

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114672.D
 Acq On : 30 May 2019 20:48
 Operator : HP/JU
 Sample : K3068-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

Manual Integrations
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mohammad
 6/3/2019 8:47:22 AM

Quant Time: May 31 07:01:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	383993	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1501770	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	750342	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1446015	20.00	ng	0.00
76) Chrysene-d12	13.82	240	870158	20.00	ng	0.00
87) Perylene-d12	15.20	264	987223	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1978563	90.46	ng	0.00
7) Phenol-d6	6.33	99	2431720	92.27	ng	0.00
23) Nitrobenzene-d5	7.25	82	1504979	62.52	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	547969	76.64	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2684783	63.09	ng	0.00
79) Terphenyl-d14	12.78	244	2658771	57.45	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.34	94	91028	2.859	ng	85
31) Naphthalene	7.99	128	243843	3.525	ng	95
50) Dimethylphthalate	9.44	163	264717	5.063	ng	98
52) Acenaphthene	9.75	154	175133	4.046	ng	99
55) Dibenzofuran	9.92	168	225168	3.654	ng	94
71) Phenanthrene	11.22	178	2586407	35.063	ng	99
72) Anthracene	11.27	178	757524	10.147	ng	96
73) Carbazole	11.42	167	398642	6.076	ng	96
75) Fluoranthene	12.40	202	2703985	35.402	ng	98
78) Pyrene	12.63	202	2330113	31.655	ng	99
81) Benzo(a)anthracene	13.80	228	1232448	18.431	ng	99
83) Chrysene	13.84	228	1138532	17.821	ng	96
84) Bis(2-ethylhexyl)phthalate	13.82	149	218896	4.786	ng	99
86) Indeno(1,2,3-cd)pyrene	16.52	276	527997	8.252	ng	96
88) Benzo(b)fluoranthene	14.82	252	1422941m	22.885	ng	
89) Benzo(k)fluoranthene	14.84	252	361107m	6.682	ng	
90) Benzo(a)pyrene	15.14	252	954310	17.471	ng	98
91) Dibenzo(a,h)anthracene	16.53	278	152333	3.156	ng	95
92) Benzo(a,h,i)perylene	16.91	276	432308	9.228	ng	99

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

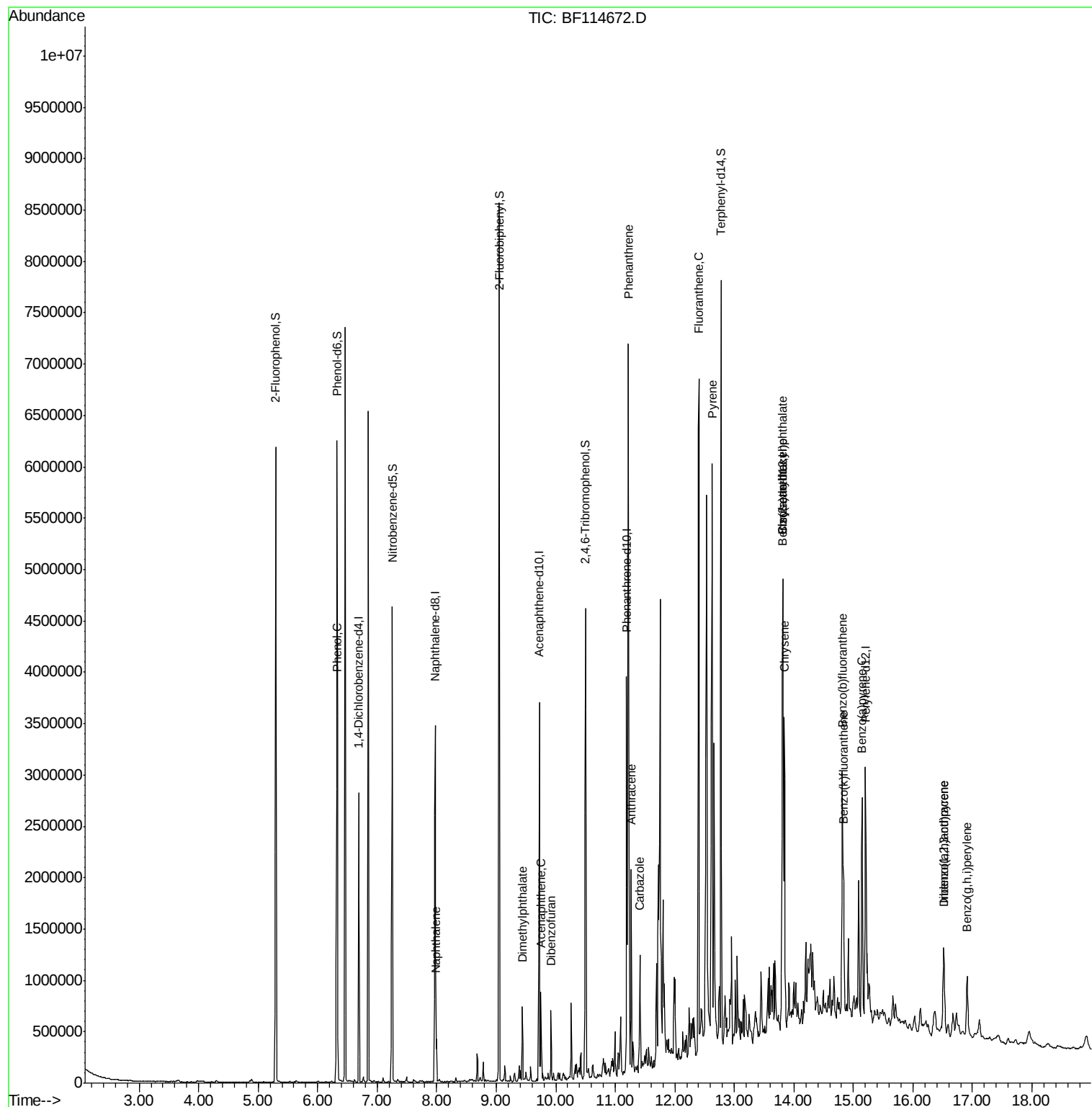
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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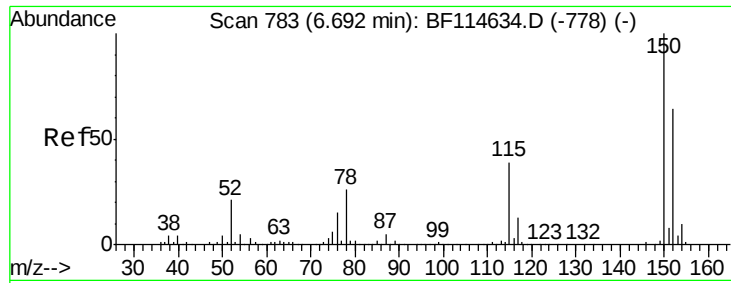
Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

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Quant Time: May 31 07:01:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

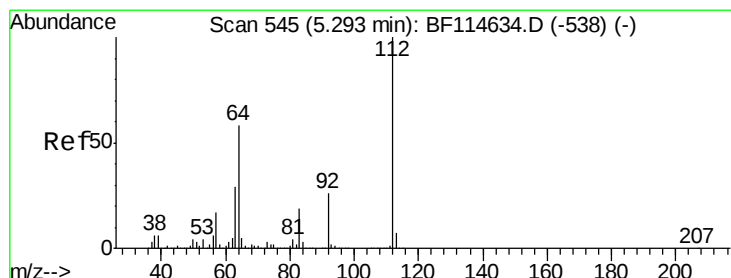
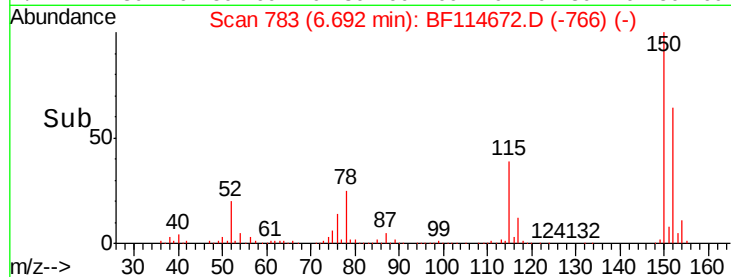
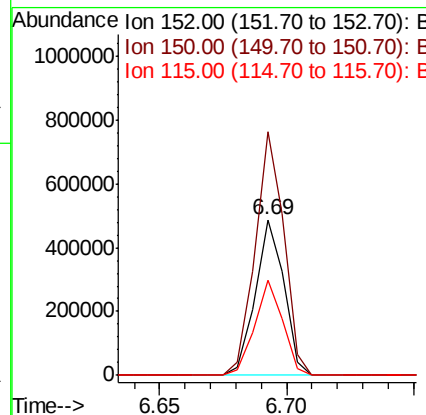
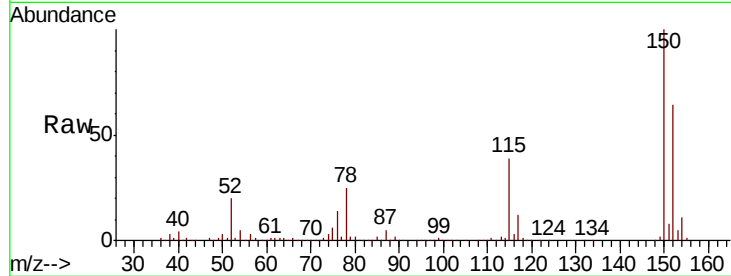
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampled :
B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.4	186.6
115	61.3	48.7	73.1

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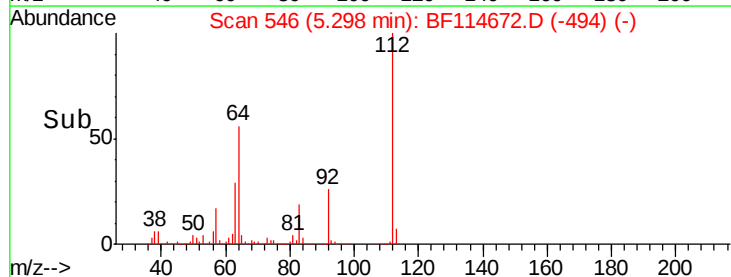
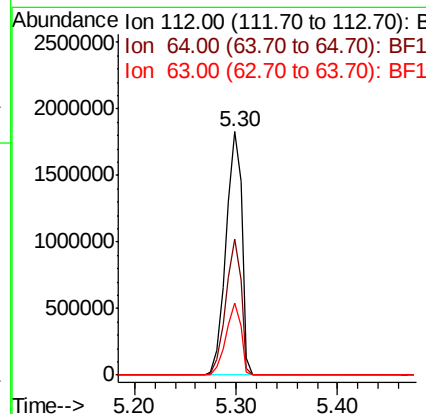
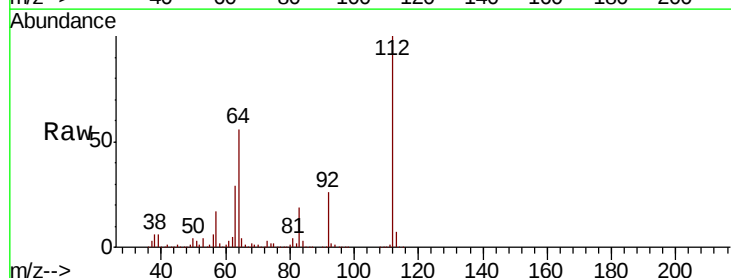
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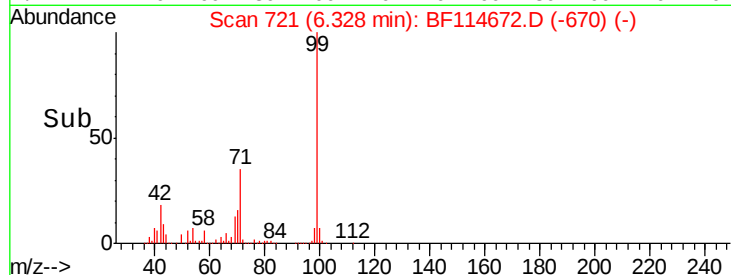
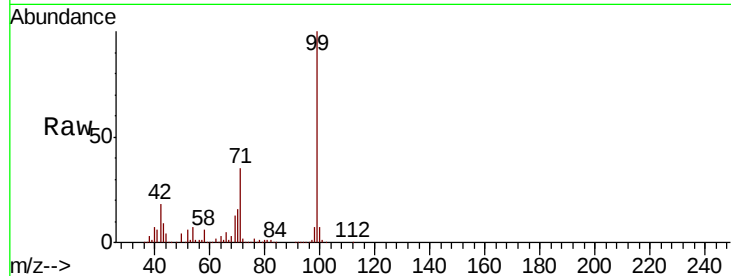
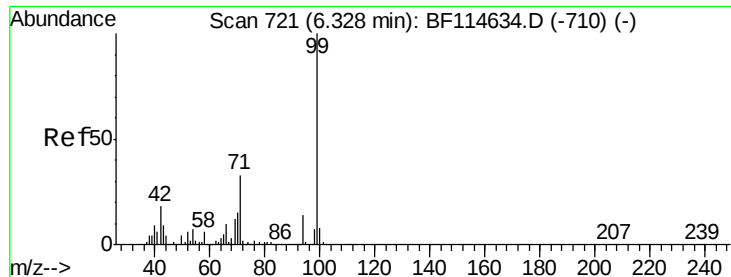


#5

2-Fluorophenol
Concen: 90.465 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.1	69.1
63	29.4	23.4	35.2





#7

Phenol-d6

Concen: 92.266 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114672.D

Acq: 30 May 2019 20:48

Tot Ion:	99	Resp:	2431720
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.7	22.1
71	34.6	26.6	40.0

Instrument :

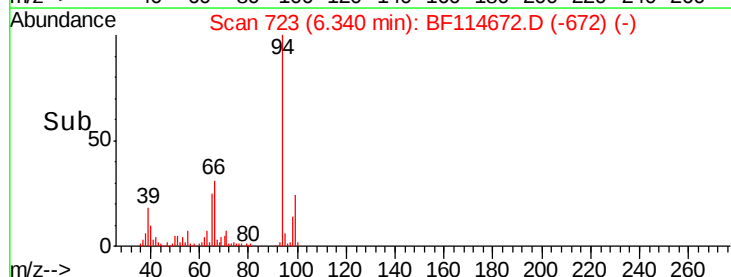
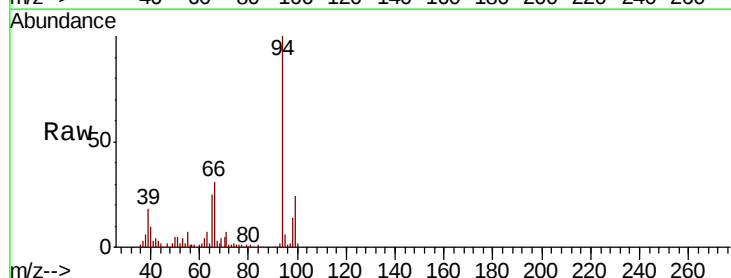
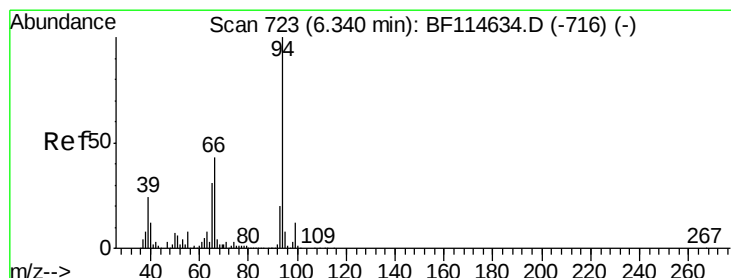
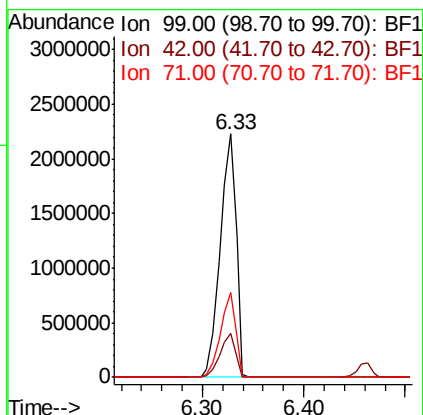
BNA_F

ClientSampleId :

B-3SE(4-5)

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#10

Phenol

Concen: 2.859 ng

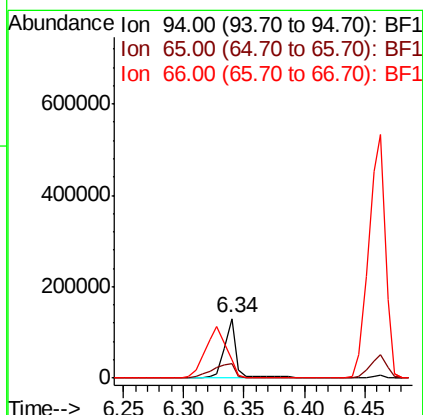
RT: 6.34 min Scan# 723

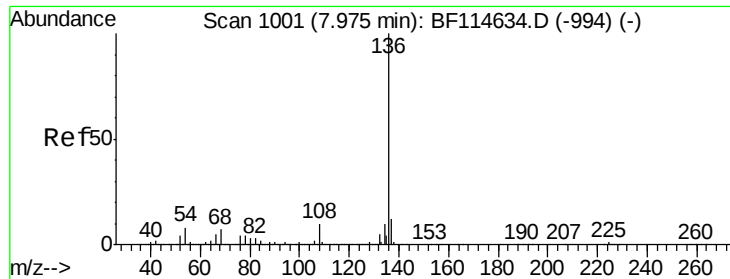
Delta R.T. -0.00 min

Lab File: BF114672.D

Acq: 30 May 2019 20:48

Tgt Ion:	94	Resp:	91028
Ion	Ratio	Lower	Upper
94	100		
65	24.8	11.0	51.0
66	31.3	23.0	63.0





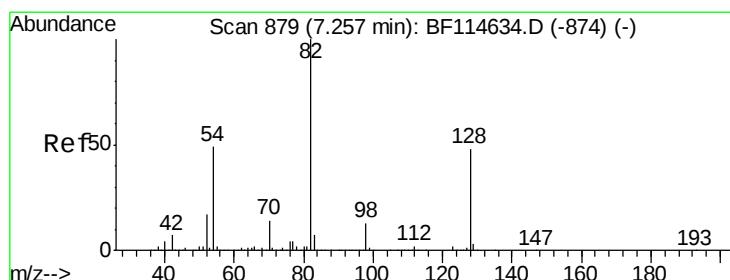
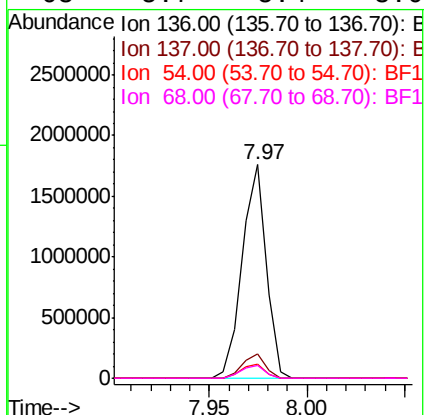
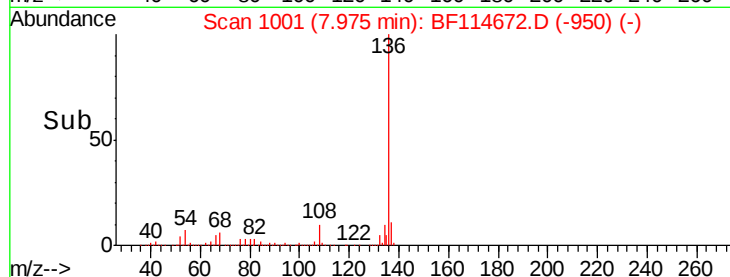
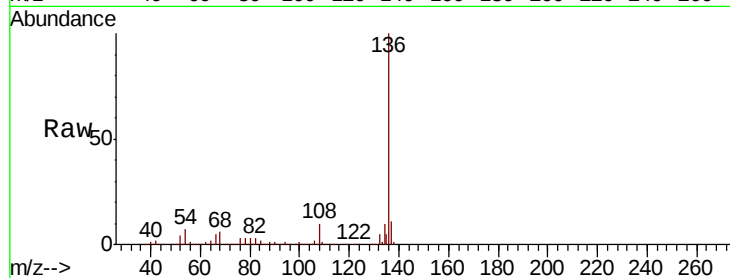
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	136	Resp	1501770
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	6.8	6.3	9.5
68	5.7	5.4	8.0

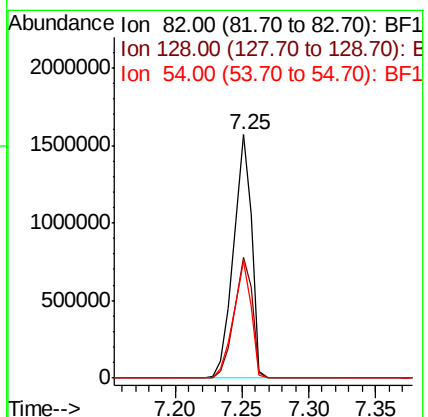
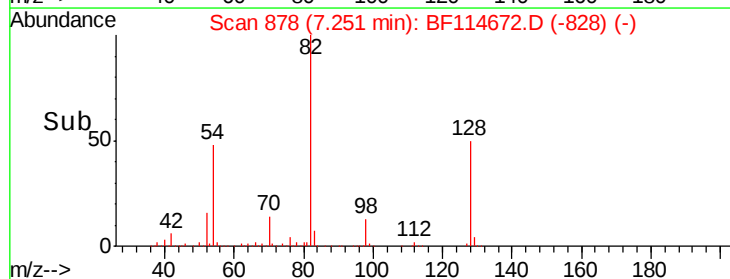
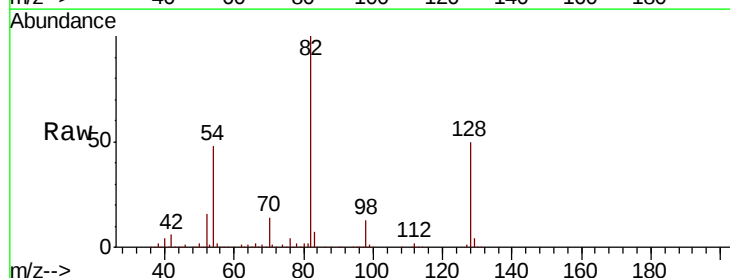
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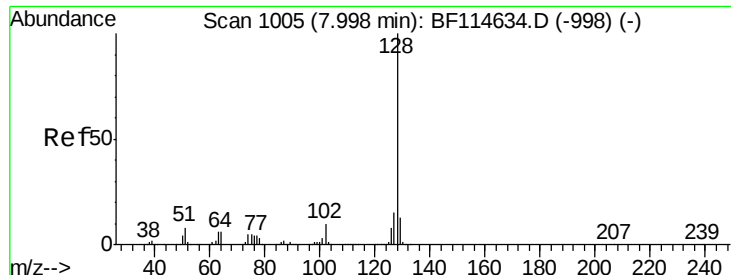
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#23
Nitrobenzene-d5
Concen: 62.522 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	82	Resp	1504979
Ion	Ratio	Lower	Upper
82	100		
128	49.8	38.5	57.7
54	48.2	39.1	58.7





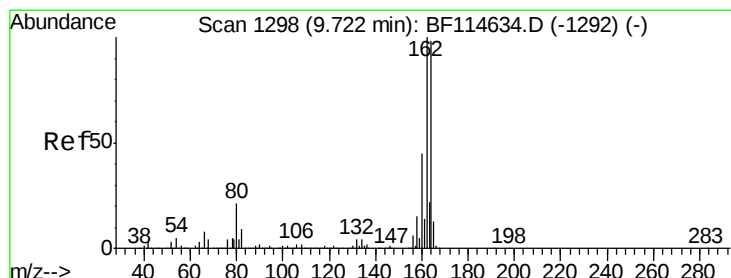
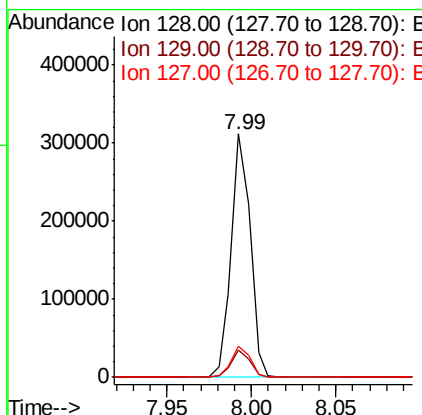
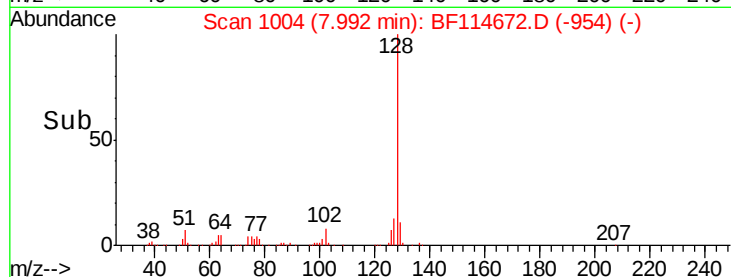
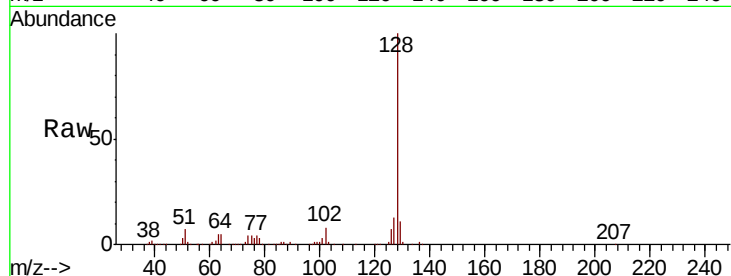
#31
Naphthalene
Concen: 3.525 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	10.2	15.2
127	12.7	11.9	17.9

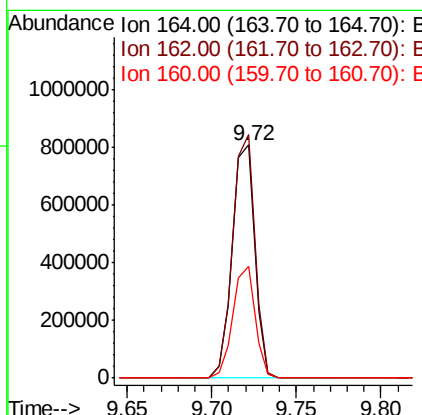
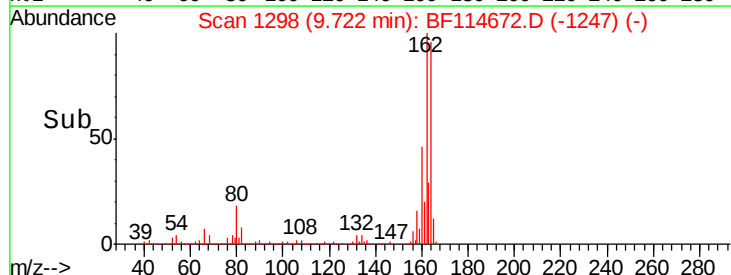
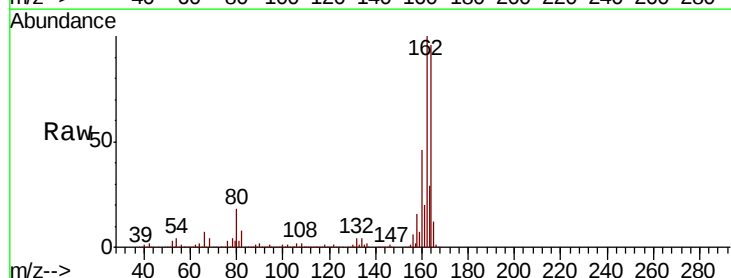
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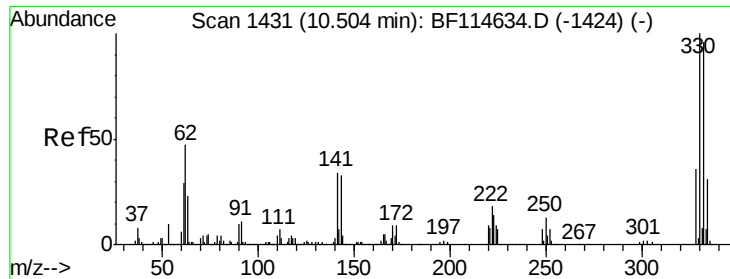
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.4	122.2
160	47.8	36.6	54.8





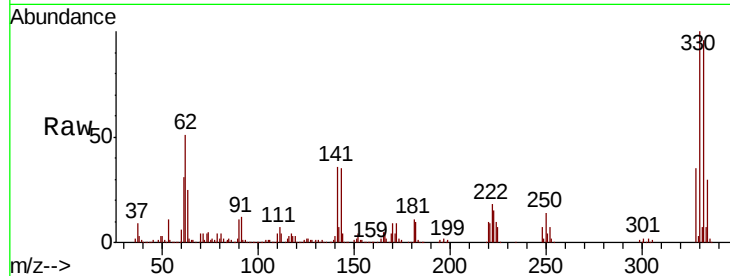
#42
 2,4,6-Tribromophenol
 Concen: 76.644 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	547969		
332	95.9		75.8	113.8
141	33.9		27.8	41.8

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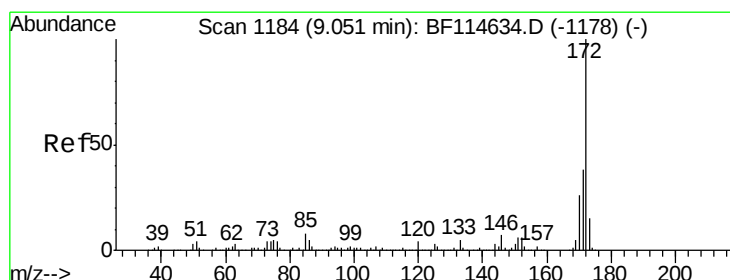
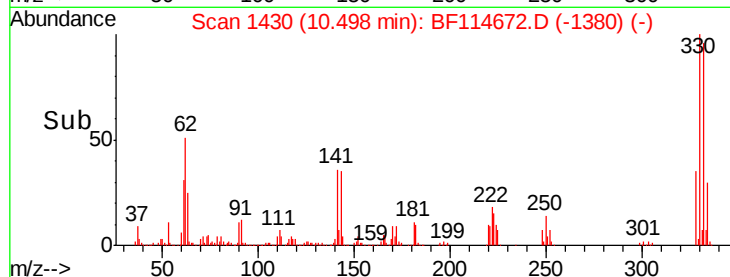
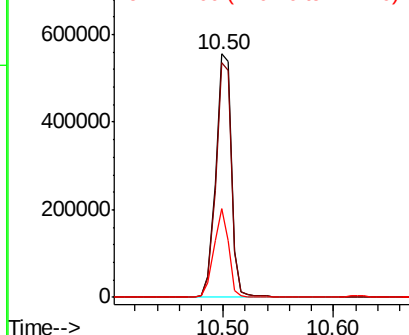


Abundance

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: 63.089 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

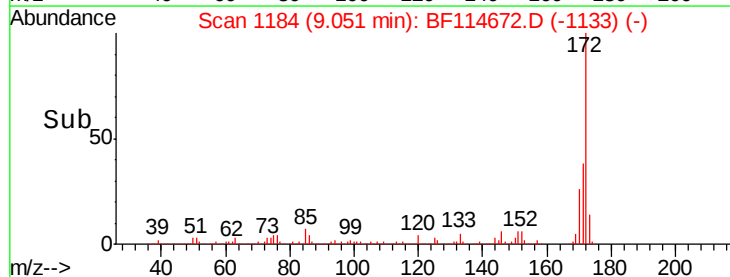
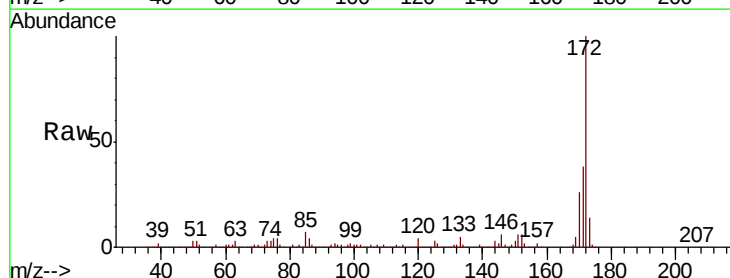
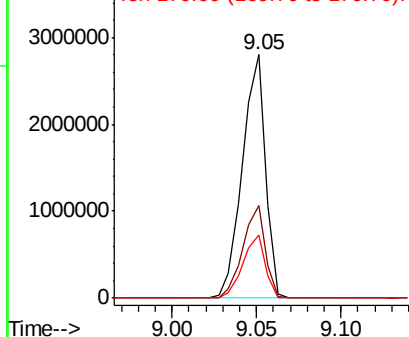
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2684783		
171	38.0		30.6	45.8
170	26.0		20.7	31.1

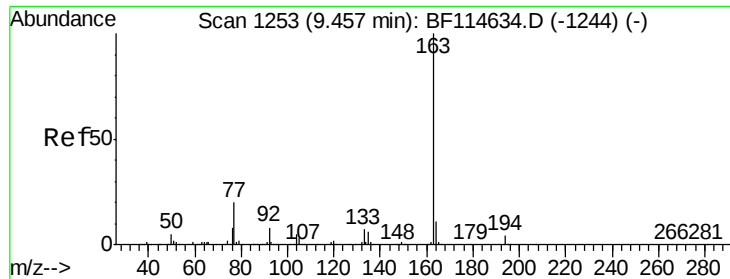
Abundance

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





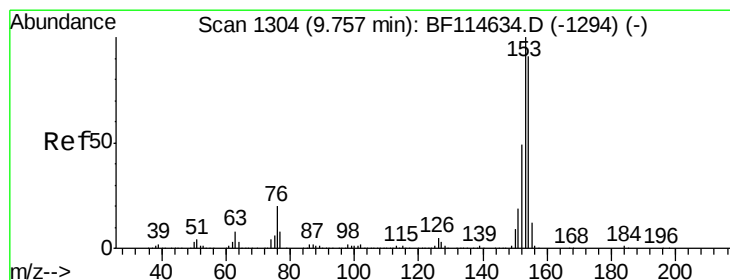
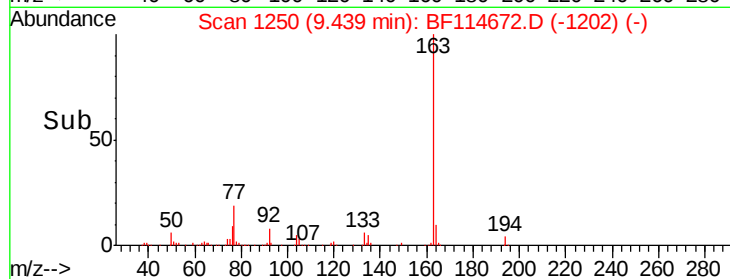
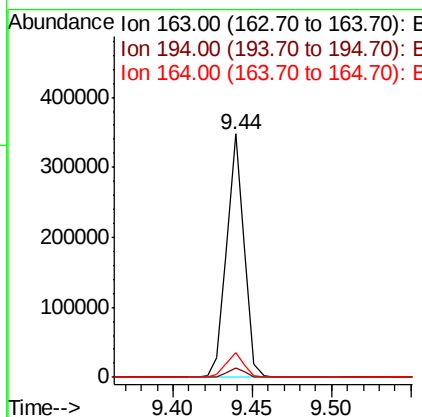
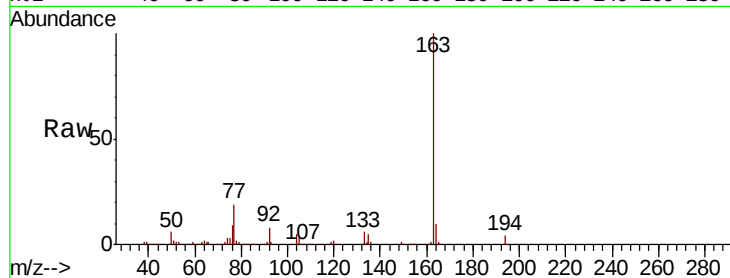
#50
Dimethylphthalate
Concen: 5.063 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion:	163	Resp:	264717
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.0
164	9.9	8.6	13.0

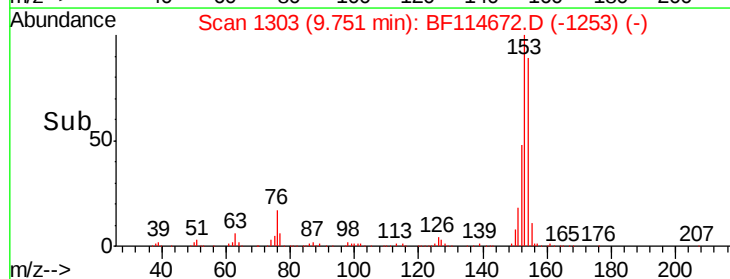
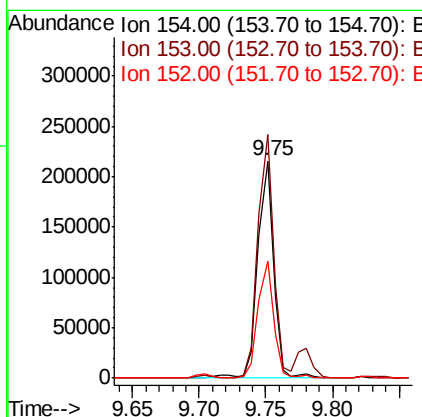
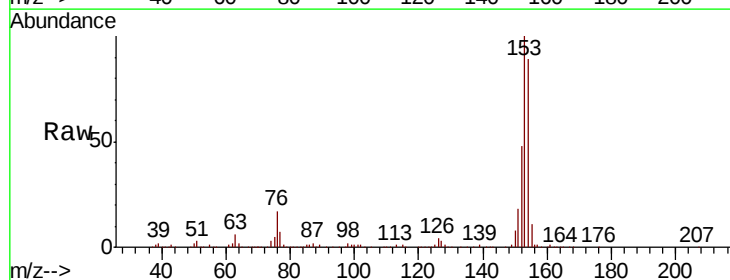
Manual Integrations
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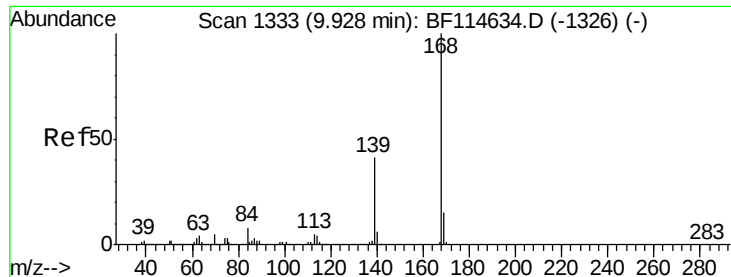
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#52
Acenaphthene
Concen: 4.046 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion:	154	Resp:	175133
Ion Ratio	Lower	Upper	
154	100		
153	112.1	88.4	132.6
152	53.9	43.4	65.0





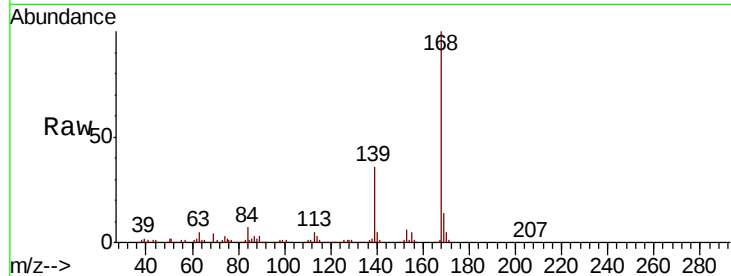
#55
Dibenzofuran
Concen: 3.654 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.0	32.6	48.8
169	13.5	11.8	17.8

Manual Integrations
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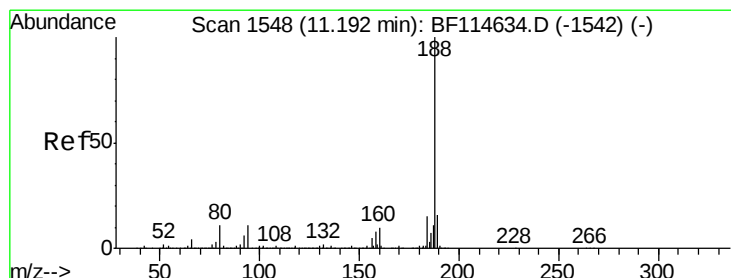
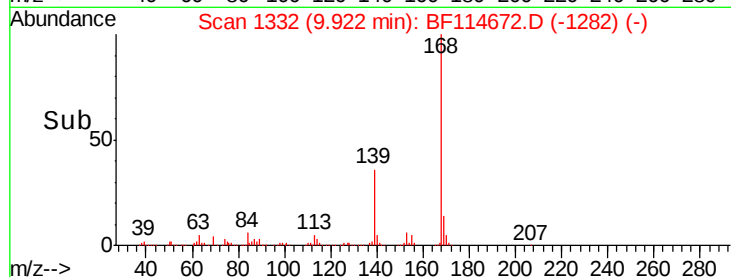
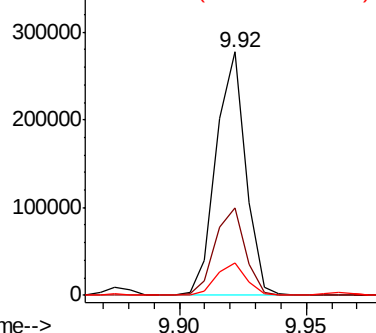


Abundance

Ion 168.00 (167.70 to 168.70): E

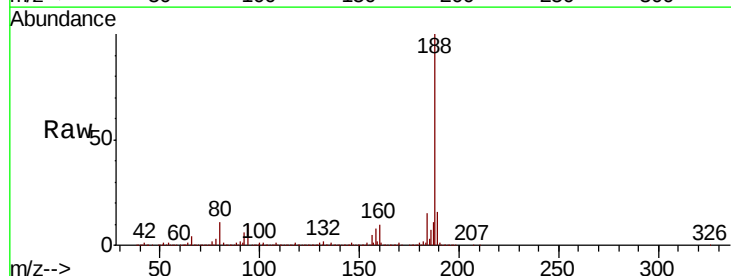
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	10.7	9.0	13.6

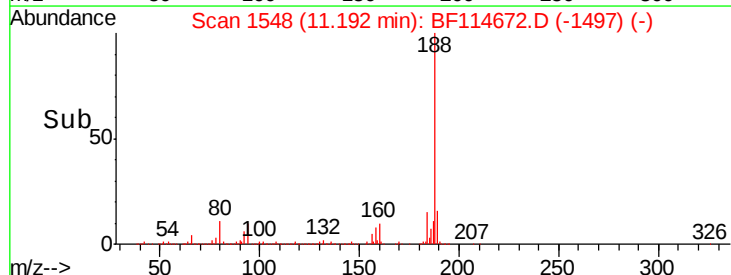
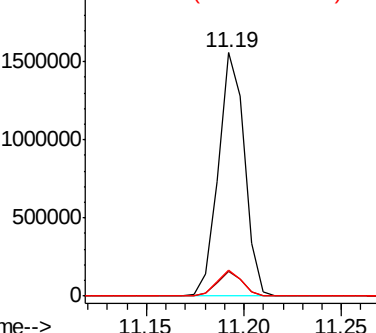


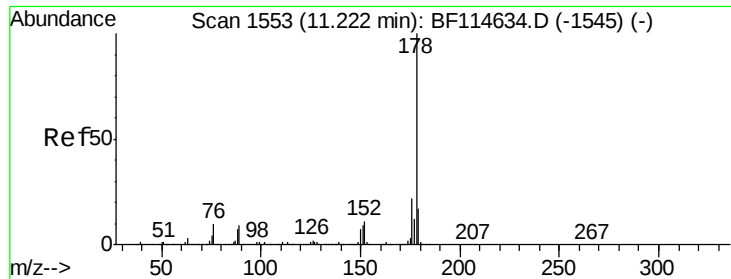
Abundance

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





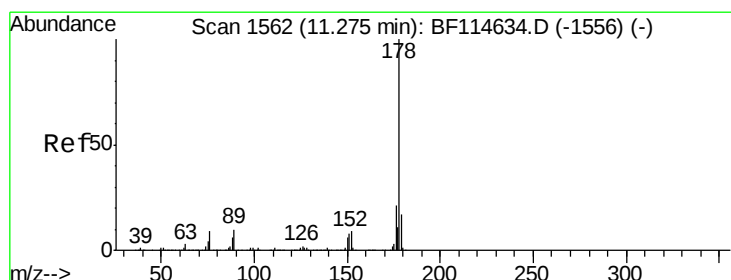
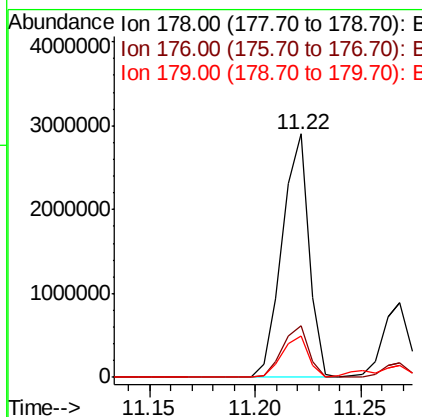
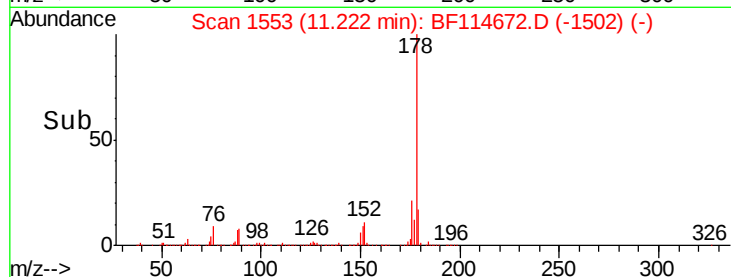
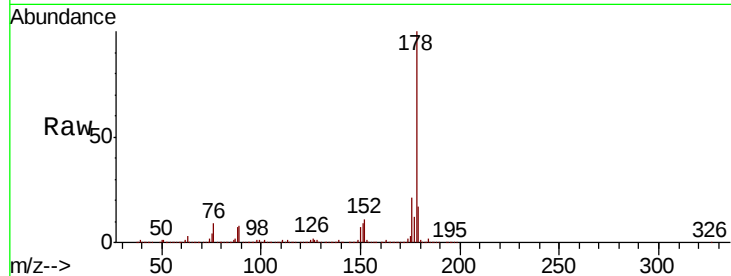
#71
Phenanthrene
Concen: 35.063 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	17.2	25.8
179	17.0	13.9	20.9

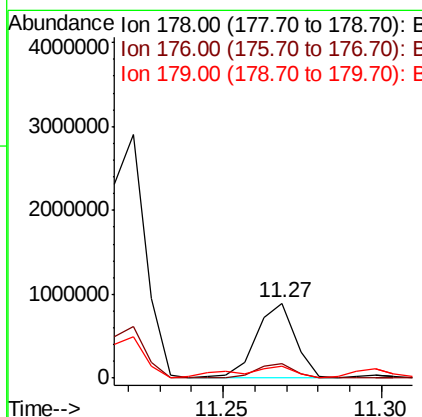
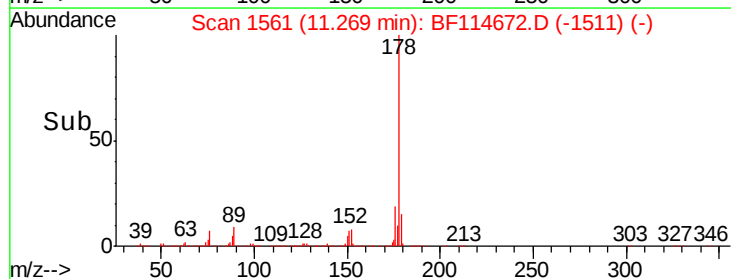
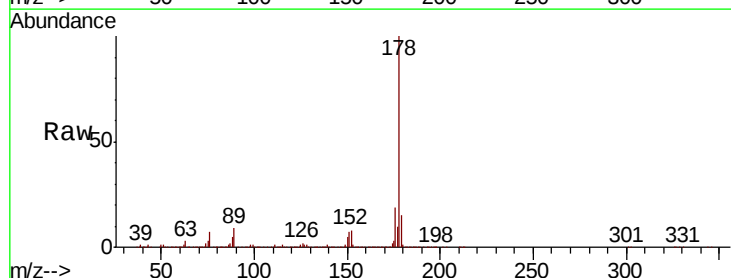
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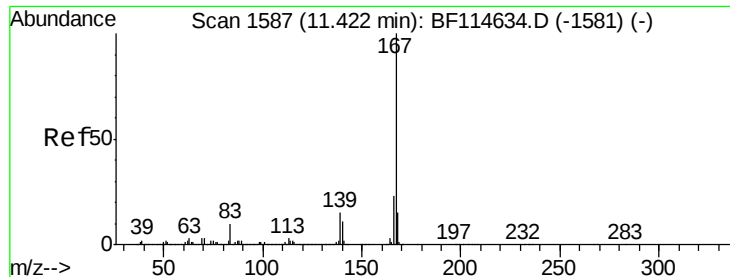
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#72
Anthracene
Concen: 10.147 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	15.2	13.4	20.0





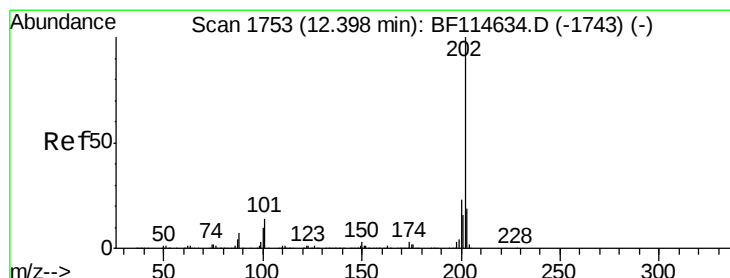
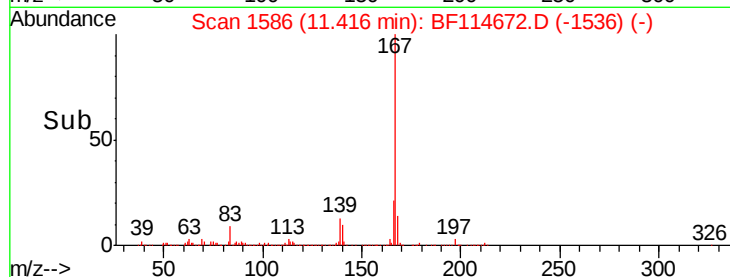
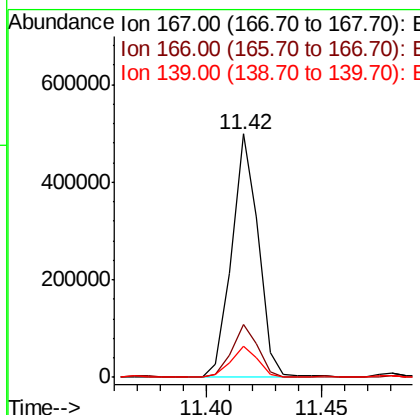
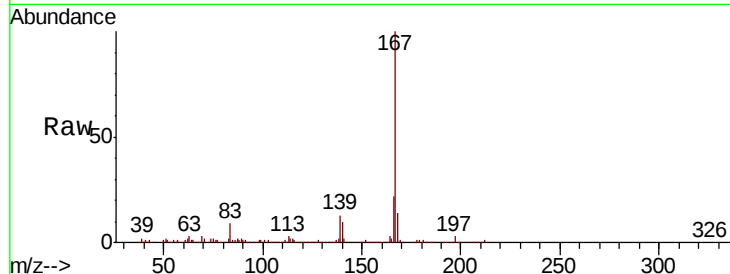
#73
 Carbazole
 Concen: 6.076 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.7	28.1
139	12.9	11.8	17.8

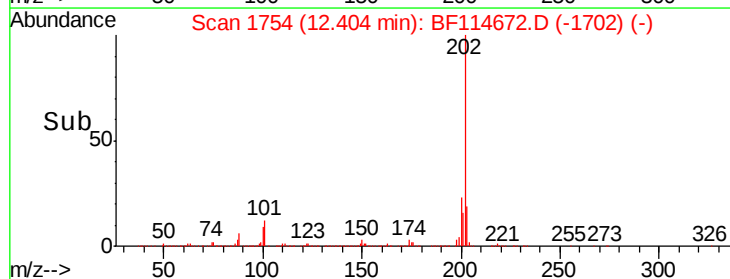
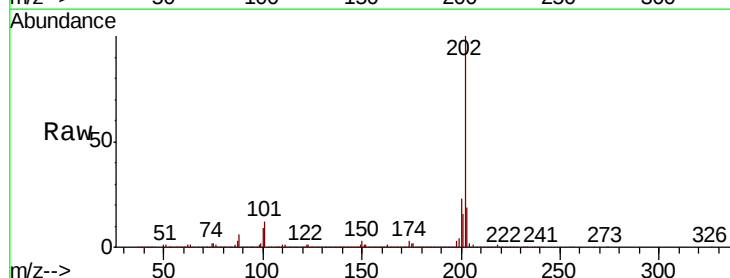
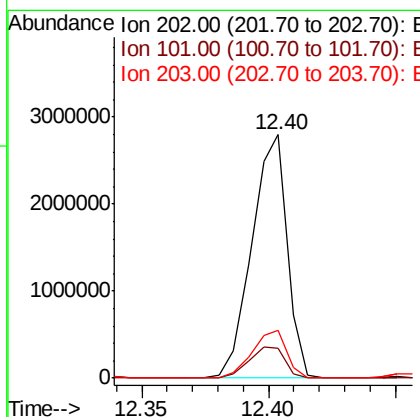
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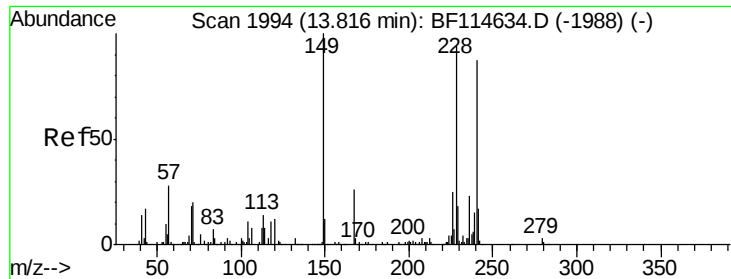
mohammad
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#75
 Fluoranthene
 Concen: 35.402 ng
 RT: 12.40 min Scan# 1754
 Delta R.T. 0.01 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.9
203	19.4	0.0	39.1





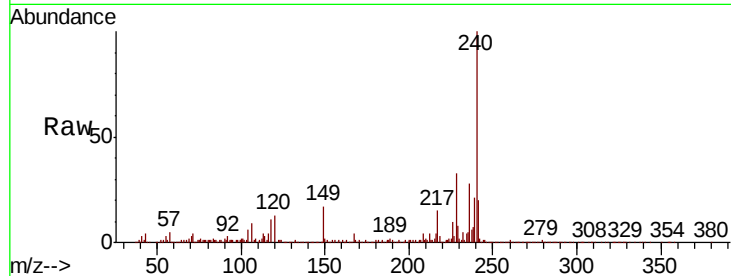
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	870158		
120	12.9		11.2	16.8
236	27.9		21.2	31.8

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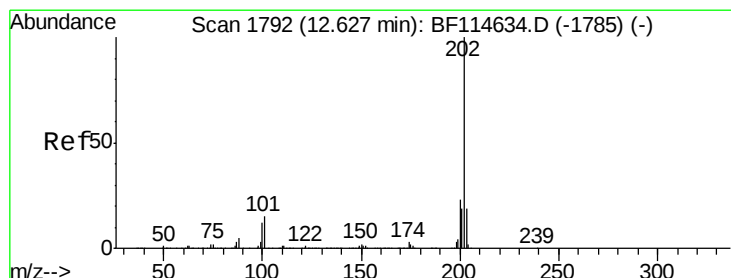
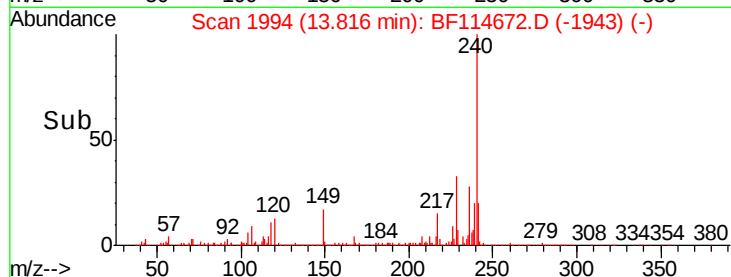
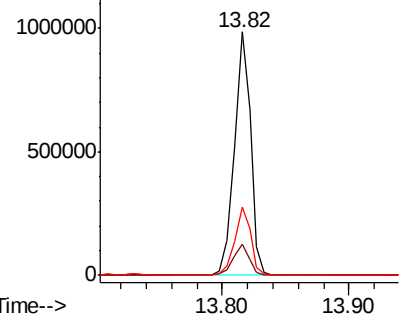


Abundance

Ion 240.00 (239.70 to 240.70): E

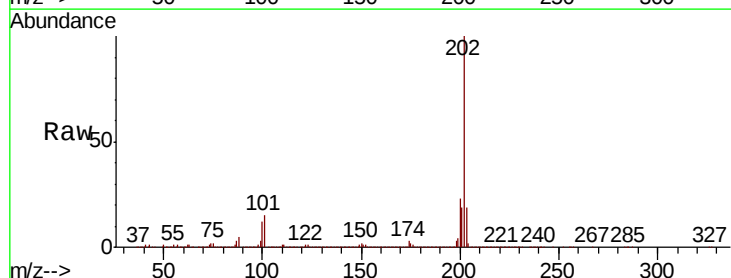
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 31.655 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2330113		
200	22.7		18.6	28.0
203	19.3		15.4	23.2

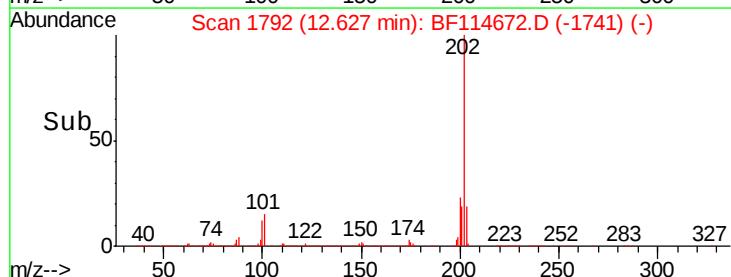
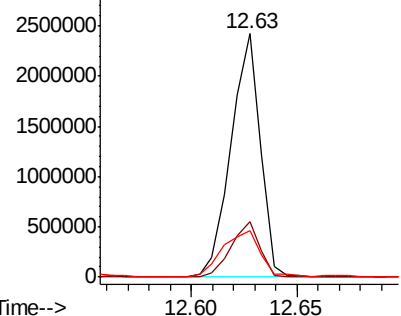


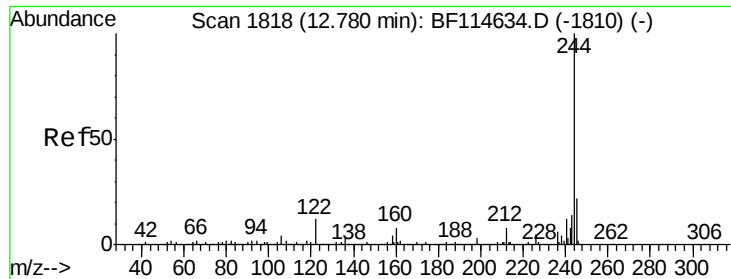
Abundance

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: 57.448 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

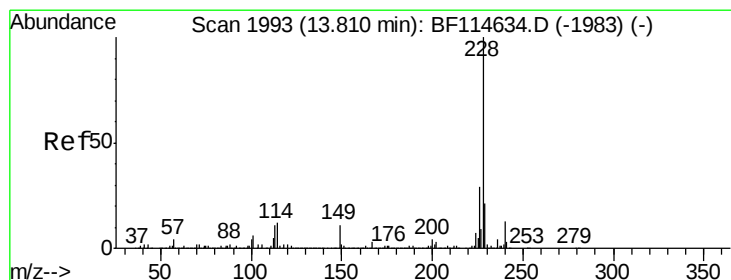
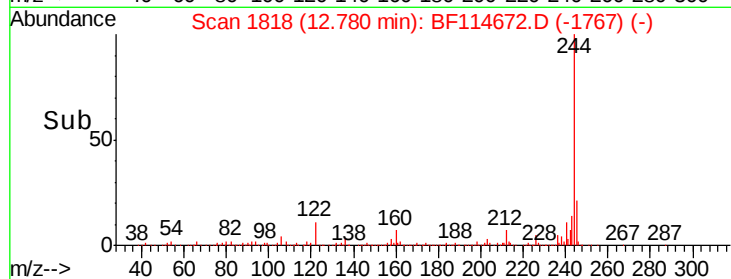
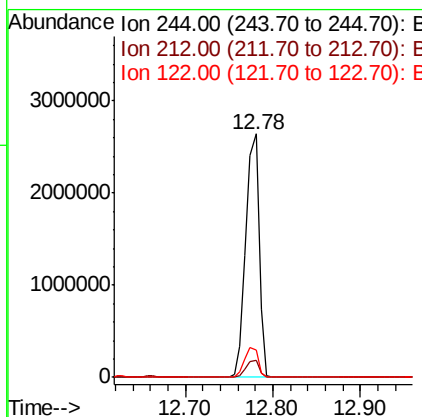
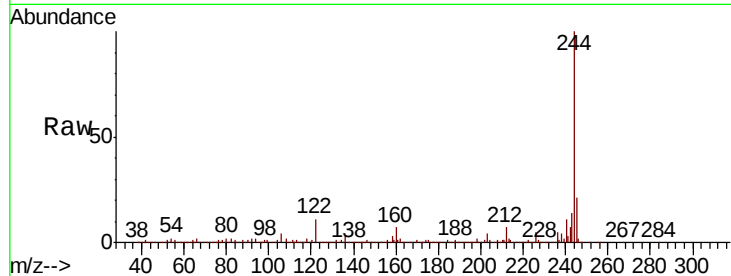
Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

Tot Ion:244 Resp: 2658771

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	11.2	9.8	14.8

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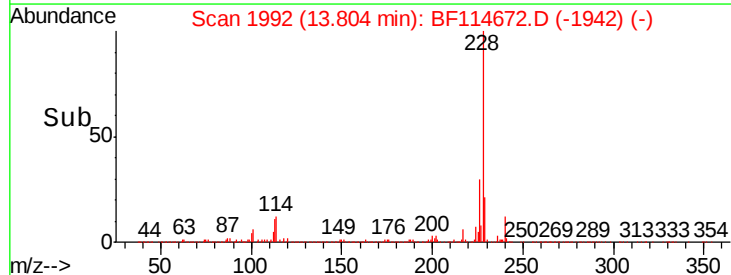
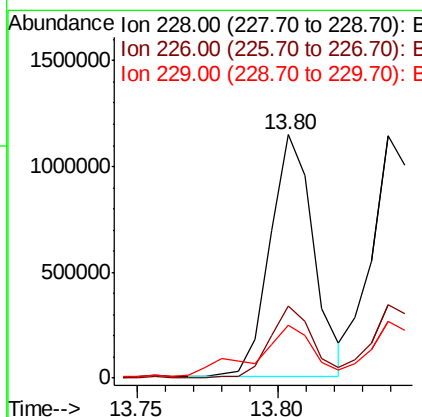
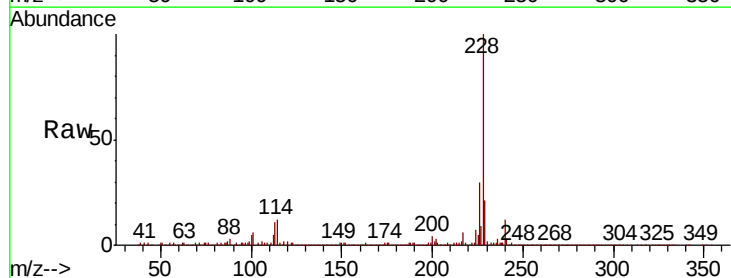
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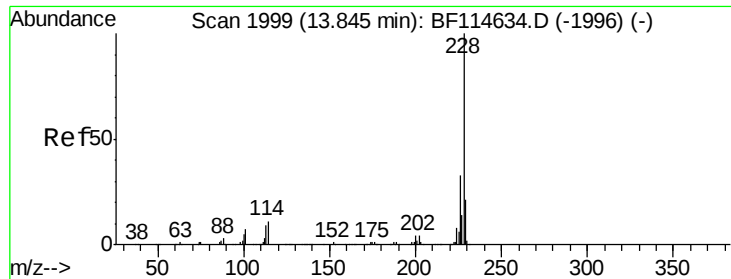


#81
 Benzo(a)anthracene
 Concen: 18.431 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

Tgt Ion:228 Resp: 1232448

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.6
229	21.5	17.0	25.4





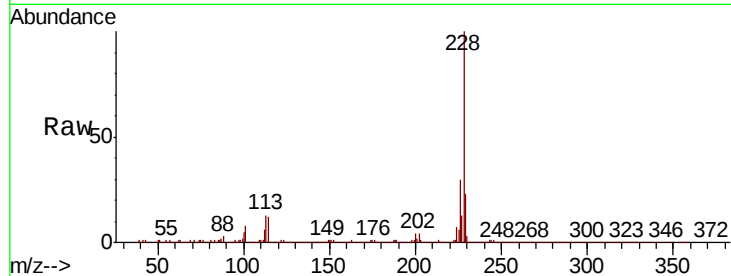
#83
Chrysene
Concen: 17.821 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	26.4	39.6
229	23.4	17.1	25.7

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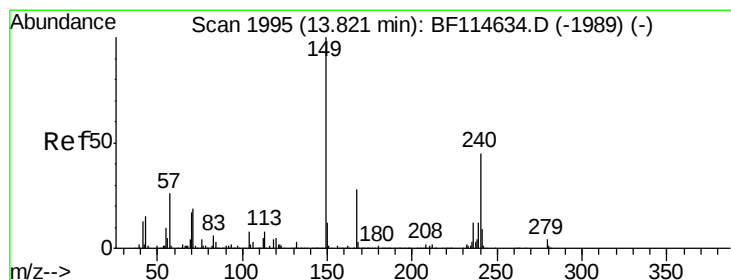
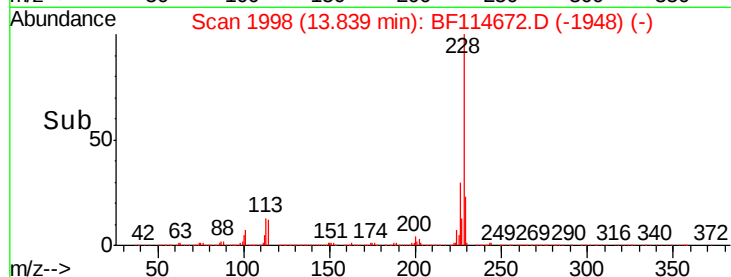
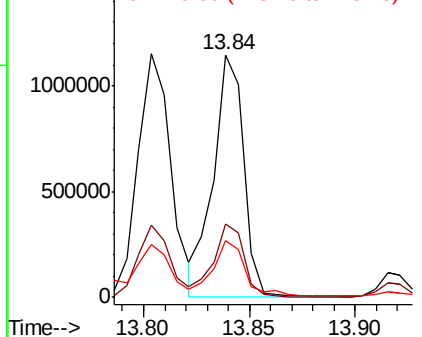


Abundance

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



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.786 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

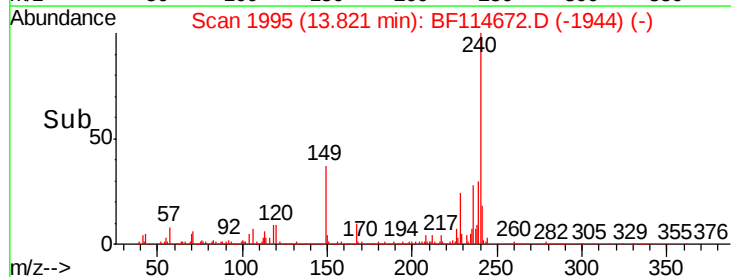
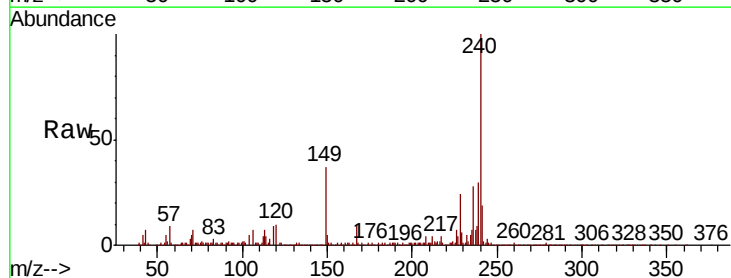
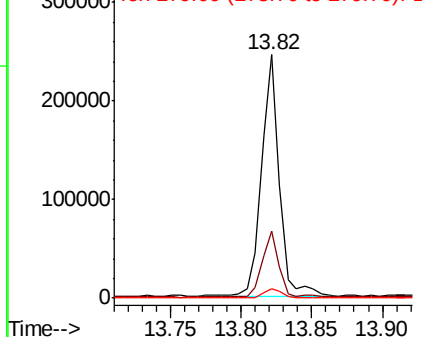
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.6	33.8
279	4.0	3.0	4.4

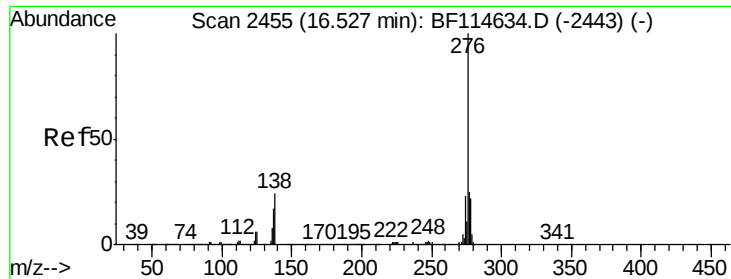
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





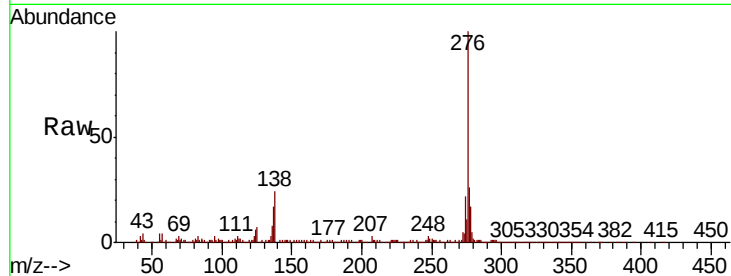
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.252 ng
 RT: 16.52 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	23.0	34.6
277	24.2	20.5	30.7

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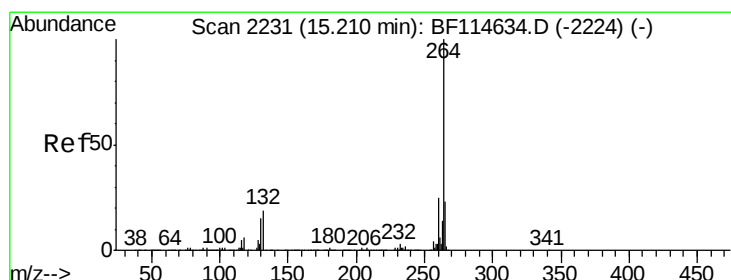
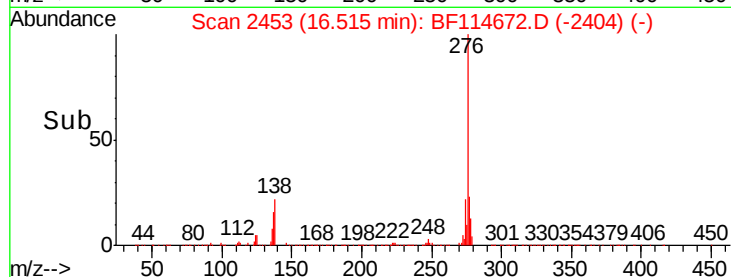
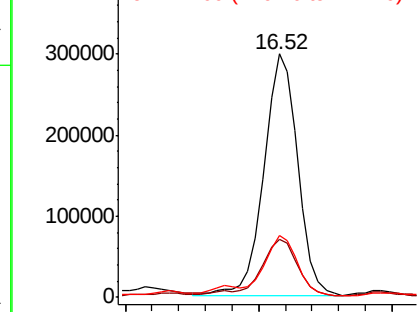


Abundance

Ion 276.00 (275.70 to 276.70): E

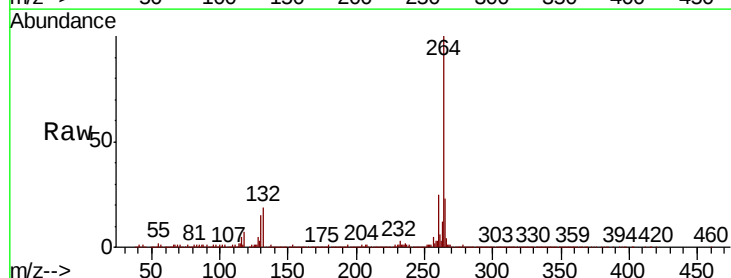
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF114672.D
 Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	22.8	18.1	27.1

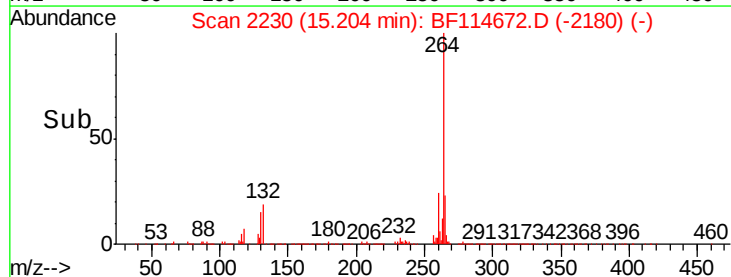
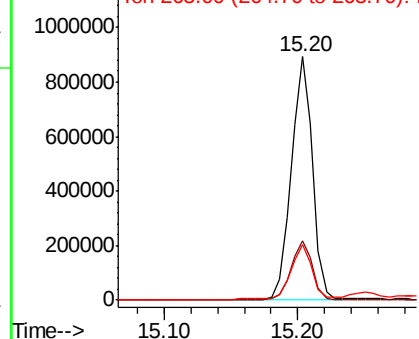


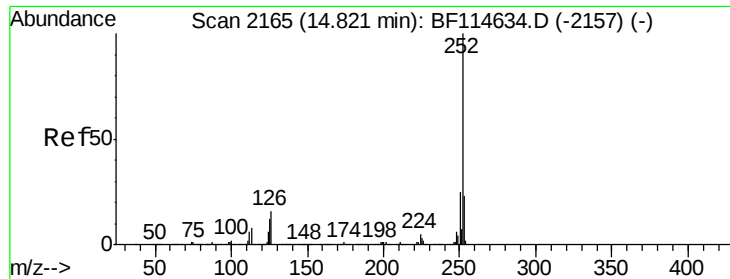
Abundance

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





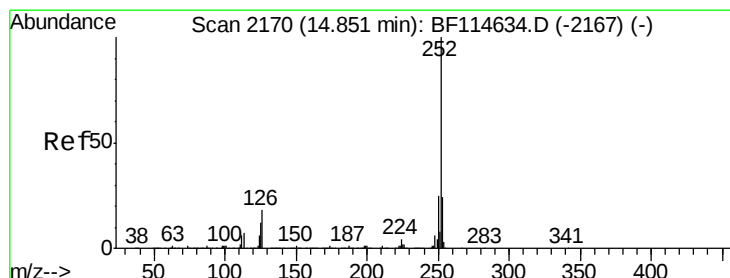
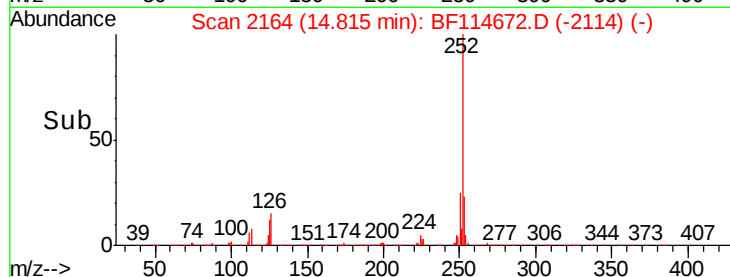
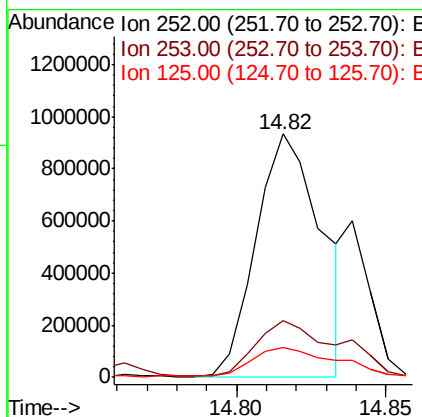
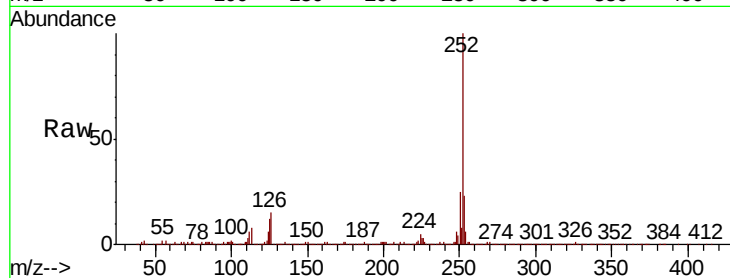
#88
Benzo(b)fluoranthene
Concen: 22.885 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	12.4	9.4	14.2

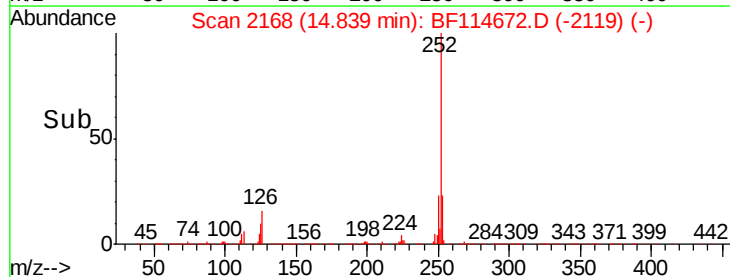
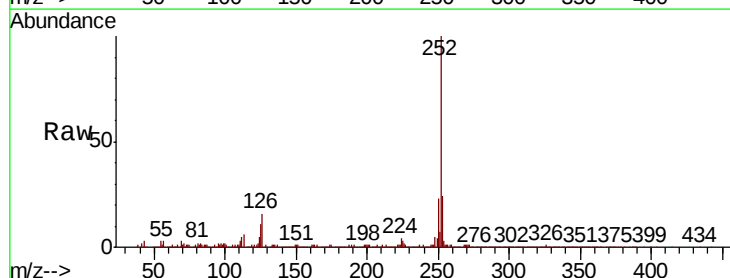
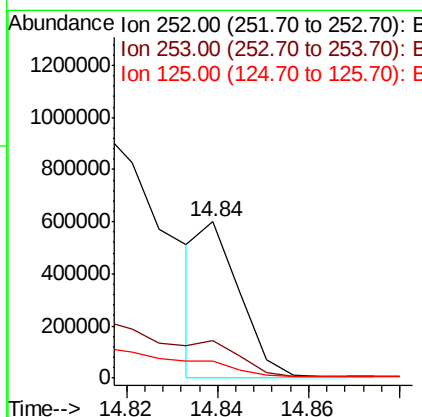
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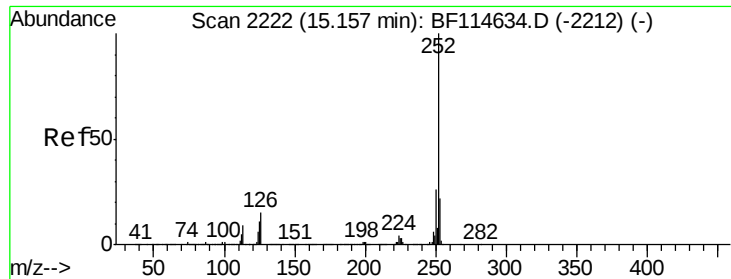
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#89
Benzo(k)fluoranthene
Concen: 6.682 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	11.0	9.5	14.3





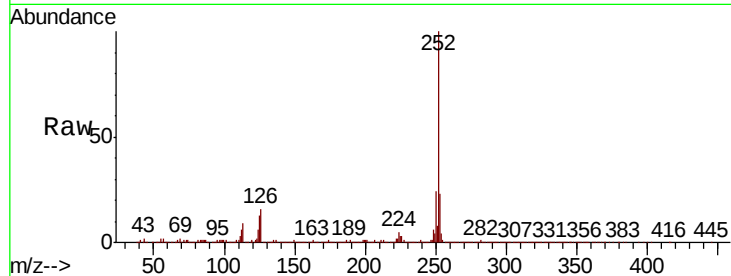
#90
Benzo(a)pyrene
Concen: 17.471 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

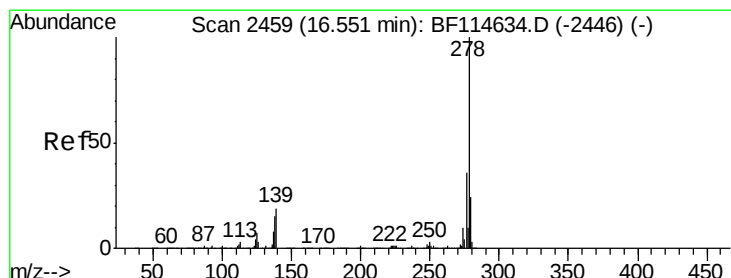
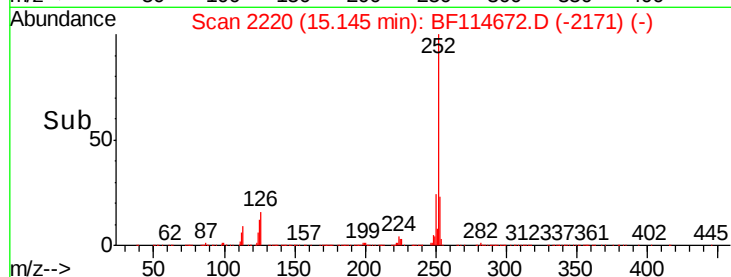
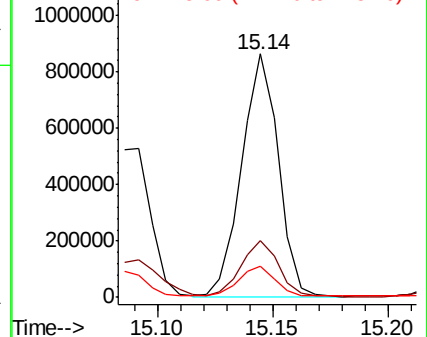
Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.3	18.0	27.0	
125	12.9	9.2	13.8	

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mohammad
6/3/2019 8:47:22 AM

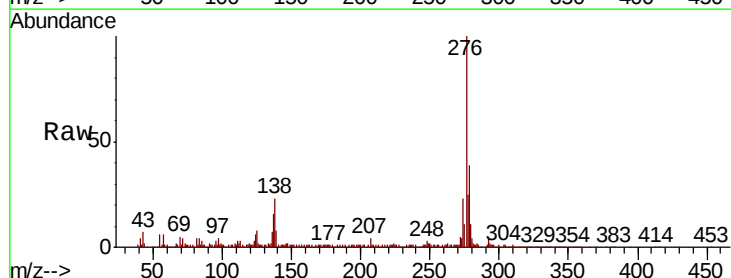


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

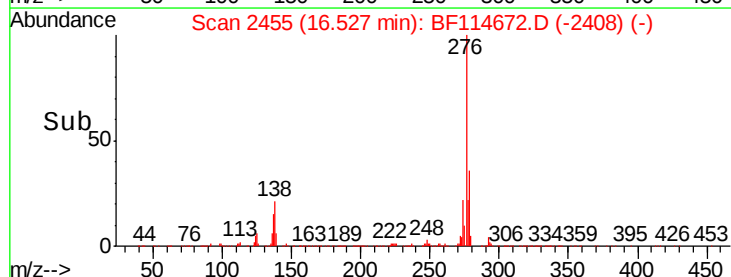
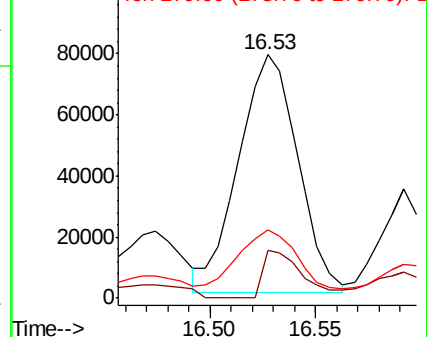


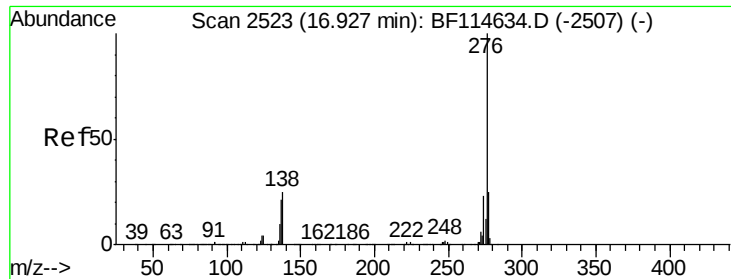
#91
Dibenzo(a,h)anthracene
Concen: 3.156 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BF114672.D
Acq: 30 May 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	19.7	14.9	22.3	
279	27.8	19.5	29.3	



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: 9.228 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.02 min

Lab File: BF114672.D

Acq: 30 May 2019 20:48

Instrument :

BNA_F

ClientSampleId :

B-3SE(4-5)

Tot Ion:	276	Resp:	432308
Ion Ratio		Lower	Upper
276	100		
277	24.2	19.7	29.5
138	25.1	19.8	29.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:22 AM

