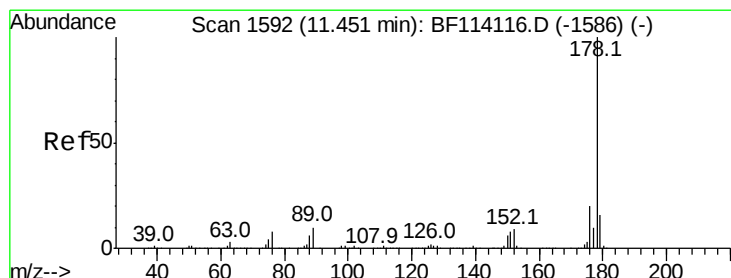
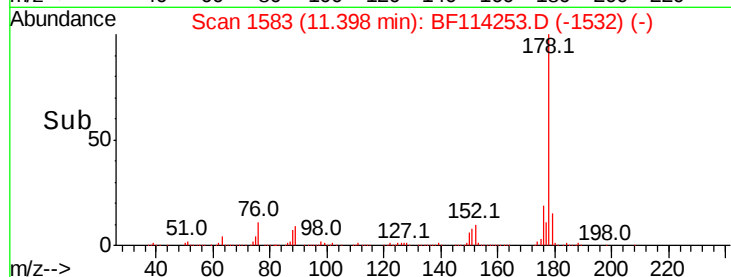
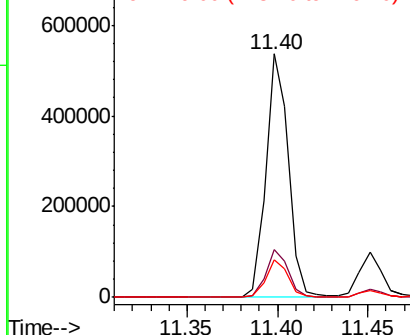
Tot Ion:178	Resp:	461183
Ion Ratio	Lower	Upper
178	100	
176	19.4	16.4 24.6
179	15.5	13.2 19.8

Manual Integrations
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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



#72

Anthracene

Concen: 2.545 ng

RT: 11.45 min Scan# 1592

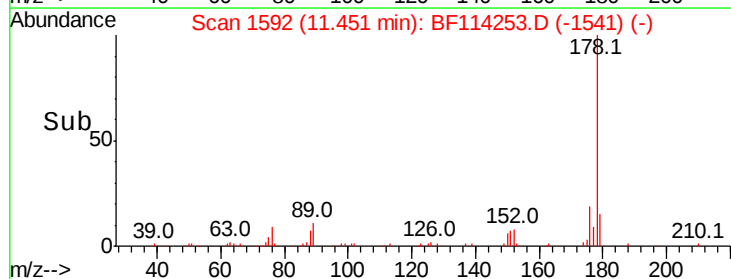
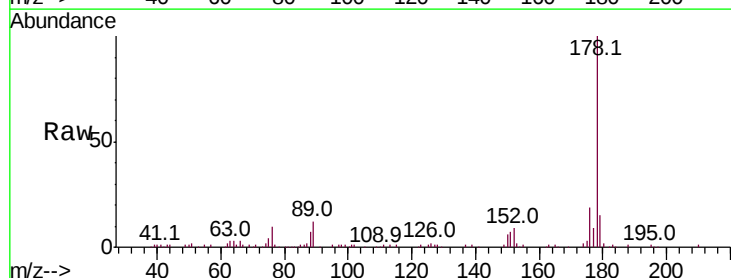
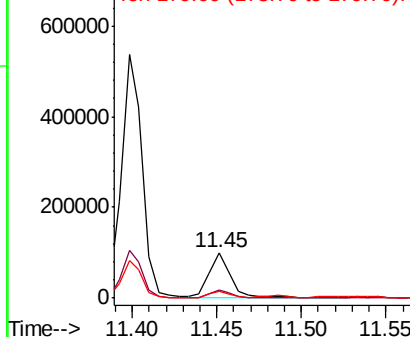
Delta R.T. 0.00 min

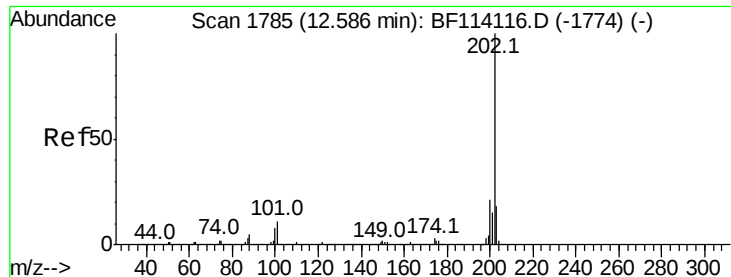
Lab File: BF114253.D

Acq: 14 May 2019 10:16

Tgt Ion:178	Resp:	89072
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.8 23.8
179	15.5	13.0 19.4

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: 20.631 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114253.D

Acq: 14 May 2019 10:16

Instrument :

BNA_F

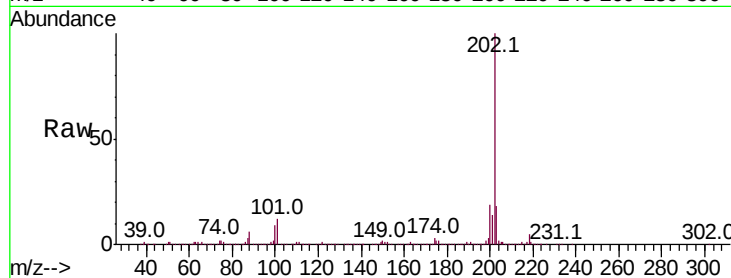
ClientSampleId :

P026-SS001-0206-01DL

Tot Ion:	202	Resp:	774202
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.0
203	17.8	0.0	38.4

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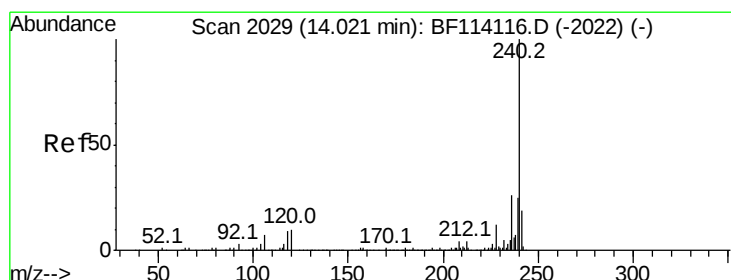
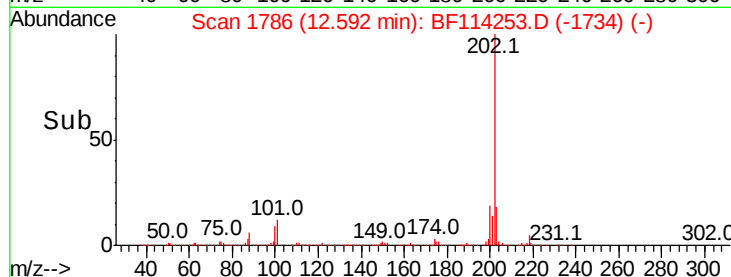
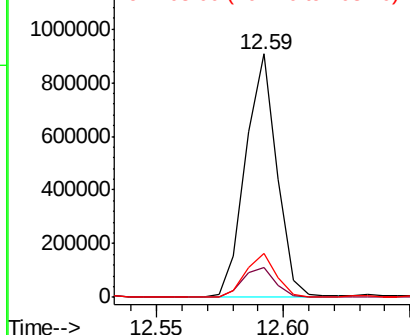


Abundance

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: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF114253.D

Acq: 14 May 2019 10:16

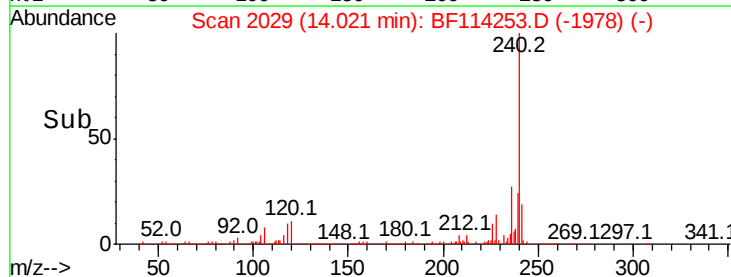
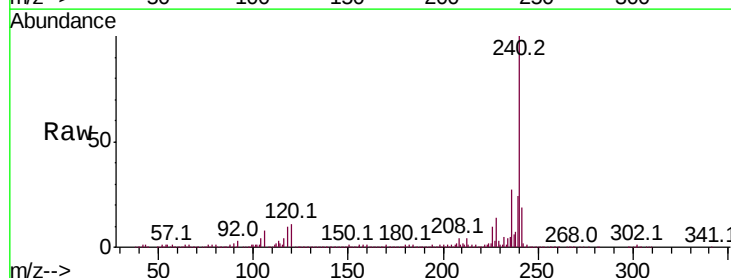
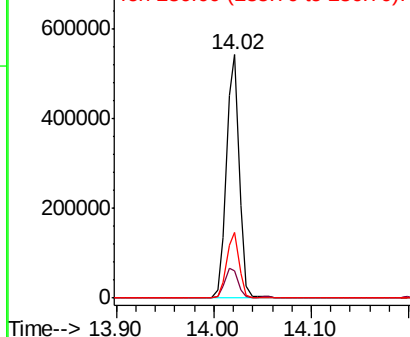
Tgt Ion:	240	Resp:	494223
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.3	12.5
236	27.0	20.8	31.2

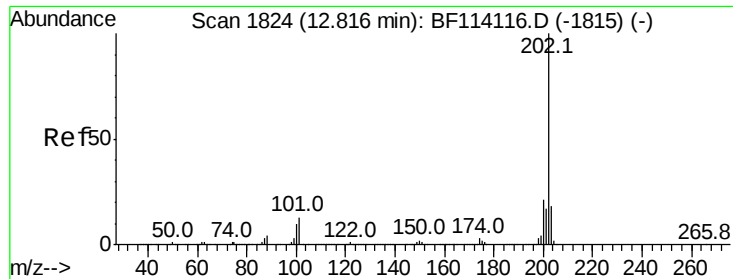
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





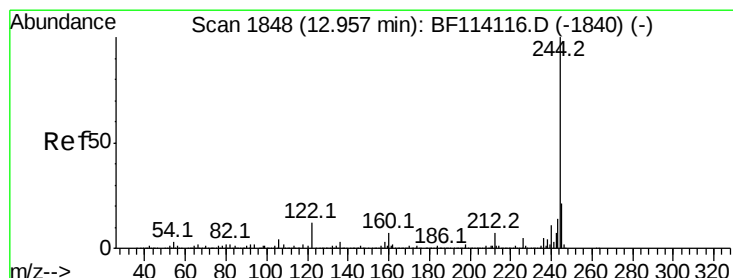
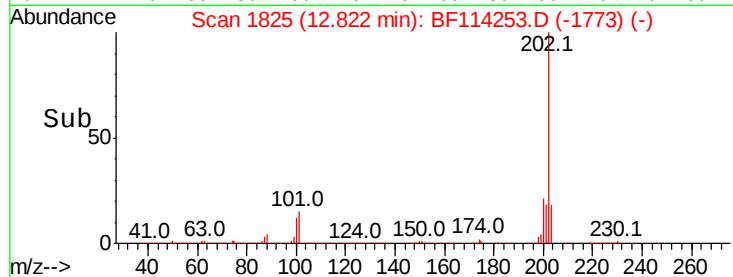
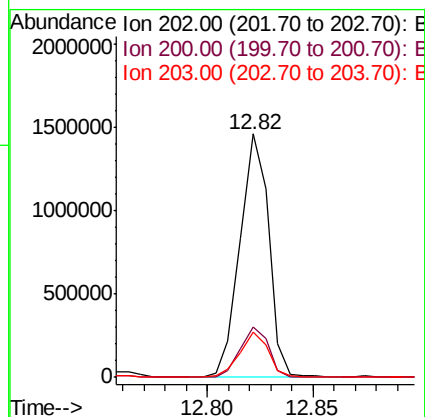
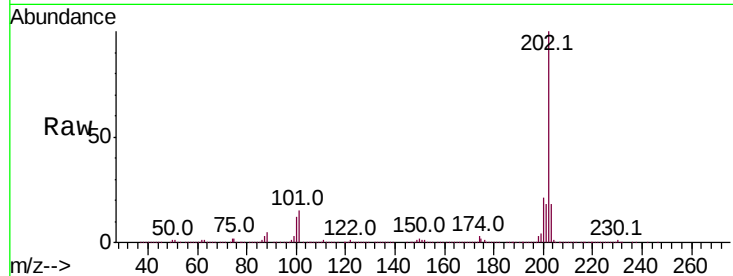
#78
Pvrene
Concen: 34.542 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.4	14.5	21.7

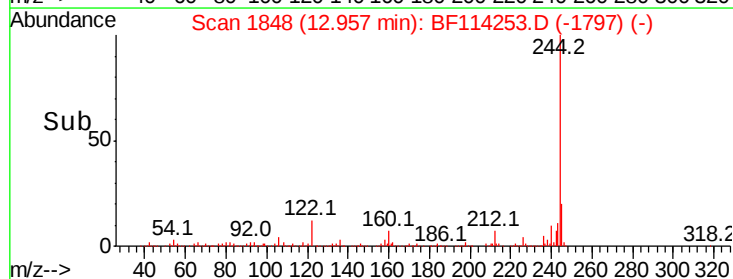
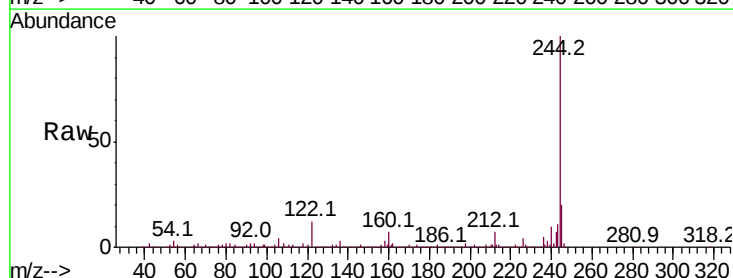
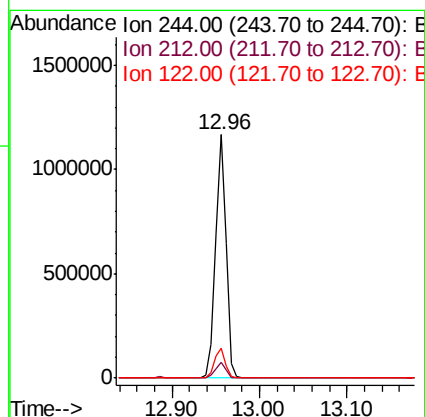
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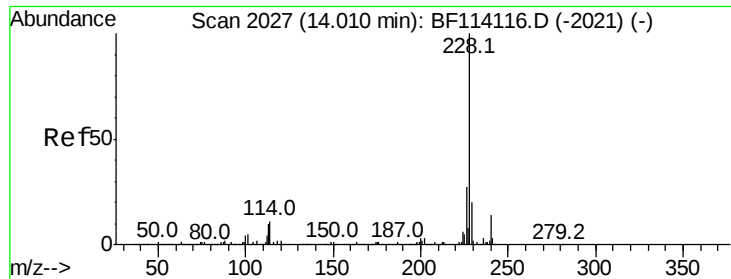
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#79
Terphenyl-d14
Concen: 40.945 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.3	9.4	14.2





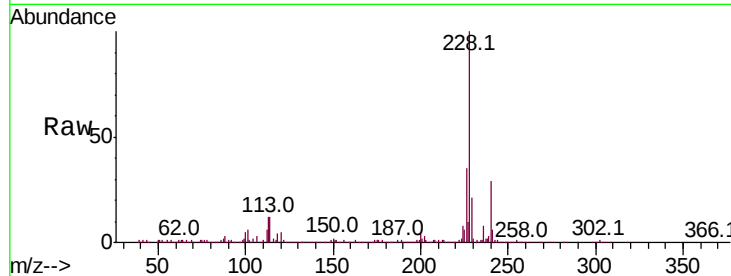
#81
Benzo(a)anthracene
Concen: 14.161 ng m
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.2	33.2#
229	20.6	16.4	24.6

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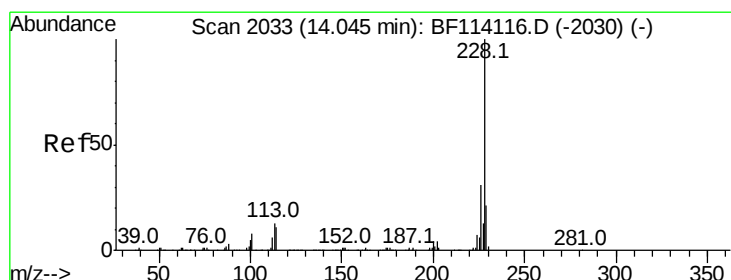
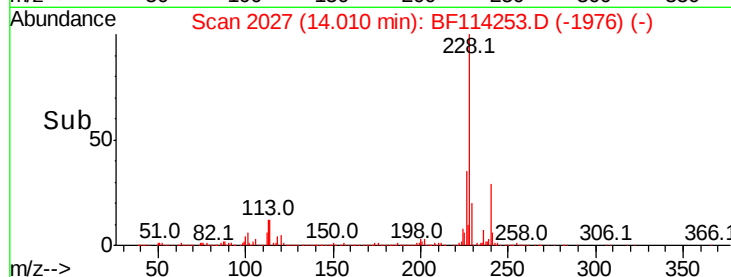
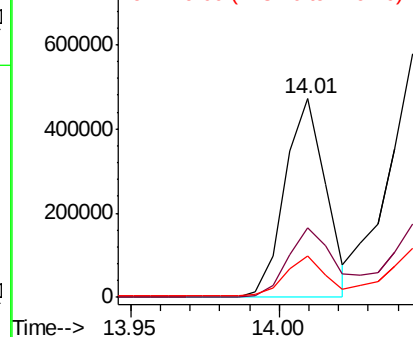


Abundance

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: 17.787 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

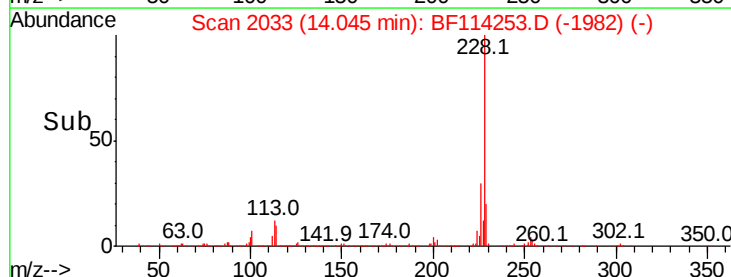
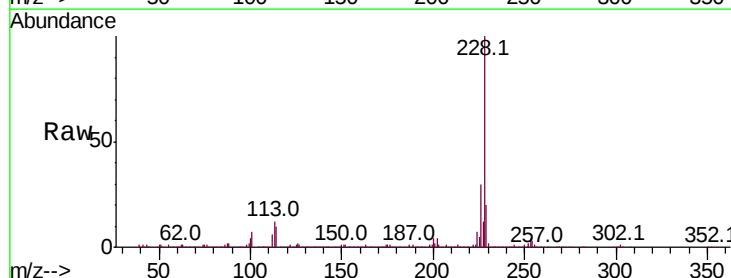
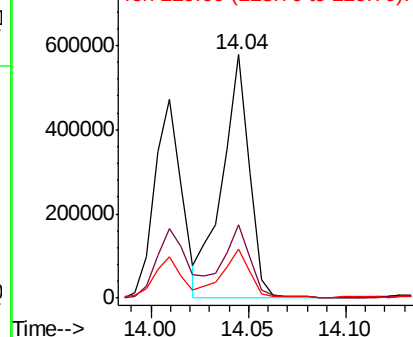
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	20.1	17.0	25.6

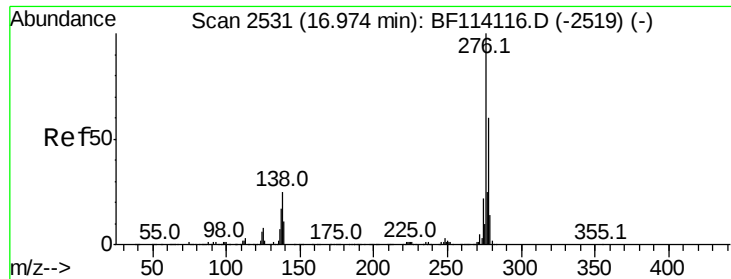
Abundance

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





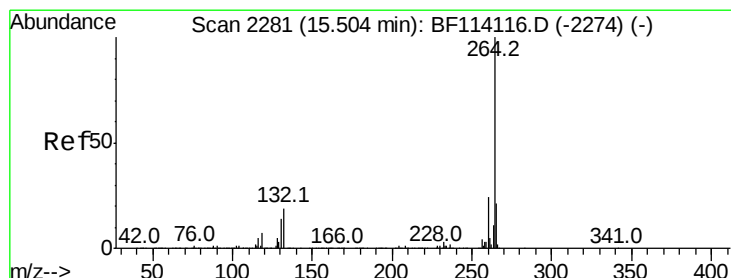
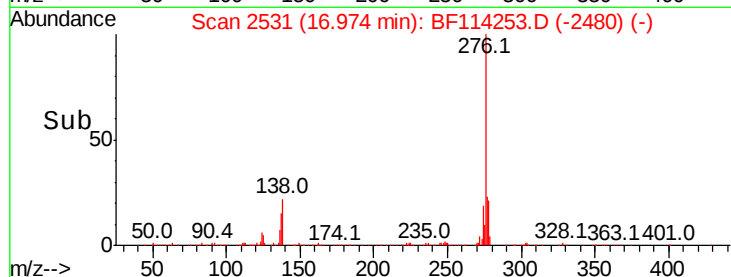
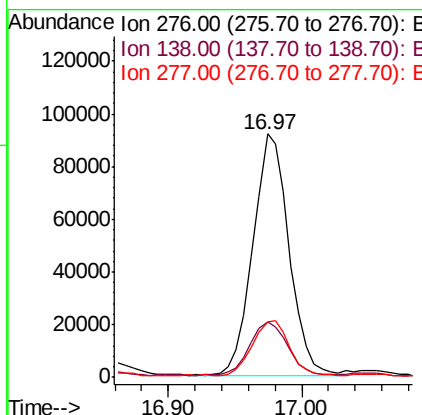
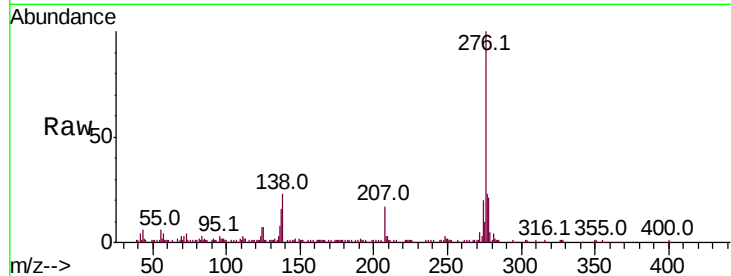
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.188 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: BF114253.D
 Acq: 14 May 2019 10:16

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.2	30.2
277	23.1	20.0	30.0

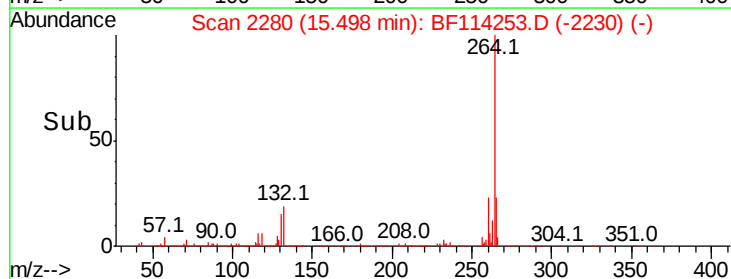
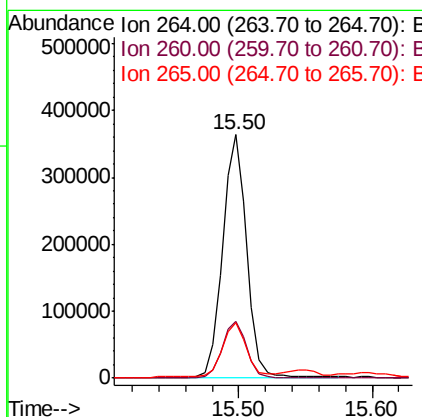
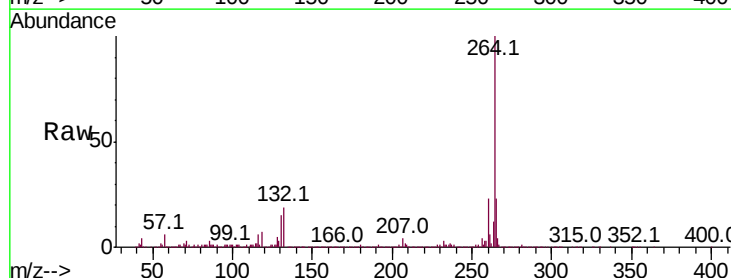
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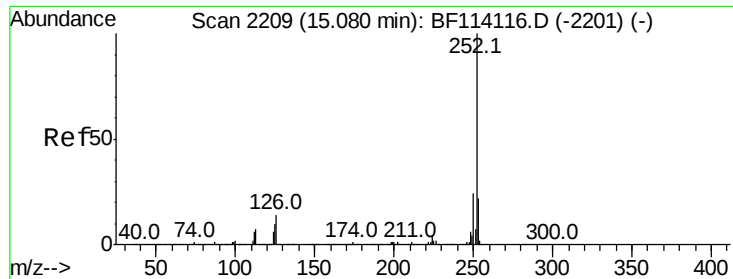
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF114253.D
 Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	22.7	16.9	25.3





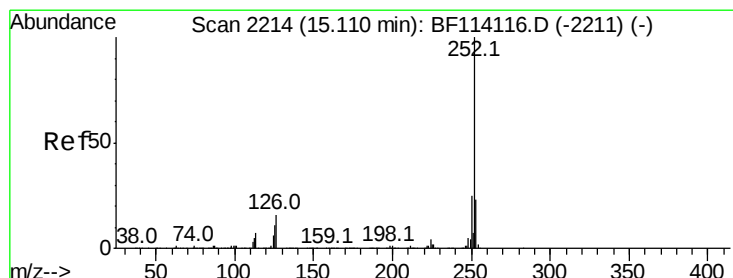
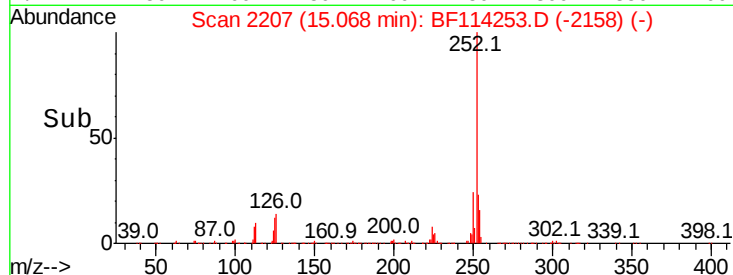
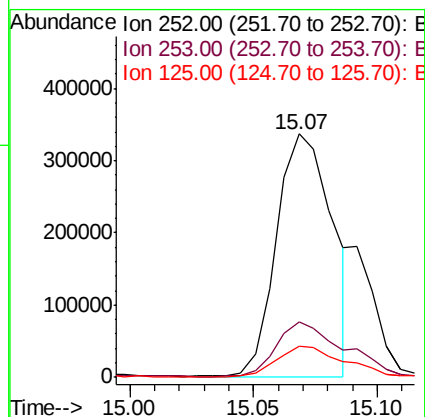
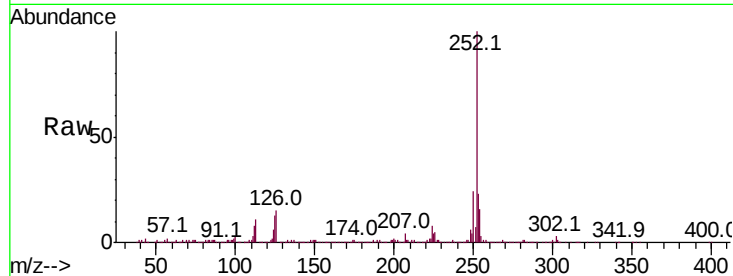
#88
Benzo(b)fluoranthene
Concen: 18.096 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	13.0	8.3	12.5

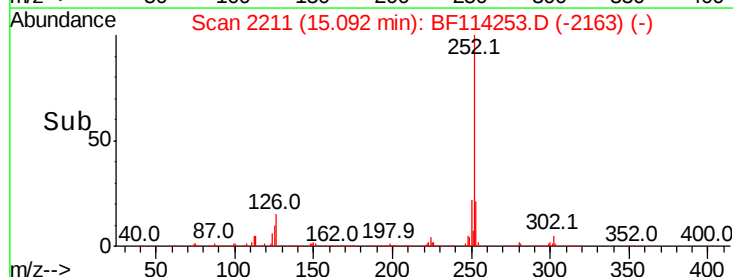
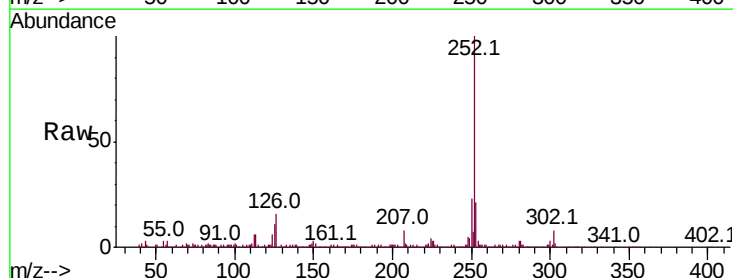
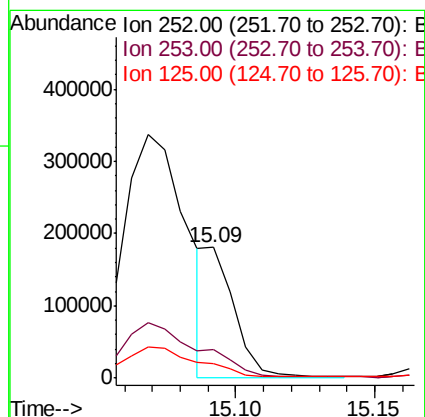
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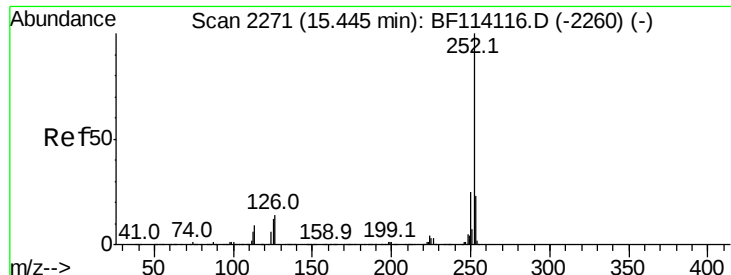
Sohil
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#89
Benzo(k)fluoranthene
Concen: 4.847 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	10.8	8.6	13.0





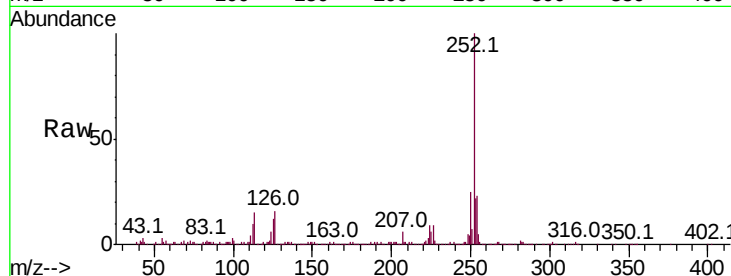
#90
Benzo(a)pyrene
Concen: 10.617 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0206-01DL

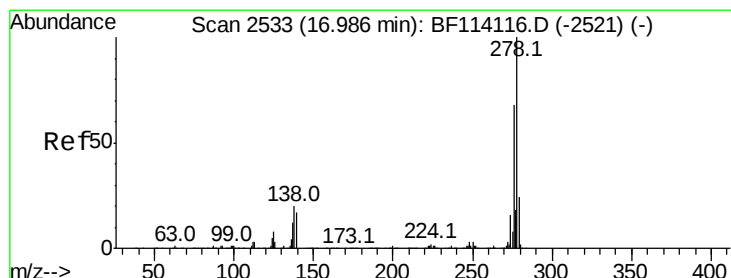
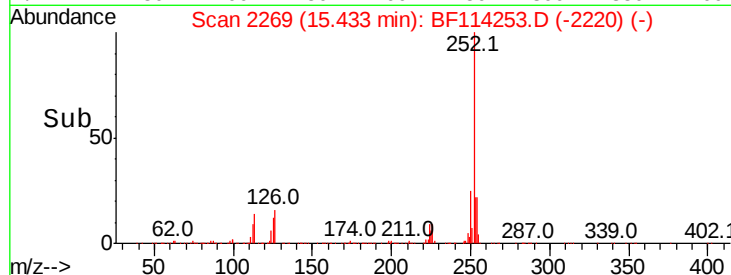
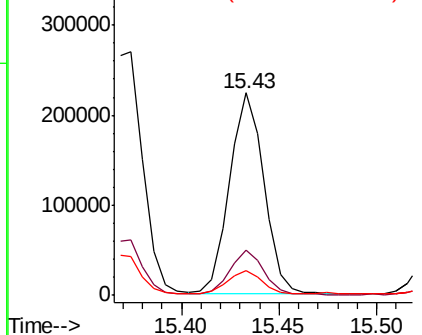
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.3	9.5	14.3

Manual Integrations
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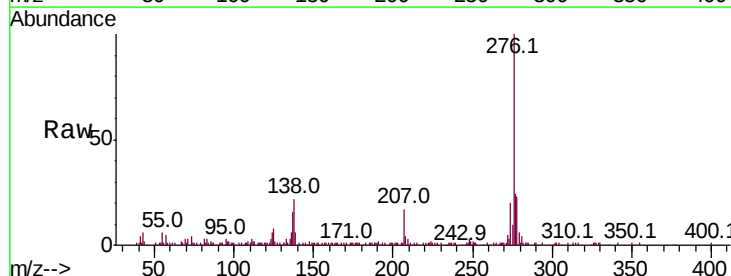


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

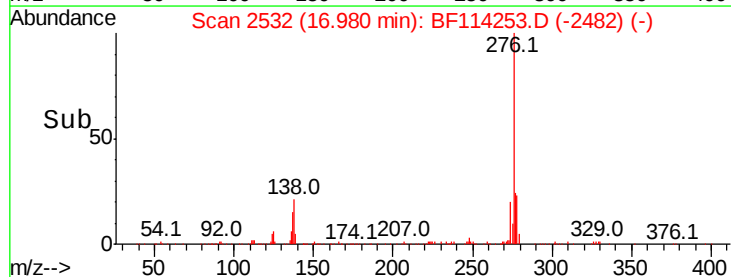
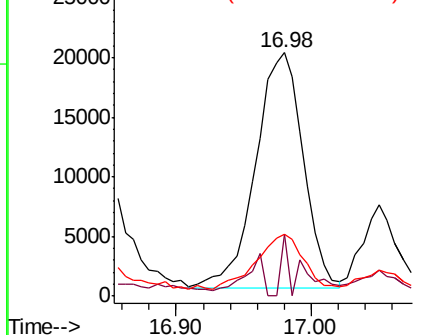


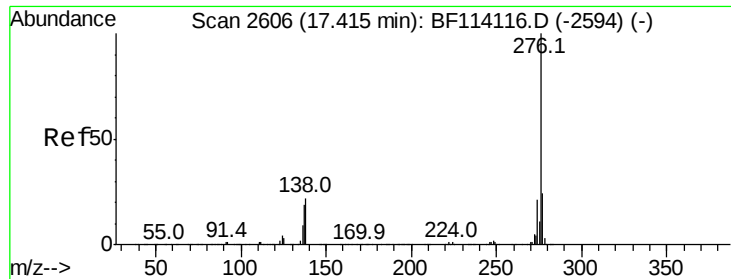
#91
Dibenzo(a,h)anthracene
Concen: 2.265 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF114253.D
Acq: 14 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.2	13.5	20.3#
279	25.4	19.0	28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 8.824 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.01 min
 Lab File: BF114253.D
 Acq: 14 May 2019 10:16

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0206-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	25.3	17.8	26.6

Manual Integrations
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