

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114178.D
 Acq On : 12 May 2019 2:38
 Operator : JU/SJ
 Sample : K2765-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Manual Integrations
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Sohil
 5/13/2019 8:36:09 PM

Quant Time: May 13 08:46:57 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	293319	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1092132	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	510450	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1011144	20.00	ng	0.00
76) Chrysene-d12	14.01	240	634558	20.00	ng	-0.01
87) Perylene-d12	15.48	264	773405	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	2034820	111.64	ng	0.00
7) Phenol-d6	6.49	99	2723871	126.35	ng	0.00
23) Nitrobenzene-d5	7.41	82	1674028	86.02	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	623812	118.21	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2323375	68.85	ng	0.00
79) Terphenyl-d14	12.95	244	2075339	67.42	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	239347	4.742	ng	98
50) Dimethylphthalate	9.60	163	457984	12.222	ng	99
71) Phenanthrene	11.39	178	589448	11.982	ng	97
72) Anthracene	11.45	178	120782	2.444	ng	97
75) Fluoranthene	12.58	202	1219991	23.030	ng	98
78) Pyrene	12.82	202	2027128	39.711	ng	99
81) Benzo(a)anthracene	14.00	228	794098m	19.348	ng	
83) Chrysene	14.03	228	898298	22.327	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	487044	13.697	ng	96
88) Benzo(b)fluoranthene	15.06	252	961380m	19.403	ng	
89) Benzo(k)fluoranthene	15.07	252	330808m	7.268	ng	
90) Benzo(a)pyrene	15.42	252	719866	16.508	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	125386m	3.460	ng	
92) Benzo(g,h,i)perylene	17.39	276	548762	15.112	ng	99

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

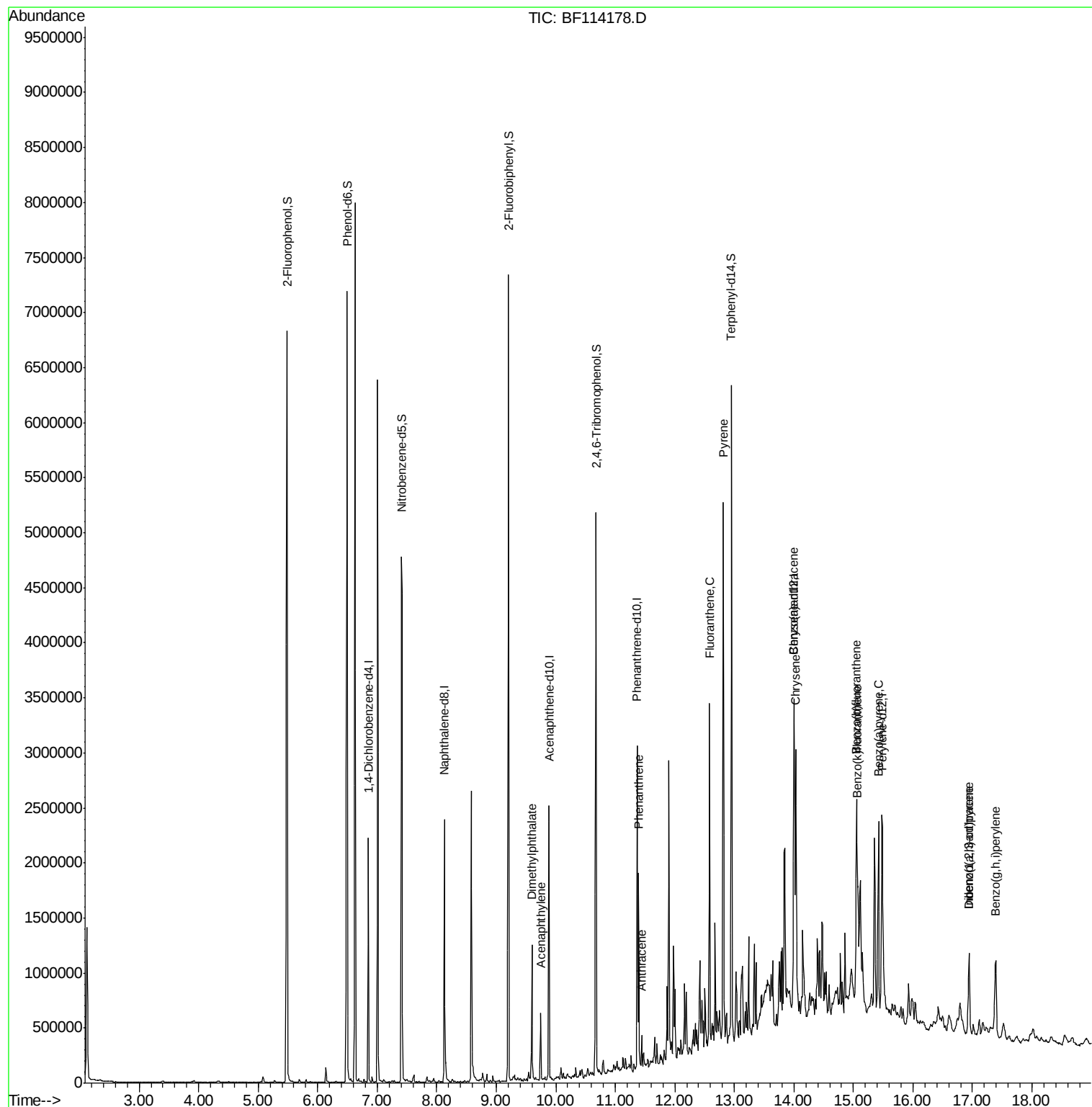
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114178.D
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Operator : JU/SJ
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Misc :
ALS Vial : 18 Sample Multiplier: 1

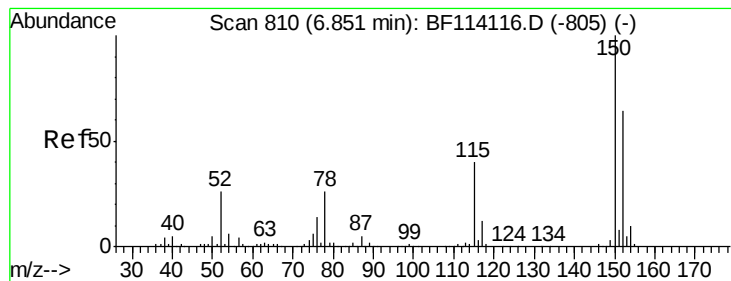
Instrument :
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ClientSampleId :
P026-SS005-1824-01

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Quant Time: May 13 08:46:57 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





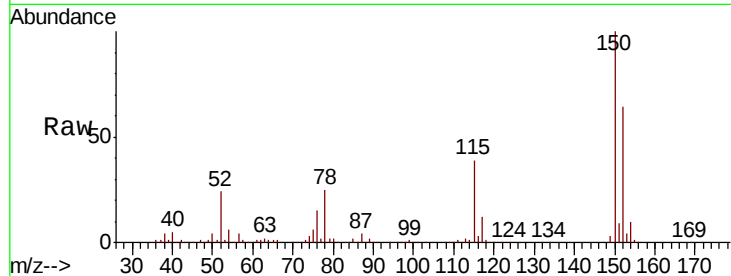
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.3	186.5
115	59.8	49.1	73.7

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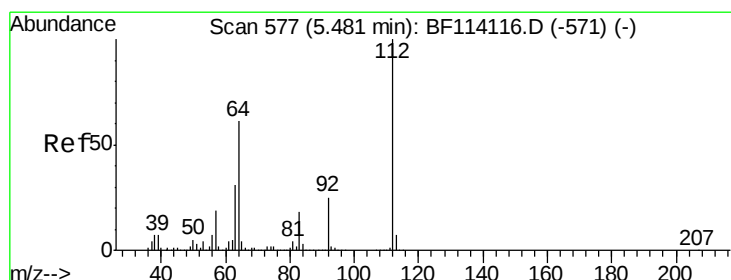
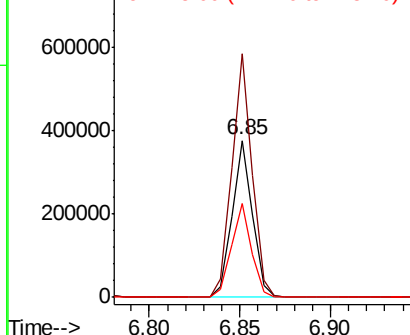
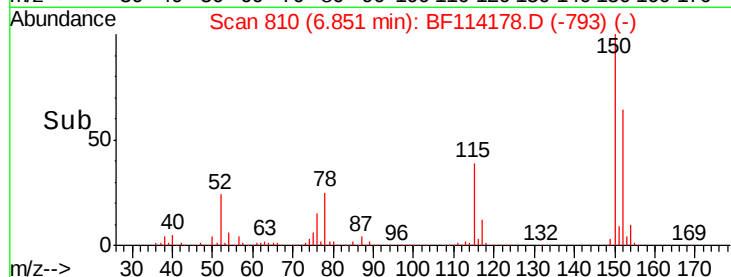


Abundance

Ion 152.00 (151.70 to 152.70): E

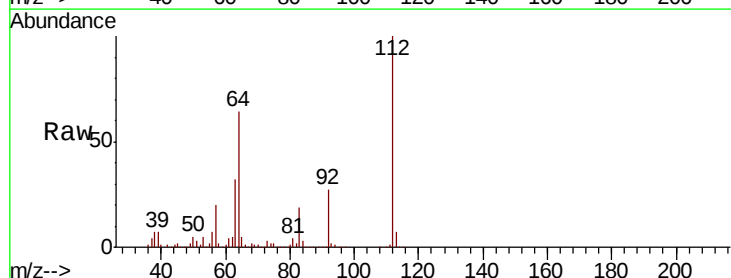
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 111.638 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.0	73.6
63	32.3	24.6	37.0

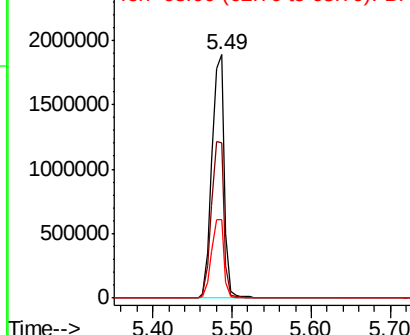
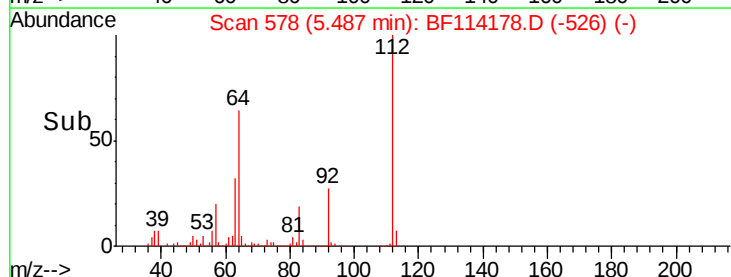


Abundance

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: 126.353 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

Tot Ion: 99 Resp: 2723871

Ion Ratio Lower Upper

99 100

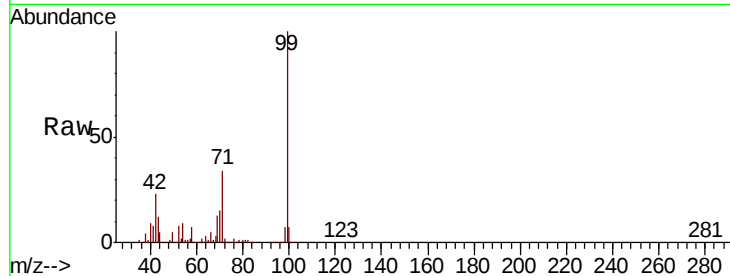
42 23.1 17.9 26.9

71 33.5 26.2 39.2

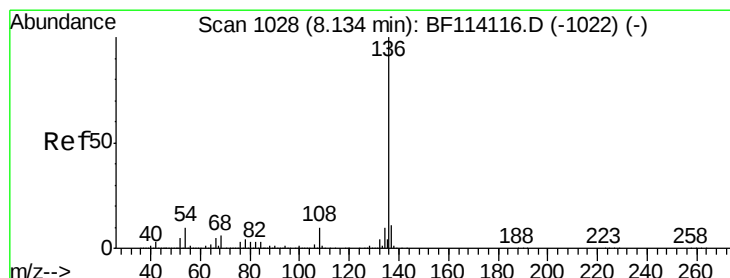
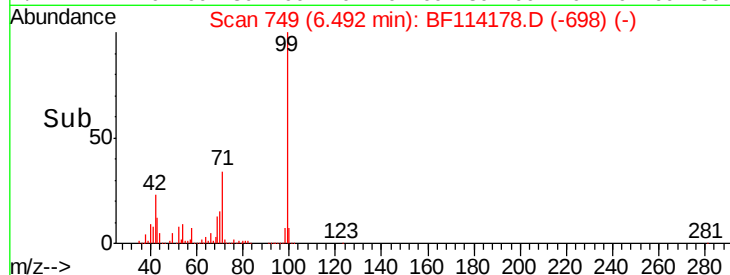
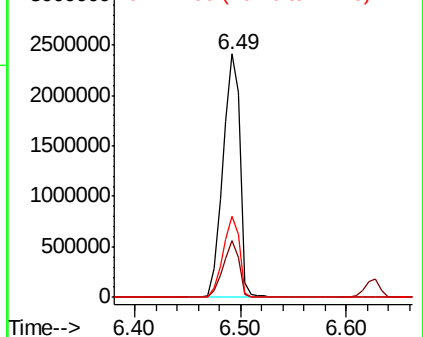
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Tgt Ion: 136 Resp: 1092132

Ion Ratio Lower Upper

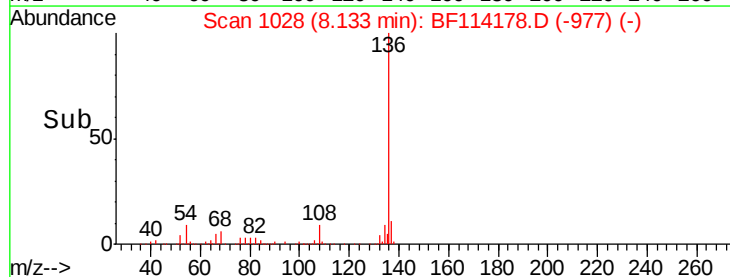
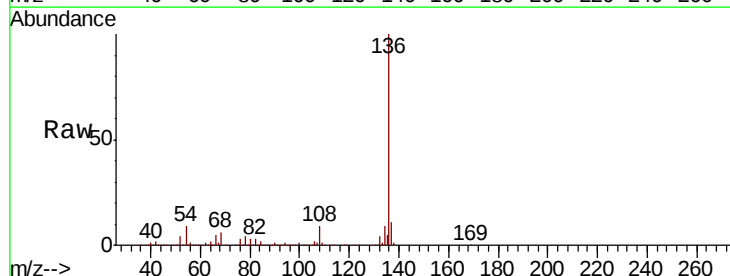
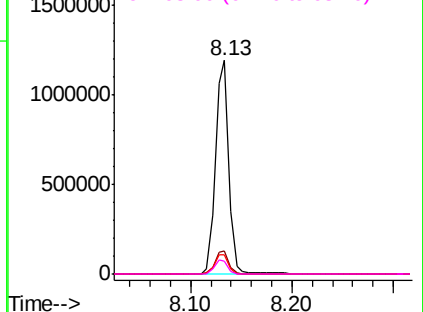
136 100

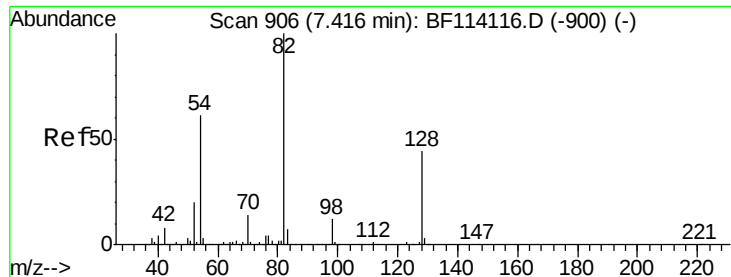
137 11.0 8.8 13.2

54 8.7 7.8 11.8

68 6.1 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





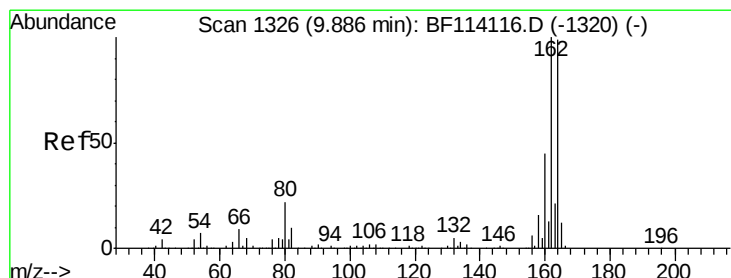
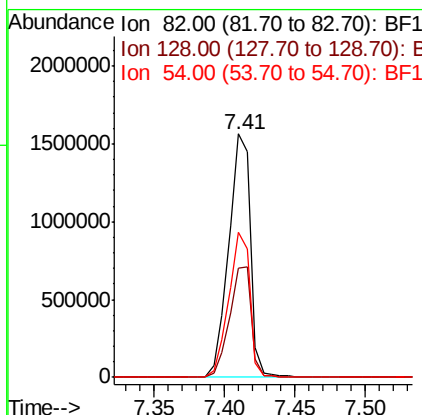
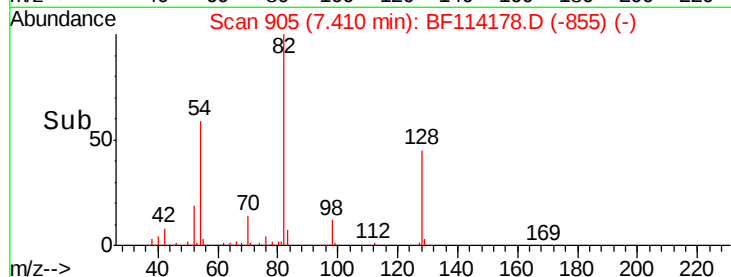
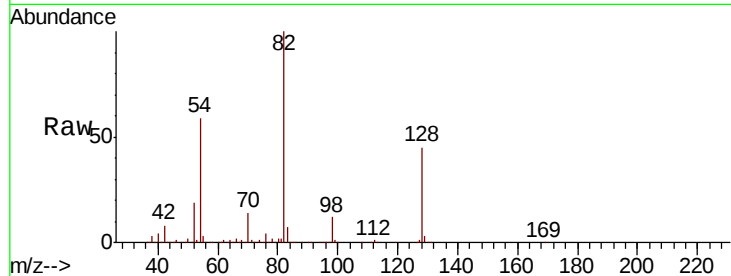
#23
Nitrobenzene-d5
Concen: 86.021 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.5	53.3
54	59.5	48.5	72.7

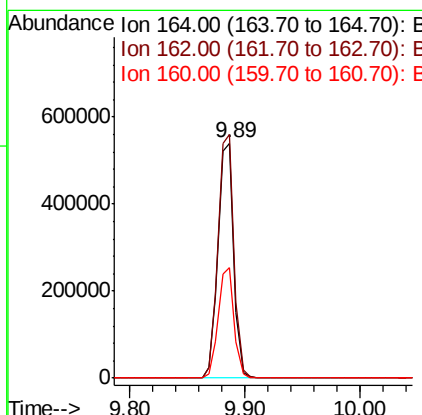
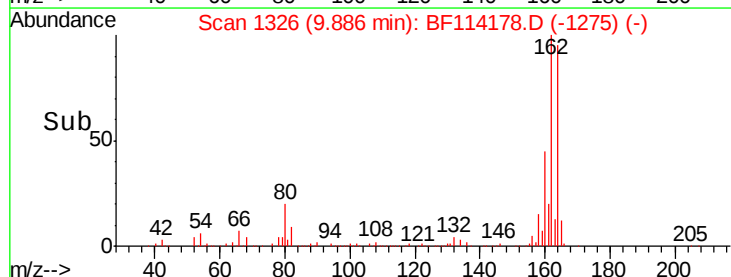
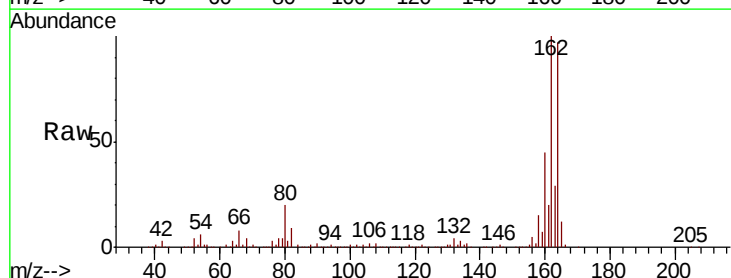
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.6	120.8
160	47.0	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 118.209 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

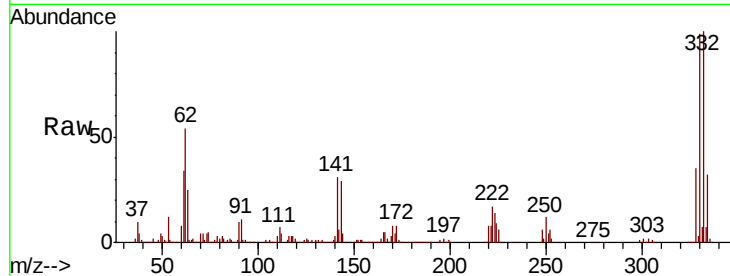
ClientSampleId :

P026-SS005-1824-01

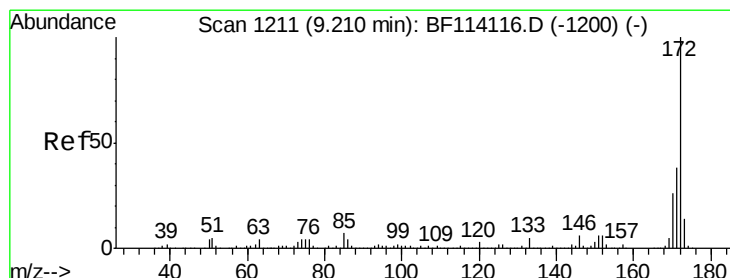
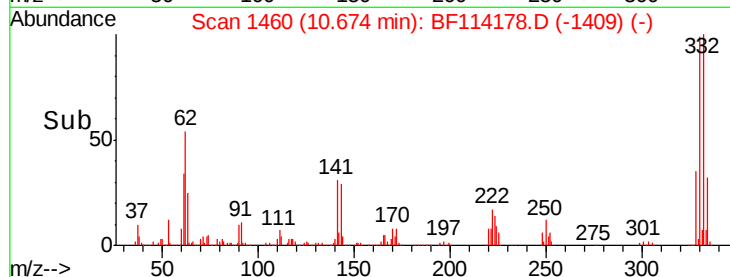
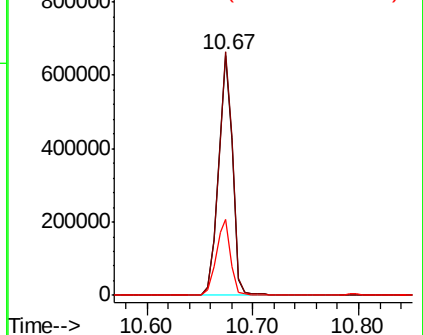
Tot Ion:	330	Resp:	623812
Ion Ratio	Lower	Upper	
330	100		
332	101.0	81.4	122.2
141	32.4	26.6	40.0

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



#45

2-Fluorobiphenyl

Concen: 68.851 ng

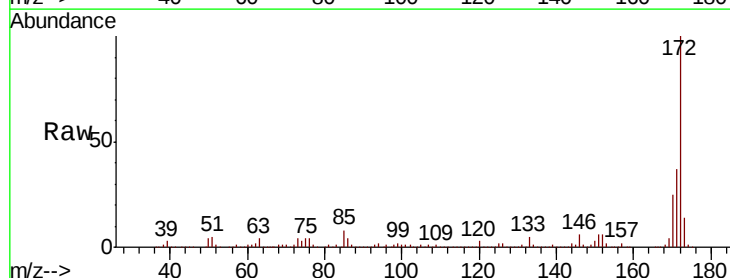
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

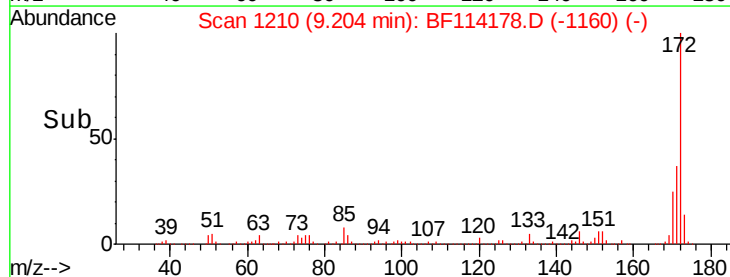
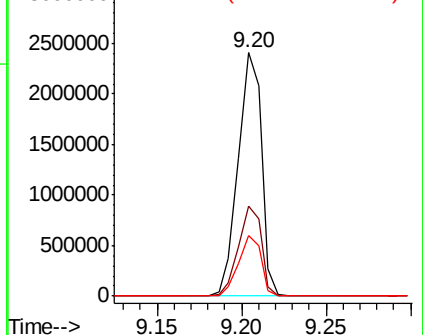
Lab File: BF114178.D

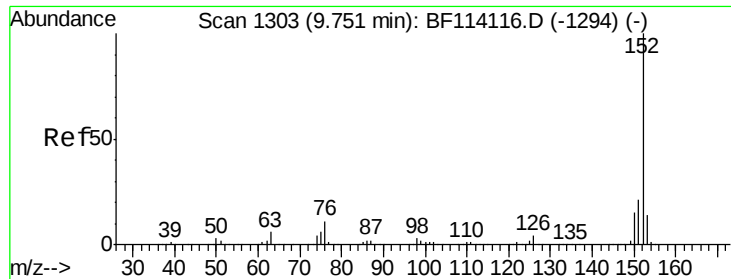
Acq: 12 May 2019 2:38

Tgt Ion:	172	Resp:	2323375
Ion Ratio	Lower	Upper	
172	100		
171	36.8	30.7	46.1
170	24.7	20.5	30.7



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





#49

Acenaphthylene

Concen: 4.742 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

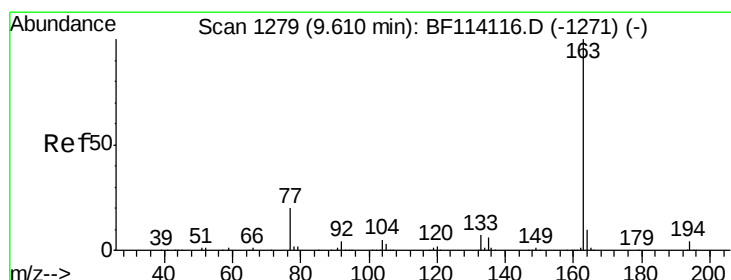
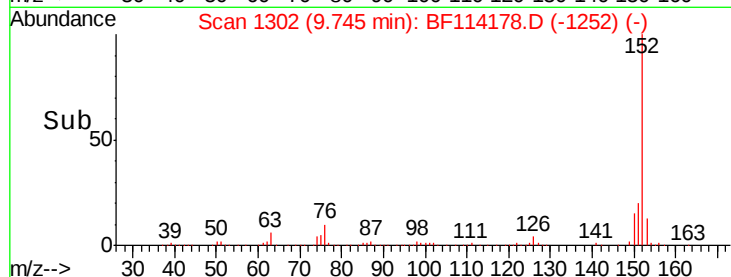
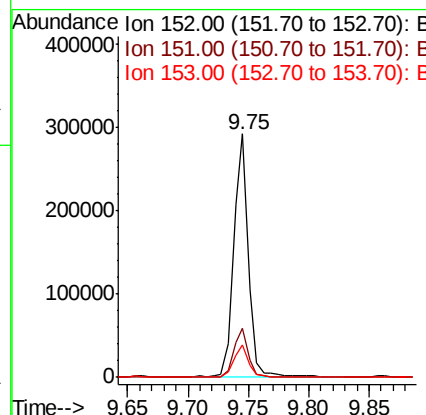
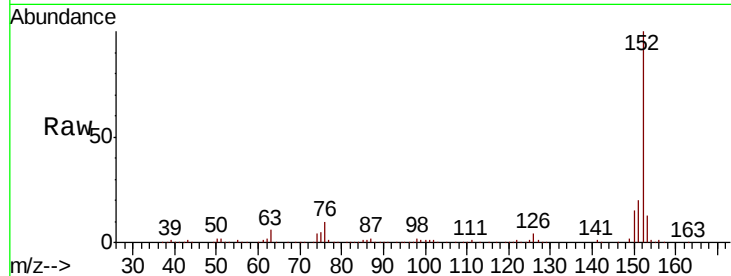
ClientSampleId :

P026-SS005-1824-01

Tot Ion	Ratio	Resp	Lower	Upper
152	100	239347		
151	20.4	16.8	25.2	
153	13.2	11.4	17.2	

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#50

Dimethylphthalate

Concen: 12.222 ng

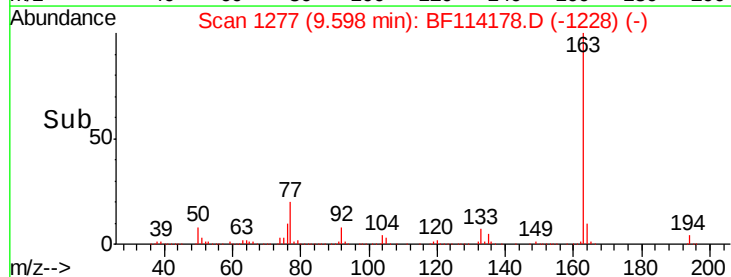
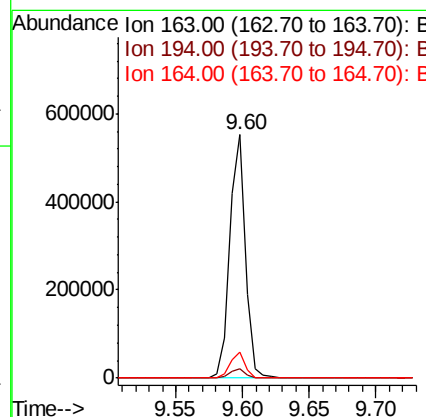
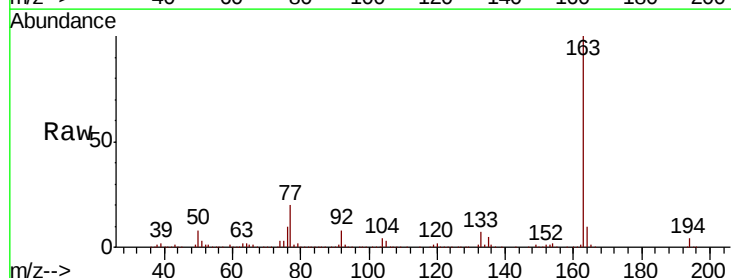
RT: 9.60 min Scan# 1277

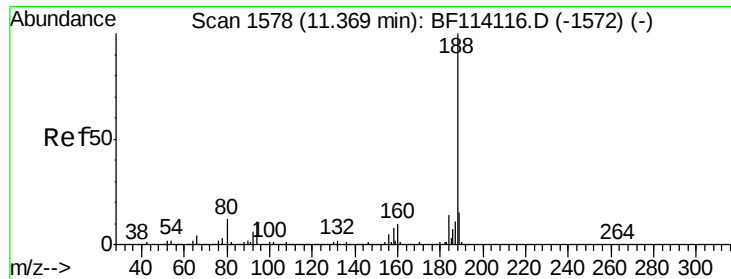
Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	457984		
194	4.0	3.4	5.0	
164	10.5	8.2	12.2	





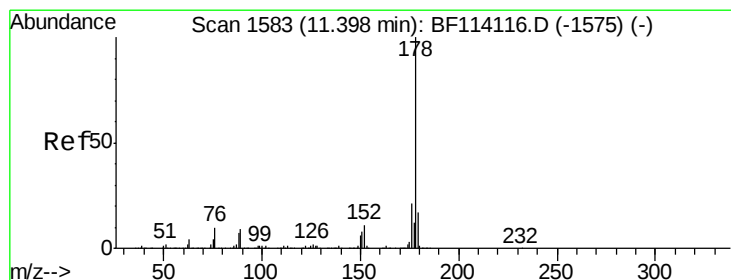
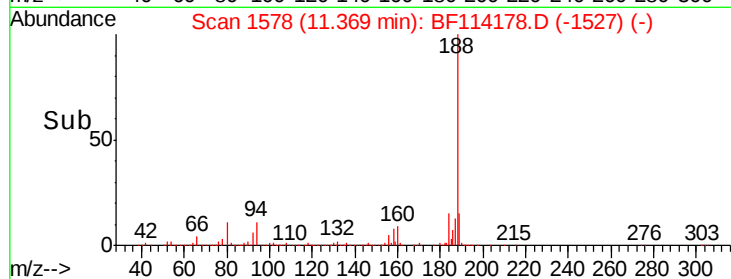
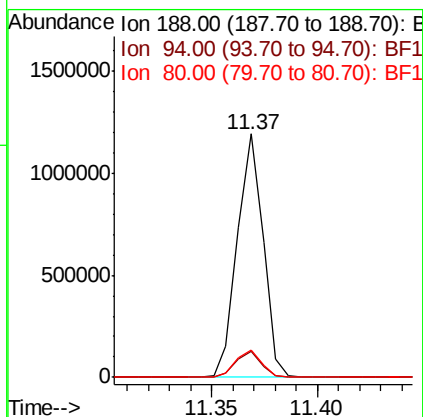
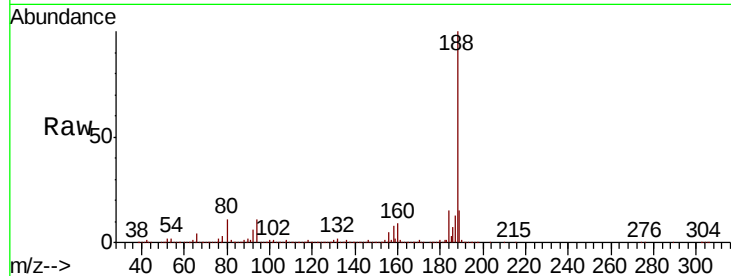
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.4	12.6
80	11.1	9.2	13.8

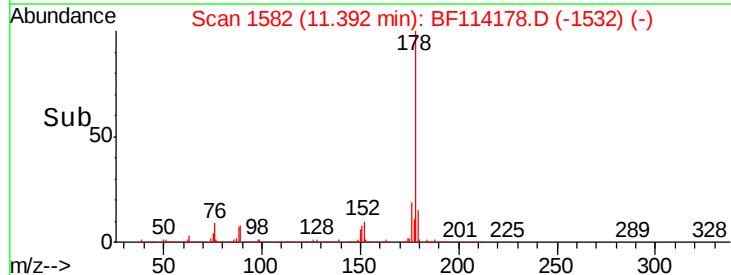
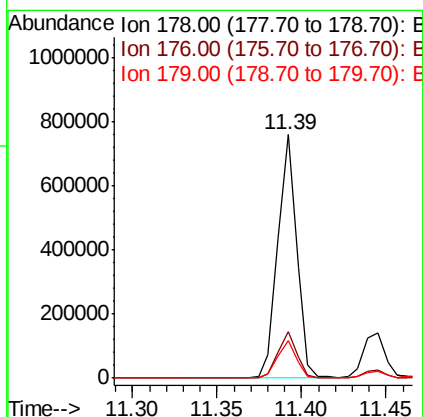
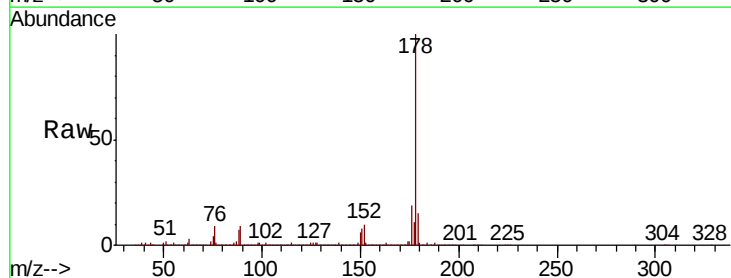
Manual Integrations
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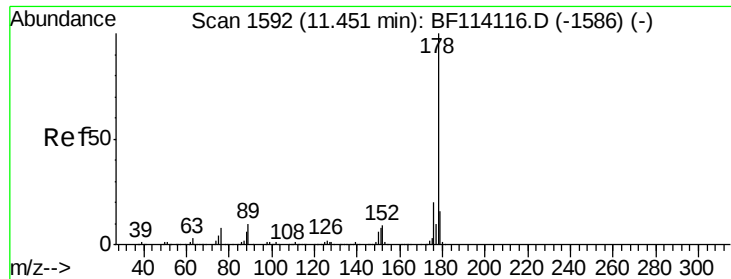
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#71
Phenanthrene
Concen: 11.982 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.4	24.6
179	15.3	13.2	19.8





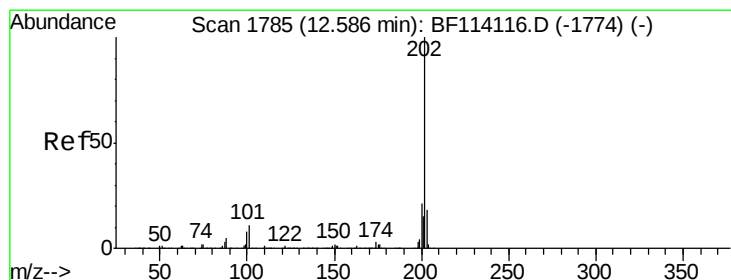
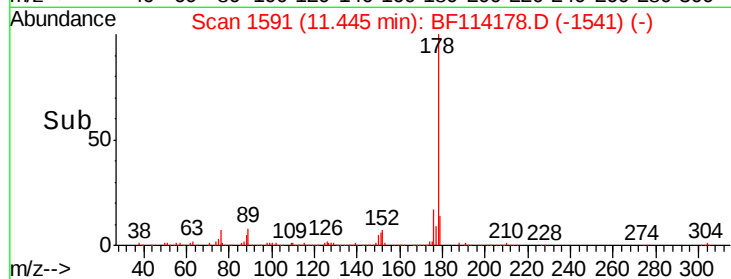
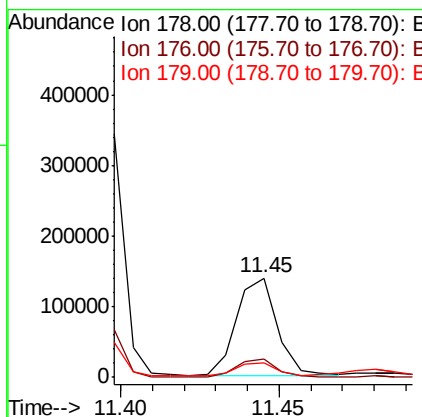
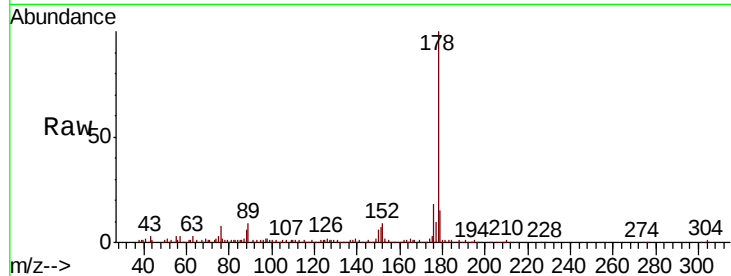
#72
 Anthracene
 Concen: 2.444 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.9	13.0	19.4

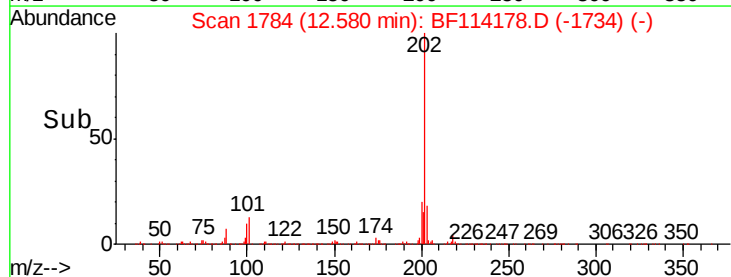
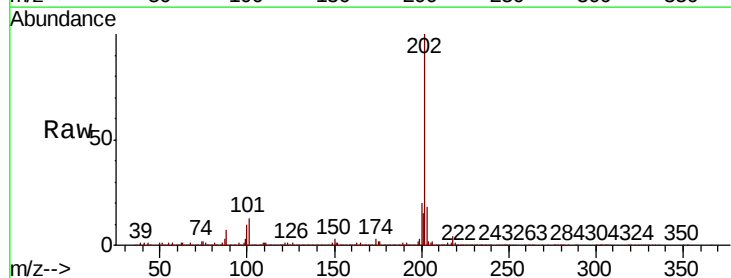
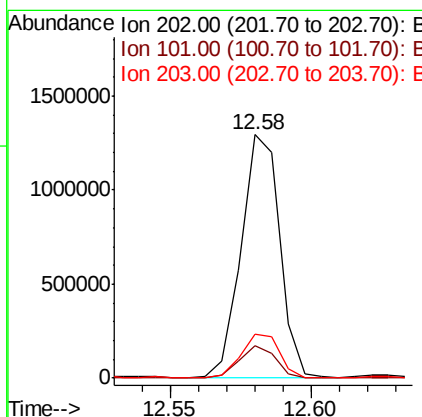
Manual Integrations
 APPROVED

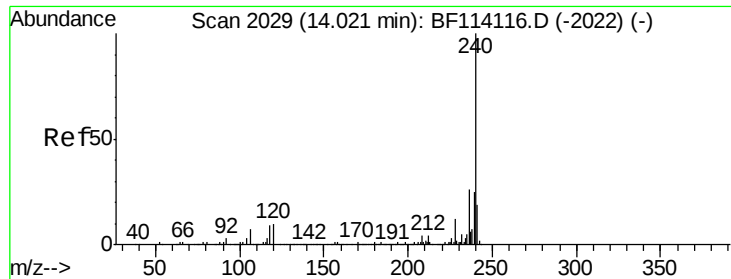
Sohil
 5/13/2019 8:36:09 PM



#75
 Fluoranthene
 Concen: 23.030 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	31.0
203	18.3	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

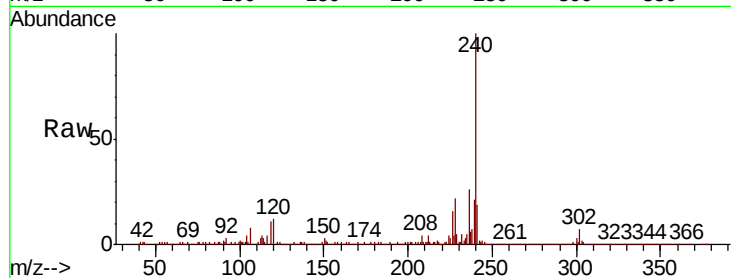
ClientSampleId :

P026-SS005-1824-01

Tot Ion:	240	Resp:	634558
Ion Ratio	Lower	Upper	
240	100		
120	11.6	8.3	12.5
236	26.0	20.8	31.2

Manual Integrations
APPROVED

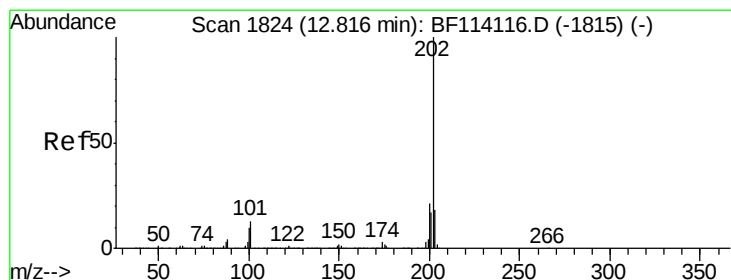
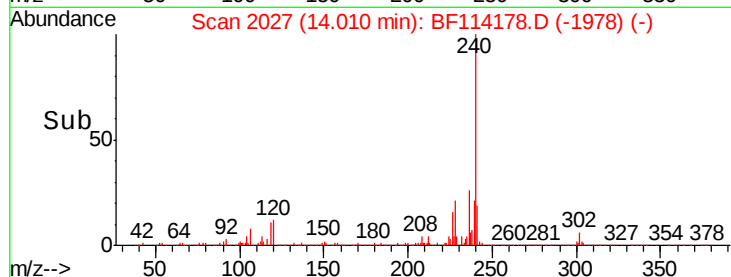
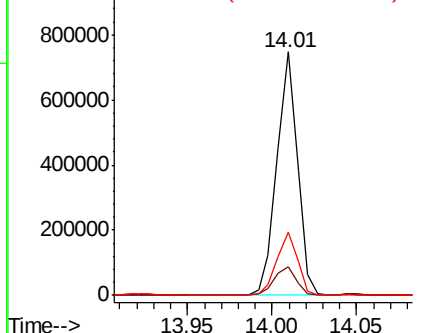
Sohil
5/13/2019 8:36:09 PM



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

Pyrene

Concen: 39.711 ng

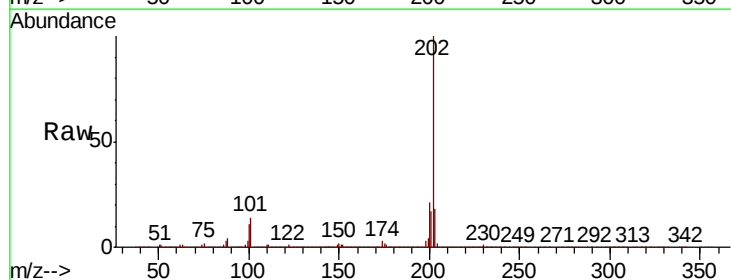
RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

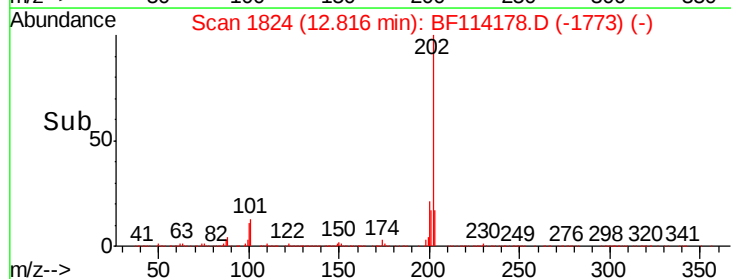
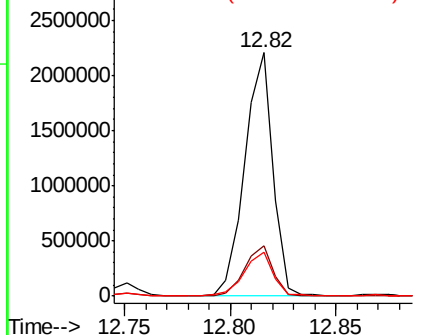
Tgt Ion:	202	Resp:	2027128
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.9	25.3
203	17.9	14.5	21.7

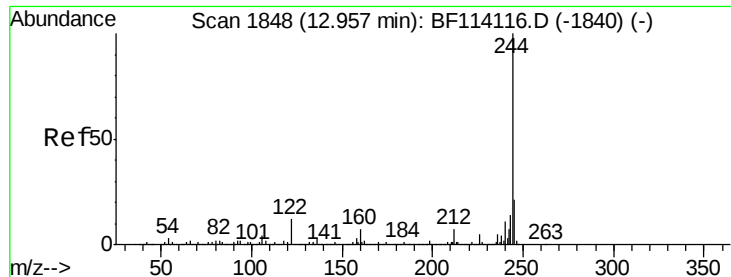


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





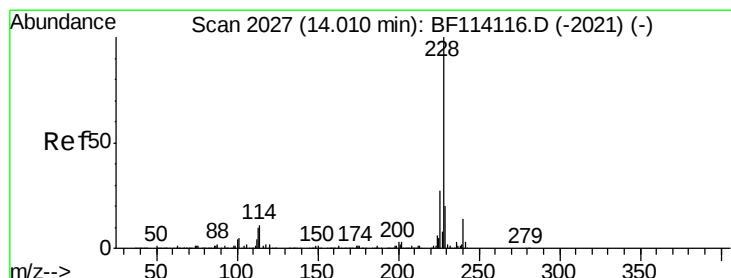
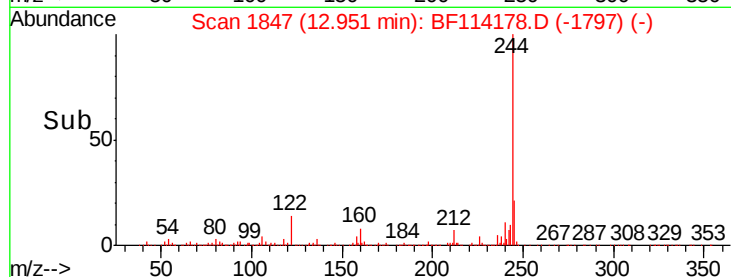
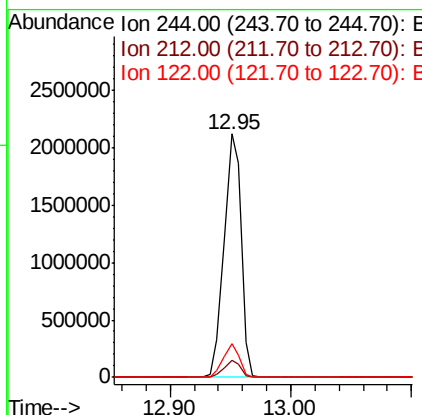
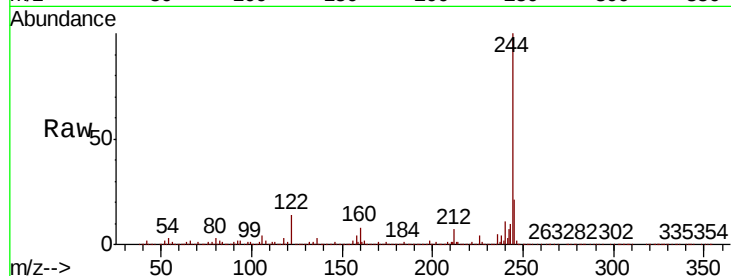
#79
 Terphenyl-d14
 Concen: 67.420 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	13.8	9.4	14.2

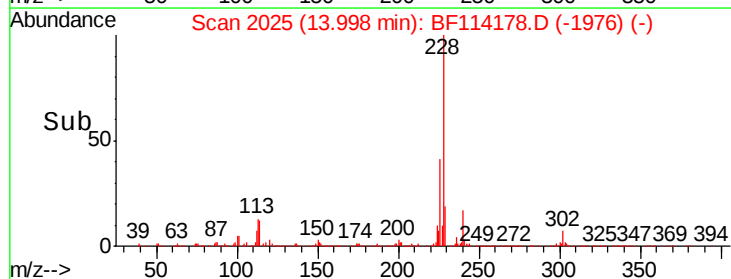
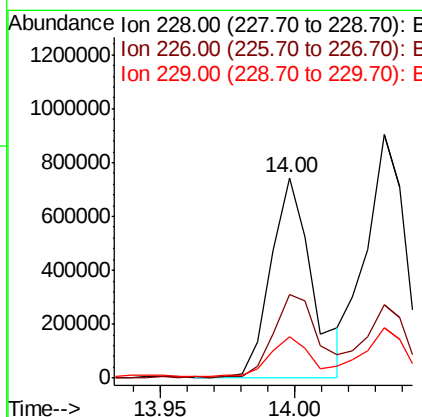
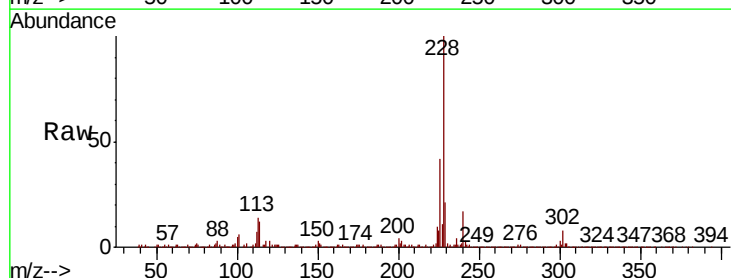
Manual Integrations
 APPROVED

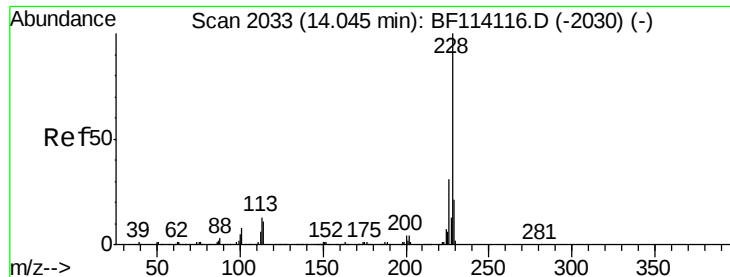
Sohil
 5/13/2019 8:36:09 PM



#81
 Benzo(a)anthracene
 Concen: 19.348 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.8	22.2	33.2#
229	20.6	16.4	24.6





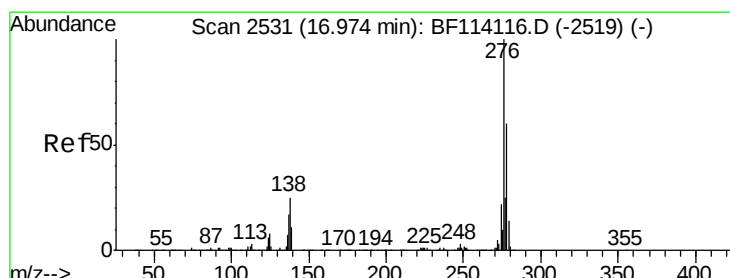
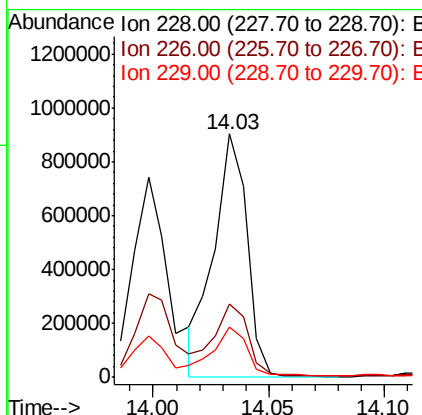
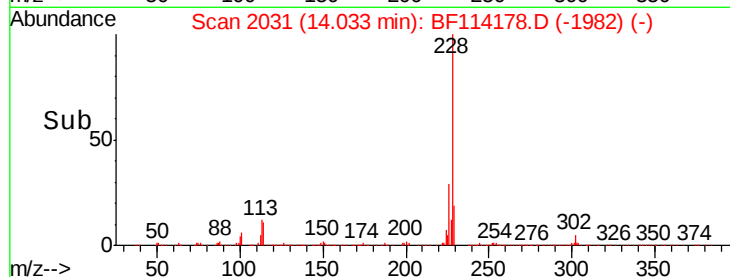
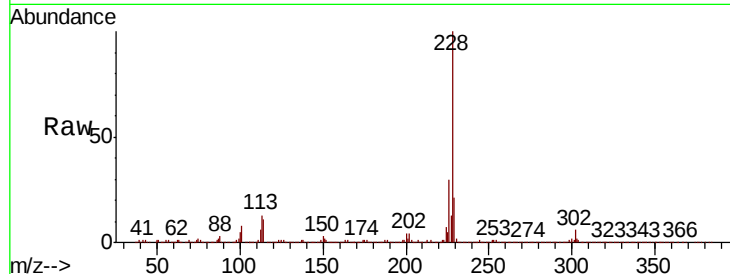
#83
Chrysene
Concen: 22.327 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.6	17.0	25.6

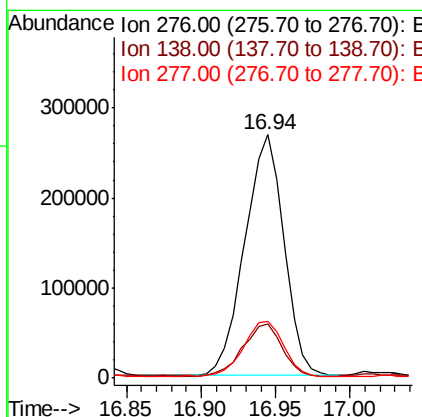
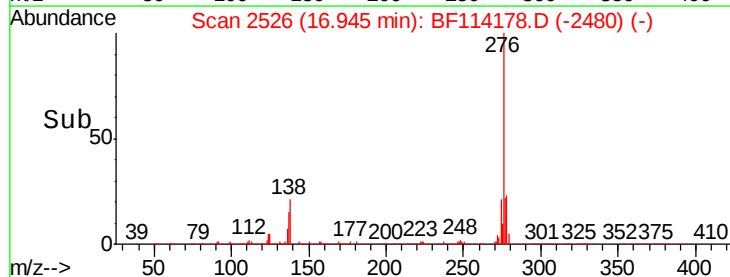
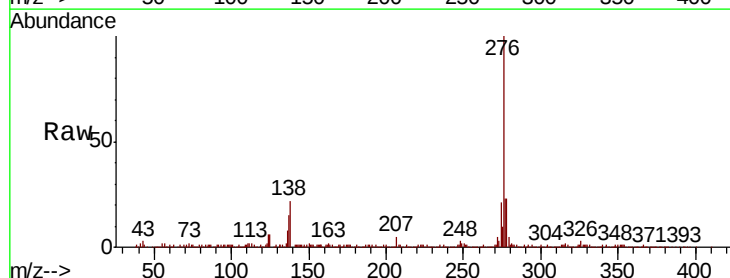
Manual Integrations
APPROVED

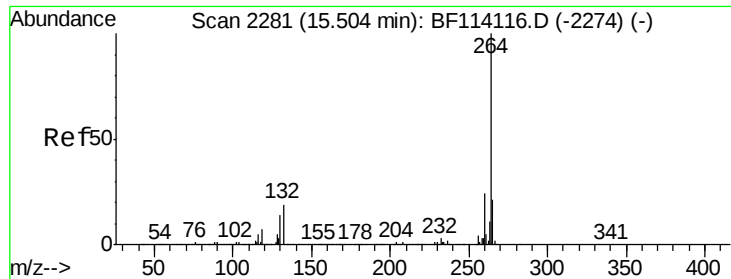
Sohil
5/13/2019 8:36:09 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 13.697 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.03 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.2	30.2
277	24.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

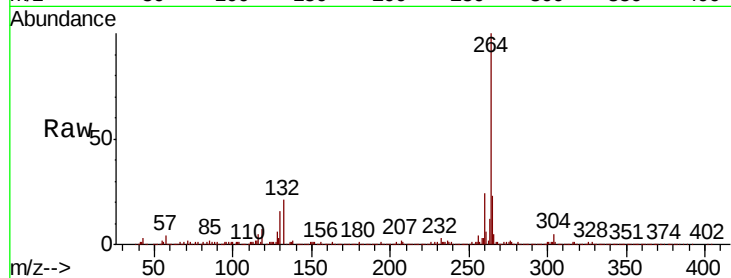
ClientSampleId :

P026-SS005-1824-01

Tot Ion:	264	Resp:	773405
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.0
265	22.9	16.9	25.3

Manual Integrations
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Sohil
5/13/2019 8:36:09 PM

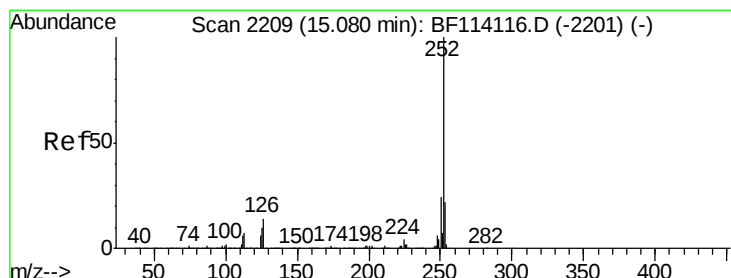
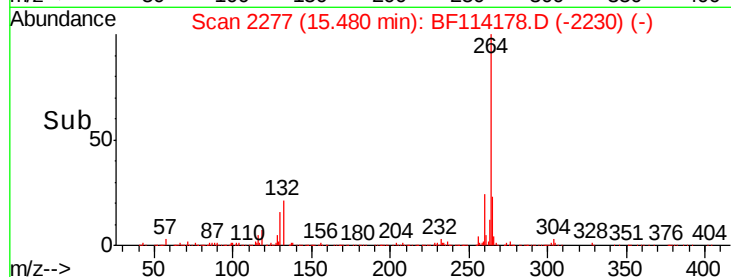
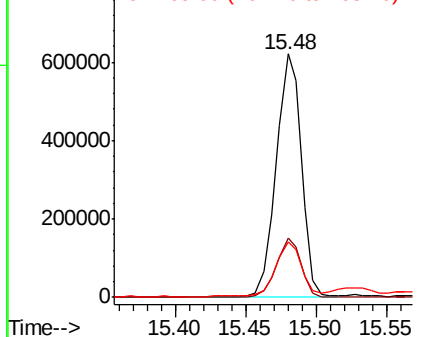


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 19.403 ng m

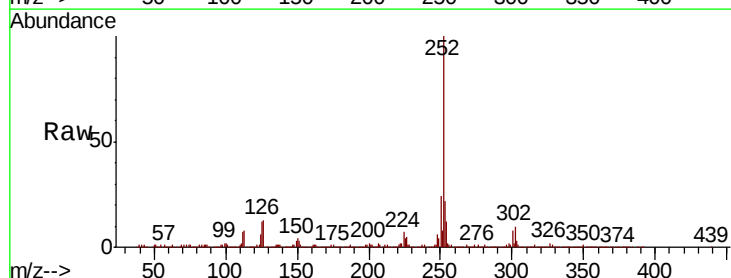
RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Tgt Ion:	252	Resp:	961380
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.8
125	12.4	8.3	12.5

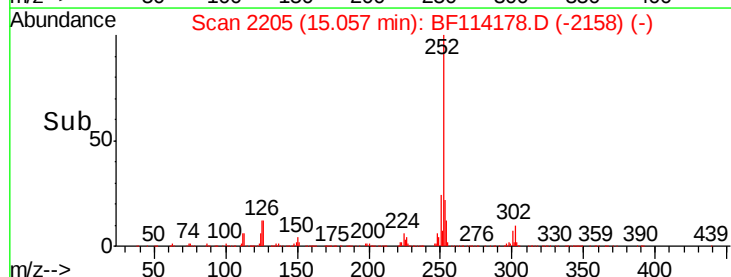
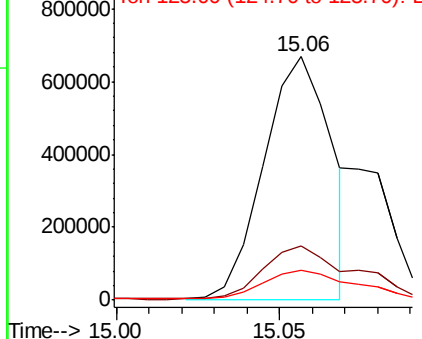


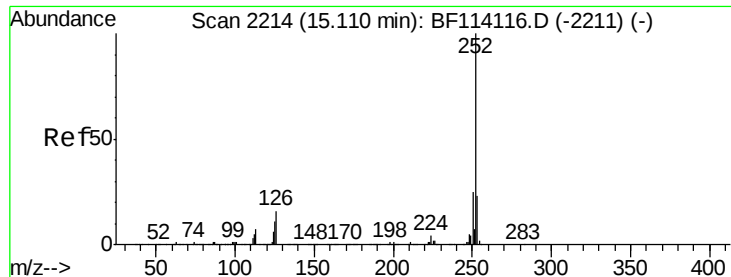
Abundance

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





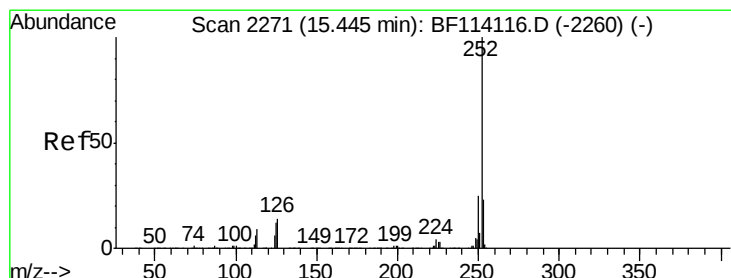
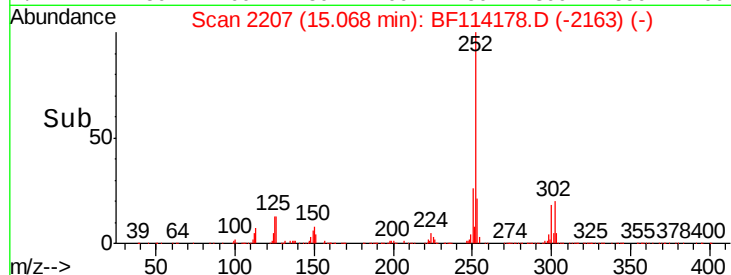
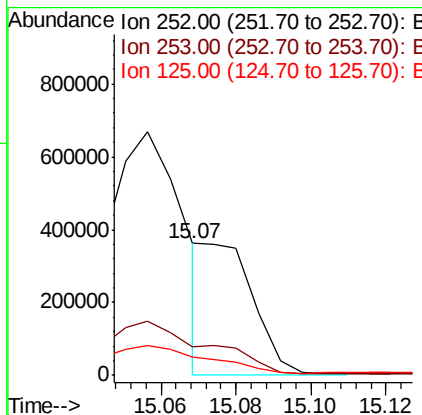
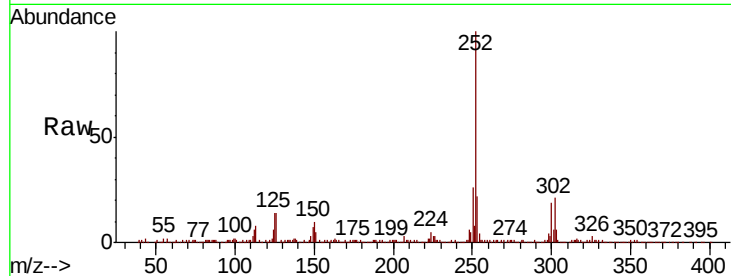
#89
Benzo(k)fluoranthene
Concen: 7.268 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	13.7	8.6	13.0

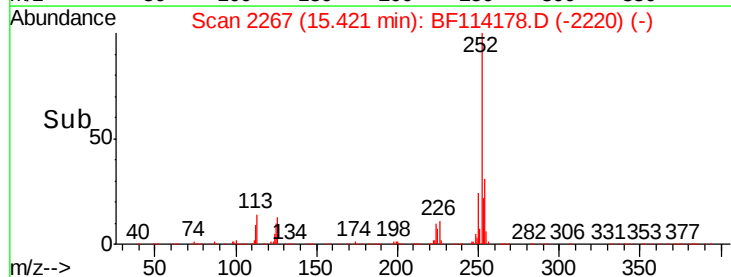
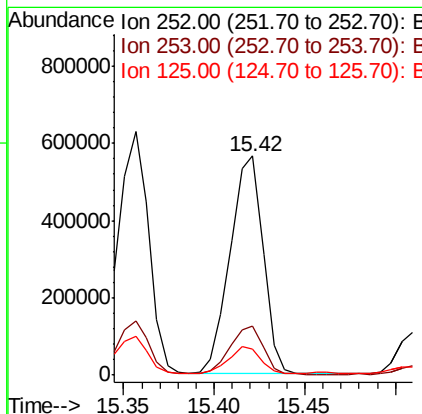
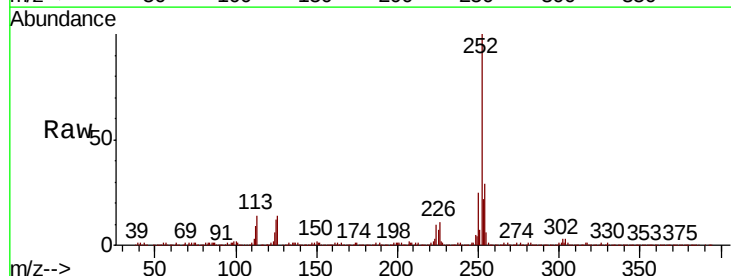
Manual Integrations
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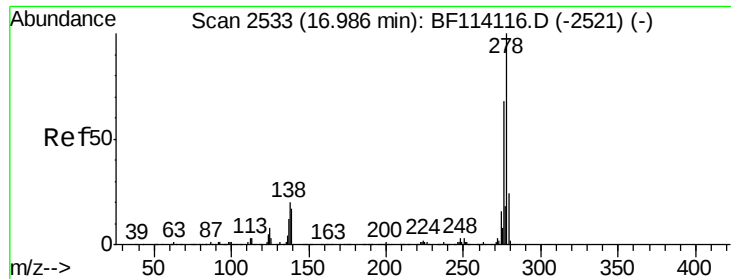
Sohil
5/13/2019 8:36:09 PM



#90
Benzo(a)pyrene
Concen: 16.508 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.8	9.5	14.3





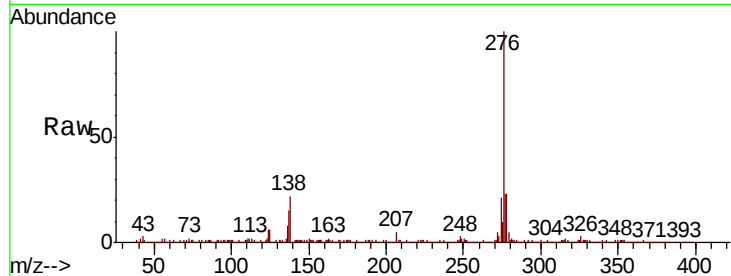
#91
Dibenzo(a,h)anthracene
Concen: 3.460 ng m
RT: 16.94 min Scan# 2526
Delta R.T. -0.04 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1824-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	22.4	19.0	28.6

Manual Integrations
APPROVED

Sohil
5/13/2019 8:36:09 PM

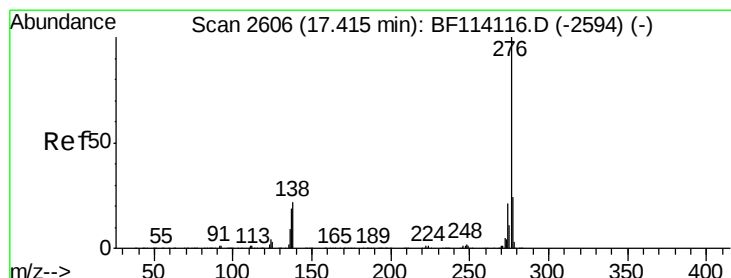
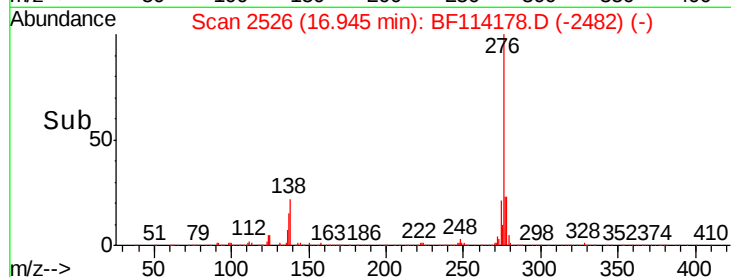
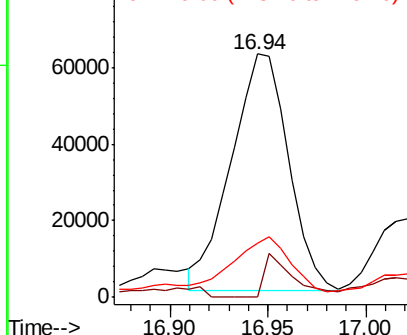


Abundance

Ion 278.00 (277.70 to 278.70): E

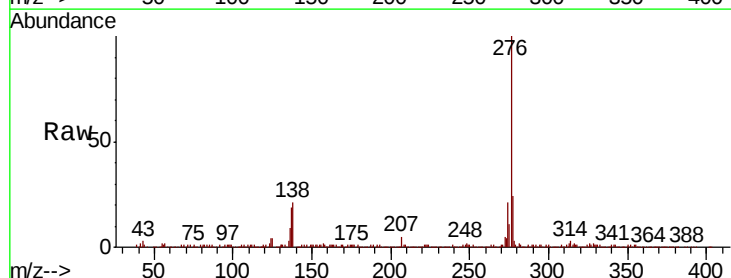
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 15.112 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	21.5	17.8	26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

