

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114248.D
 Acq On : 14 May 2019 00:33
 Operator : JU/SJ
 Sample : K2766-05DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0002-01DL

Manual Integrations
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Quant Time: May 14 13:28:54 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	243623	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	980074	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	456178	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	847256	20.00	ng	0.01
76) Chrysene-d12	14.03	240	543308	20.00	ng	0.00
87) Perylene-d12	15.52	264	578028	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	702489	46.40	ng	0.00
7) Phenol-d6	6.50	99	938728	52.43	ng	0.00
23) Nitrobenzene-d5	7.42	82	549963	31.49	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	189947	40.28	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	850882	28.21	ng	0.00
79) Terphenyl-d14	12.96	244	626147	23.76	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	382857	8.363	ng	97
37) 2-Methylnaphthalene	8.85	142	164933	5.584	ng	98
38) 1-Methylnaphthalene	8.95	142	108351	3.895	ng	99
49) Acenaphthylene	9.75	152	603012	13.368	ng	98
50) Dimethylphthalate	9.60	163	142722	4.262	ng	98
58) Fluorene	10.44	166	95259	3.038	ng	93
71) Phenanthrene	11.40	178	2102866	51.016	ng	99
72) Anthracene	11.45	178	382147	9.230	ng	98
75) Fluoranthene	12.60	202	2438475	54.935	ng	97
78) Pyrene	12.84	202	3911495	89.495	ng	97
81) Benzo(a)anthracene	14.02	228	1531736m	43.588	ng	
83) Chrysene	14.06	228	1758800	51.057	ng	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	660451	21.694	ng	97
88) Benzo(b)fluoranthene	15.09	252	1719128m	46.423	ng	
89) Benzo(k)fluoranthene	15.10	252	545107m	16.024	ng	
90) Benzo(a)pyrene	15.46	252	1158579	35.549	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	180254m	6.656	ng	
92) Benzo(g,h,i)perylene	17.46	276	747415	27.539	ng	99

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

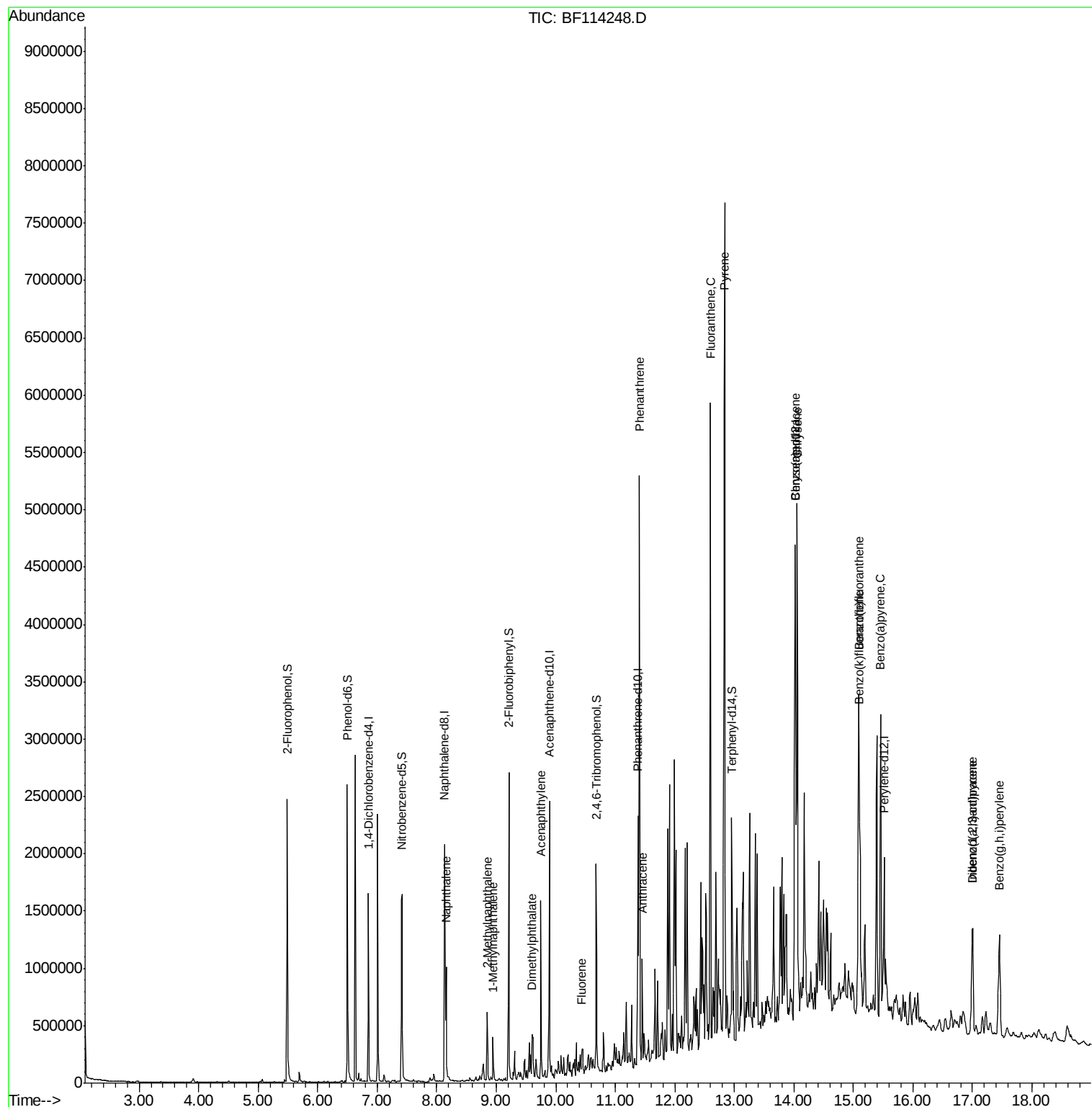
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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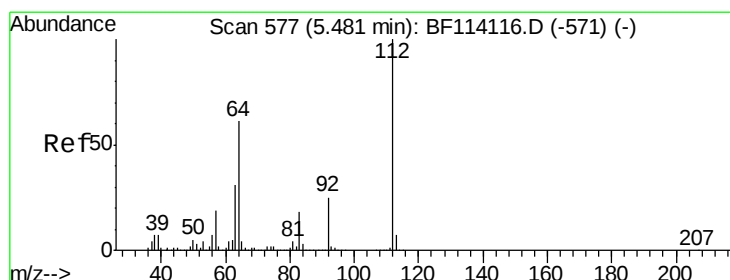
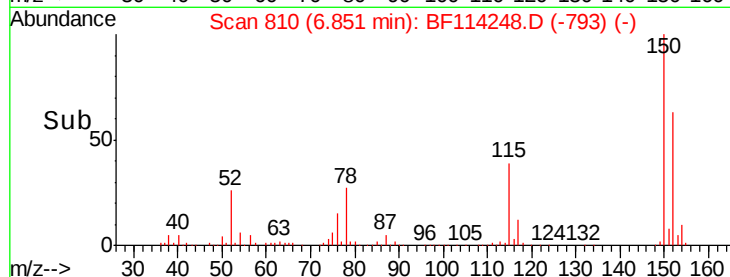
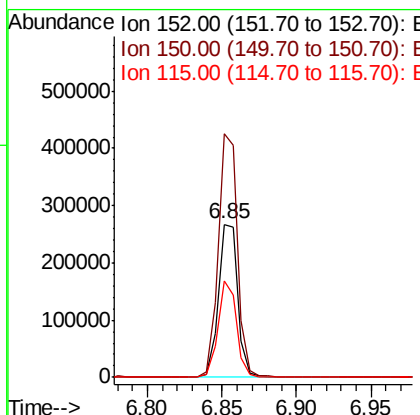
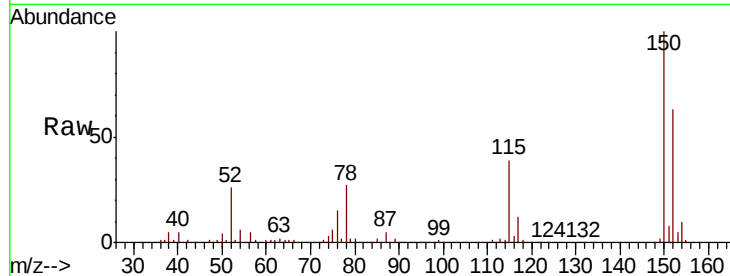
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114248.D
 Acq: 14 May 2019 00:33

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0002-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.3	186.5
115	62.8	49.1	73.7

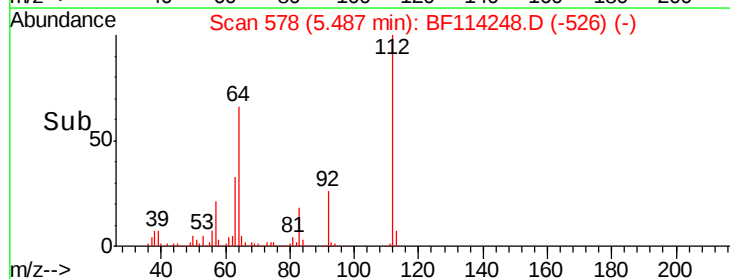
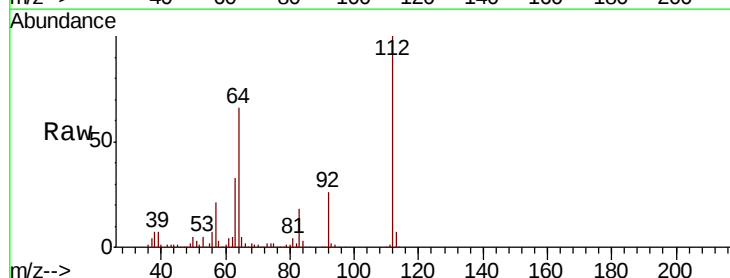
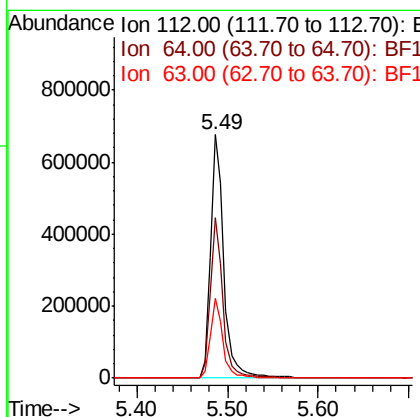
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#5
 2-Fluorophenol
 Concen: 46.403 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114248.D
 Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	49.0	73.6
63	32.6	24.6	37.0





#7

Phenol-d6

Concen: 52.428 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114248.D

Acq: 14 May 2019 00:33

Instrument :

BNA_F

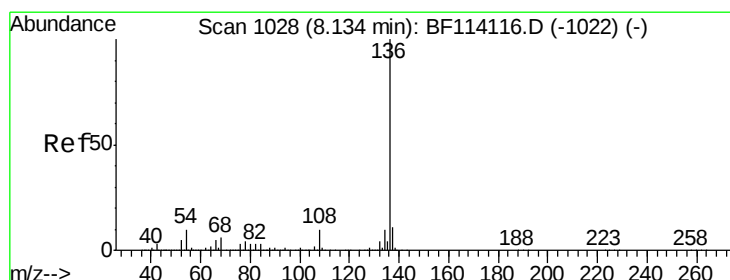
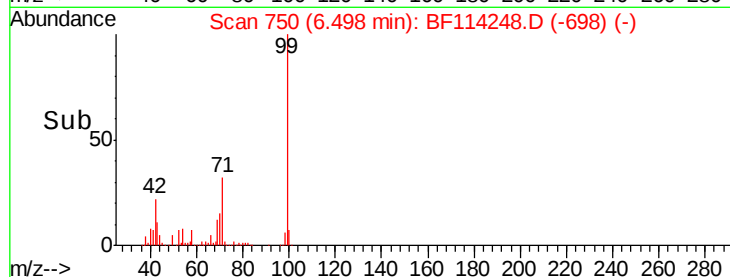
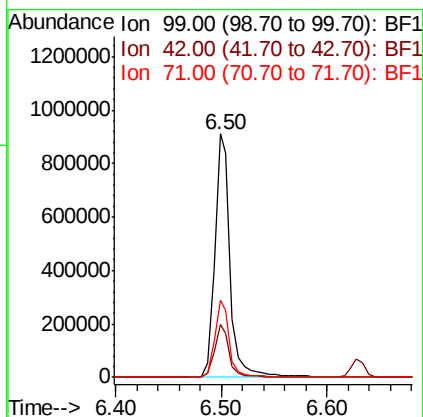
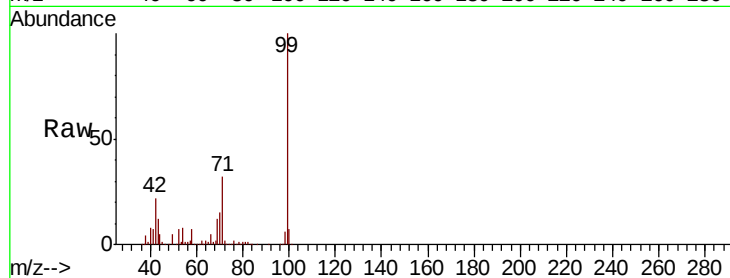
ClientSampleId :

P026-SS007-0002-01DL

Tot Ion:	99	Resp:	938728
Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.9	26.9
71	31.7	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

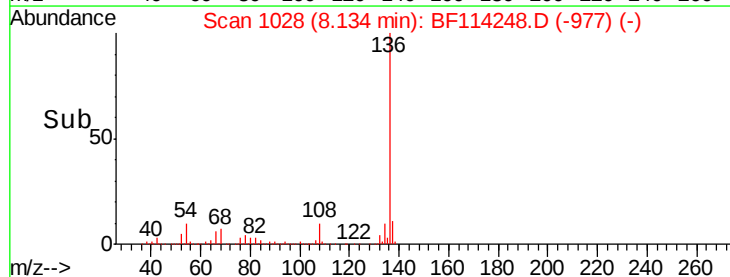
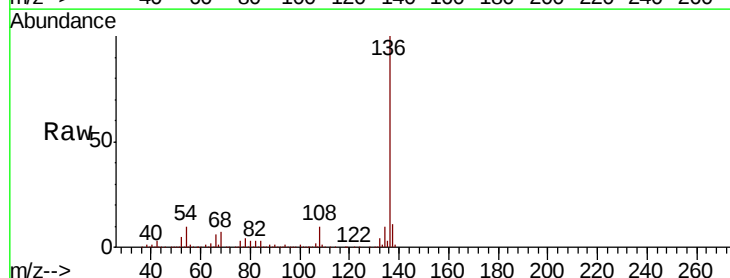
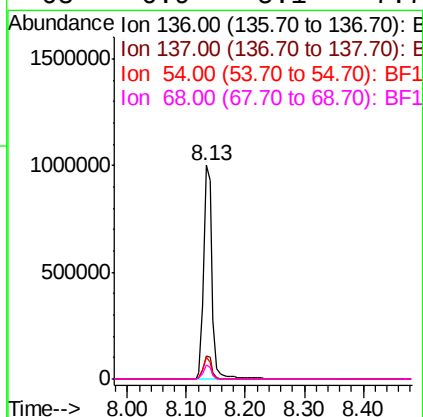
RT: 8.13 min Scan# 1028

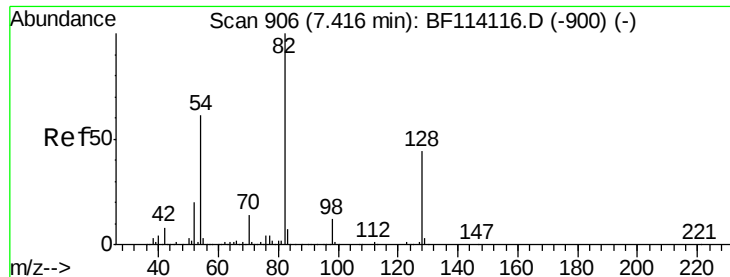
Delta R.T. -0.00 min

Lab File: BF114248.D

Acq: 14 May 2019 00:33

Tgt Ion:	136	Resp:	980074
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.4	7.8	11.8
68	6.9	5.1	7.7





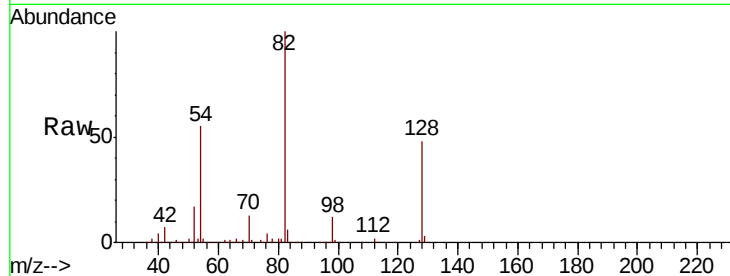
#23
 Nitrobenzene-d5
 Concen: 31.491 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114248.D
 Acq: 14 May 2019 00:33

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0002-01DL

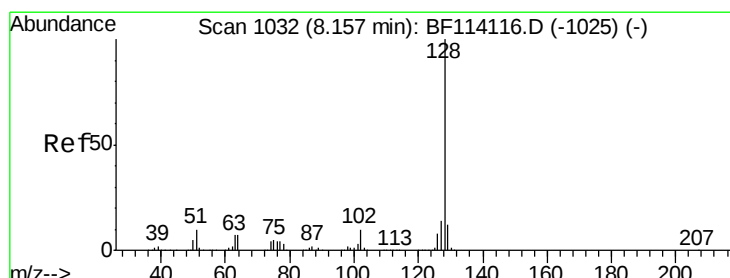
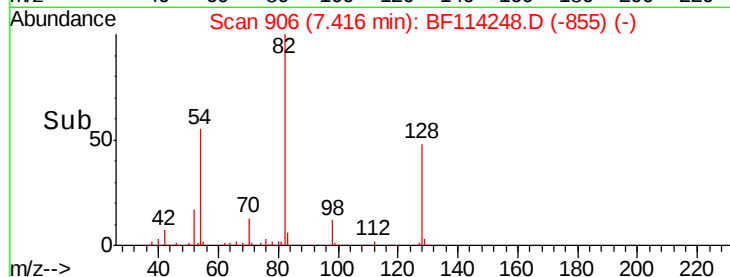
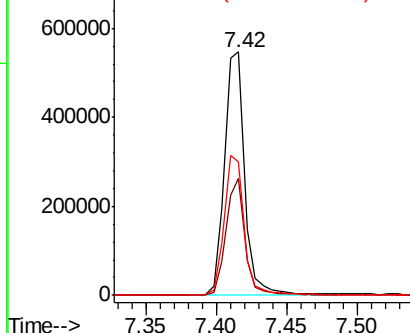
Tot Ion	82	Resp	549963
Ion Ratio	Lower	Upper	
82	100		
128	48.2	35.5	53.3
54	55.0	48.5	72.7

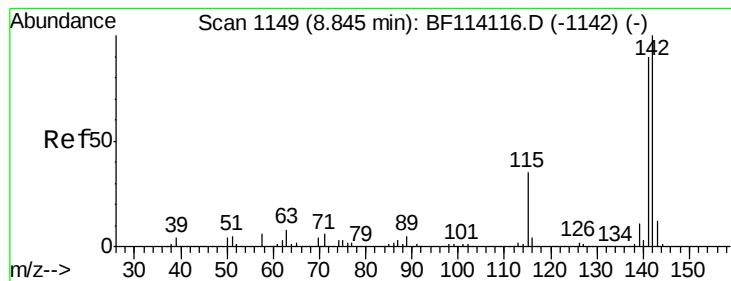
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Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1





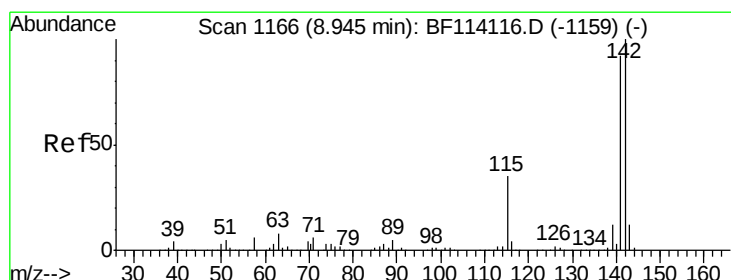
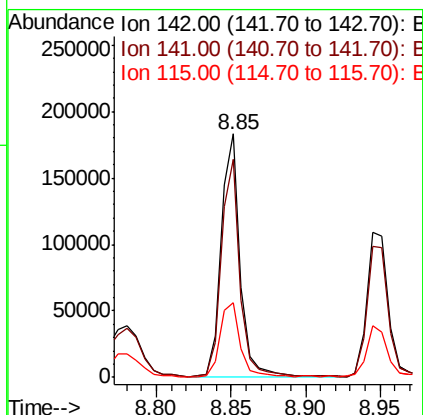
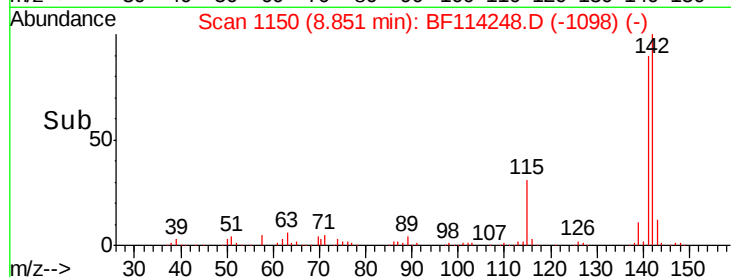
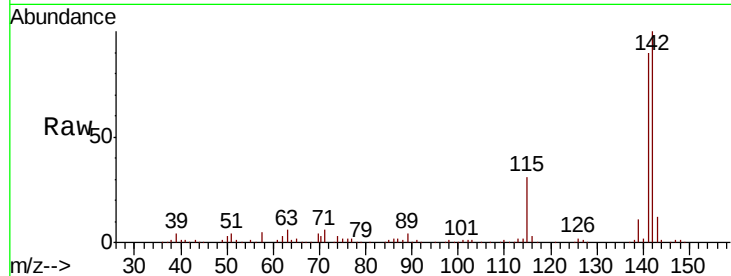
#37
2-Methylnaphthalene
Concen: 5.584 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.1	108.1
115	30.8	28.0	42.0

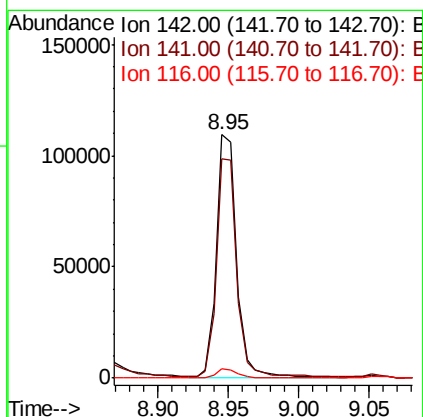
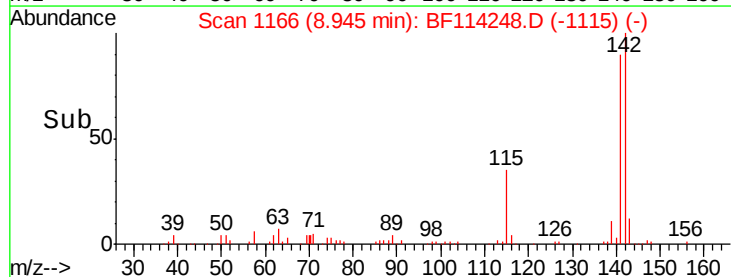
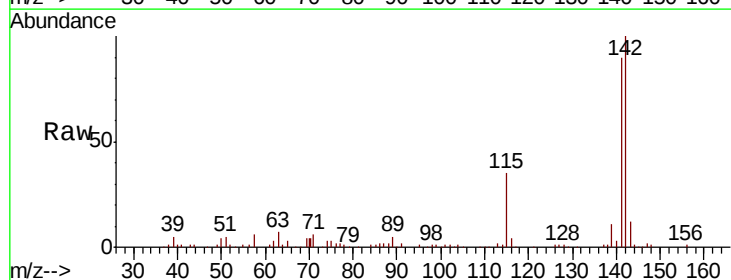
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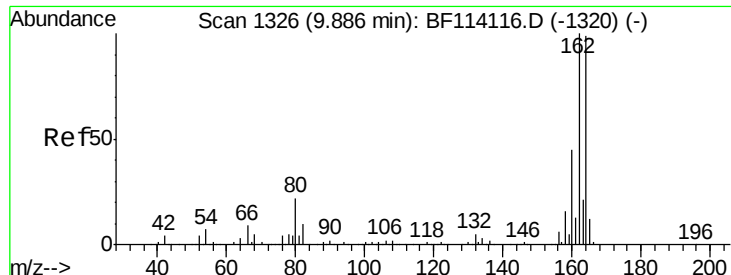
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#38
1-Methylnaphthalene
Concen: 3.895 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.4	110.0
116	3.7	3.1	4.7





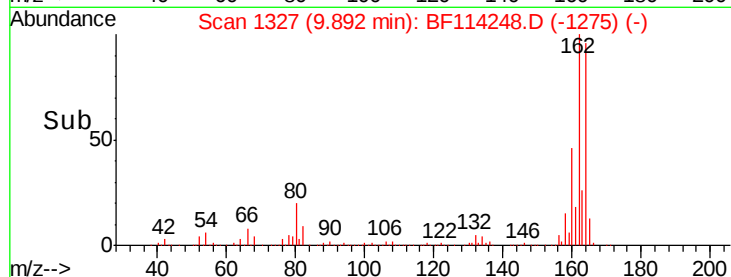
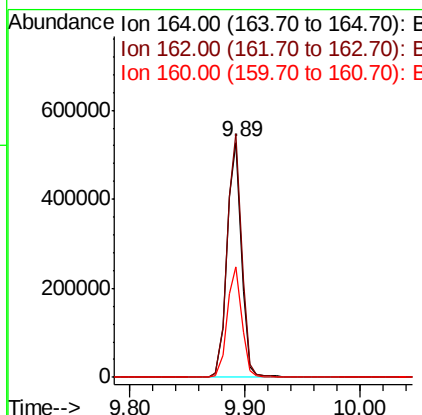
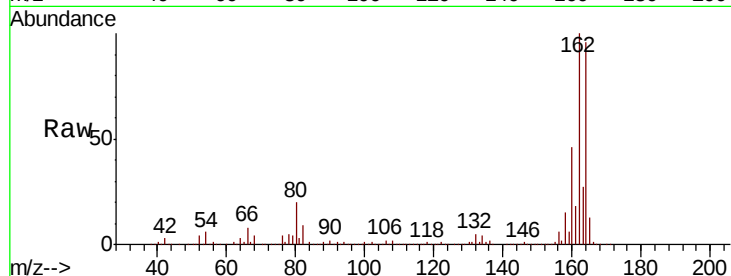
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	80.6	120.8	
160	47.3	36.5	54.7	

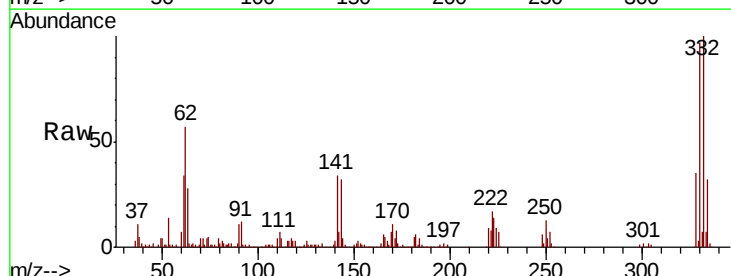
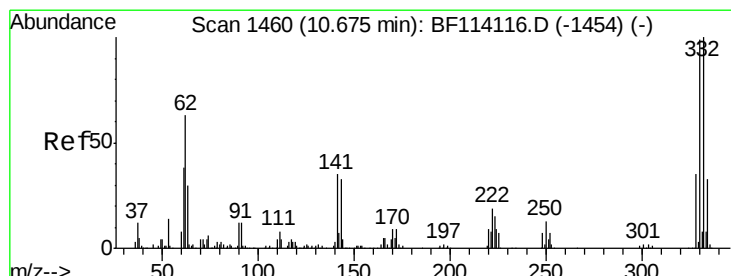
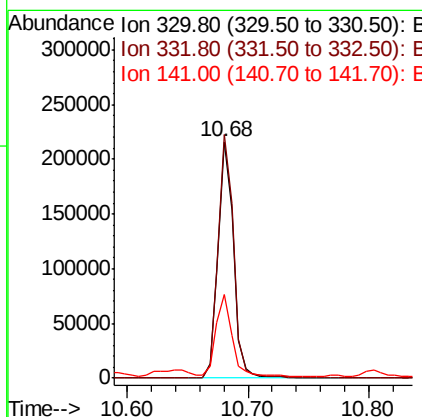
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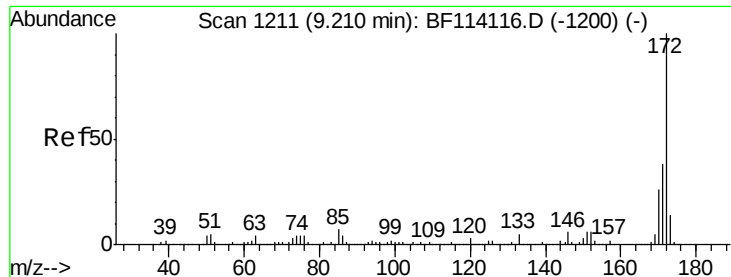
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#42
2,4,6-Tribromophenol
Concen: 40.276 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.6	81.4	122.2	
141	37.2	26.6	40.0	





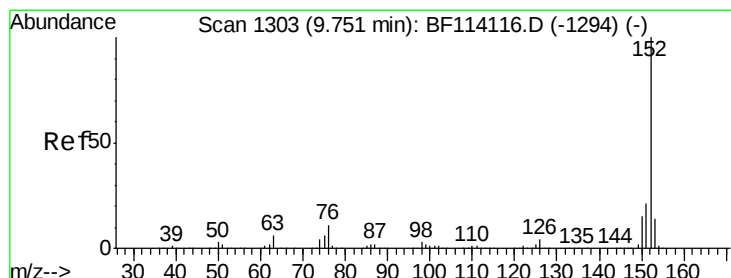
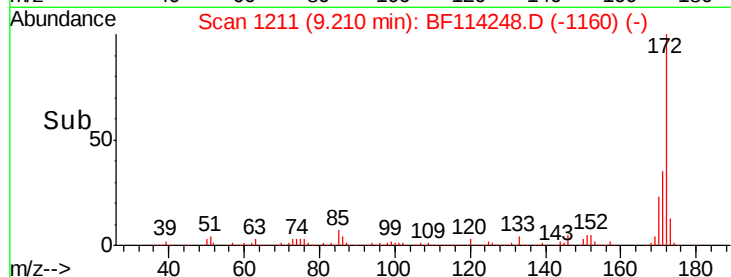
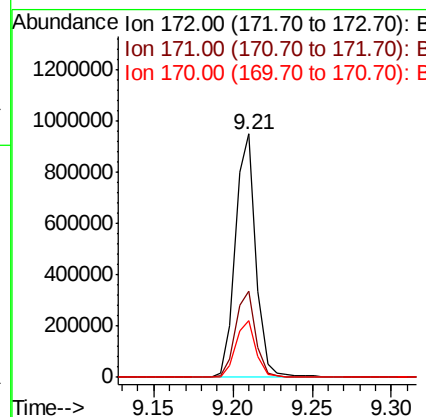
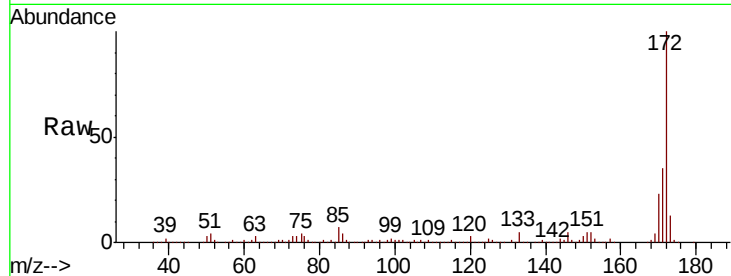
#45
2-Fluorobiphenyl
Concen: 28.215 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.7	46.1
170	23.2	20.5	30.7

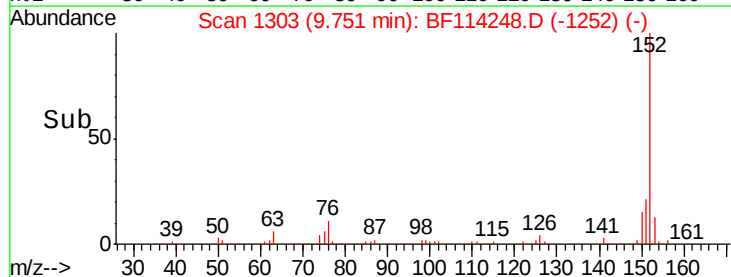
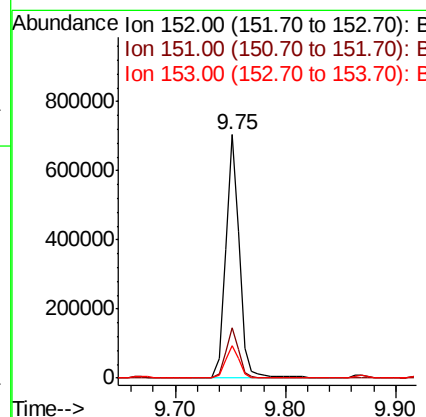
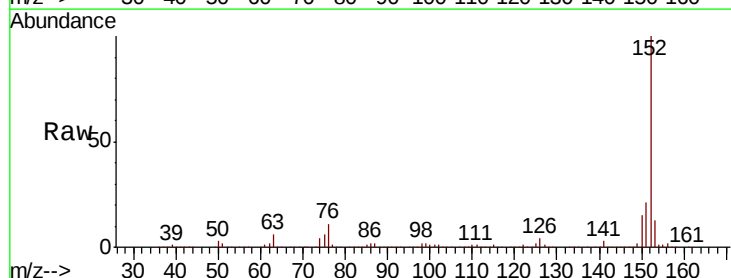
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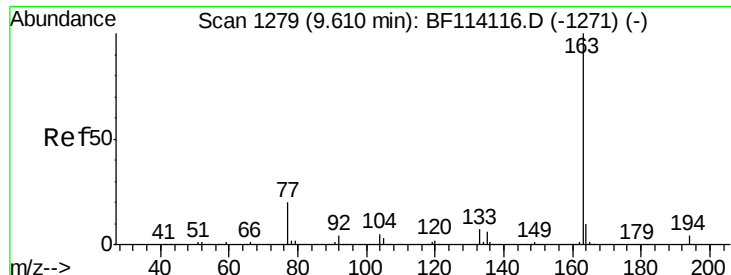
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#49
Acenaphthylene
Concen: 13.368 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.2	11.4	17.2





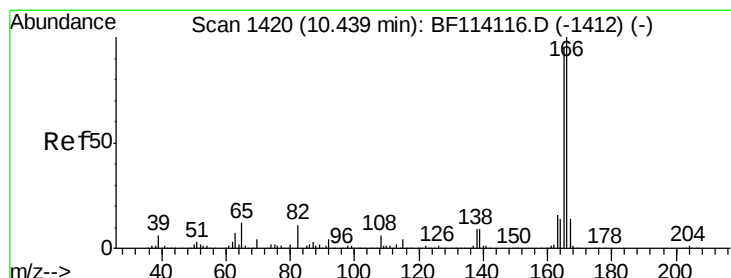
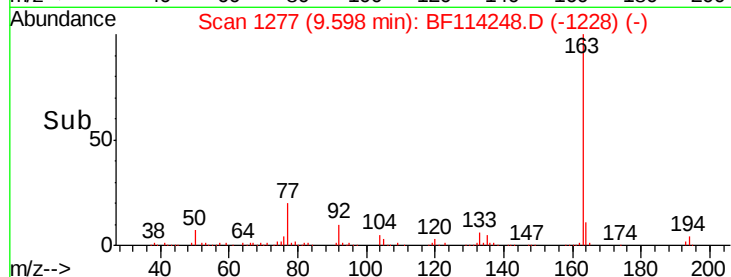
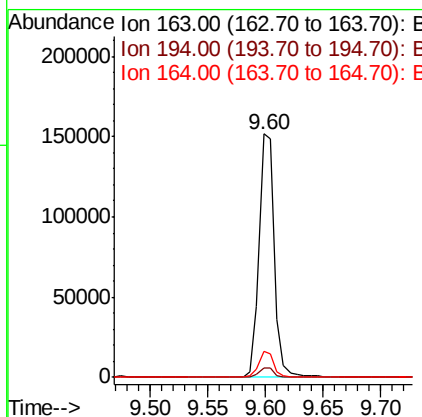
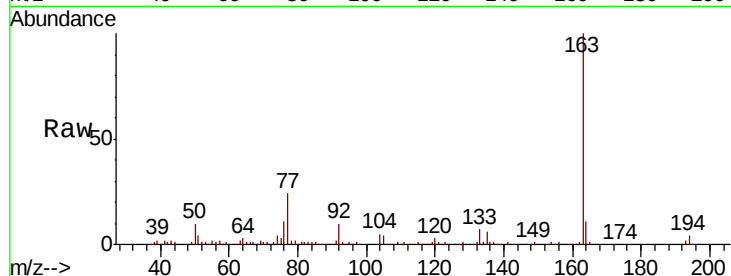
#50
Dimethylphthalate
Concen: 4.262 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	142722		
194	3.7		3.4	5.0
164	10.8		8.2	12.2

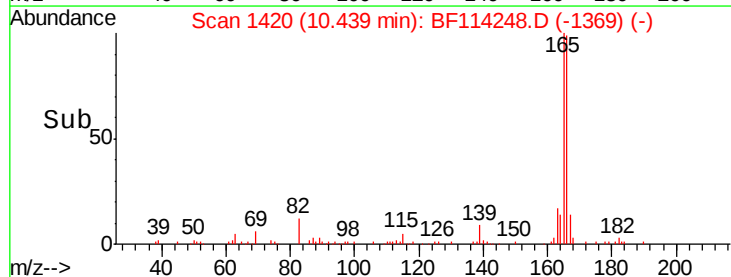
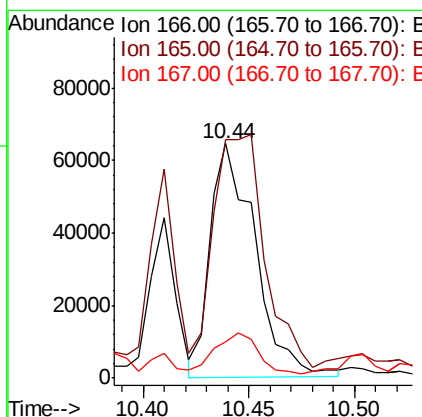
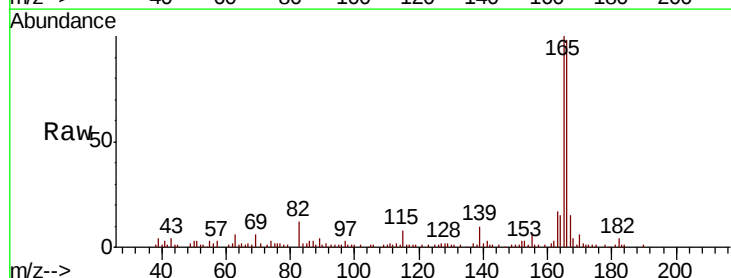
Manual Integrations
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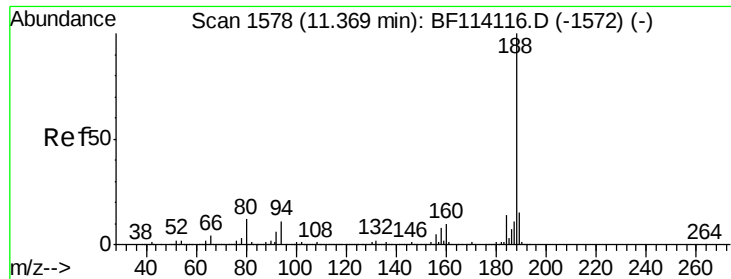
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#58
Fluorene
Concen: 3.038 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	95259		
165	102.0		76.1	114.1
167	15.6		11.1	16.7





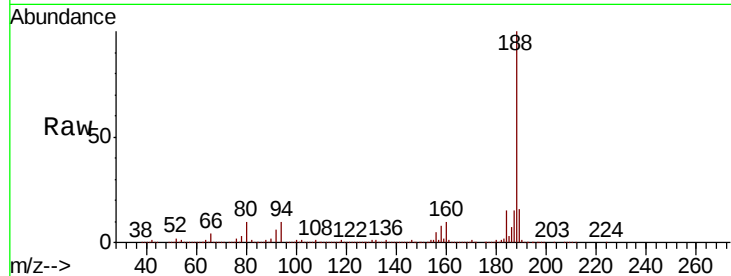
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

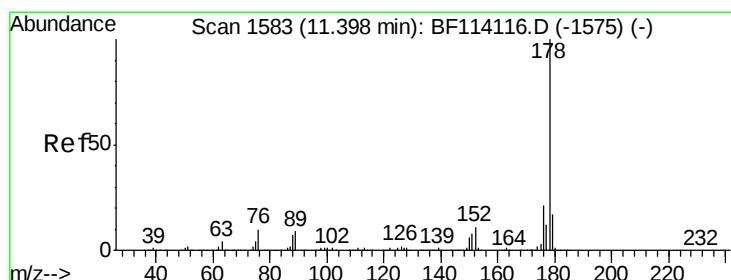
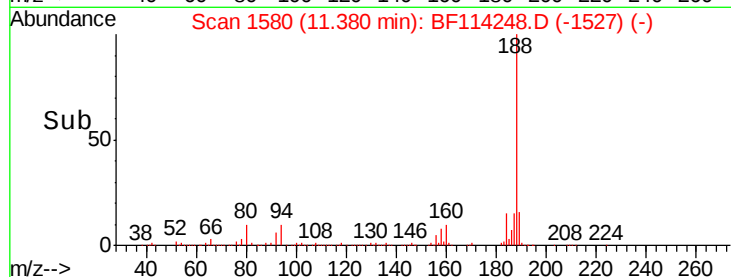
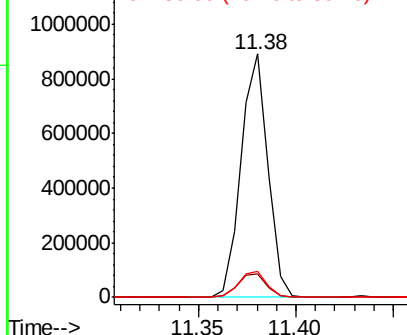
Tot Ion	Ratio	Resp	Lower	Upper
188	100	847256		
94	9.8		8.4	12.6
80	10.4		9.2	13.8

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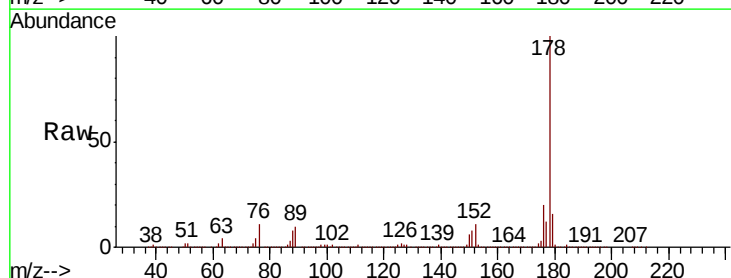


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

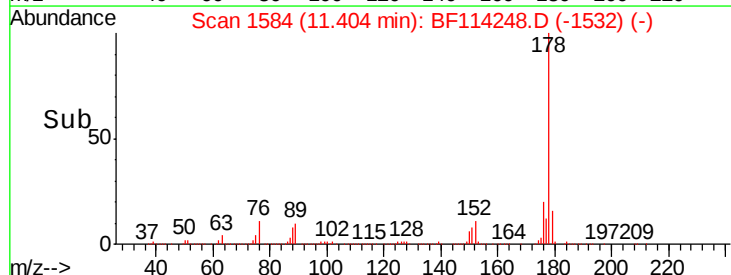
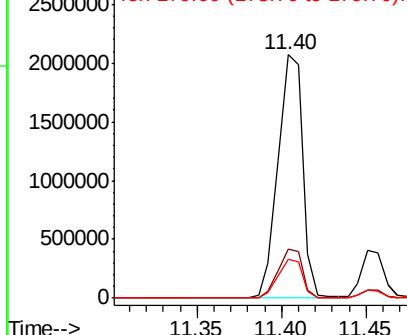


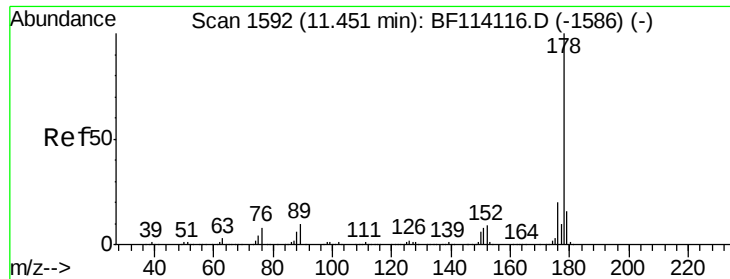
#71
Phenanthrene
Concen: 51.016 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2102866		
176	20.4		16.4	24.6
179	16.1		13.2	19.8



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: 9.230 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114248.D

Acq: 14 May 2019 00:33

Instrument :

BNA_F

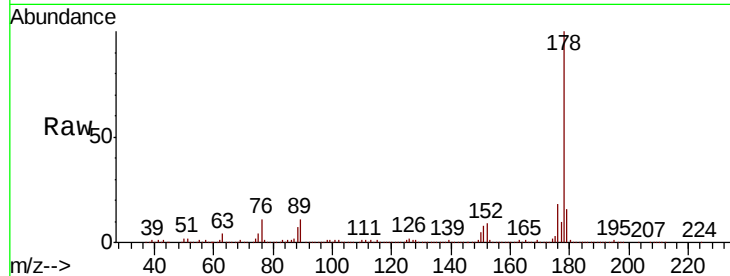
ClientSampleId :

P026-SS007-0002-01DL

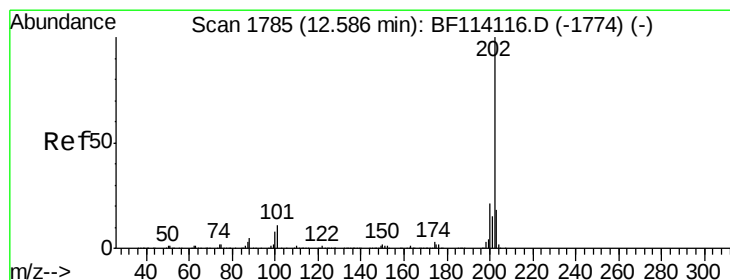
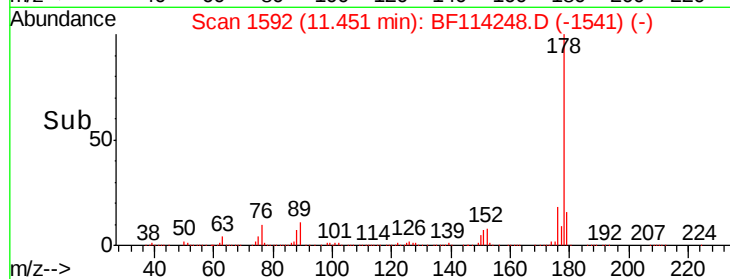
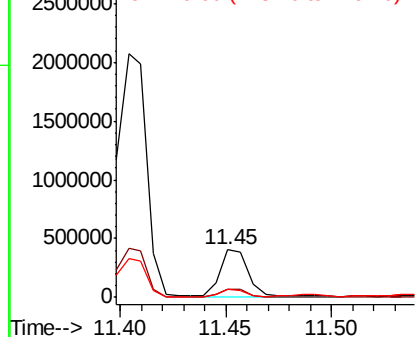
Tot Ion:	178	Resp:	382147
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	16.3	13.0	19.4

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



#75

Fluoranthene

Concen: 54.935 ng

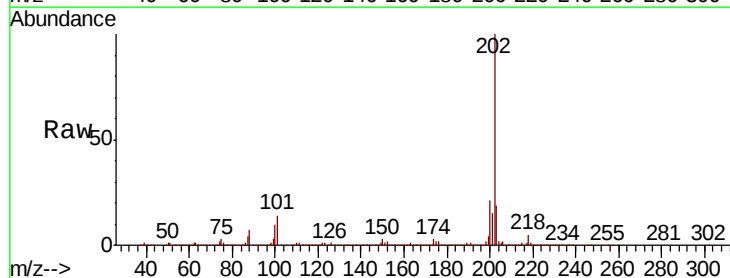
RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

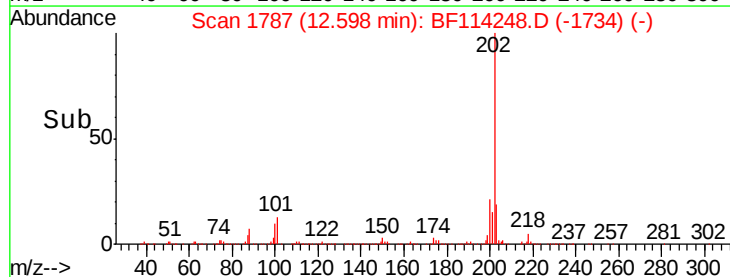
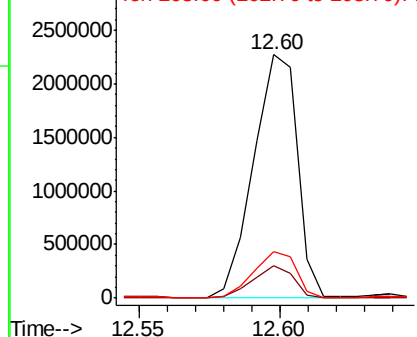
Lab File: BF114248.D

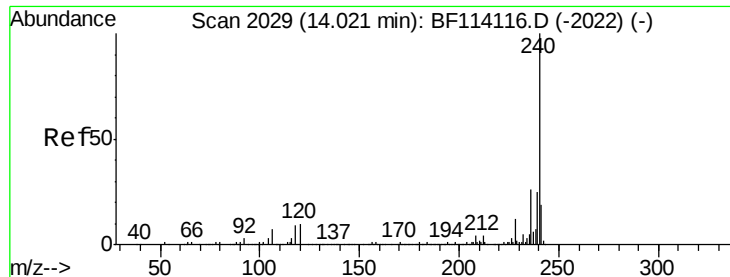
Acq: 14 May 2019 00:33

Tgt Ion:	202	Resp:	2438475
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	31.0
203	19.1	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





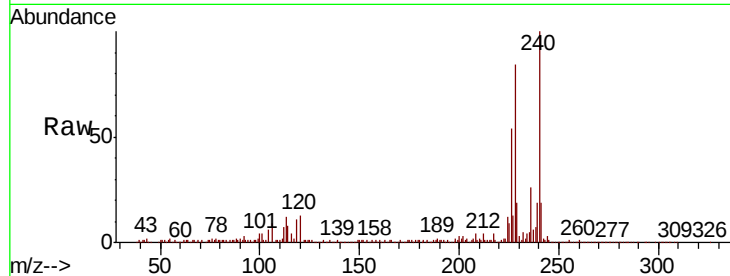
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	25.9	20.8	31.2

Manual Integrations
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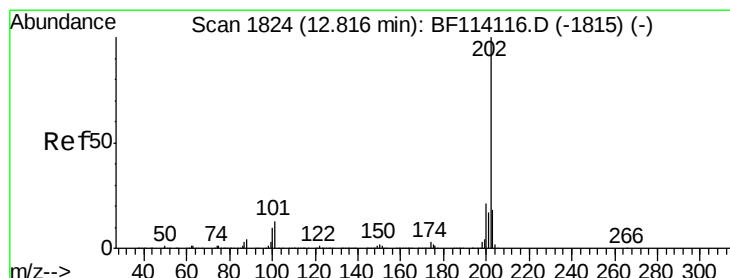
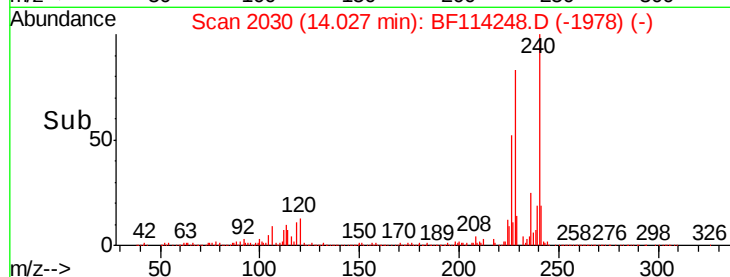
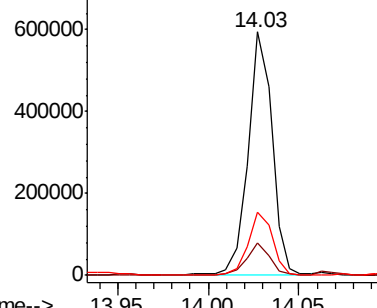


Abundance

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: 89.495 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.02 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

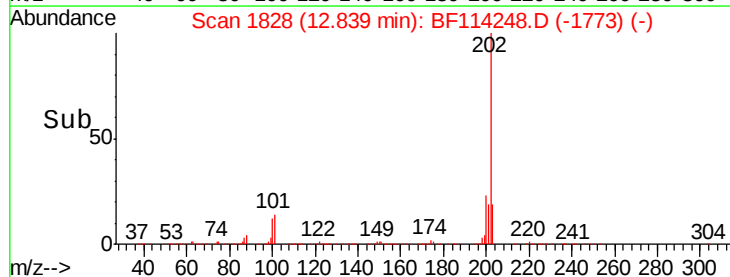
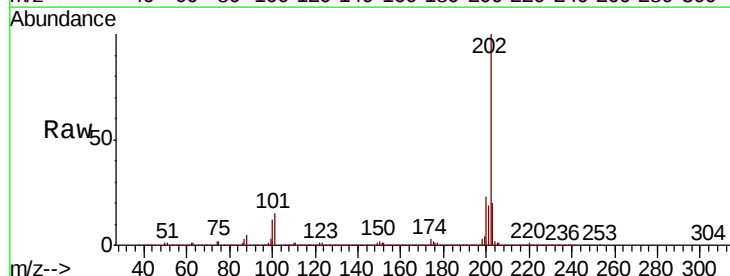
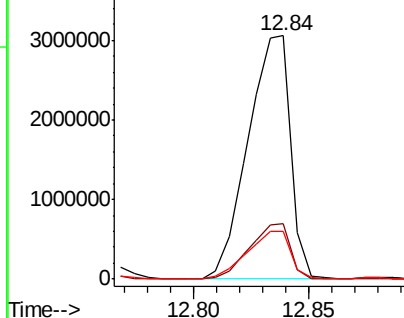
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.9	25.3
203	19.5	14.5	21.7

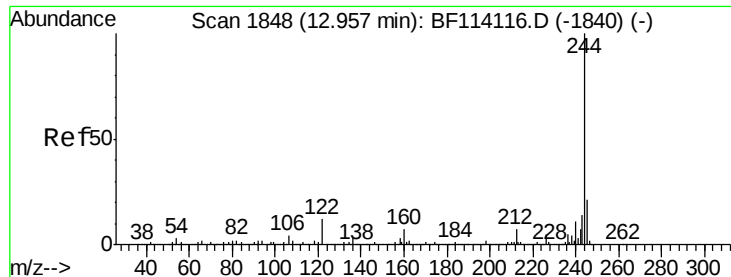
Abundance

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





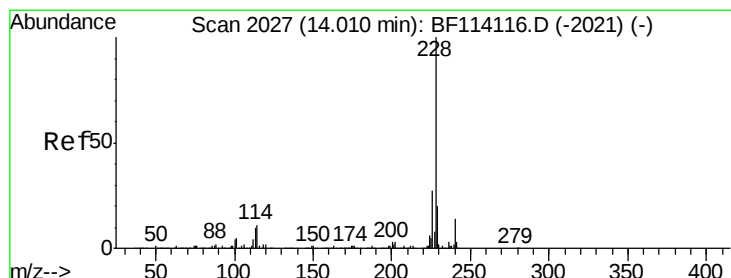
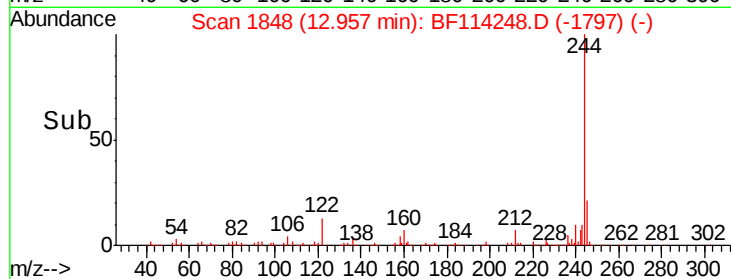
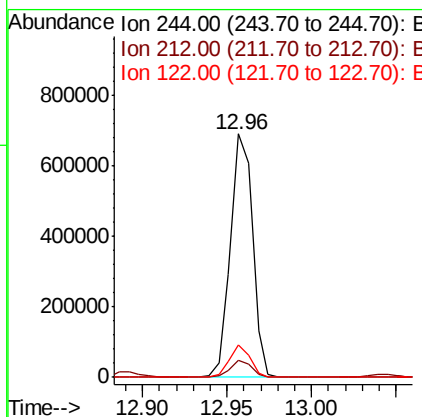
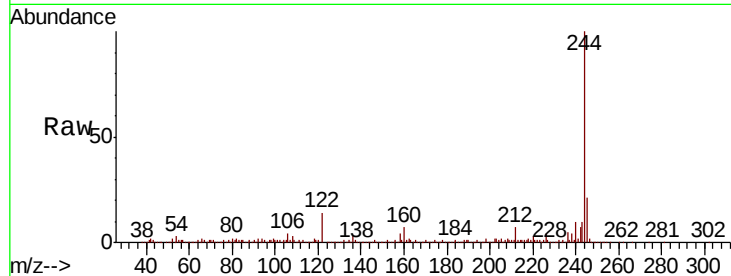
#79
 Terphenyl-d14
 Concen: 23.757 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114248.D
 Acq: 14 May 2019 00:33

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0002-01DL

Tot Ion:	244	Resp:	626147
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.6
122	13.5	9.4	14.2

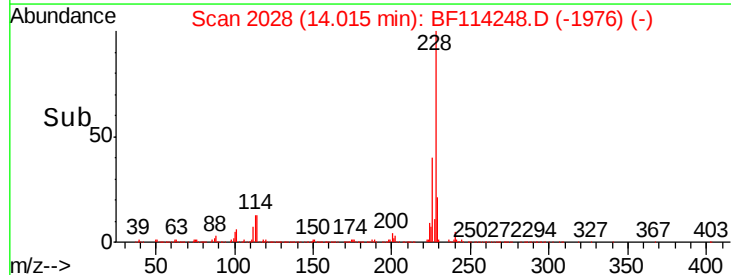
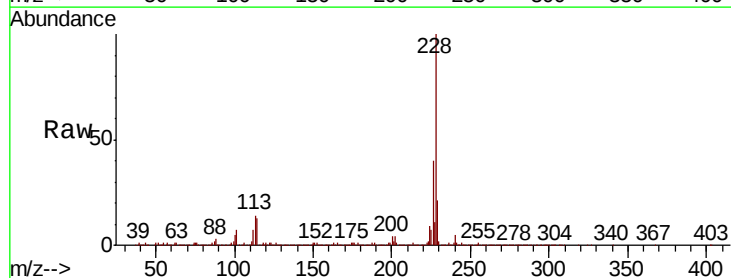
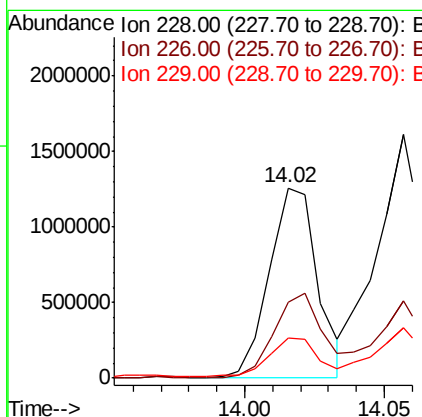
Manual Integrations
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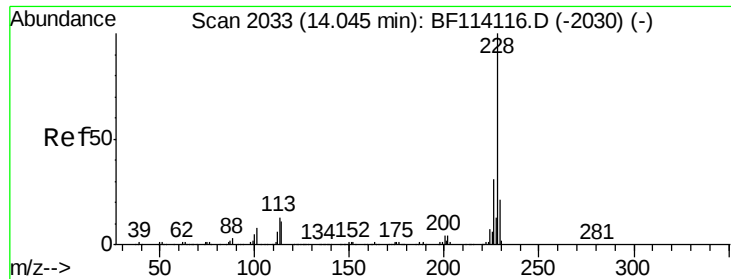
Sohil
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#81
 Benzo(a)anthracene
 Concen: 43.588 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114248.D
 Acq: 14 May 2019 00:33

Tgt Ion:	228	Resp:	1531736
Ion Ratio	Lower	Upper	
228	100		
226	40.2	22.2	33.2#
229	21.3	16.4	24.6





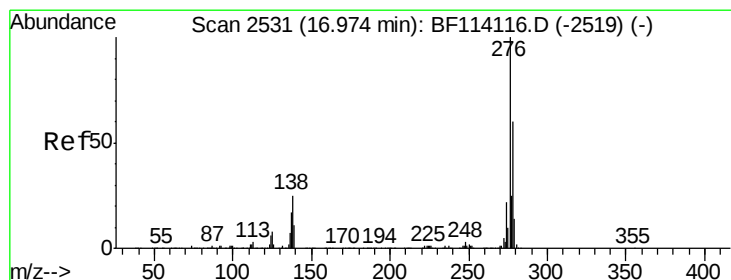
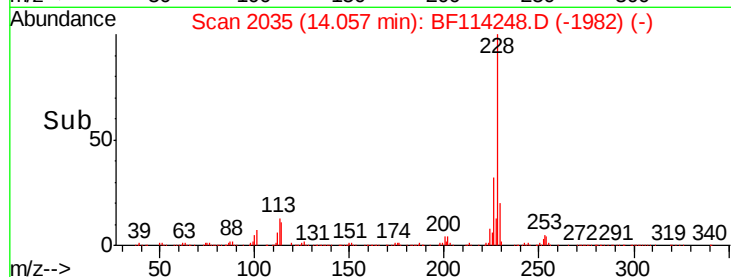
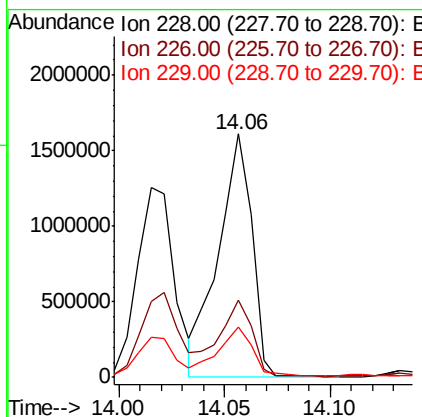
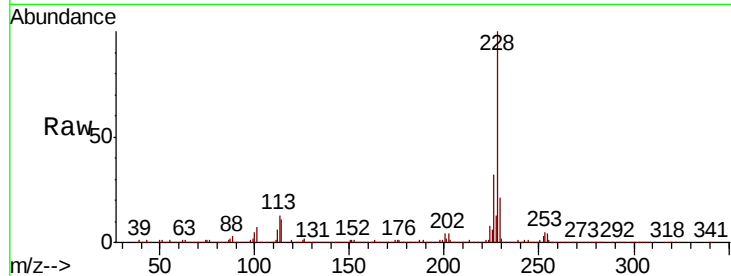
#83
Chrysene
Concen: 51.057 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion:228 Resp: 1758800
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 20.6 17.0 25.6

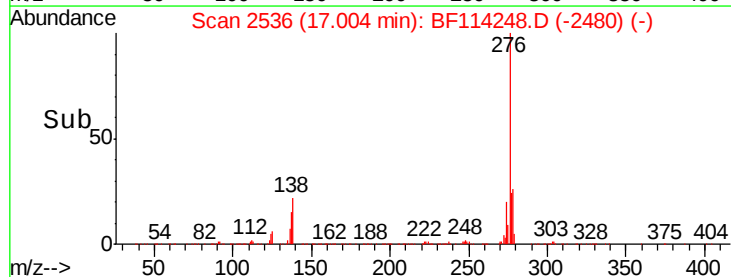
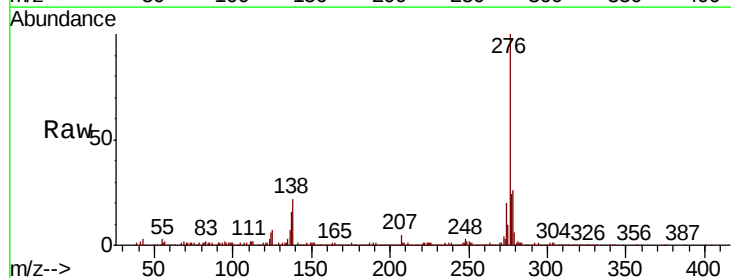
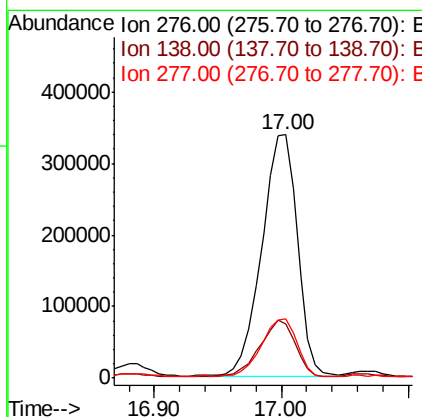
Manual Integrations
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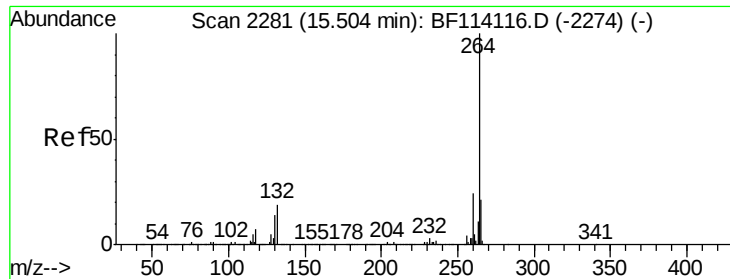
Sohil
5/14/2019 8:03:35 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 21.694 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.03 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion:276 Resp: 660451
Ion Ratio Lower Upper
276 100
138 23.3 20.2 30.2
277 23.9 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF114248.D

Acq: 14 May 2019 00:33

Instrument :

BNA_F

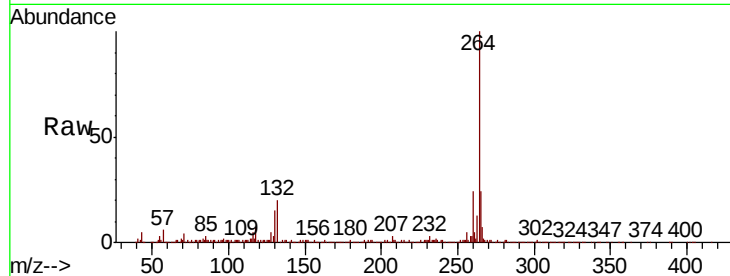
ClientSampleId :

P026-SS007-0002-01DL

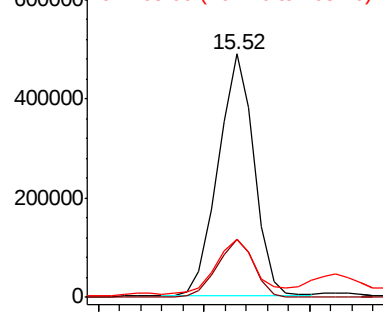
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	23.6	16.9	25.3

Manual Integrations
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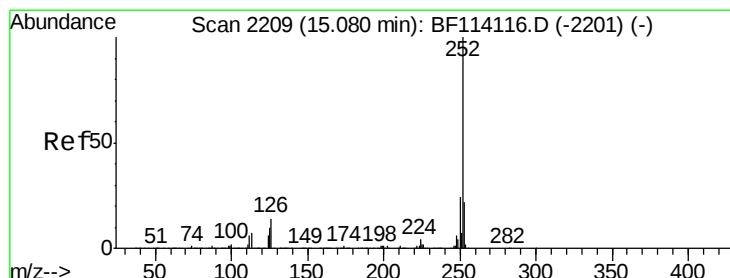
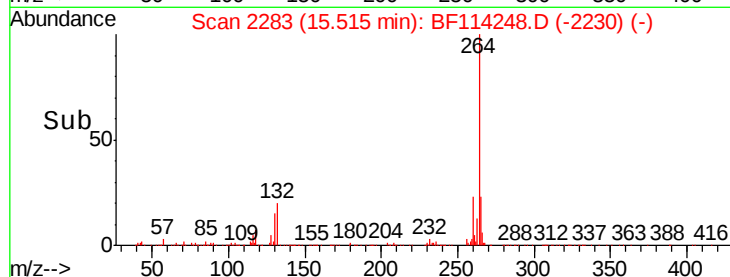
Sohil
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 15.45 15.50 15.55



#88

Benzo(b)fluoranthene

Concen: 46.423 ng m

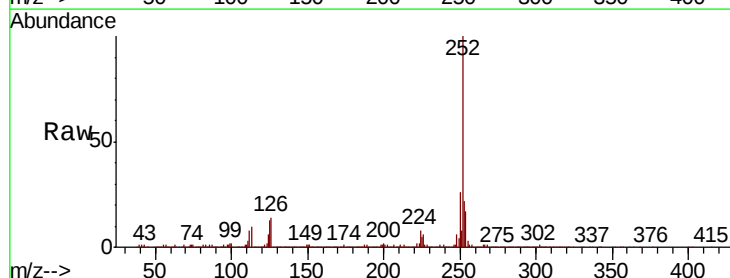
RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

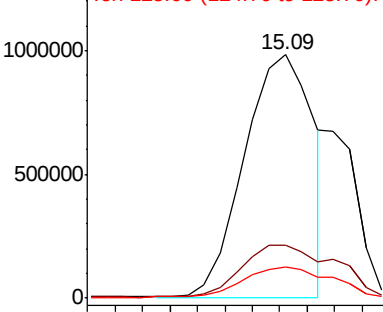
Lab File: BF114248.D

Acq: 14 May 2019 00:33

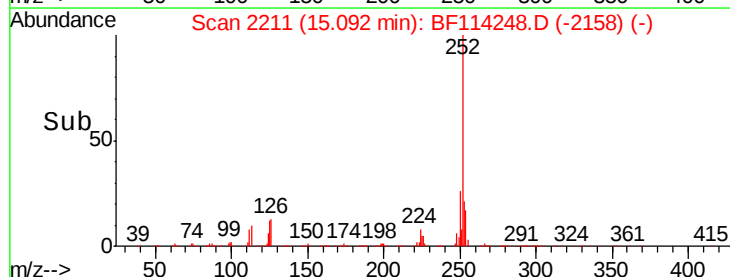
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	12.8	8.3	12.5#

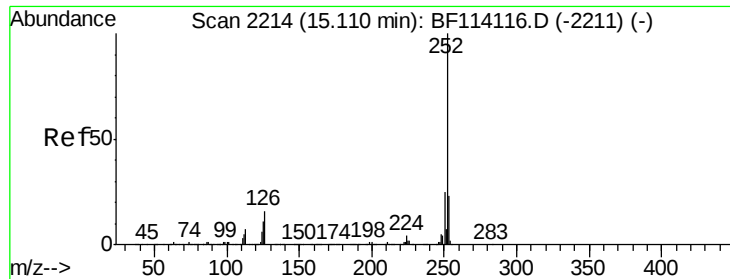


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 15.05 15.10





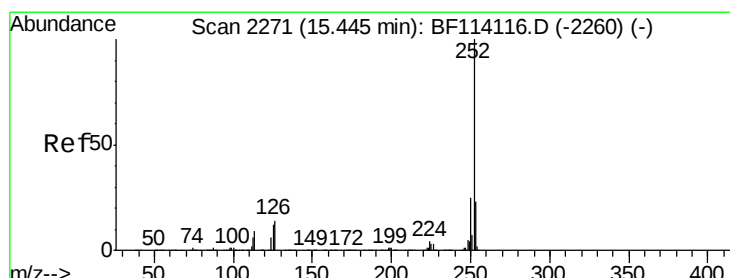
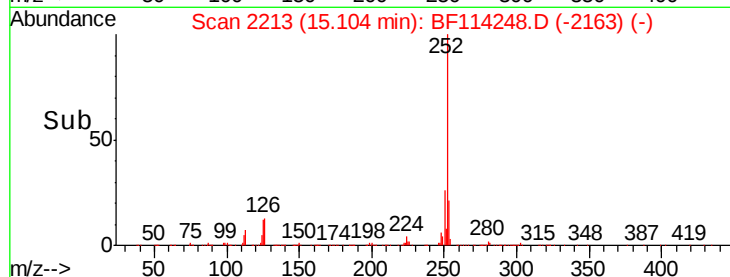
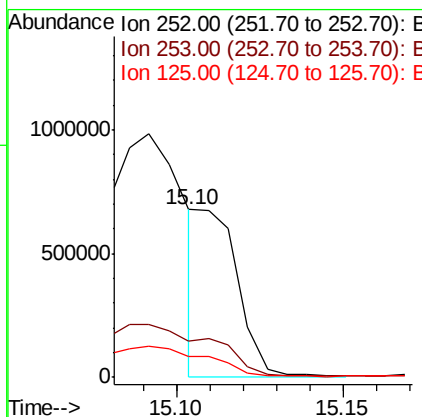
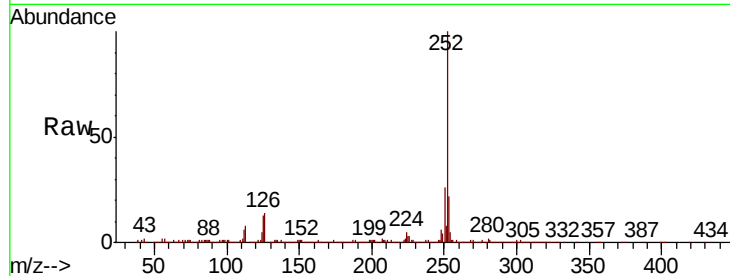
#89
Benzo(k)fluoranthene
Concen: 16.024 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	12.6	8.6	13.0

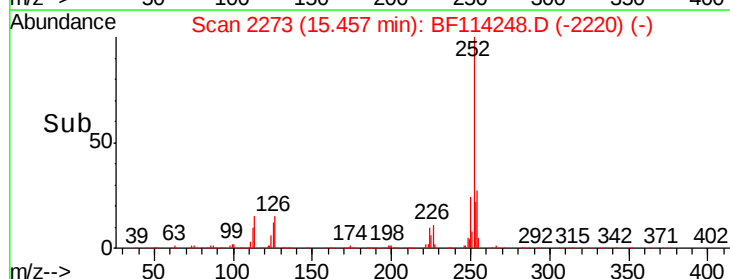
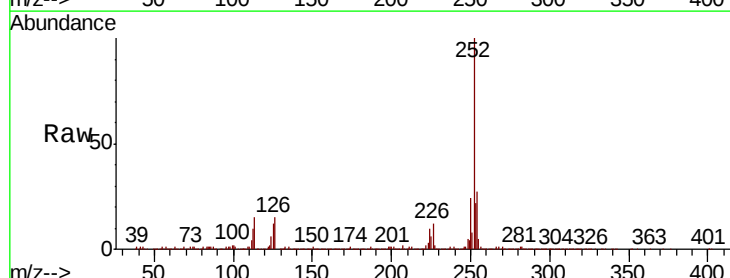
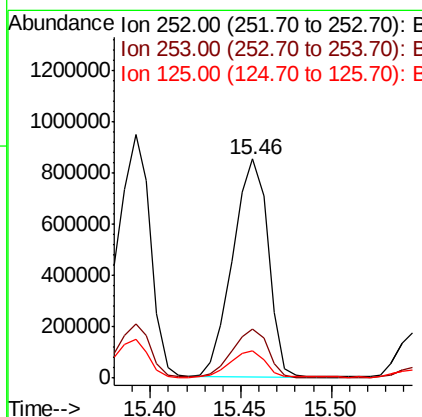
Manual Integrations
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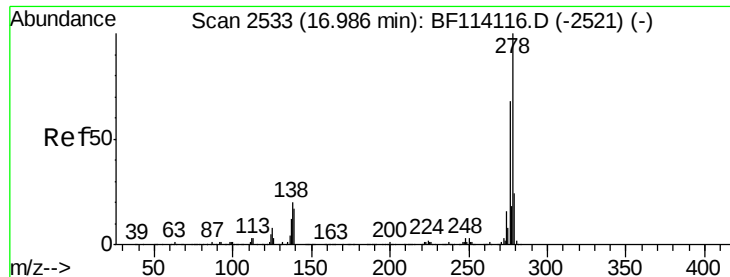
Sohil
5/14/2019 8:03:35 PM



#90
Benzo(a)pyrene
Concen: 35.549 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.2	9.5	14.3





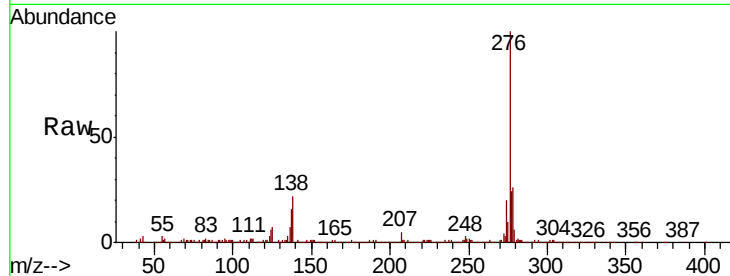
#91
Dibenzo(a,h)anthracene
Concen: 6.656 ng m
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01DL

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

Manual Integrations
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5/14/2019 8:03:35 PM

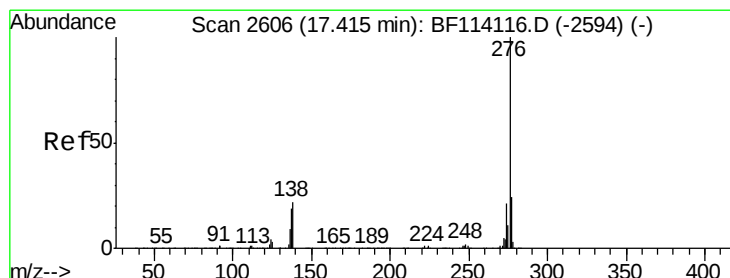
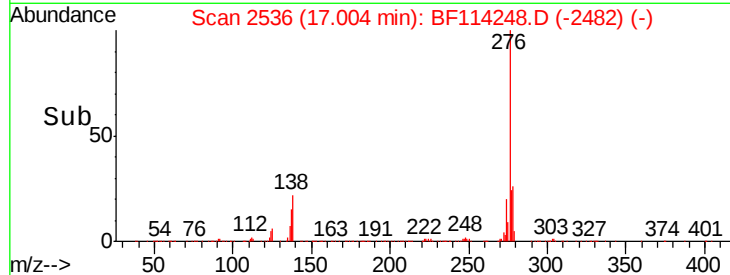
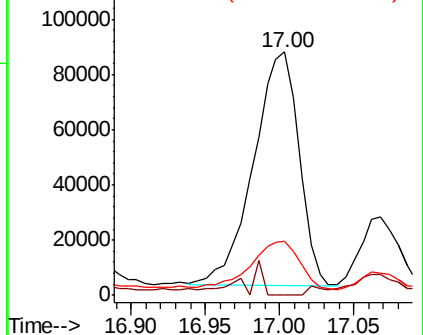


Abundance

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: 27.539 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.04 min
Lab File: BF114248.D
Acq: 14 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	22.9	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

