

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
 Data File : BF114262.D
 Acq On : 14 May 2019 19:18
 Operator : JU/SJ
 Sample : K2766-06DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

Manual Integrations
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mohammad
 5/16/2019 9:10:08 AM

Quant Time: May 15 03:11:15 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	6.86	152	210433	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	827247	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	390402	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	777261	20.00	ng	0.01
76) Chrysene-d12	14.03	240	589215	20.00	ng	0.00
87) Perylene-d12	15.51	264	648846	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	582150	44.52	ng	0.00
7) Phenol-d6	6.50	99	778612	50.34	ng	0.01
23) Nitrobenzene-d5	7.41	82	459301	31.16	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	178601	44.25	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	789219	30.58	ng	0.00
79) Terphenyl-d14	12.96	244	780295	27.30	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	150583	3.897	ng	96
37) 2-Methylnaphthalene	8.85	142	62620	2.512	ng	94
49) Acenaphthylene	9.75	152	259120	6.712	ng	96
50) Dimethylphthalate	9.60	163	110108	3.842	ng	98
71) Phenanthrene	11.40	178	1125287	29.758	ng	98
72) Anthracene	11.45	178	171803	4.523	ng	97
75) Fluoranthene	12.60	202	1416605	34.788	ng	100
78) Pyrene	12.83	202	2440157	51.481	ng	99
81) Benzo(a)anthracene	14.02	228	905910m	23.771	ng	
83) Chrysene	14.05	228	1090046	29.178	ng	99
86) Indeno(1,2,3-cd)pyrene	16.99	276	355791	10.776	ng	94
88) Benzo(b)fluoranthene	15.08	252	1109355m	26.687	ng	
89) Benzo(k)fluoranthene	15.10	252	274582m	7.191	ng	
90) Benzo(a)pyrene	15.45	252	727059	19.874	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	90808	2.987	ng	# 32
92) Benzo(g,h,i)perylene	17.44	276	487146	15.990	ng	98

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

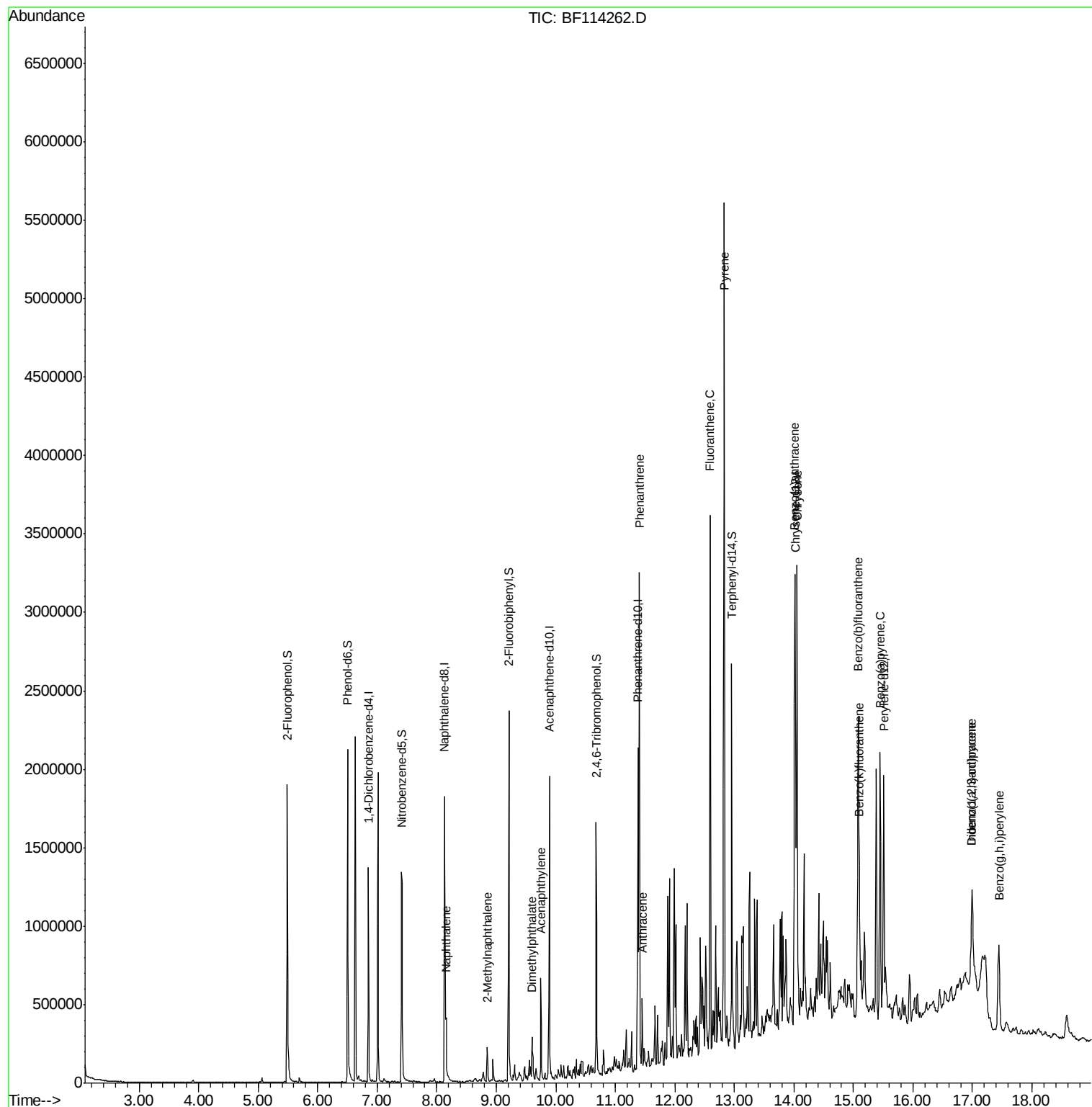
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114262.D
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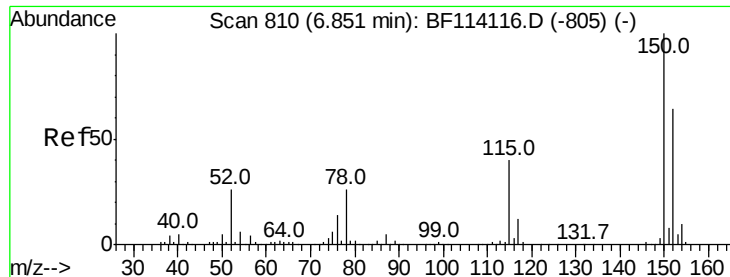
Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

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Quant Time: May 15 03:11:15 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

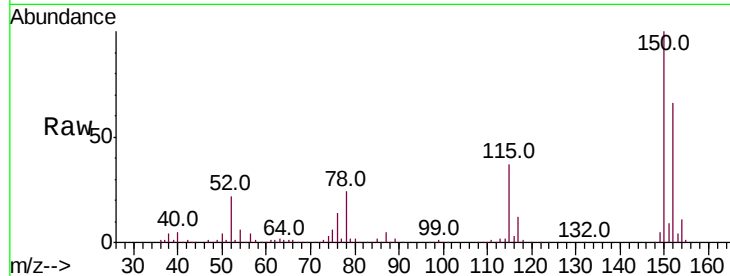
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.3	186.5
115	56.3	49.1	73.7

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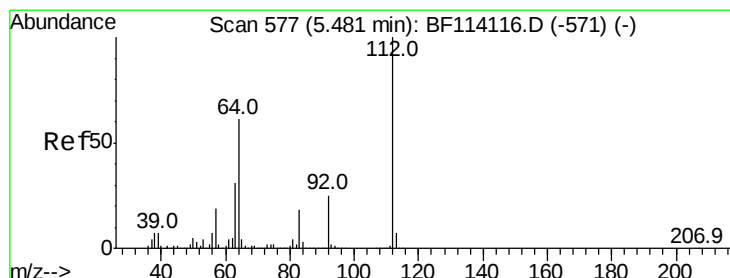
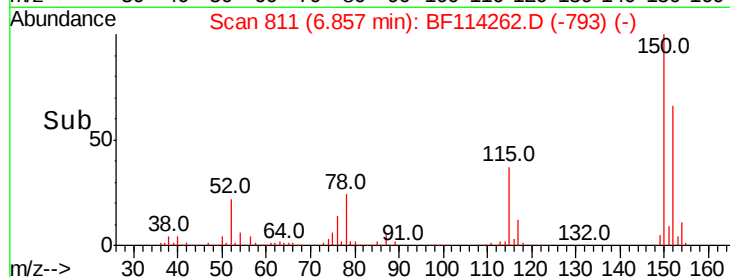
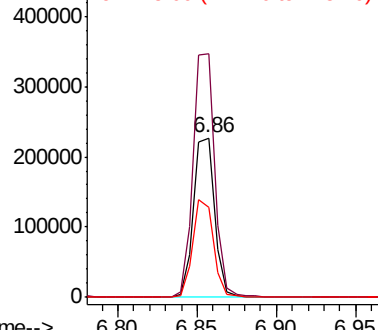


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

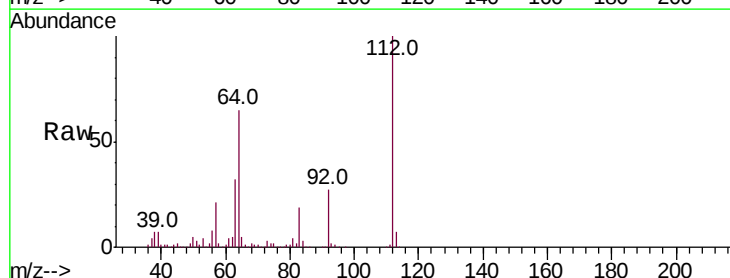
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.519 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	49.0	73.6
63	32.2	24.6	37.0

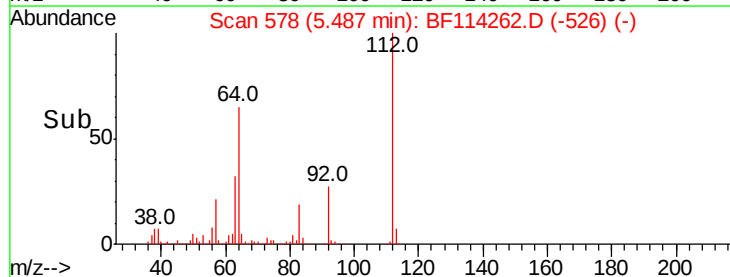
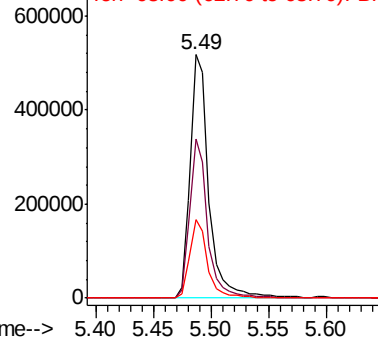


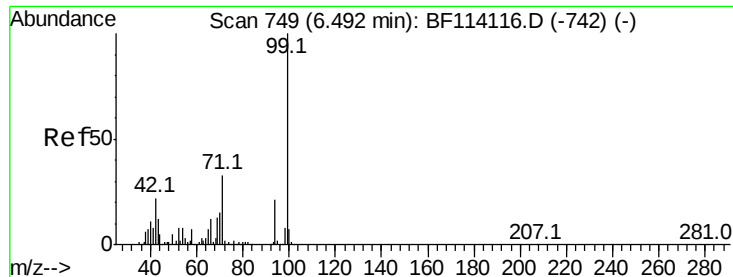
Abundance

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: 50.344 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114262.D

Acq: 14 May 2019 19:18

Instrument :

BNA_F

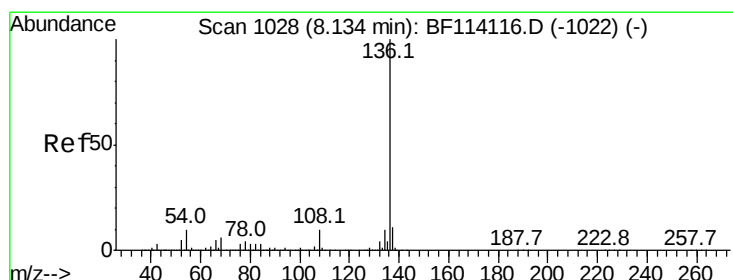
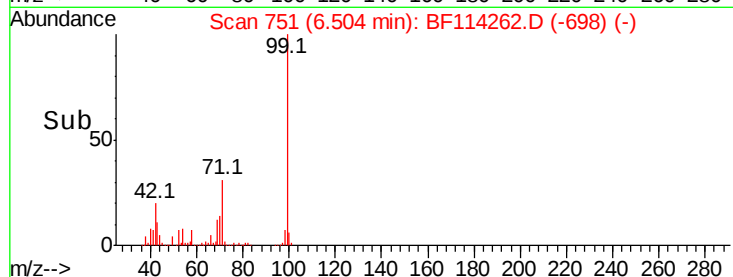
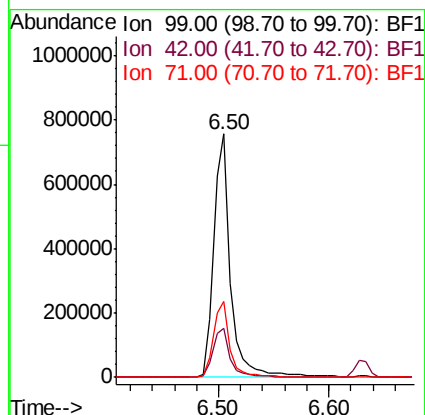
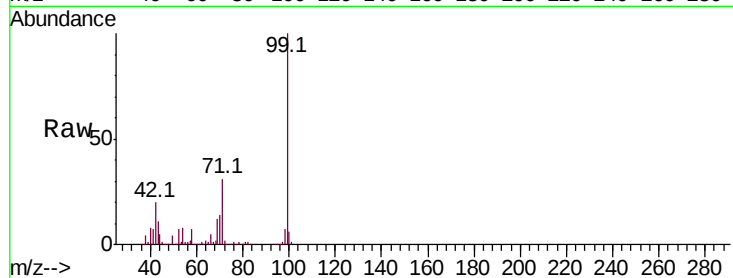
ClientSampleId :

P026-SS007-0206-01DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		778612		
42	20.1	17.9	26.9		
71	31.1	26.2	39.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

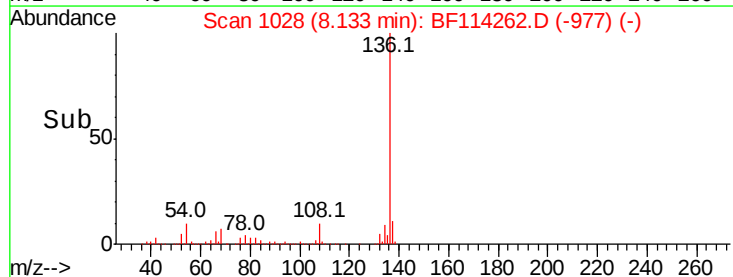
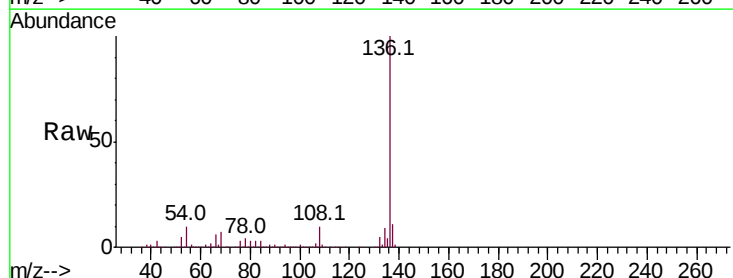
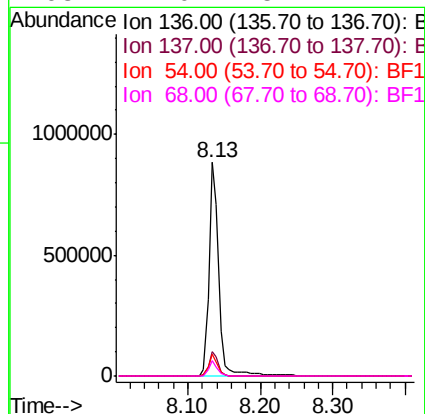
RT: 8.13 min Scan# 1028

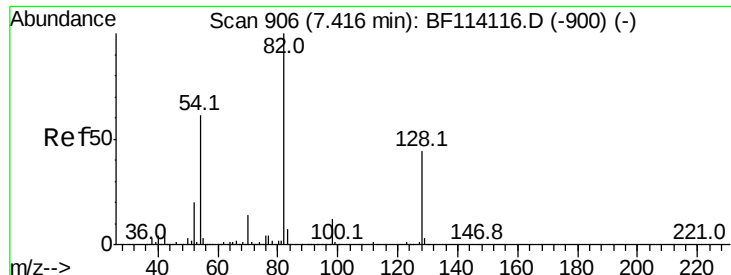
Delta R.T. -0.00 min

Lab File: BF114262.D

Acq: 14 May 2019 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		827247		
137	11.2	8.8	13.2		
54	10.2	7.8	11.8		
68	7.0	5.1	7.7		





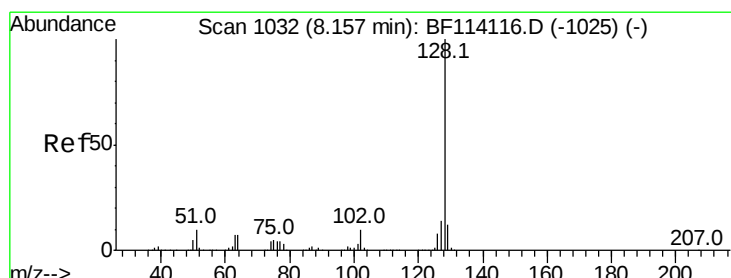
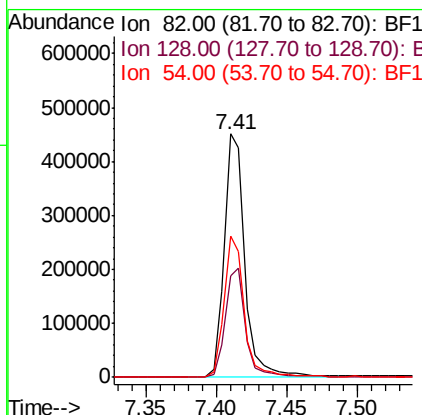
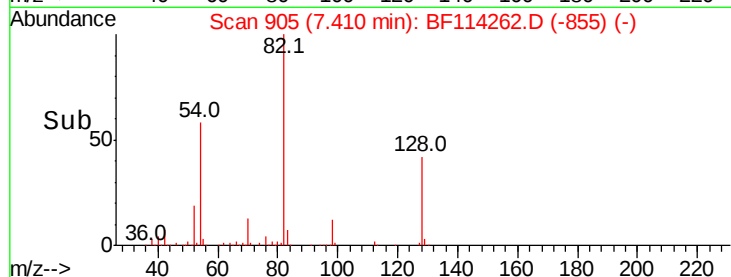
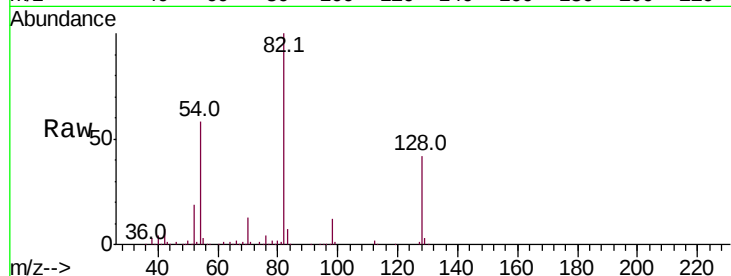
#23
Nitrobenzene-d5
Concen: 31.159 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.5	53.3
54	58.1	48.5	72.7

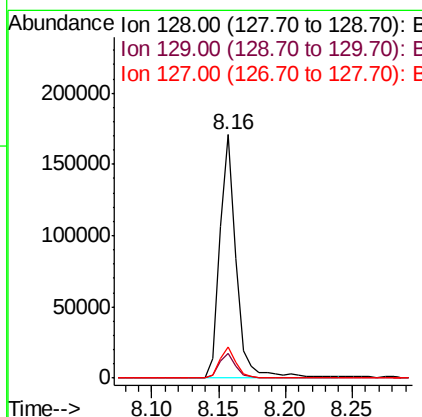
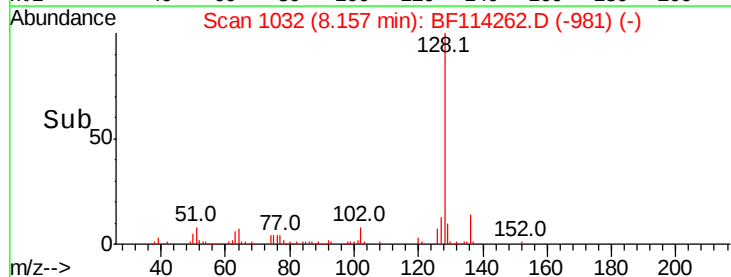
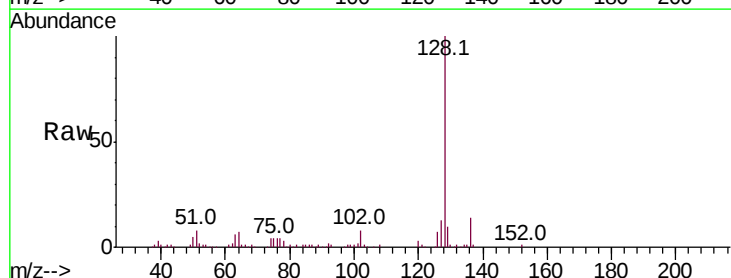
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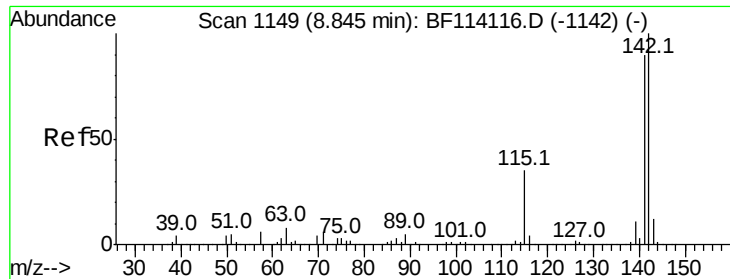
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#31
Naphthalene
Concen: 3.897 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.6	14.4
127	12.6	11.3	16.9





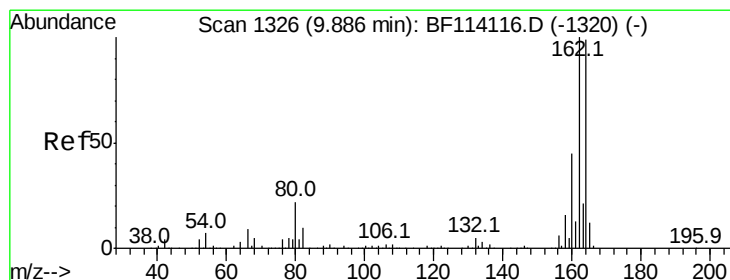
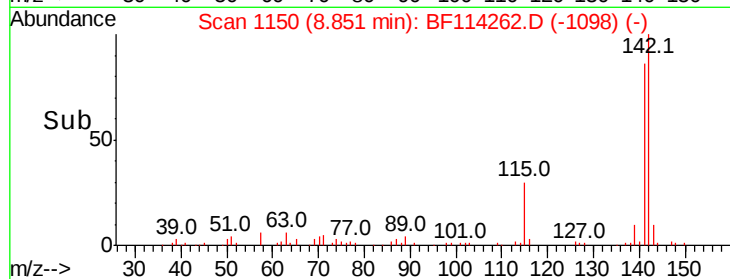
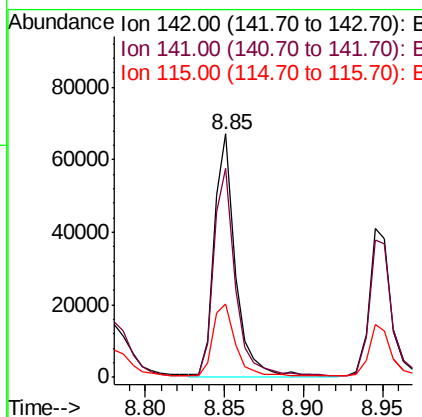
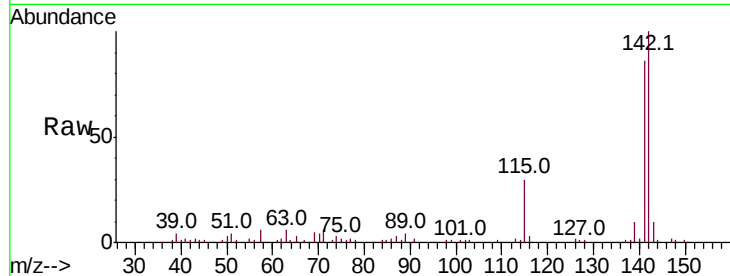
#37
2-Methylnaphthalene
Concen: 2.512 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.8	72.1	108.1
115	30.3	28.0	42.0

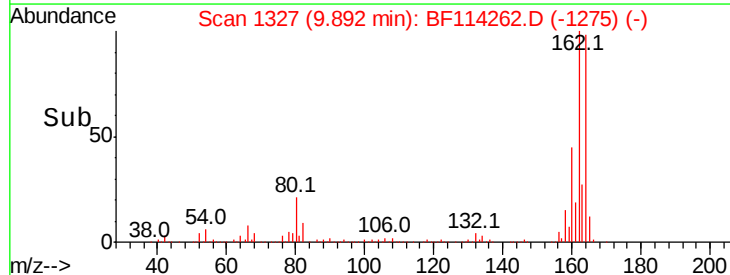
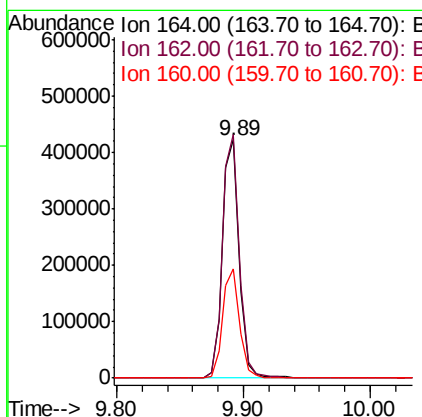
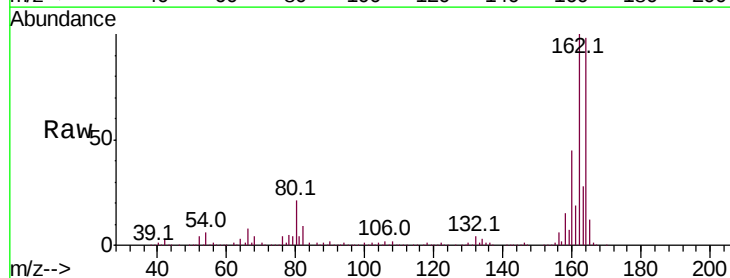
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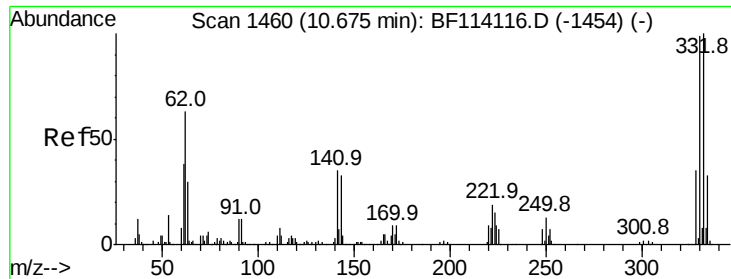
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	46.1	36.5	54.7





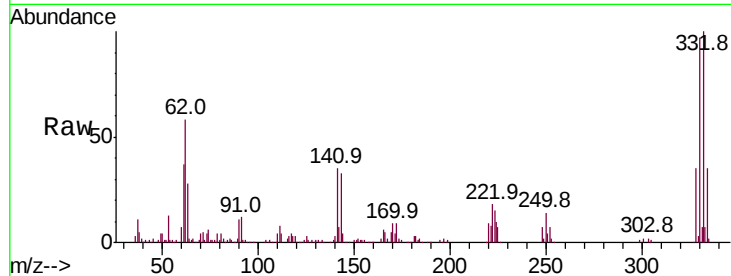
#42
 2,4,6-Tribromophenol
 Concen: 44.251 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.01 min
 Lab File: BF114262.D
 Acq: 14 May 2019 19:18

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

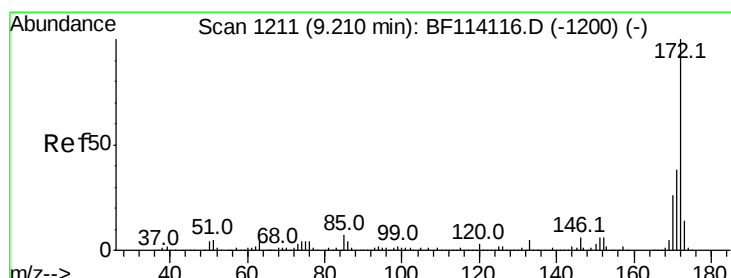
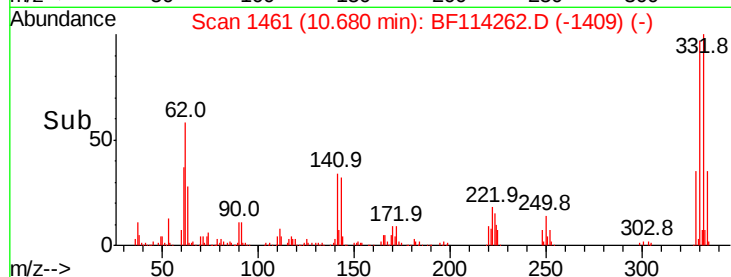
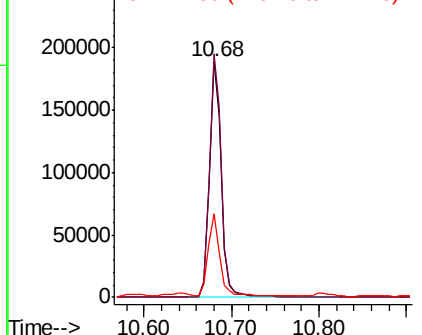
Tot Ion	Ratio	Resp	Lower	Upper
330	100	178601		
332	102.8	81.4	122.2	
141	34.6	26.6	40.0	

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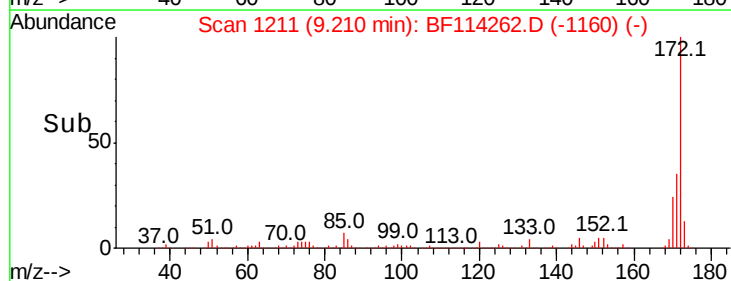
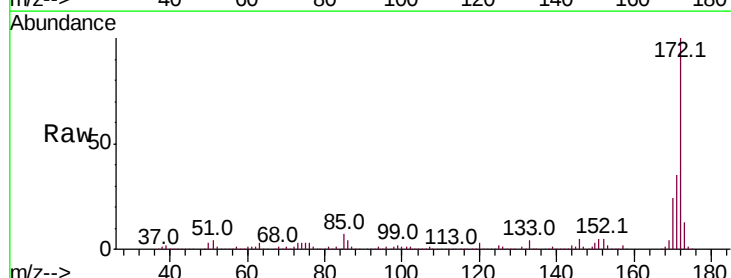
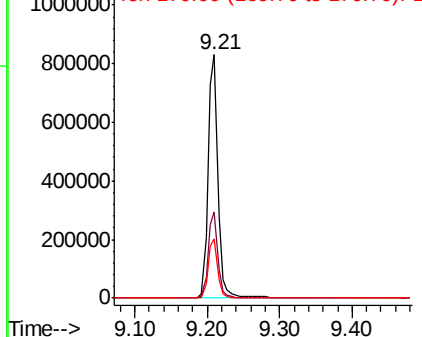
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

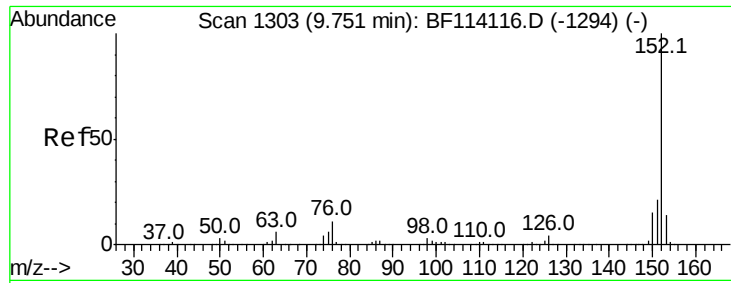


#45
 2-Fluorobiphenyl
 Concen: 30.579 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114262.D
 Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	789219		
171	35.2	30.7	46.1	
170	24.1	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: 6.712 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114262.D

Acq: 14 May 2019 19:18

Instrument :

BNA_F

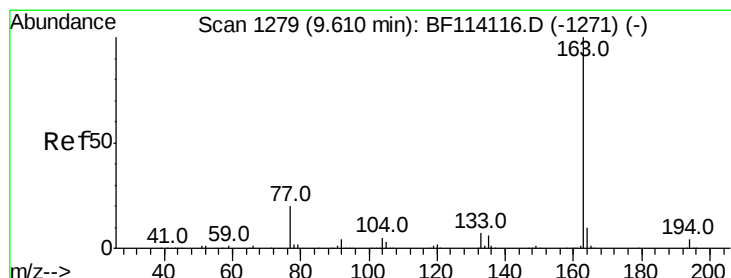
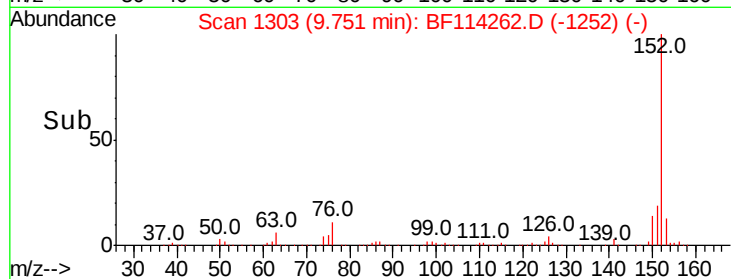
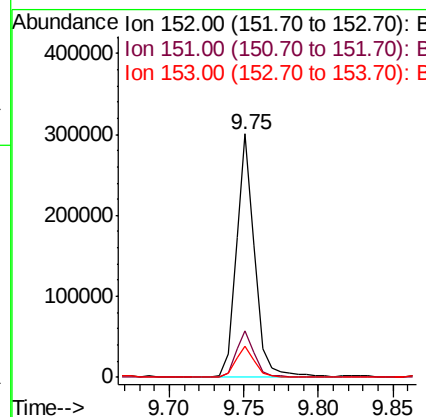
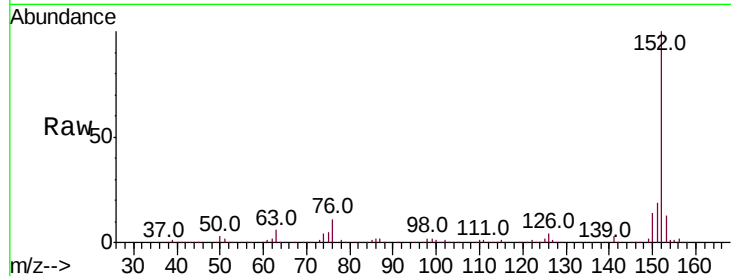
ClientSampleId :

P026-SS007-0206-01DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	259120		
151	19.3		16.8	25.2
153	12.8		11.4	17.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 3.842 ng

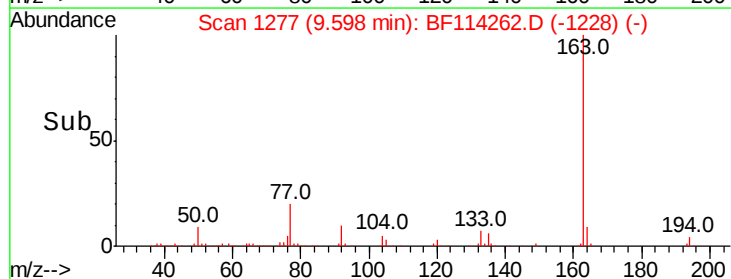
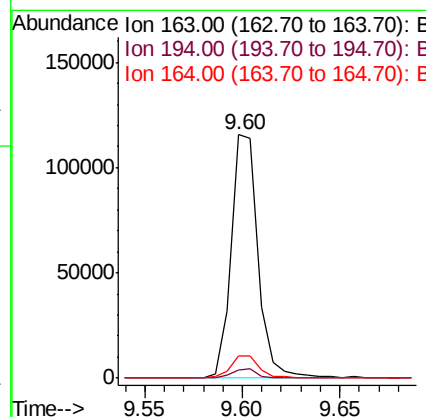
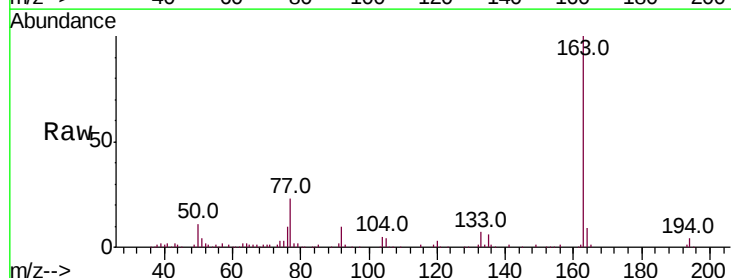
RT: 9.60 min Scan# 1277

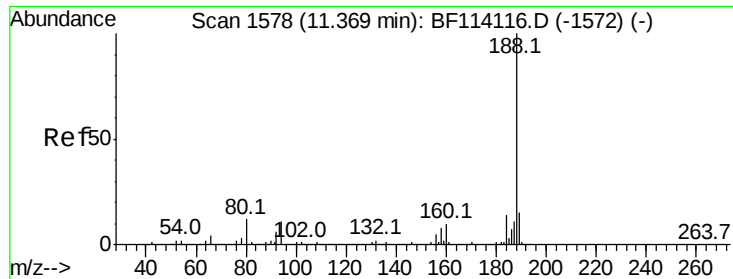
Delta R.T. -0.01 min

Lab File: BF114262.D

Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	110108		
194	3.5		3.4	5.0
164	9.3		8.2	12.2





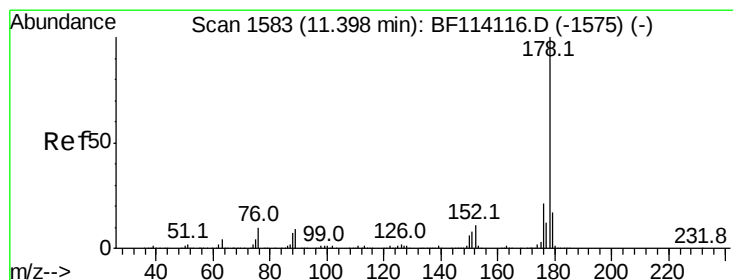
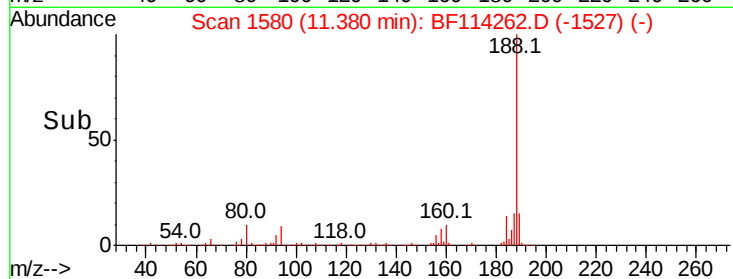
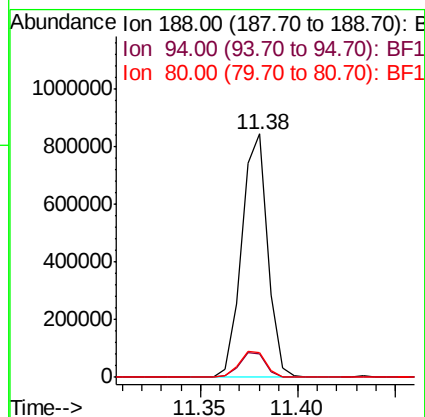
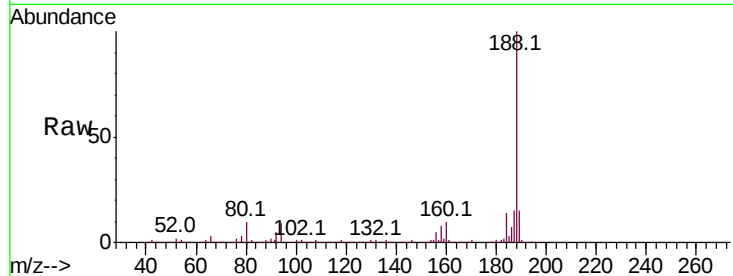
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	777261		
94	9.5		8.4	12.6
80	10.1		9.2	13.8

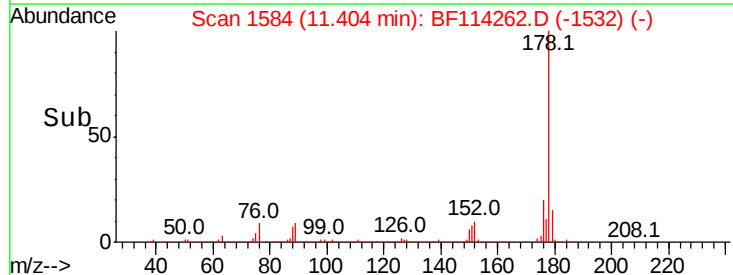
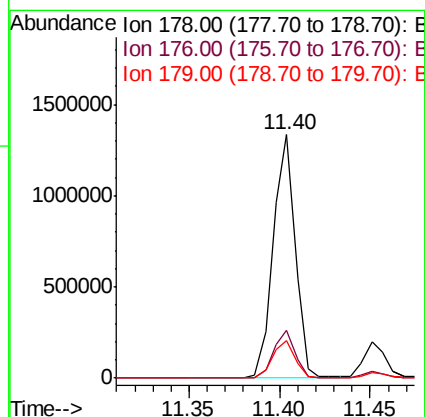
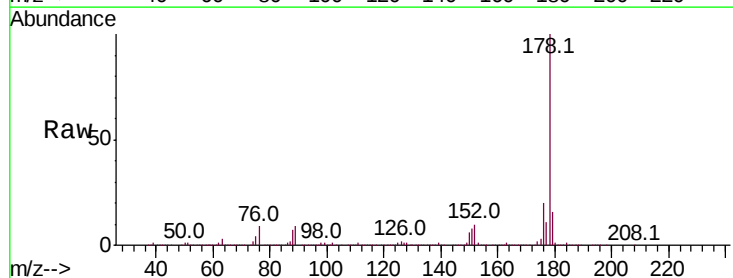
Manual Integrations
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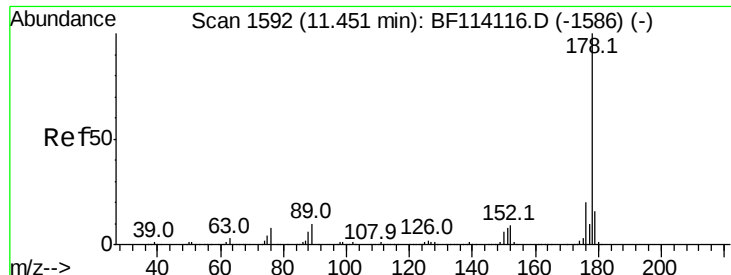
mohammad
5/16/2019 9:10:08 AM



#71
Phenanthrene
Concen: 29.758 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1125287		
176	19.6		16.4	24.6
179	15.6		13.2	19.8





#72

Anthracene

Concen: 4.523 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114262.D

Acq: 14 May 2019 19:18

Instrument :

BNA_F

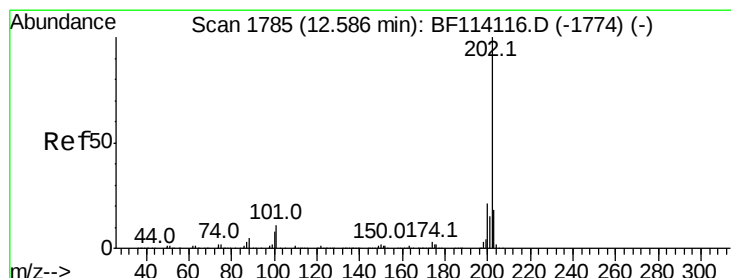
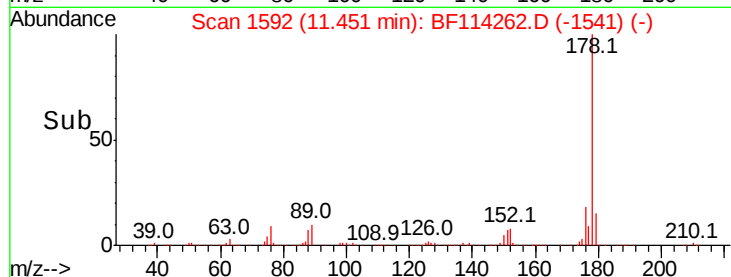
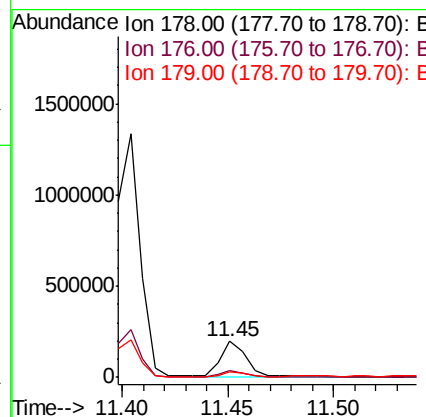
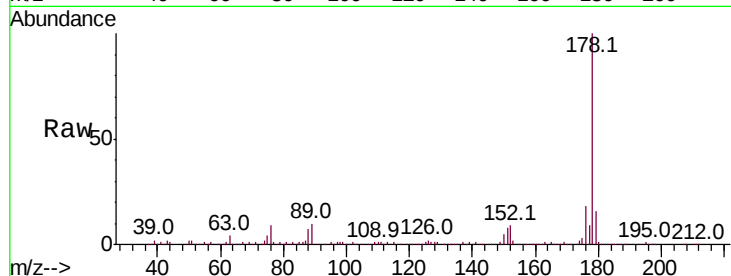
ClientSampleId :

P026-SS007-0206-01DL

Tot Ion:	178	Resp:	171803
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.8	23.8
179	15.6	13.0	19.4

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#75

Fluoranthene

Concen: 34.788 ng

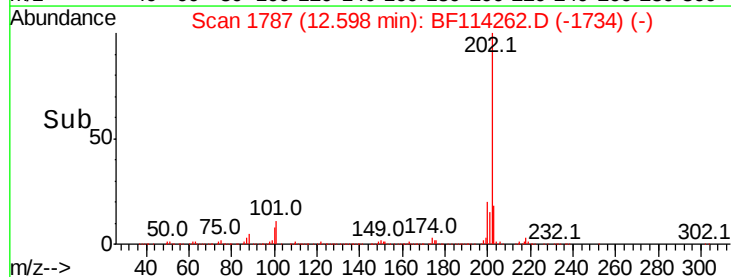
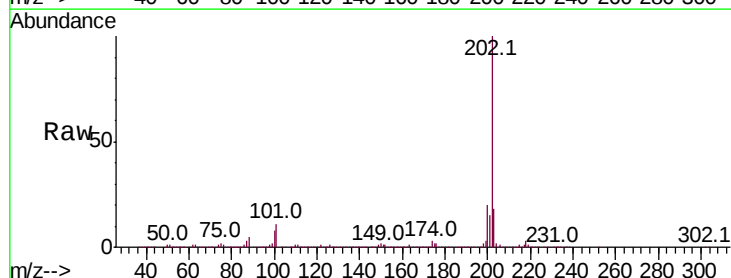
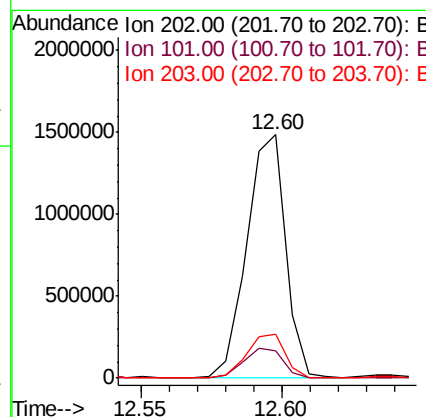
RT: 12.60 min Scan# 1787

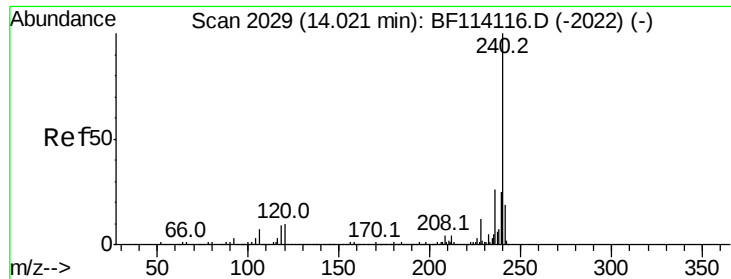
Delta R.T. 0.01 min

Lab File: BF114262.D

Acq: 14 May 2019 19:18

Tgt Ion:	202	Resp:	1416605
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.0
203	18.3	0.0	38.4





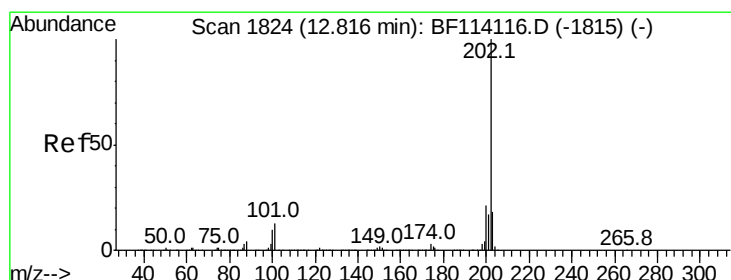
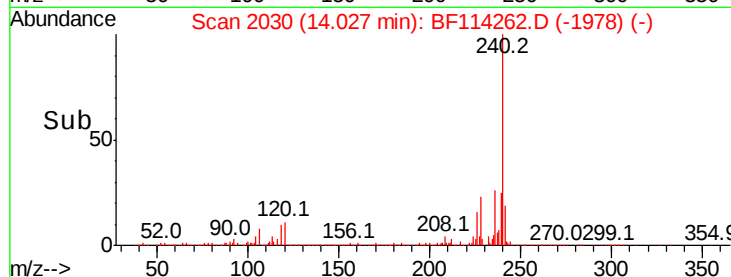
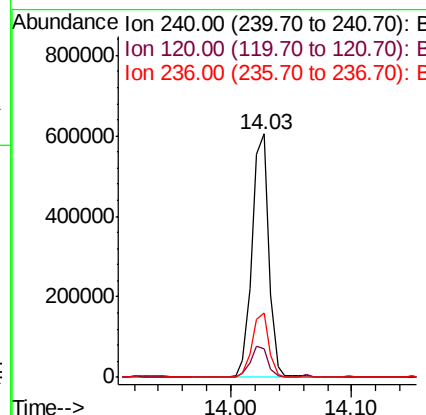
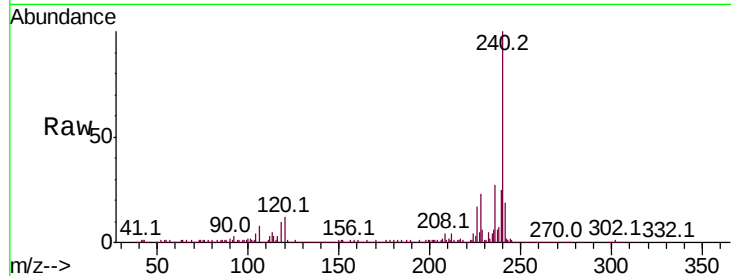
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.3	12.5
236	26.6	20.8	31.2

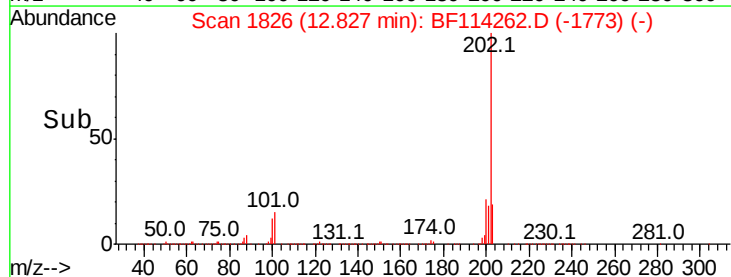
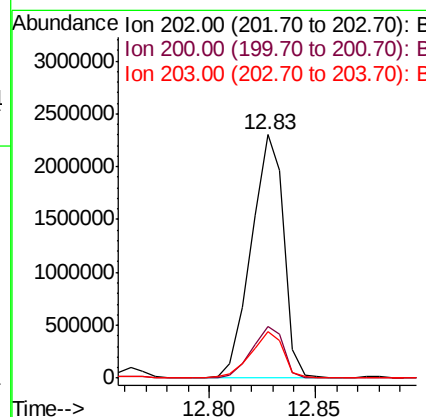
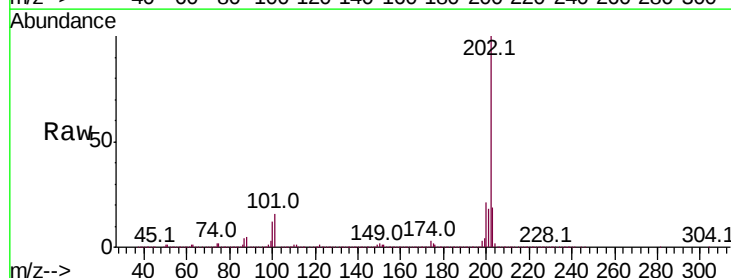
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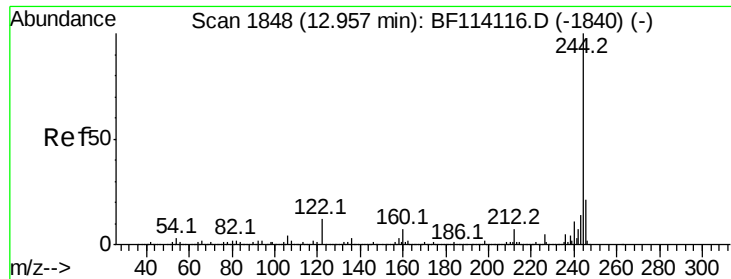
mohammad
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#78
Pyrene
Concen: 51.481 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	19.0	14.5	21.7





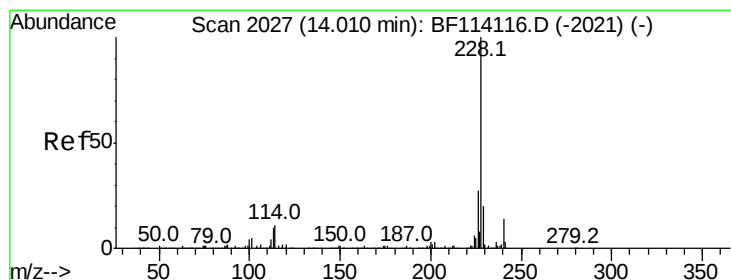
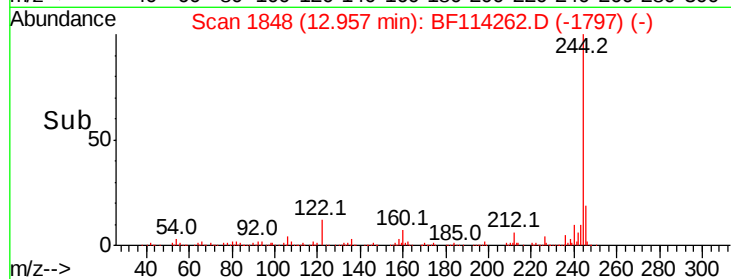
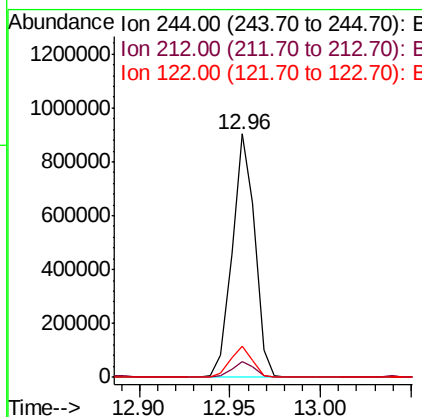
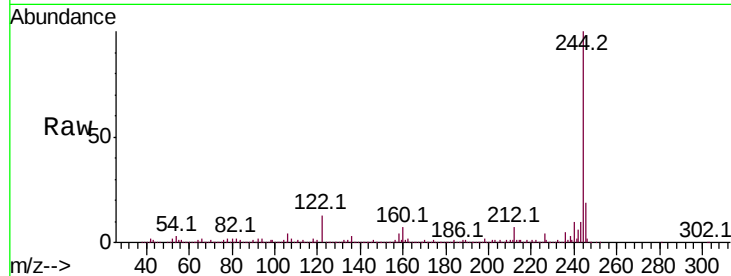
#79
 Terphenyl-d14
 Concen: 27.299 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114262.D
 Acq: 14 May 2019 19:18

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

Tot Ion:	244	Resp:	780295
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.6
122	12.6	9.4	14.2

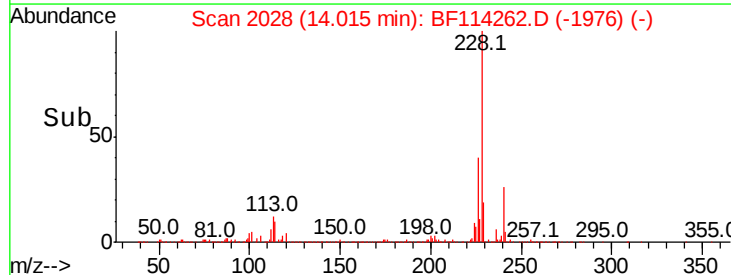
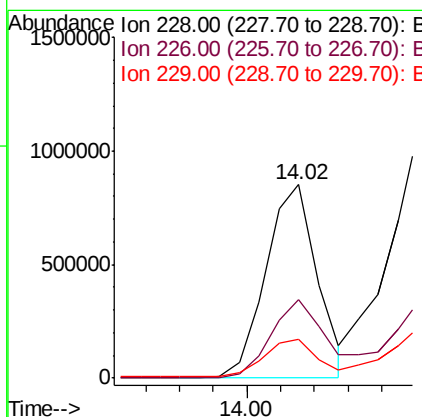
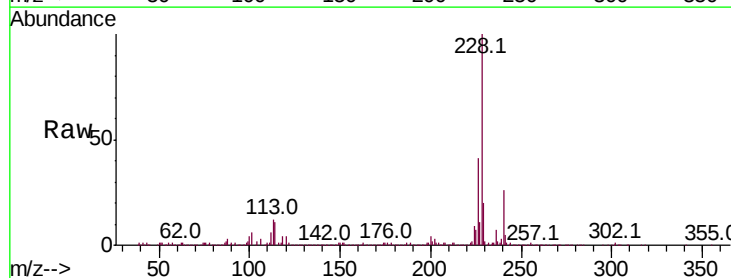
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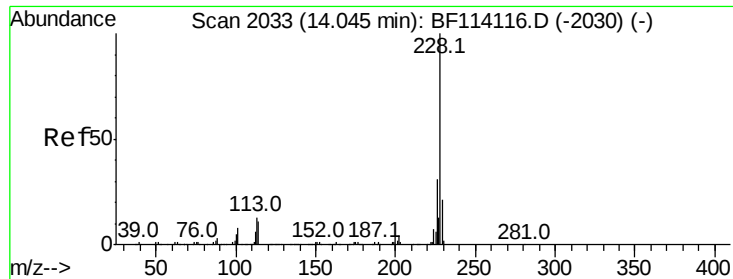
mohammad
 5/16/2019 9:10:08 AM



#81
 Benzo(a)anthracene
 Concen: 23.771 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114262.D
 Acq: 14 May 2019 19:18

Tgt Ion:	228	Resp:	905910
Ion Ratio	Lower	Upper	
228	100		
226	40.6	22.2	33.2#
229	20.0	16.4	24.6





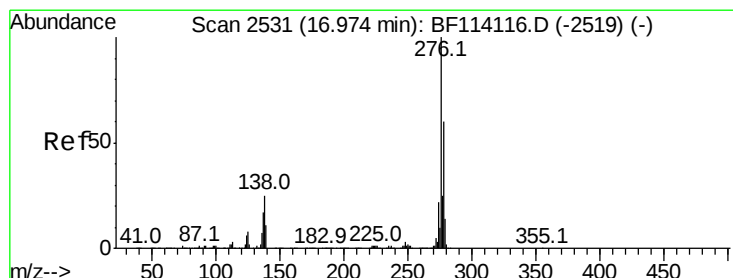
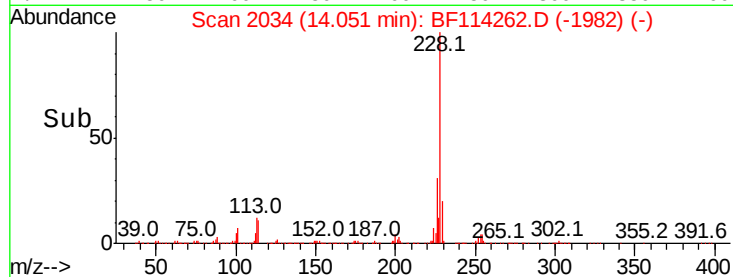
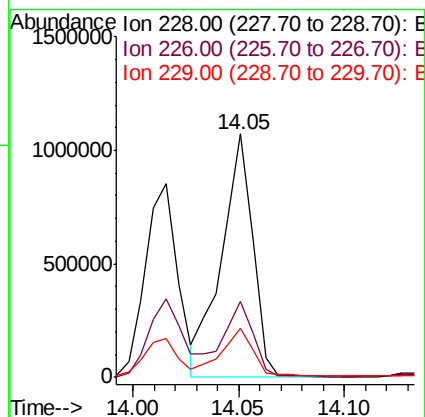
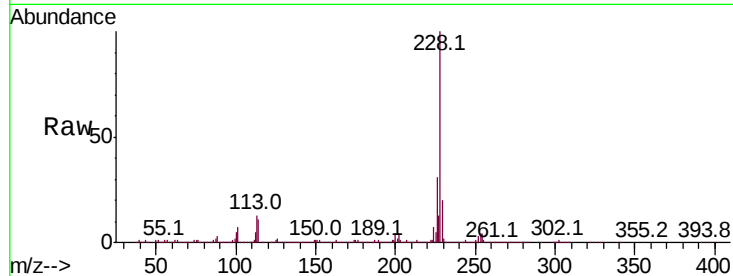
#83
Chrysene
Concen: 29.178 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion:228 Resp: 1090046
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 20.1 17.0 25.6

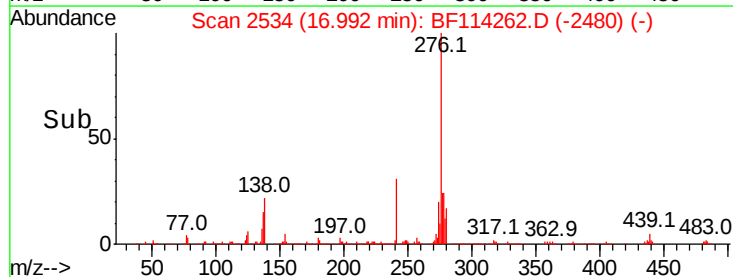
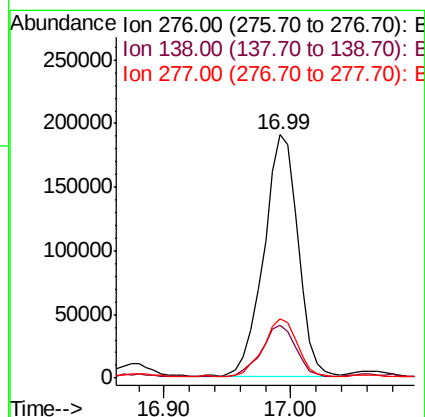
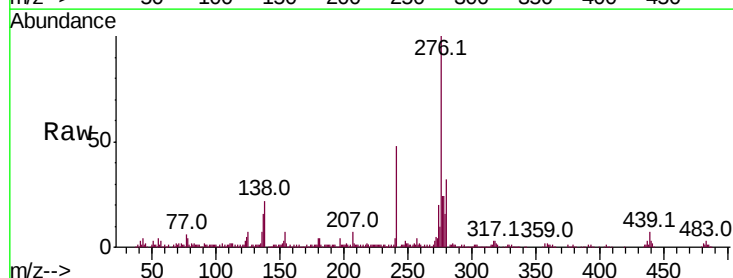
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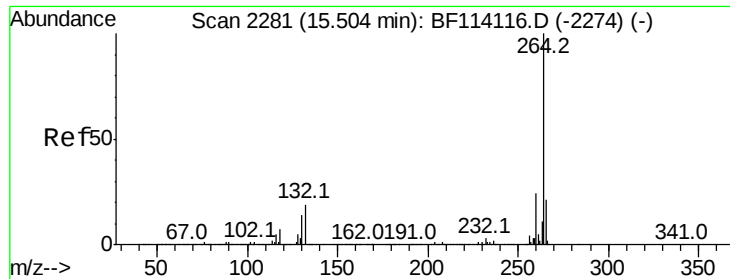
mohammad
5/16/2019 9:10:08 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.776 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion:276 Resp: 355791
Ion Ratio Lower Upper
276 100
138 21.0 20.2 30.2
277 23.5 20.0 30.0





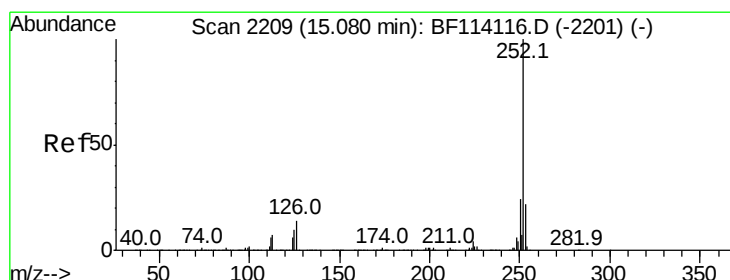
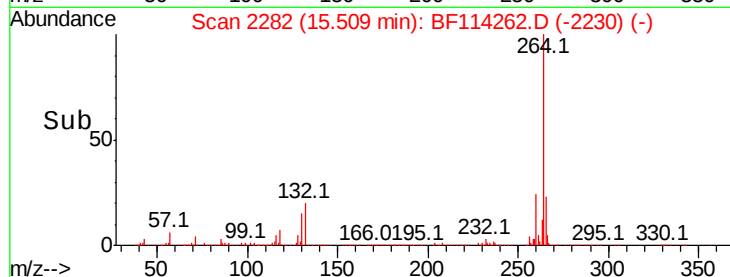
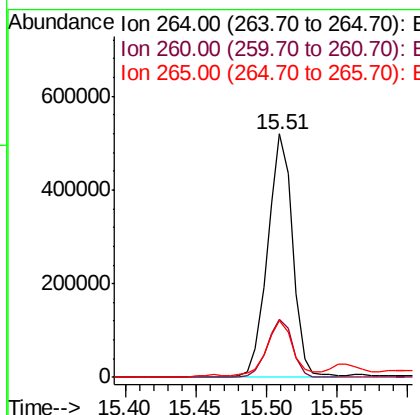
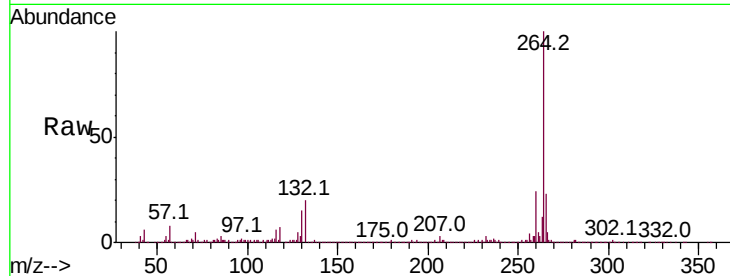
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	23.2	16.9	25.3

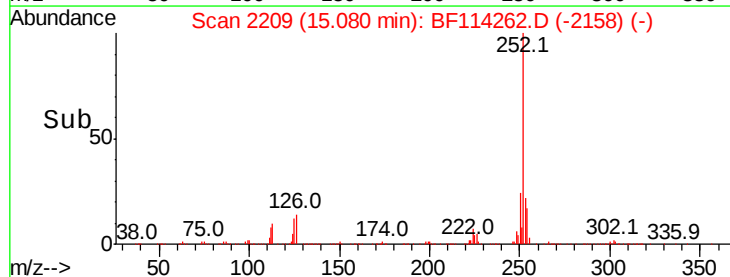
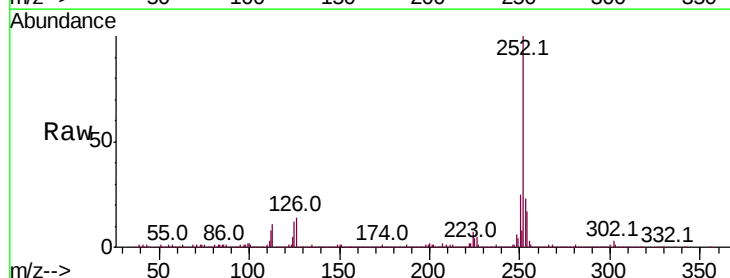
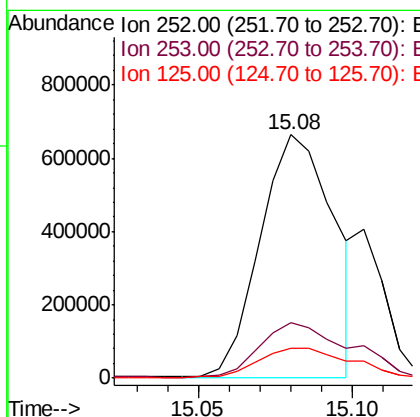
Manual Integrations
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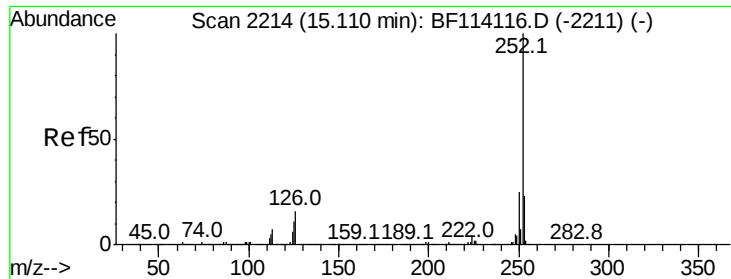
mohammad
5/16/2019 9:10:08 AM



#88
Benzo(b)fluoranthene
Concen: 26.687 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.4	8.3	12.5





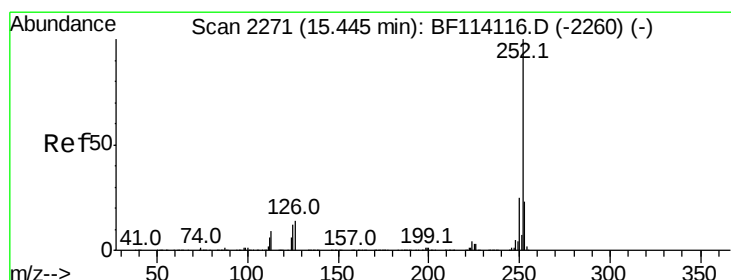
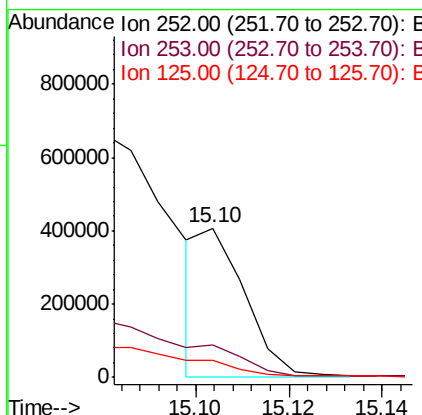
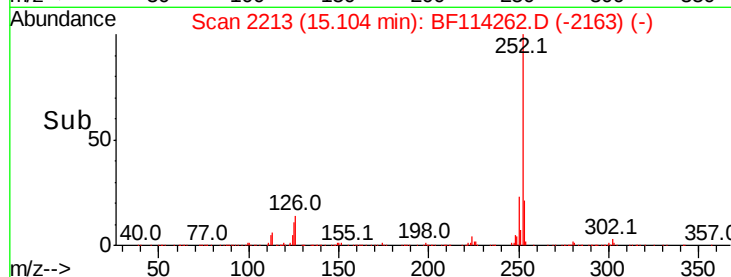
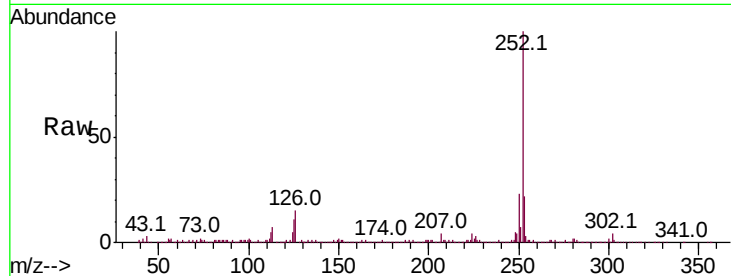
#89
Benzo(k)fluoranthene
Concen: 7.191 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	11.1	8.6	13.0

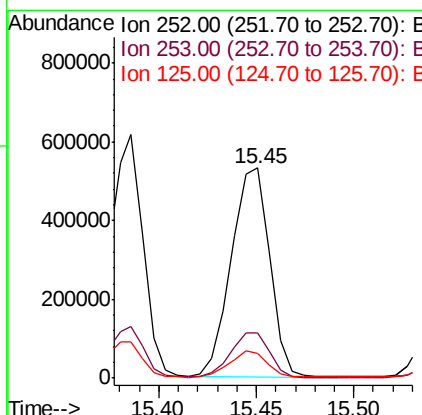
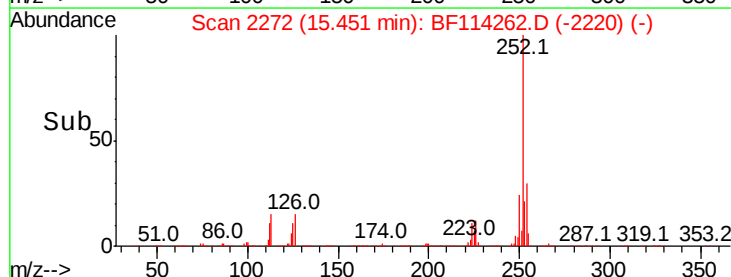
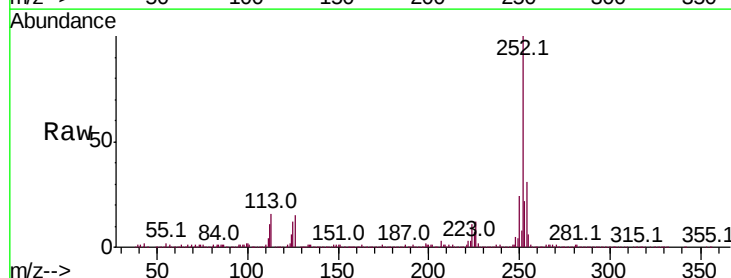
Manual Integrations
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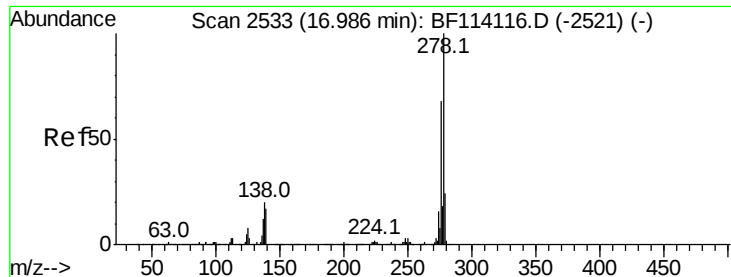
mohammad
5/16/2019 9:10:08 AM



#90
Benzo(a)pyrene
Concen: 19.874 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.6	9.5	14.3





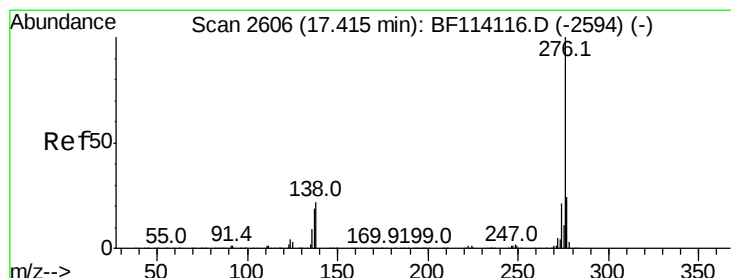
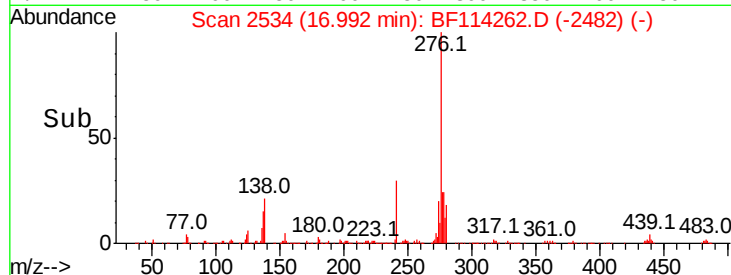
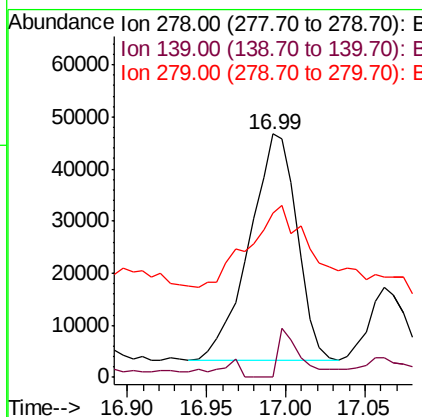
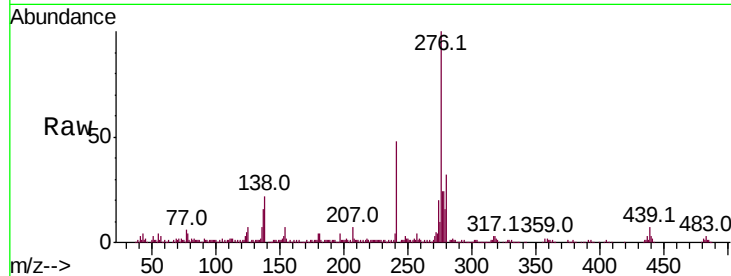
#91
Dibenzo(a,h)anthracene
Concen: 2.987 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	67.4	19.0	28.6#

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5/16/2019 9:10:08 AM



#92
Benzo(g,h,i)perylene
Concen: 15.990 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.03 min
Lab File: BF114262.D
Acq: 14 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	23.4	17.8	26.6

