

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121508.D
 Acq On : 1 Sep 2020 21:13
 Operator : JU/CG
 Sample : L3506-11 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

Manual Integrations
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Quant Time: Sep 02 02:35:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	272642	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1019781	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	486184	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	814061	20.00	ng	0.00
76) Chrysene-d12	14.03	240	631015	20.00	ng	0.00
86) Perylene-d12	15.51	264	707062	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	270654	16.66	ng	-0.01
7) Phenol-d6	6.47	99	352331	15.51	ng	-0.02
23) Nitrobenzene-d5	7.41	82	211974	14.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	84401	17.19	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	445606	14.79	ng	-0.01
79) Terphenyl-d14	12.97	244	368740	12.30	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	219976	4.345	ng	96
37) 2-Methylnaphthalene	8.86	142	89234	2.660	ng	97
38) 1-Methylnaphthalene	8.95	142	67856	2.142	ng	99
49) Acenaphthylene	9.76	152	130472	2.885	ng	97
50) Dimethylphthalate	9.61	163	67695	2.027	ng	# 99
55) Dibenzofuran	10.10	168	112106	2.702	ng	95
58) Fluorene	10.45	166	145172	4.642	ng	100
71) Phenanthrene	11.41	178	1113982	26.666	ng	98
72) Anthracene	11.46	178	239199	5.822	ng	96
73) Carbazole	11.62	167	104677	2.642	ng	97
75) Fluoranthene	12.60	202	1154865	25.650	ng	97
78) Pyrene	12.83	202	967251	21.463	ng	97
81) Benzo(a)anthracene	14.02	228	450901	11.706	ng	94
83) Chrysene	14.06	228	418385	10.856	ng	97
87) Indeno(1,2,3-cd)pyrene	16.97	276	187235	4.304	ng	97
88) Benzo(b)fluoranthene	15.07	252	520233m	11.311	ng	
89) Benzo(k)fluoranthene	15.10	252	162711m	3.803	ng	
90) Benzo(a)pyrene	15.44	252	315962	7.640	ng	99
92) Benzo(a,h,i)perylene	17.42	276	162430	4.735	ng	98

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

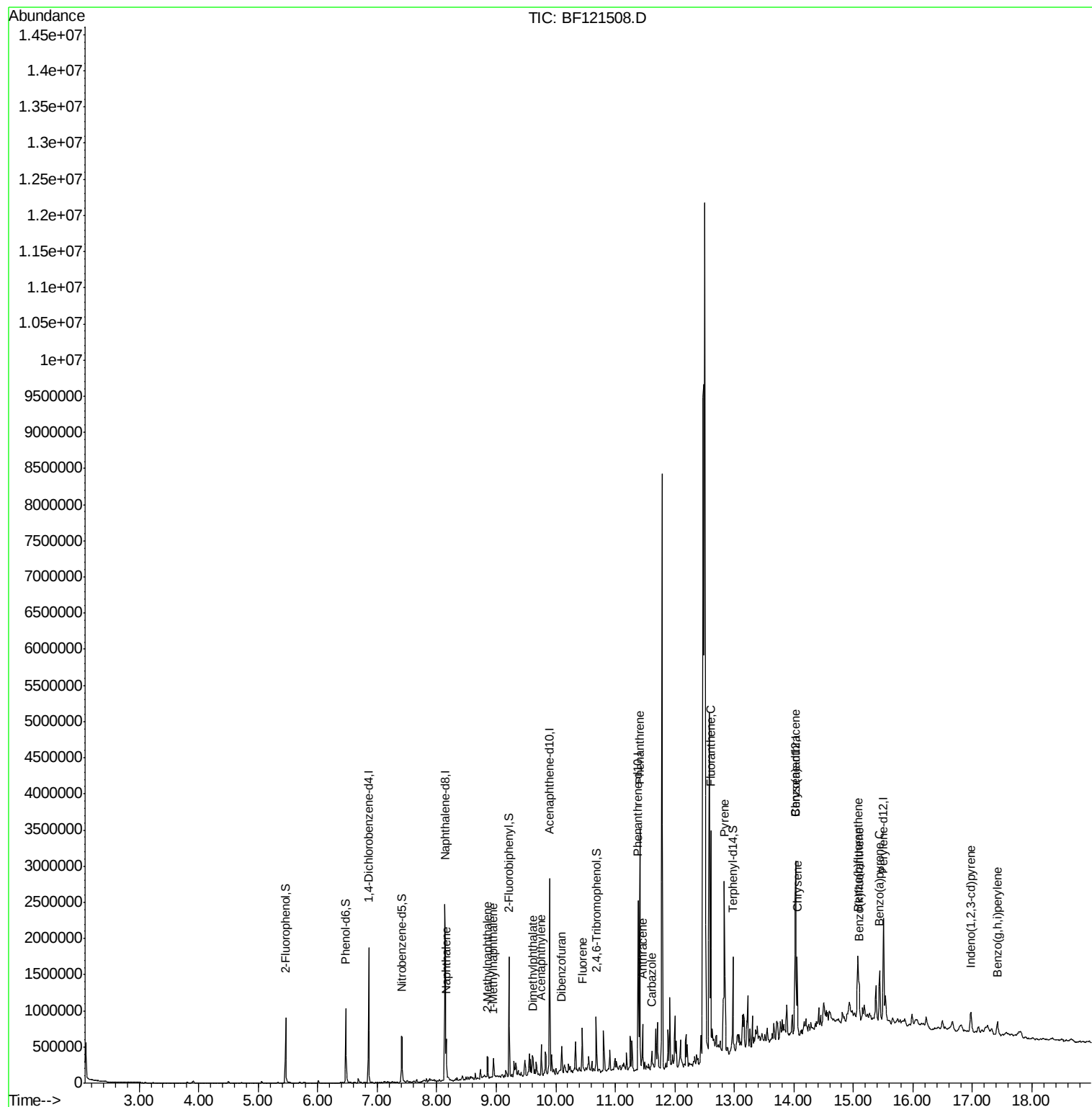
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

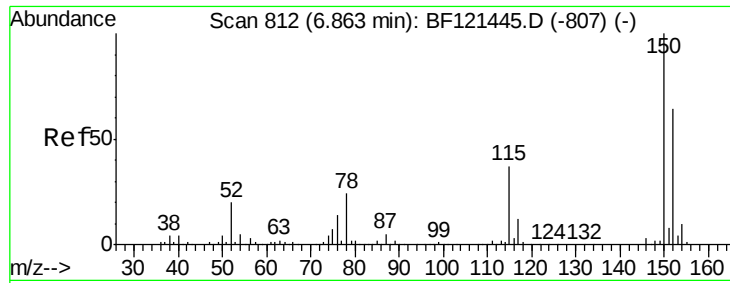
Instrument :
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ClientSampleId :
OR-02-083120

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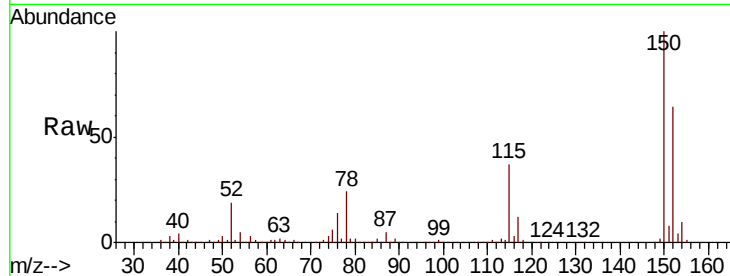
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.8	188.6
115	57.8	46.6	69.8

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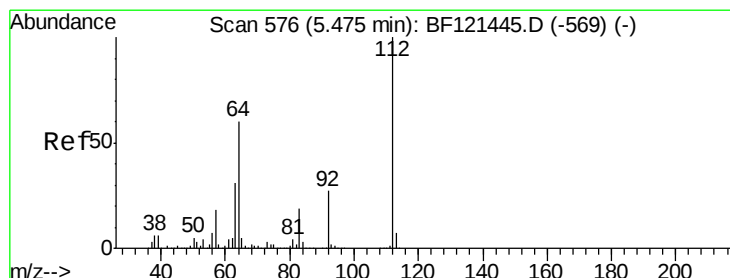
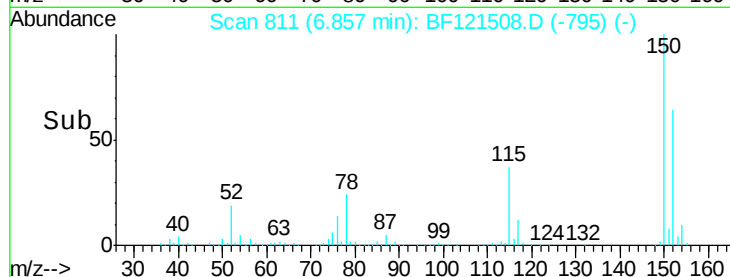
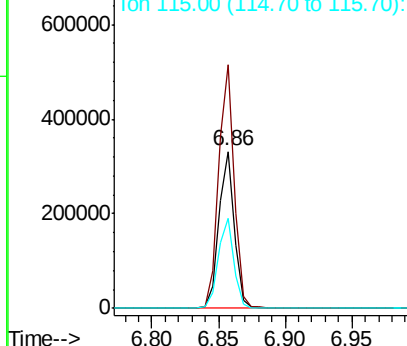


Abundance

Ion 152.00 (151.70 to 152.70): E

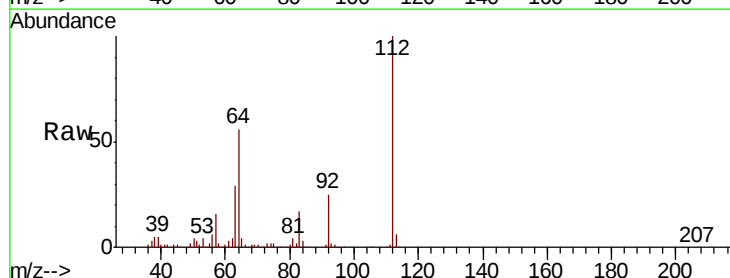
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 16.655 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	48.2	72.2
63	28.9	24.8	37.2

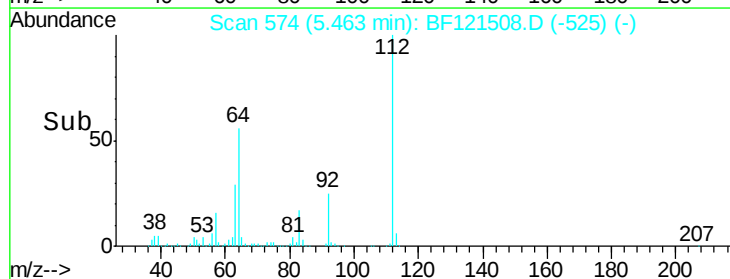
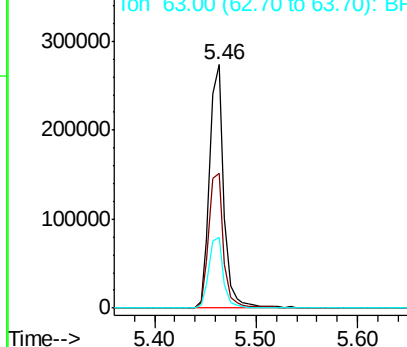


Abundance

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: 15.515 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121508.D

Acq: 1 Sep 2020 21:13

Instrument :

BNA_F

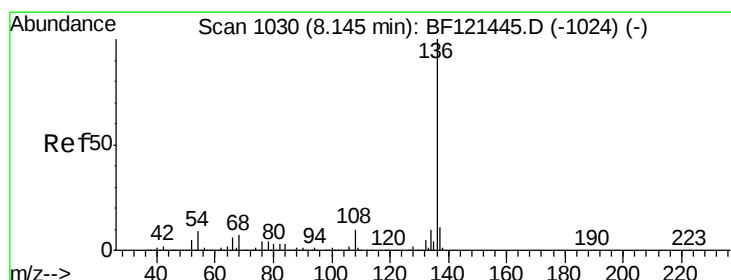
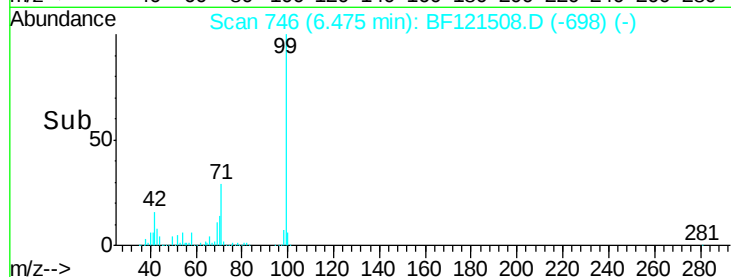
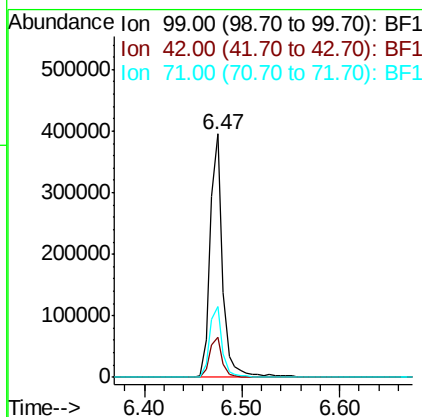
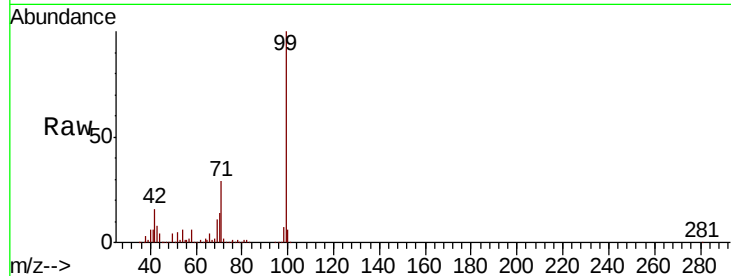
ClientSampleId :

OR-02-083120

Tot Ion:	99	Resp:	352331
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.5	20.3
71	28.9	24.6	37.0

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#21

Naphthalene-d8

Concen: 20.000 ng

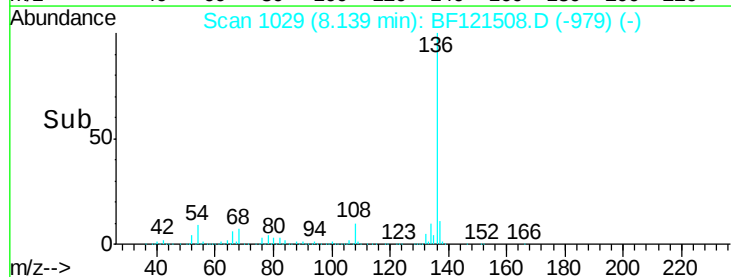
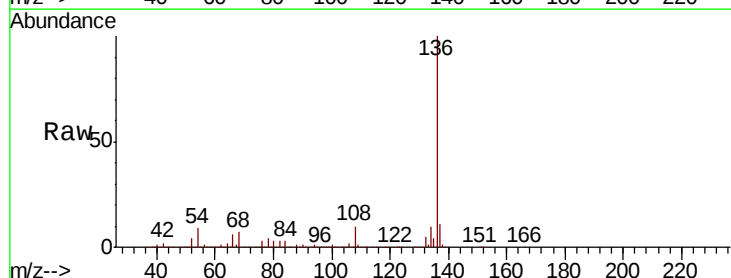
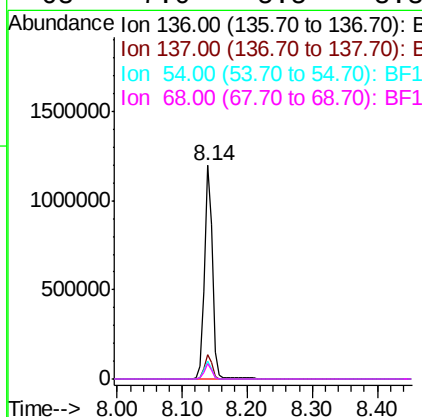
RT: 8.14 min Scan# 1029

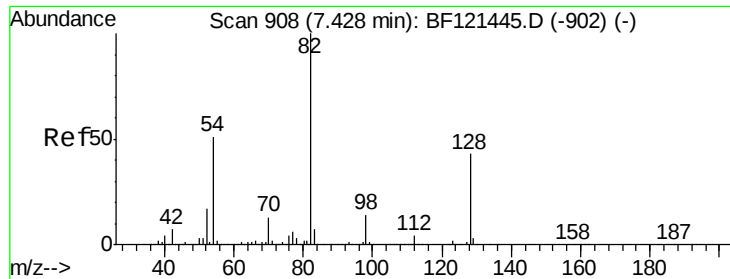
Delta R.T. -0.01 min

Lab File: BF121508.D

Acq: 1 Sep 2020 21:13

Tgt Ion:	136	Resp:	1019781
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.6	7.0	10.4
68	7.0	5.5	8.3





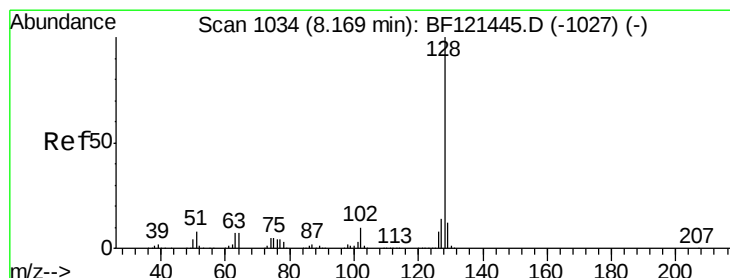
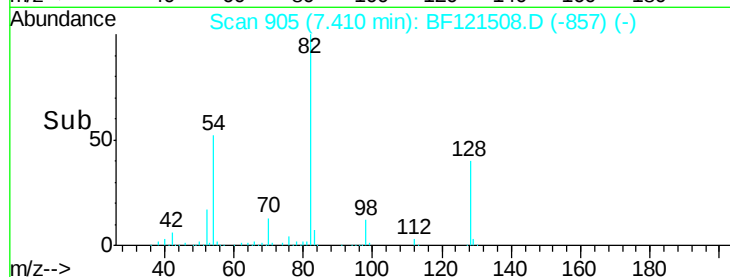
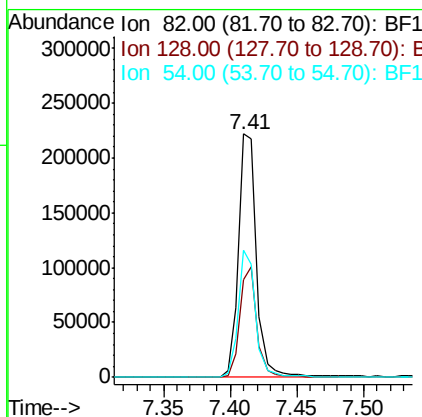
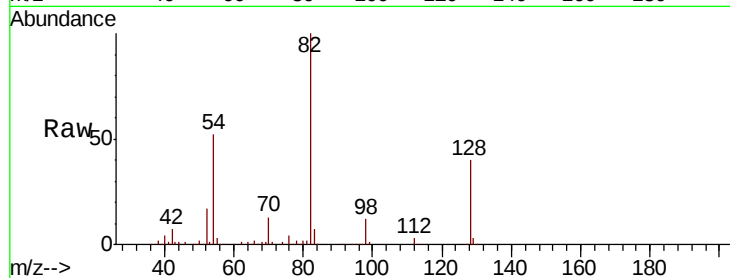
#23
Nitrobenzene-d5
Concen: 14.211 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion	82	Resp	211974
Ion Ratio	Lower	Upper	
82	100		
128	39.9	34.1	51.1
54	52.2	41.0	61.6

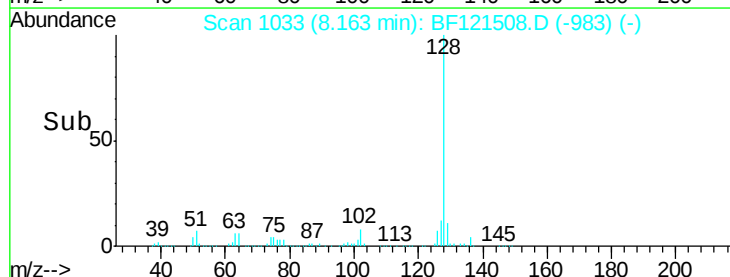
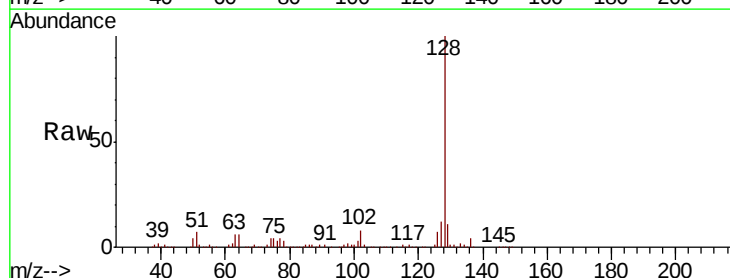
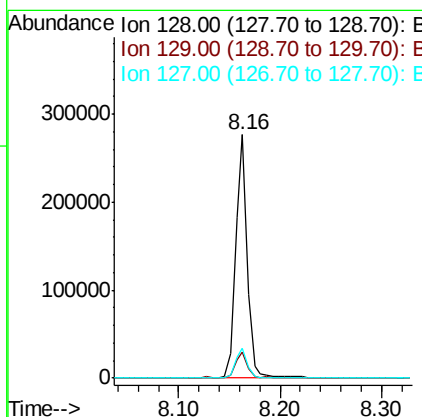
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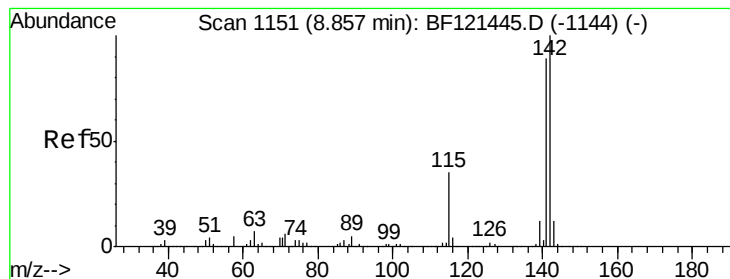
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#31
Naphthalene
Concen: 4.345 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion	128	Resp	219976
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.6	14.4
127	12.5	11.4	17.2





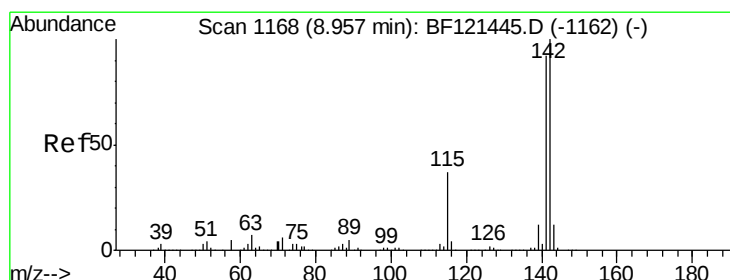
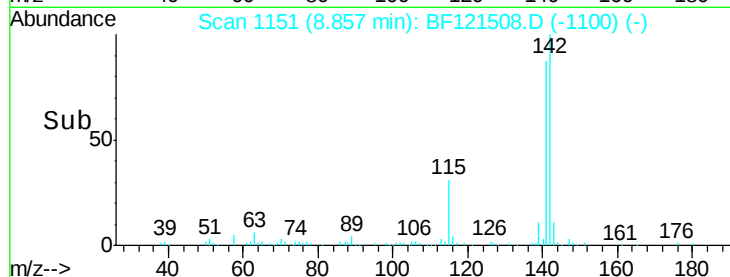
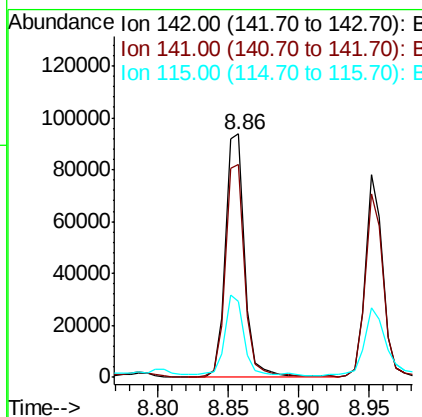
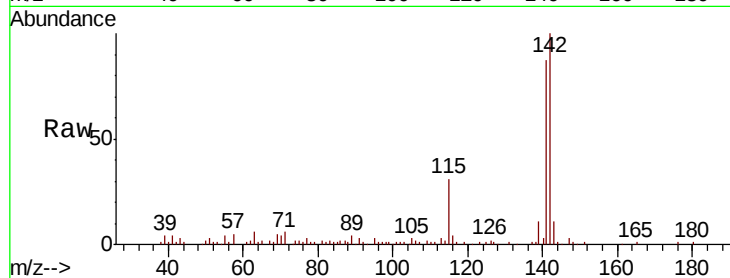
#37
2-Methylnaphthalene
Concen: 2.660 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	31.3	28.2	42.4

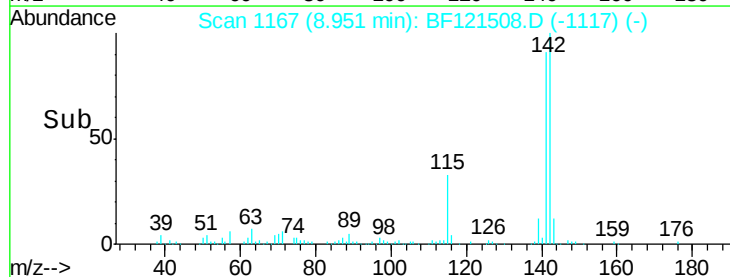
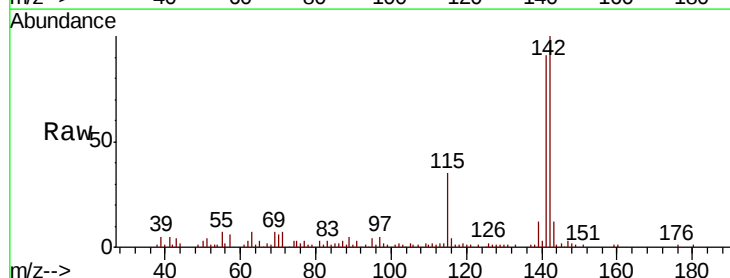
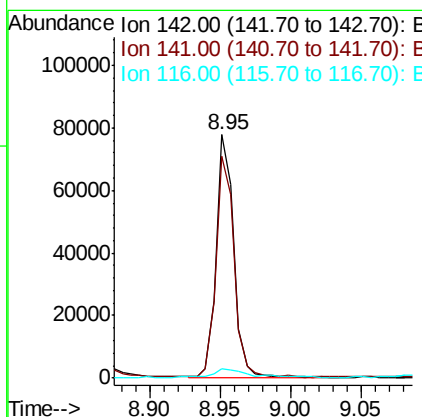
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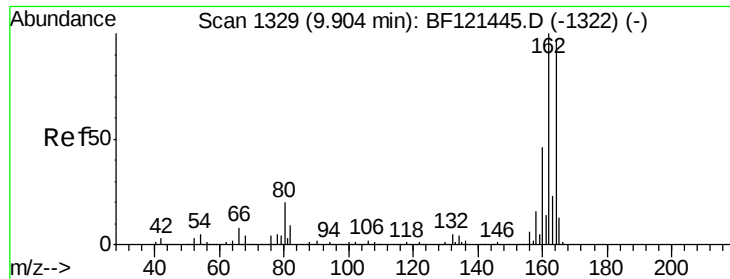
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#38
1-Methylnaphthalene
Concen: 2.142 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.7	110.5
116	4.1	3.1	4.7





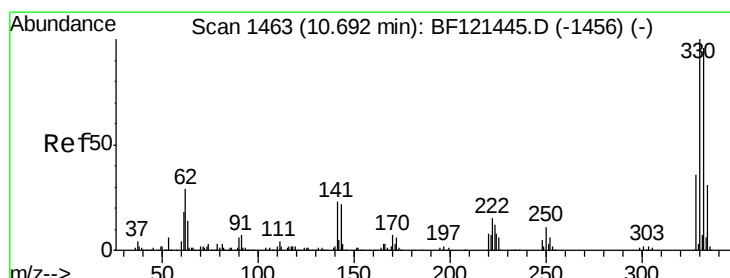
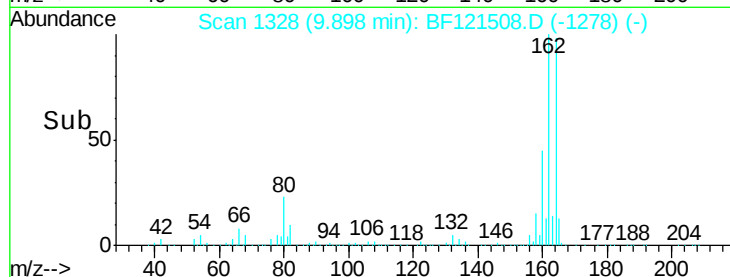
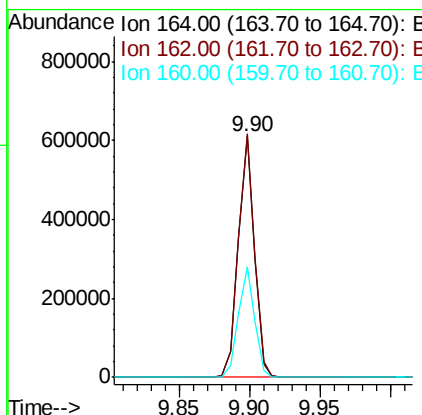
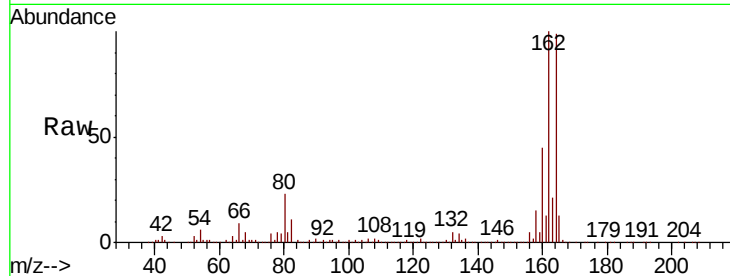
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	82.4	123.6	
160	46.0	37.6	56.4	

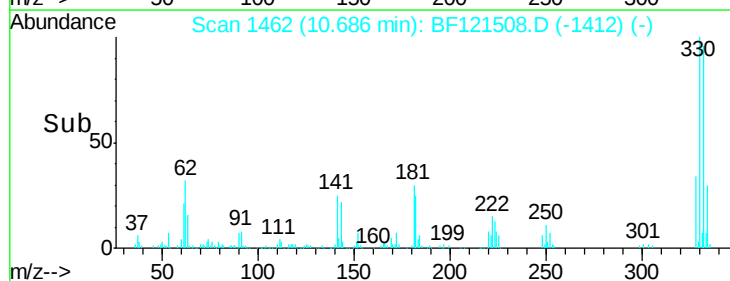
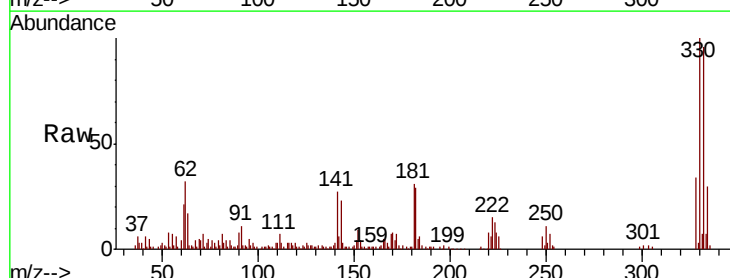
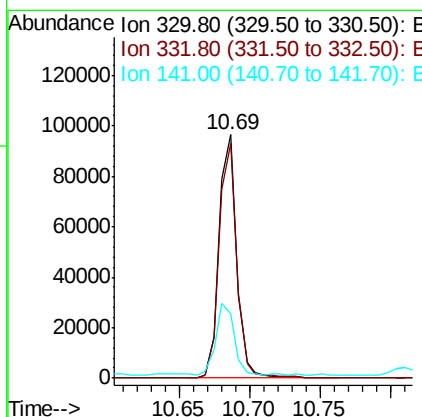
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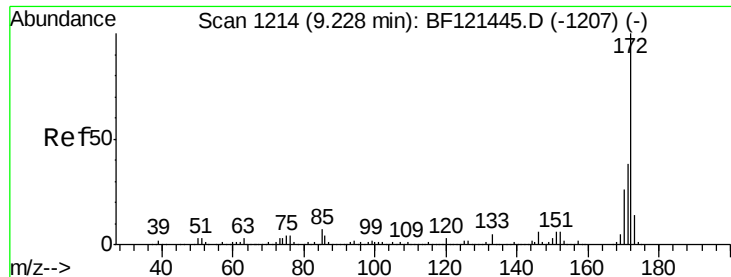
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#42
2,4,6-Tribromophenol
Concen: 17.187 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.2	114.2	
141	29.7	24.6	36.8	





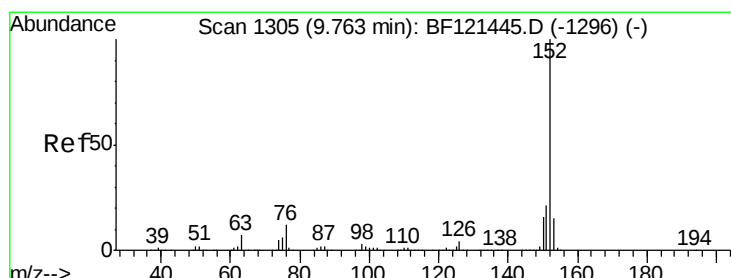
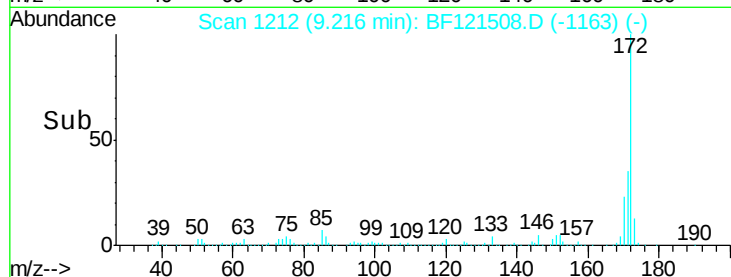
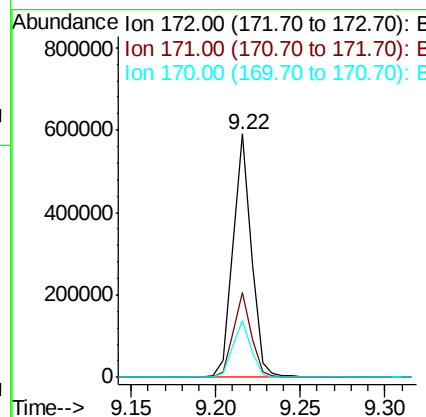
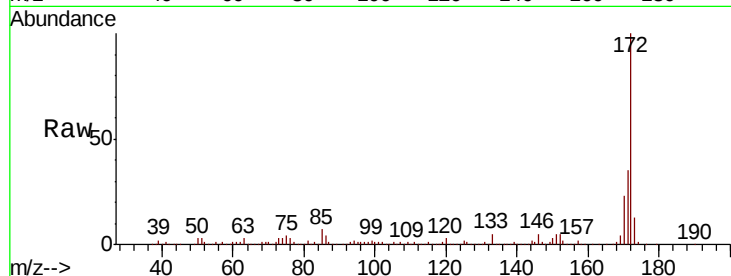
#45
2-Fluorobiphenyl
Concen: 14.789 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion:	172	Resp:	445606
Ion Ratio	Lower	Upper	
172	100		
171	35.1	30.6	45.8
170	23.2	20.6	31.0

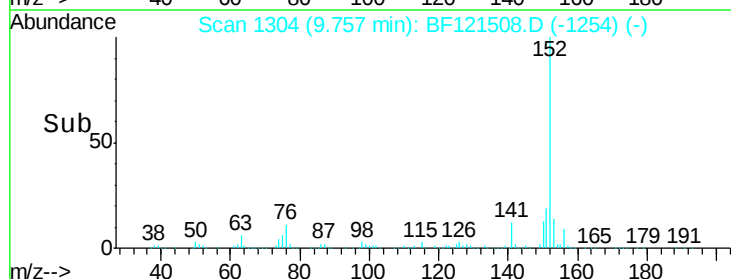
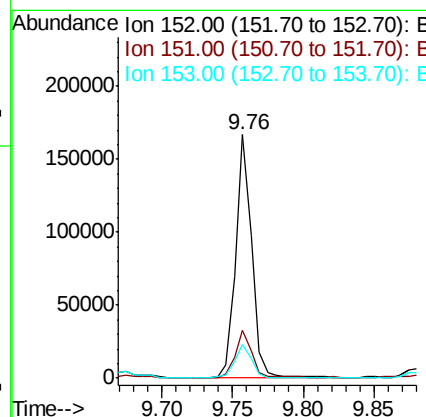
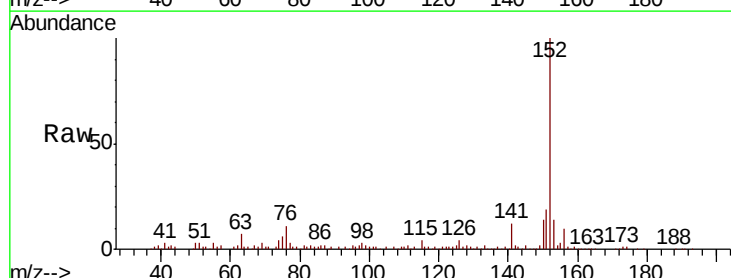
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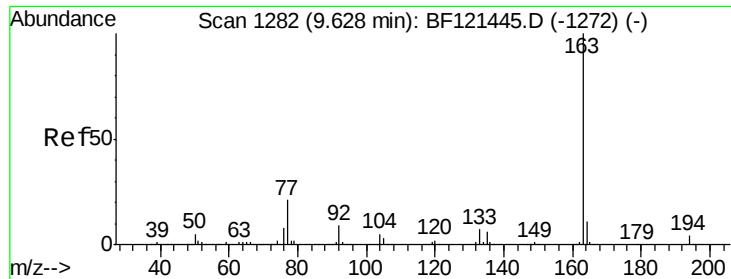
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#49
Acenaphthylene
Concen: 2.885 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion:	152	Resp:	130472
Ion Ratio	Lower	Upper	
152	100		
151	19.4	17.2	25.8
153	14.0	11.6	17.4





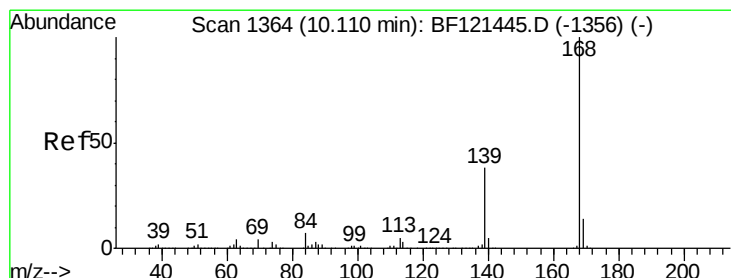
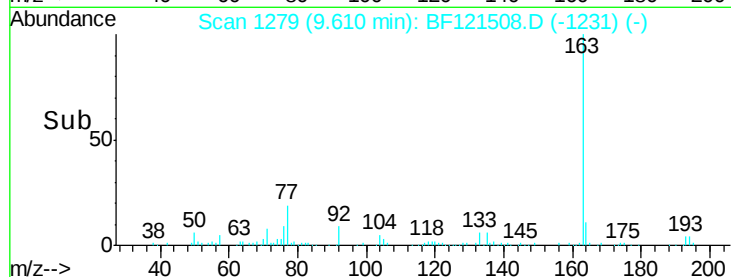
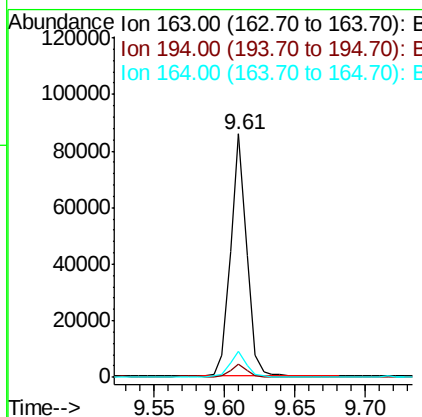
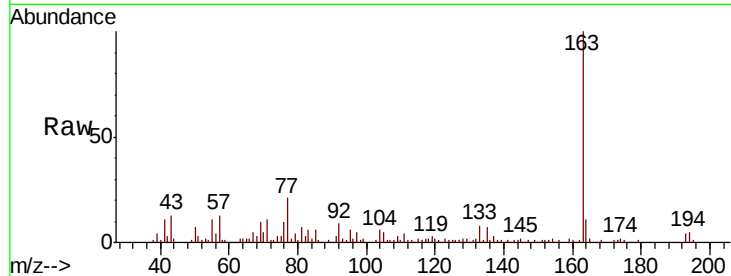
#50
Dimethylphthalate
Concen: 2.027 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion	Ratio	Resp	Lower	Upper
163	100	67695		
194	5.3		3.3	4.9#
164	10.8		8.6	12.8

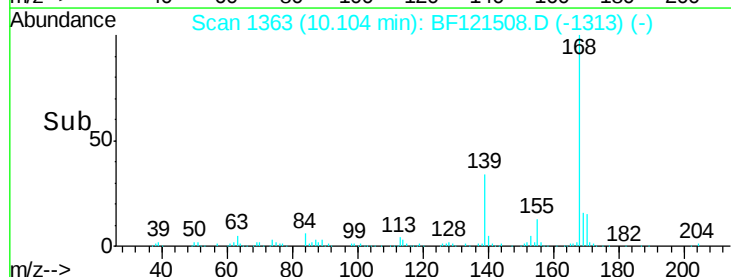
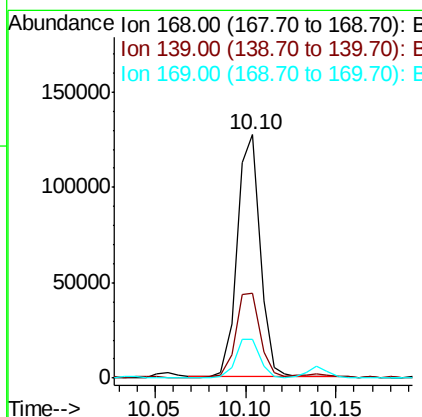
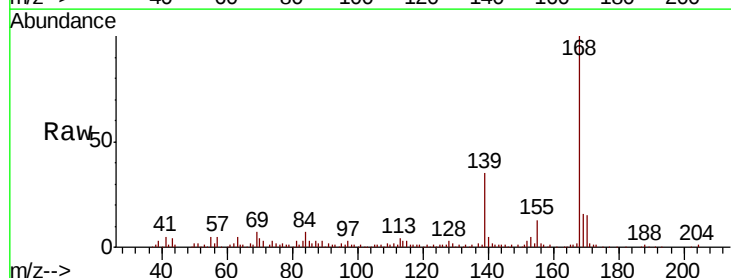
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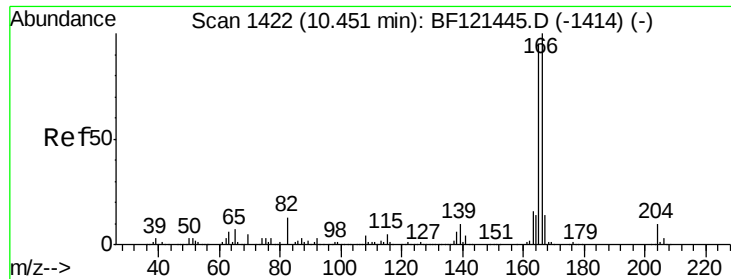
mohammad
9/2/2020 1:57:34 PM



#55
Dibenzofuran
Concen: 2.702 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	112106		
139	34.7		30.1	45.1
169	16.1		11.2	16.8





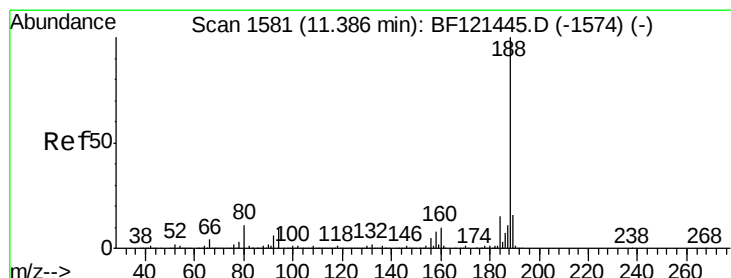
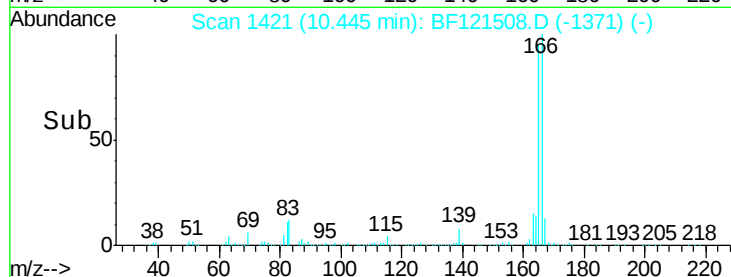
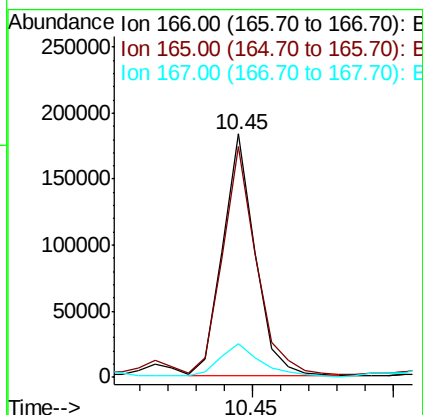
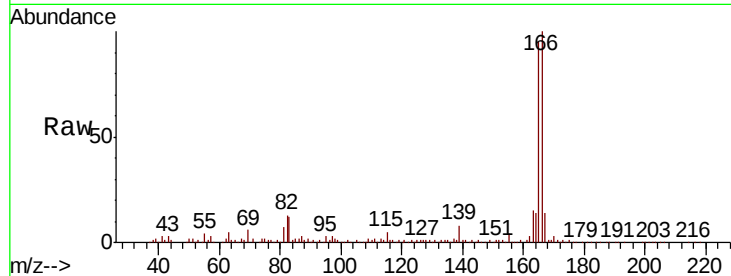
#58
 Fluorene
 Concen: 4.642 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		145172		
165	94.8	75.7	113.5		
167	14.0	11.1	16.7		

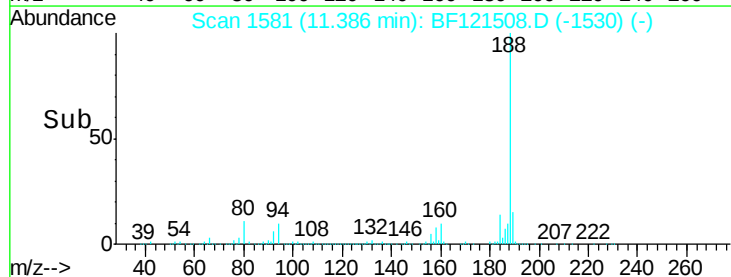
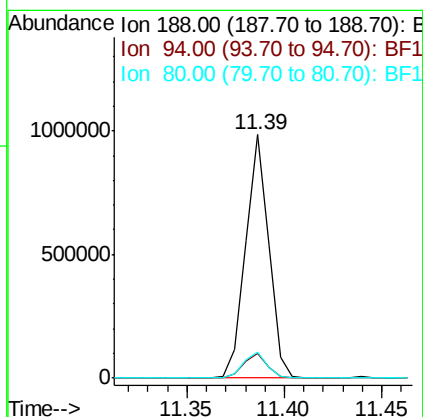
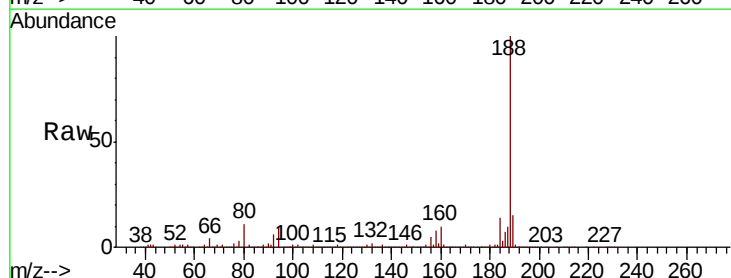
Manual Integrations
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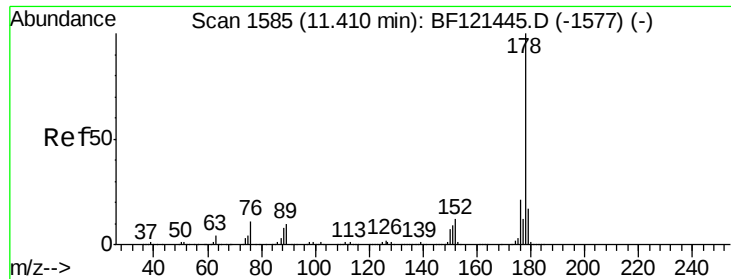
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		814061		
94	10.4	8.3	12.5		
80	10.7	8.6	13.0		





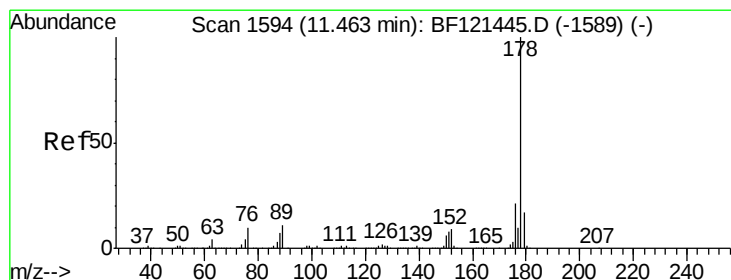
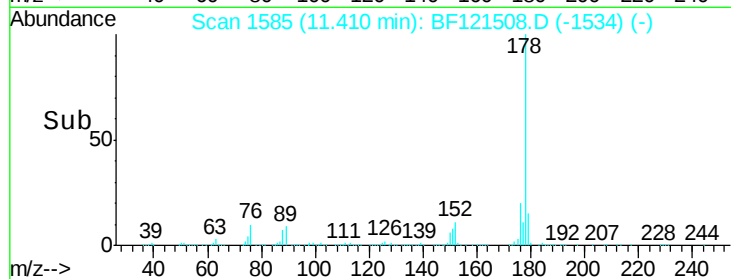
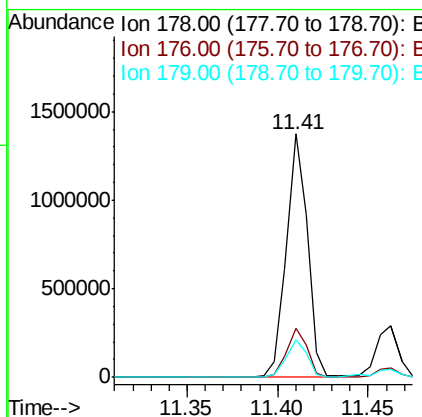
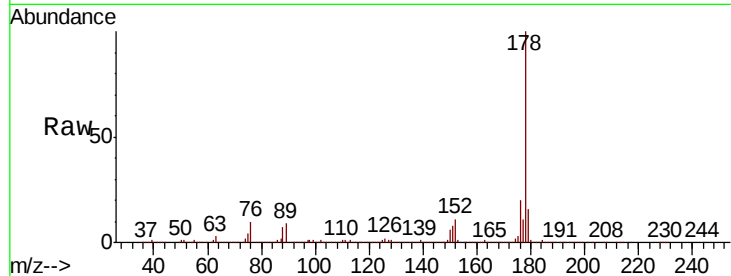
#71
Phenanthrene
Concen: 26.666 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion:178 Resp: 1113982
Ion Ratio Lower Upper
178 100
176 20.2 16.9 25.3
179 15.7 13.4 20.0

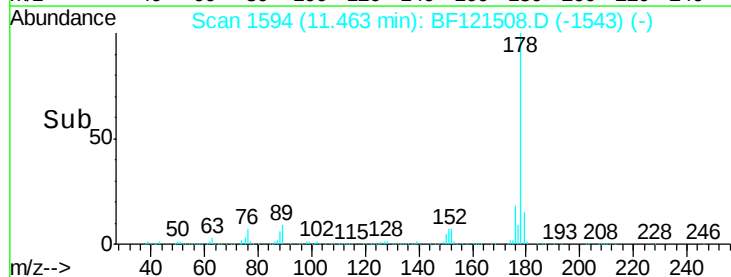
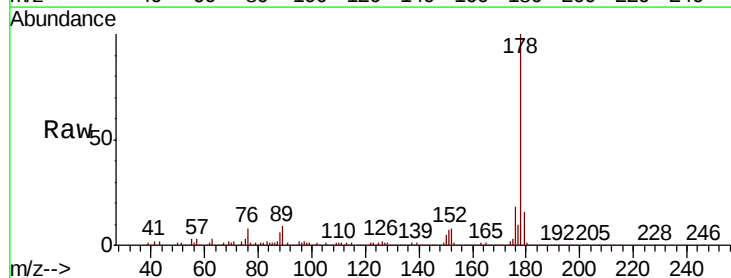
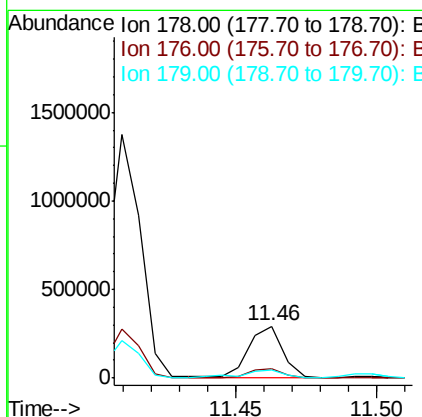
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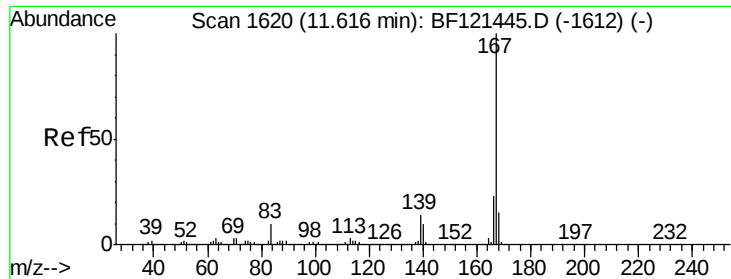
mohammad
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#72
Anthracene
Concen: 5.822 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion:178 Resp: 239199
Ion Ratio Lower Upper
178 100
176 18.3 16.7 25.1
179 15.5 13.4 20.2





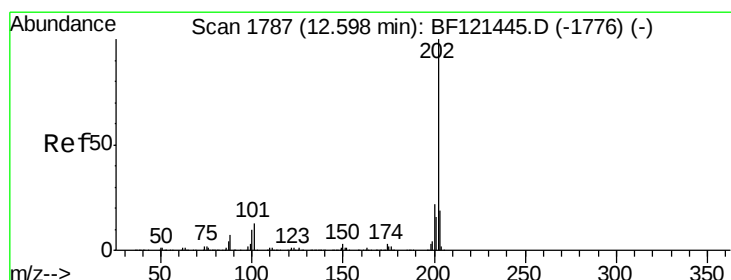
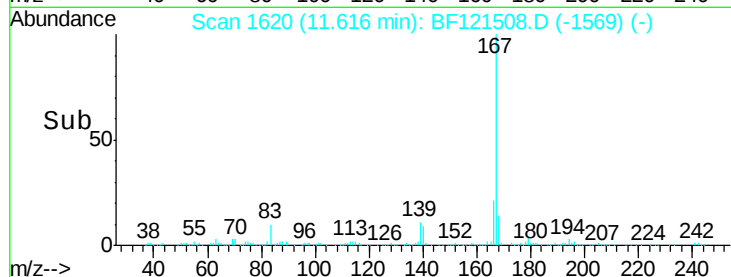
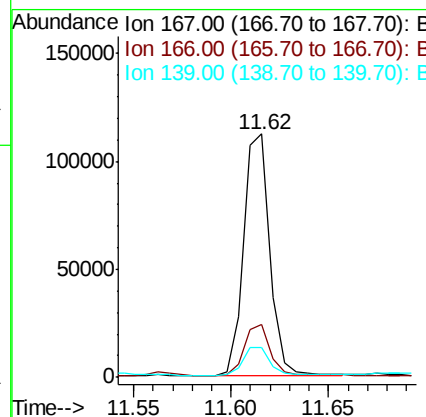
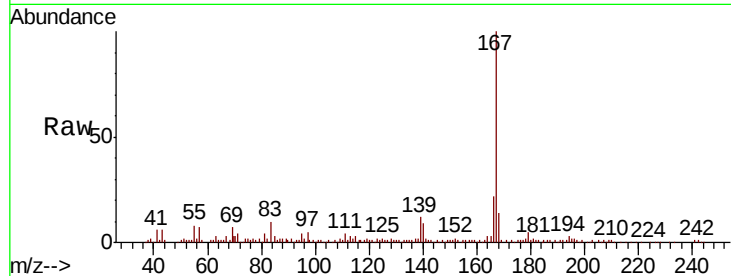
#73
 Carbazole
 Concen: 2.642 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

Tot Ion:	167	Resp:	104677
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.4	27.6
139	12.3	11.0	16.6

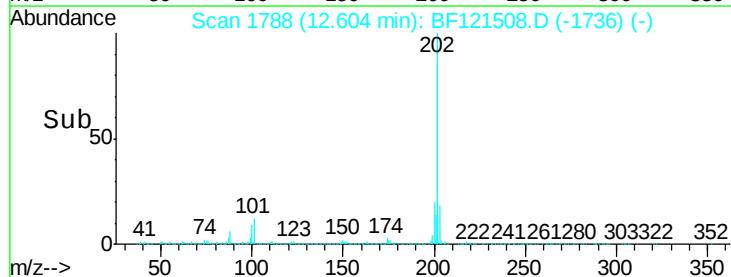
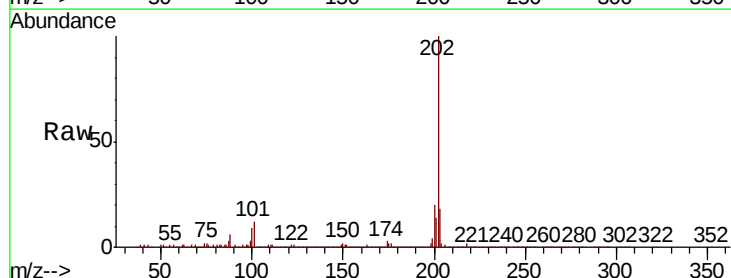
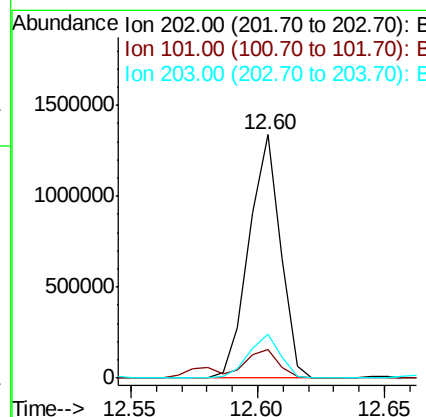
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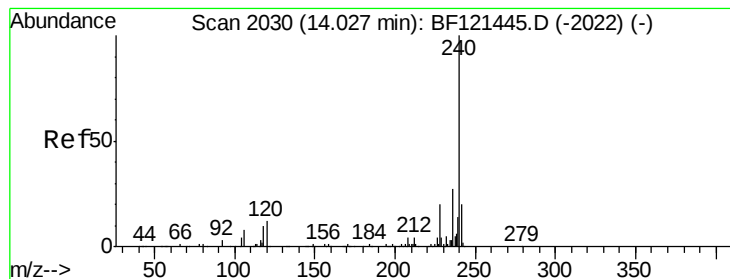
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#75
 Fluoranthene
 Concen: 25.650 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Tgt Ion:	202	Resp:	1154865
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	33.3
203	18.1	0.0	39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF121508.D

Acq: 1 Sep 2020 21:13

Instrument :

BNA_F

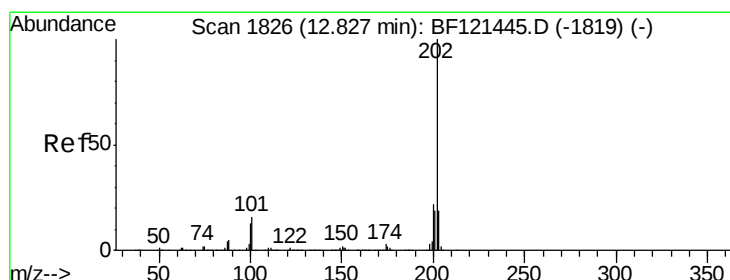
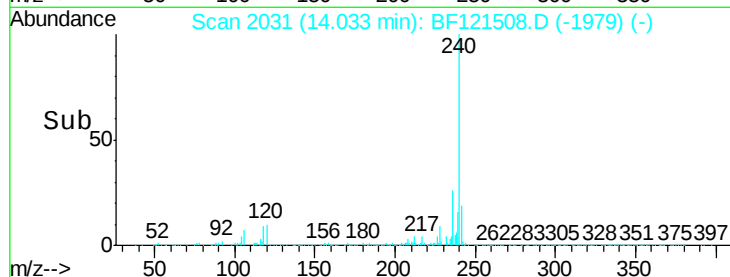
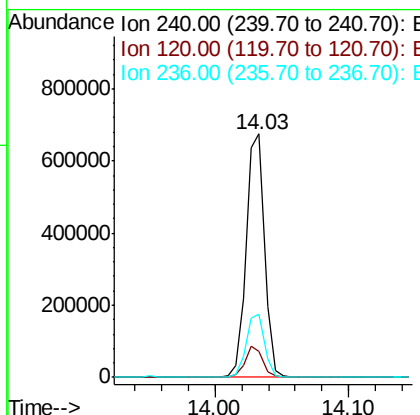
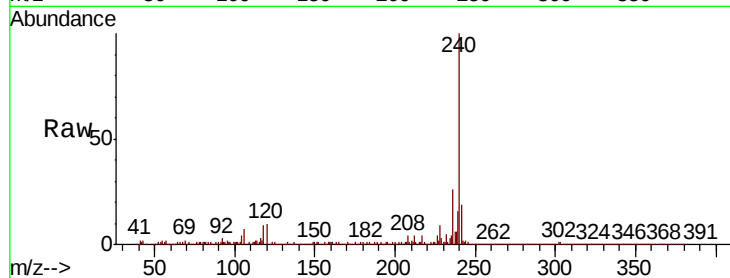
ClientSampleId :

OR-02-083120

Tot Ion:	240	Resp:	631015
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	26.0	21.8	32.6

Manual Integrations
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#78

Pyrene

Concen: 21.463 ng

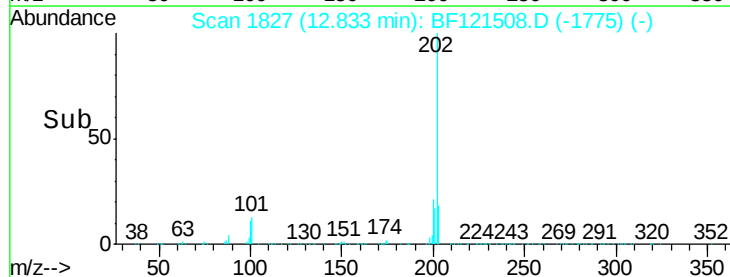
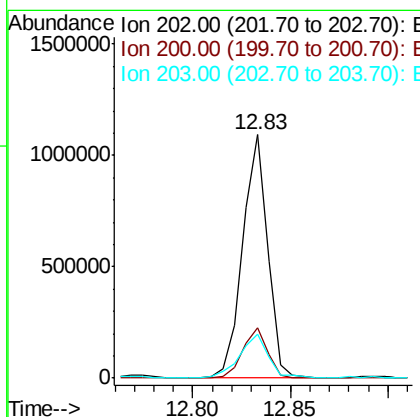
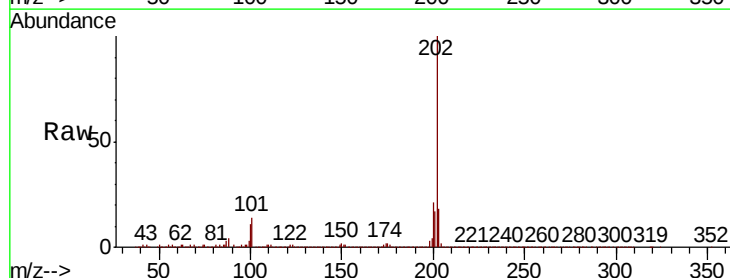
RT: 12.83 min Scan# 1827

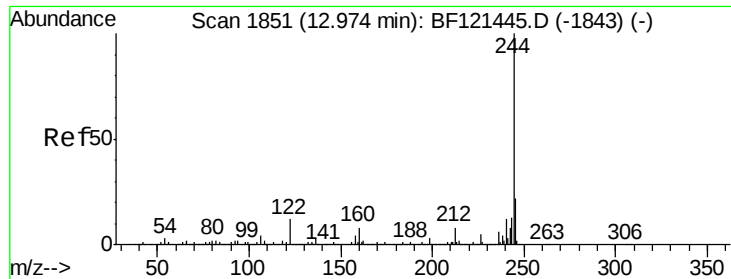
Delta R.T. 0.01 min

Lab File: BF121508.D

Acq: 1 Sep 2020 21:13

Tgt Ion:	202	Resp:	967251
Ion Ratio	Lower	Upper	
202	100		
200	20.5	18.0	27.0
203	18.1	15.3	22.9





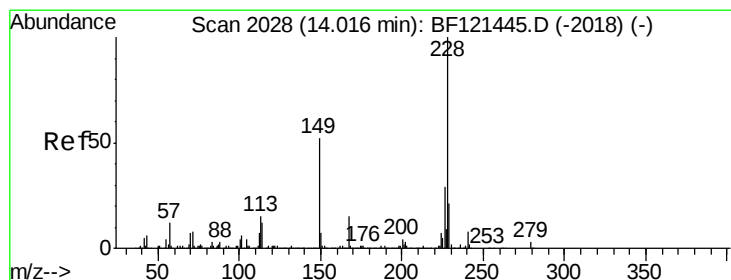
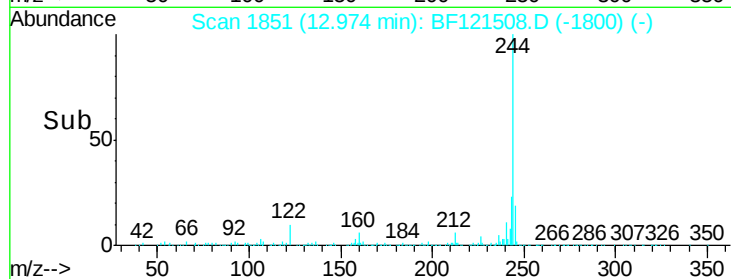
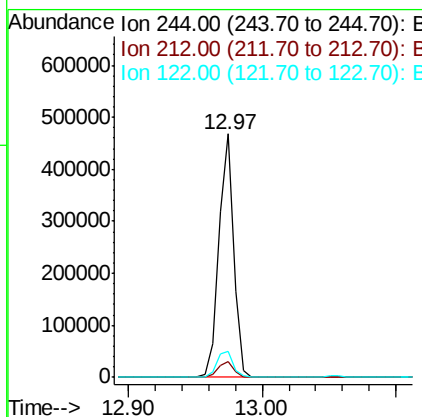
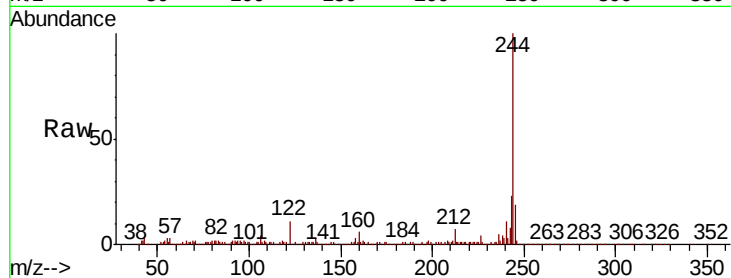
#79
 Terphenyl-d14
 Concen: 12.301 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	10.8	9.5	14.3

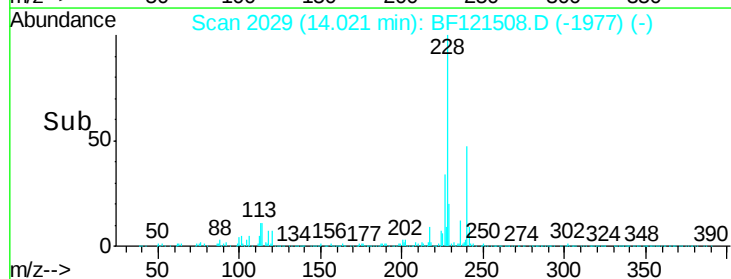
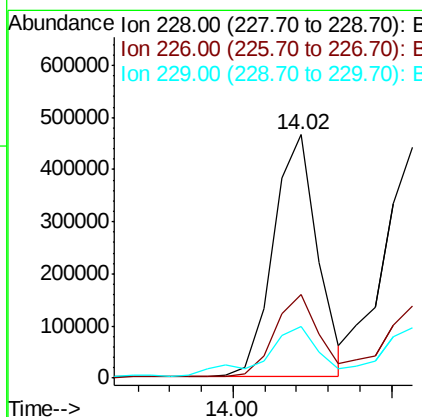
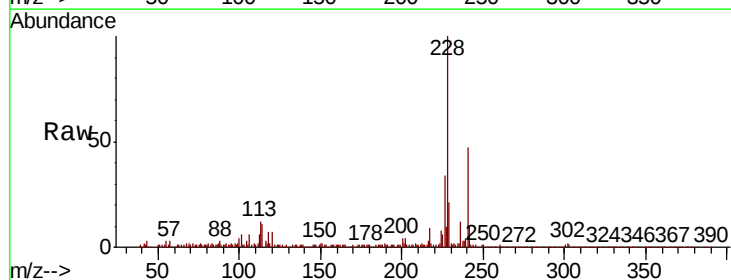
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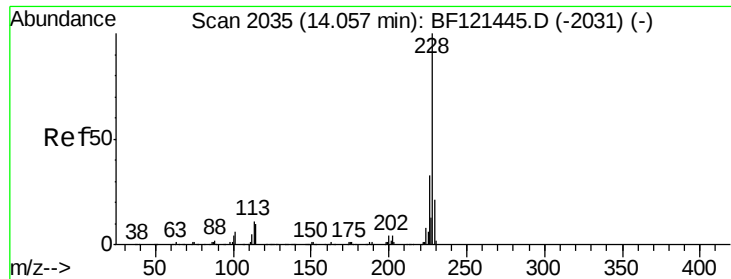
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#81
 Benzo(a)anthracene
 Concen: 11.706 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	23.0	34.4
229	20.9	16.6	24.8





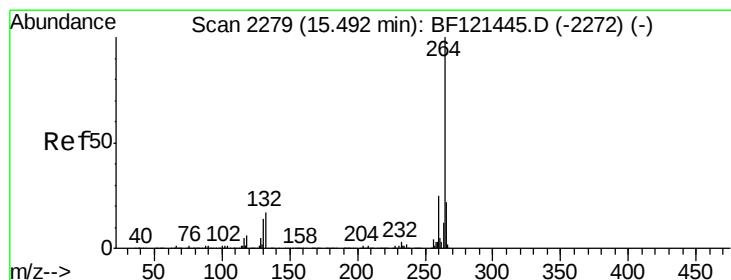
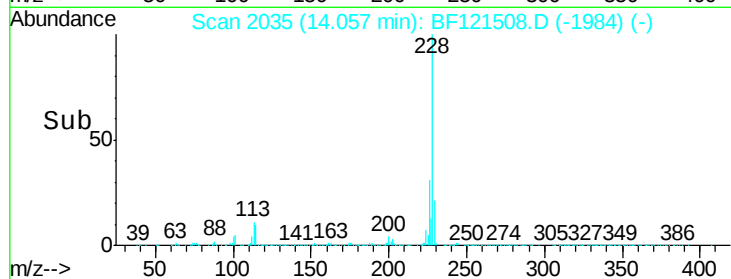
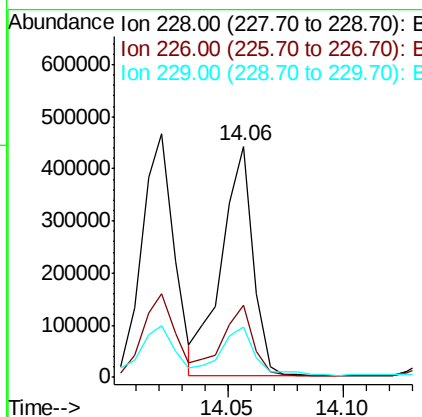
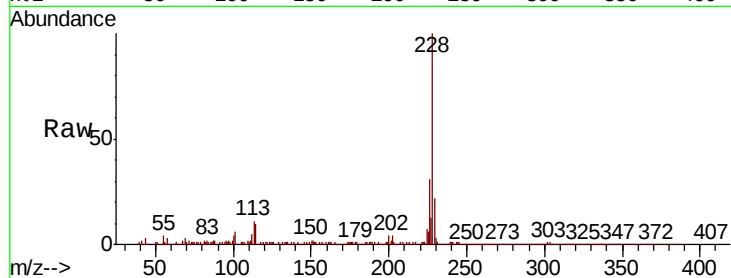
#83
Chrysene
Concen: 10.856 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	26.2	39.2
229	22.0	16.6	25.0

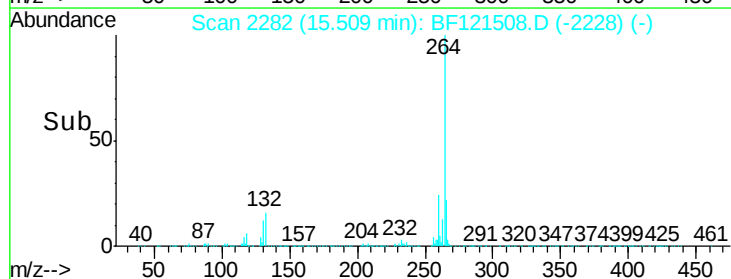
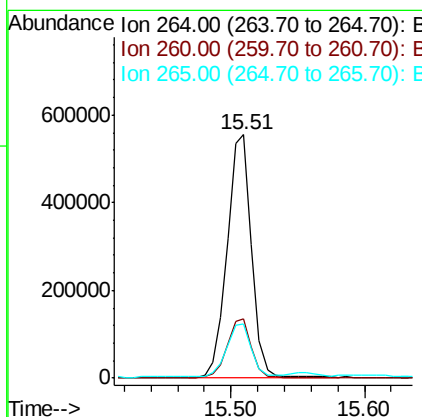
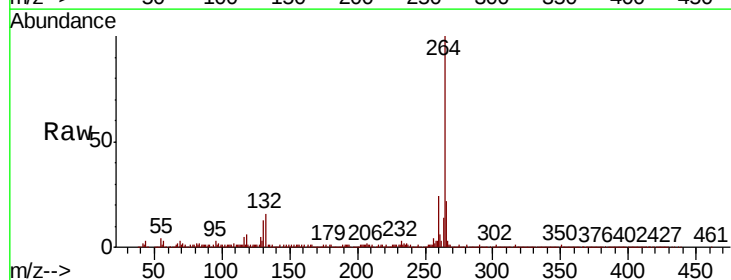
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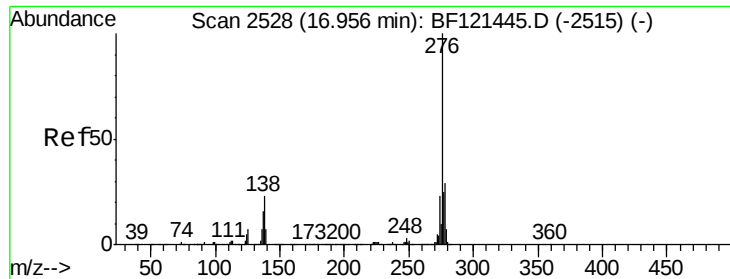
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.5	17.8	26.6





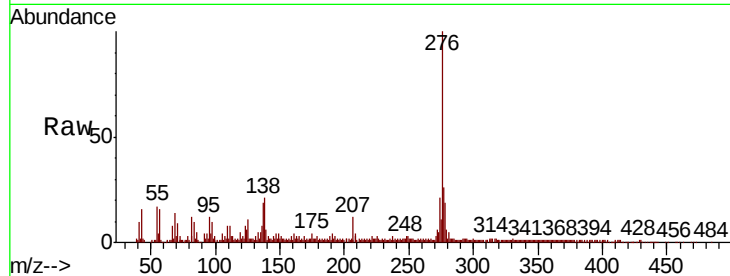
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.304 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.02 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

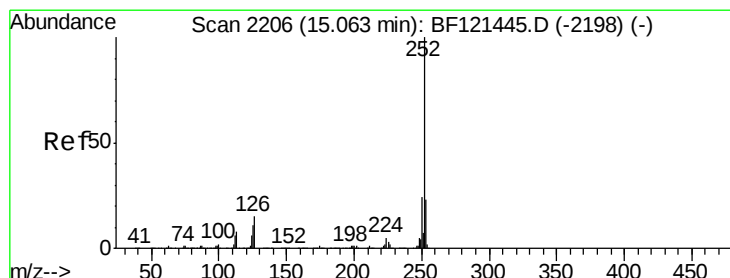
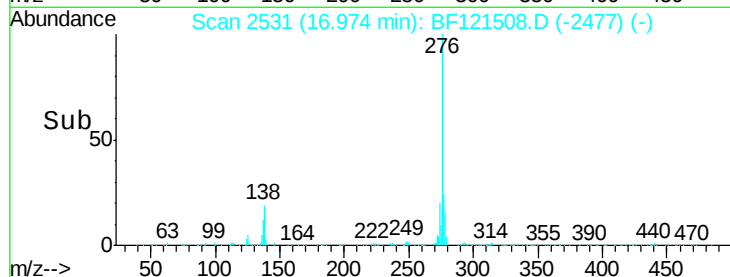
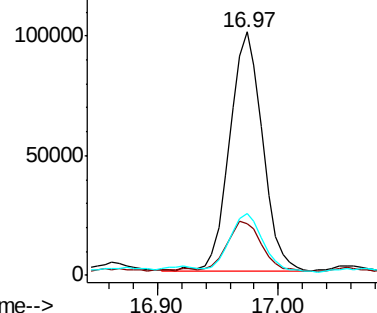
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.6	31.0
277	25.0	20.5	30.7

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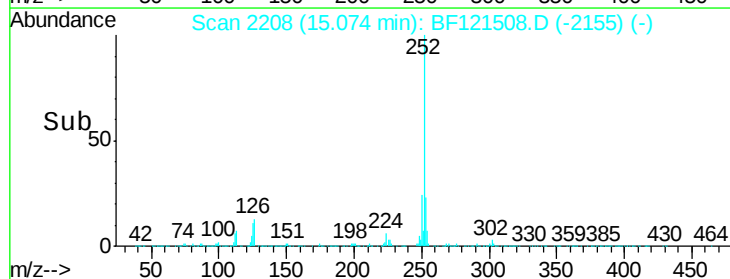
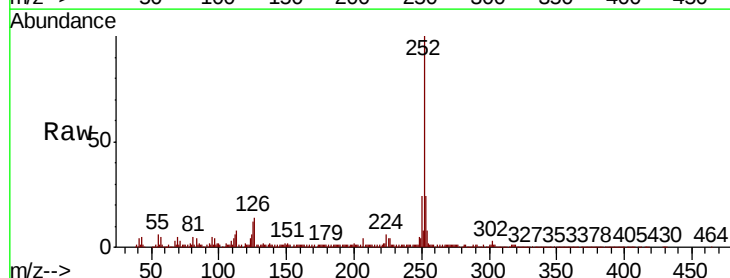
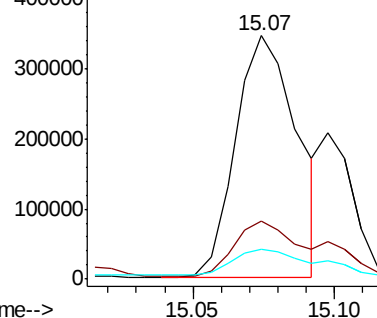
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

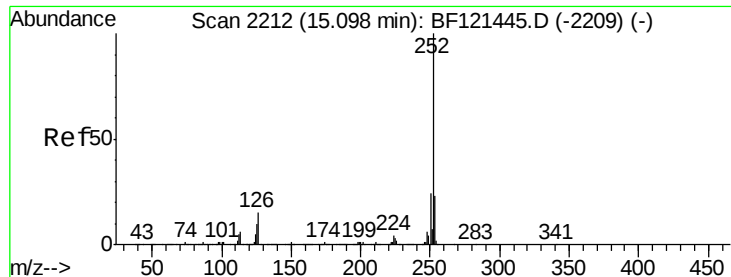


#88
 Benzo(b)fluoranthene
 Concen: 11.311 ng m
 RT: 15.07 min Scan# 2208
 Delta R.T. 0.01 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	12.1	9.2	13.8

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





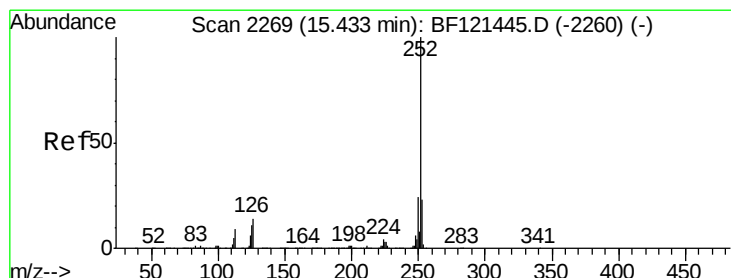
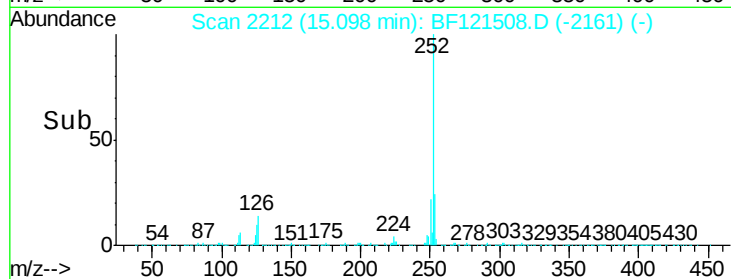
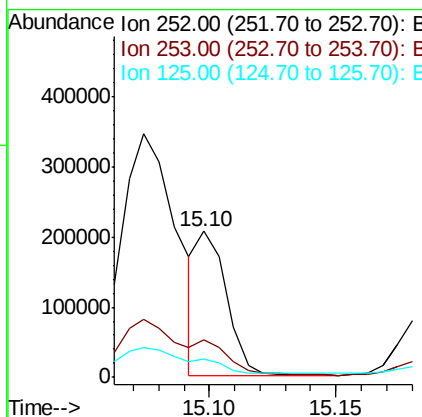
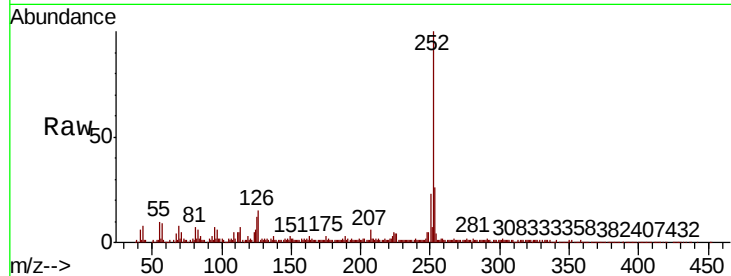
#89
Benzo(k)fluoranthene
Concen: 3.803 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Instrument :
BNA_F
ClientSampleId :
OR-02-083120

Tot Ion:	252	Resp:	162711
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.3	27.5
125	12.2	8.5	12.7

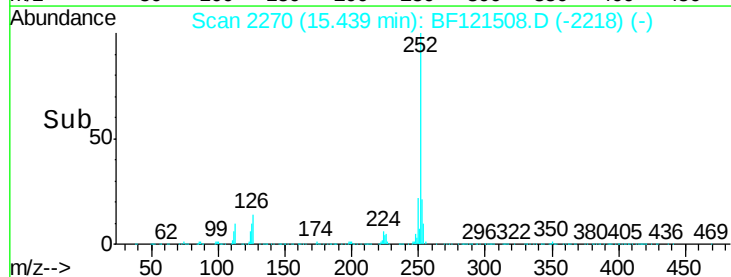
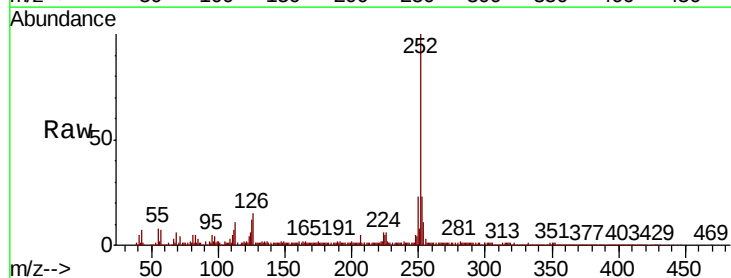
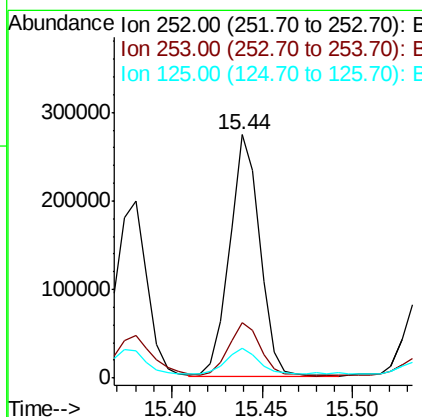
Manual Integrations
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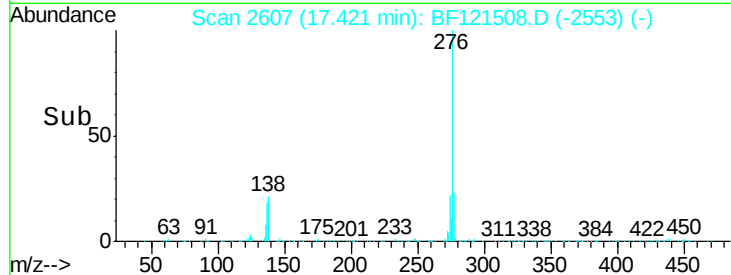
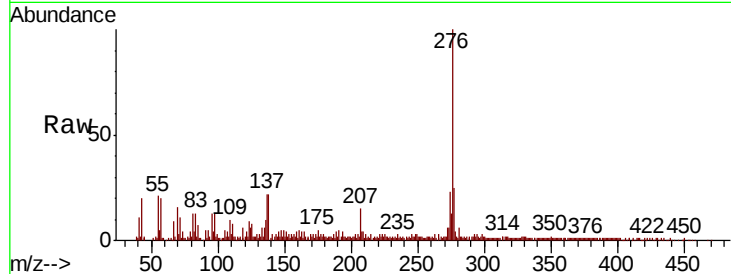
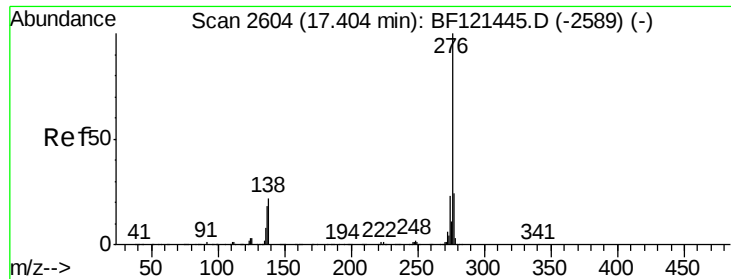
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#90
Benzo(a)pyrene
Concen: 7.640 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF121508.D
Acq: 1 Sep 2020 21:13

Tgt Ion:	252	Resp:	315962
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	12.3	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 4.735 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.02 min
 Lab File: BF121508.D
 Acq: 1 Sep 2020 21:13

Tot Ion:	276	Resp:	162430
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	22.4	17.4	26.0

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-083120

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