

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090920\
 Data File : BF121545.D
 Acq On : 9 Sep 2020 13:31
 Operator : JU/CG
 Sample : L3915-13DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-CDL

Manual Integrations
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Quant Time: Sep 14 08:18:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	306669	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1101799	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	576717	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1130895	20.00	ng	0.00
76) Chrysene-d12	14.00	240	923149	20.00	ng	-0.02
86) Perylene-d12	15.46	264	801592	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	323846	17.72	ng	-0.02
7) Phenol-d6	6.46	99	438690	17.17	ng	-0.02
23) Nitrobenzene-d5	7.40	82	292146	18.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	122962	21.11	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	507063	14.19	ng	-0.01
79) Terphenyl-d14	12.94	244	543122	12.38	ng	-0.01
Target Compounds						
31) Naphthalene	8.15	128	669800	12.245	ng	Qvalue # 96
37) 2-Methylnaphthalene	8.84	142	477133	13.165	ng	99
38) 1-Methylnaphthalene	8.94	142	1136478	33.210	ng	100
52) Acenaphthene	9.91	154	174210	5.142	ng	94
55) Dibenzofuran	10.09	168	212759m	4.323	ng	
58) Fluorene	10.43	166	303651	8.185	ng	# 94
71) Phenanthrene	11.39	178	1497938	25.811	ng	98
75) Fluoranthene	12.58	202	814746	13.026	ng	98
78) Pyrene	12.80	202	769742	11.675	ng	98
81) Benzo(a)anthracene	13.99	228	246692	4.378	ng	98
83) Chrysene	14.02	228	229963	4.079	ng	96
88) Benzo(b)fluoranthene	15.03	252	269636m	5.171	ng	
89) Benzo(k)fluoranthene	15.06	252	99491m	2.051	ng	
90) Benzo(a)pyrene	15.39	252	151171	3.224	ng	# 97
92) Benzo(a,h,i)perylene	17.33	276	147480	3.792	ng	99

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

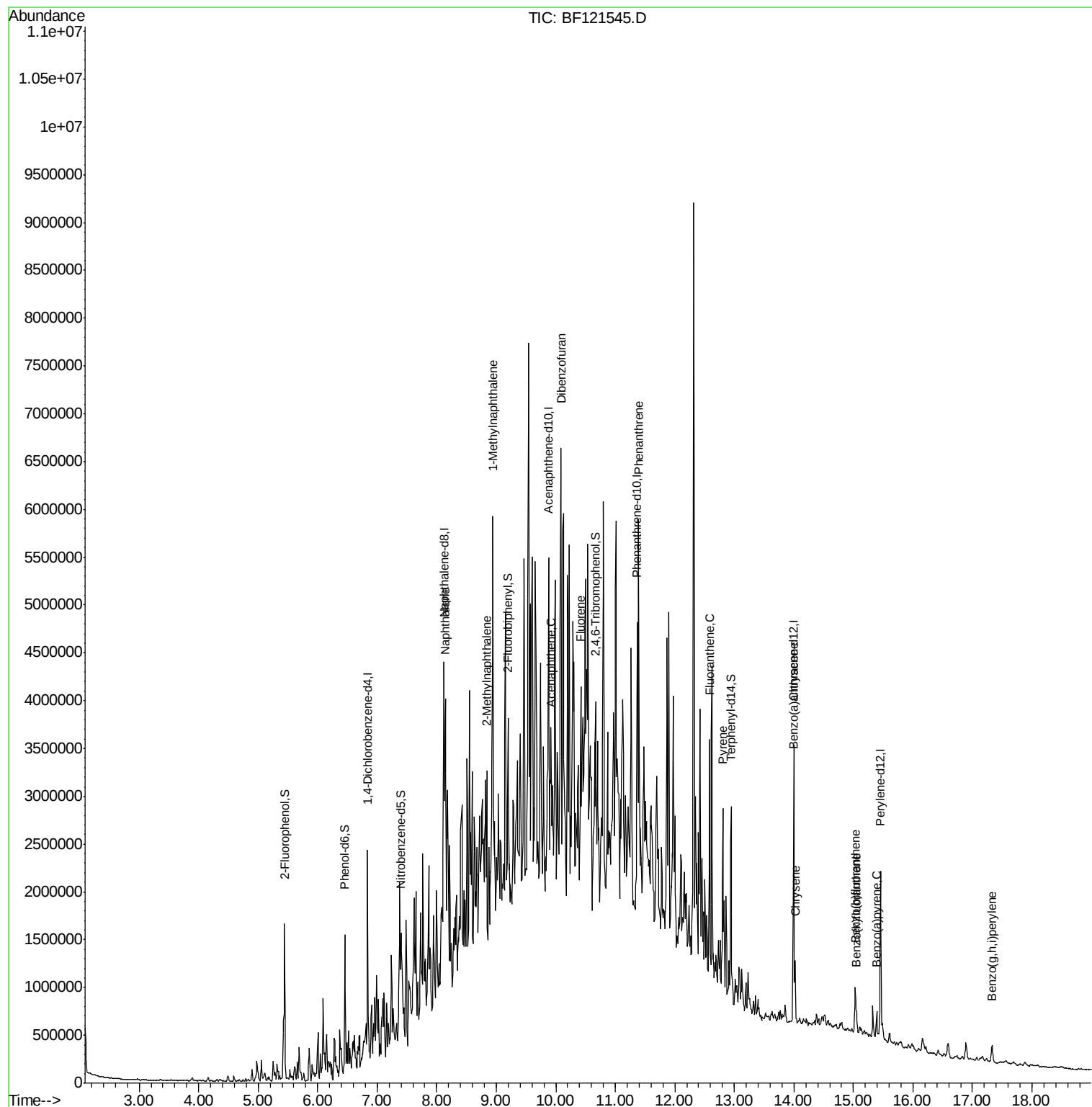
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090920\
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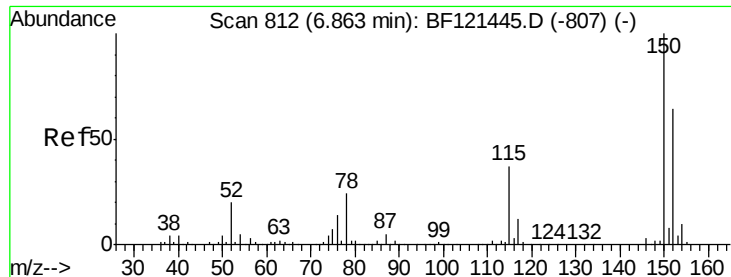
Instrument :
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#1

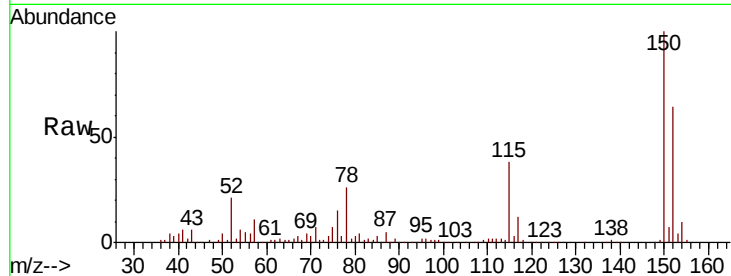
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.1	189.1
115	59.9	48.4	72.6

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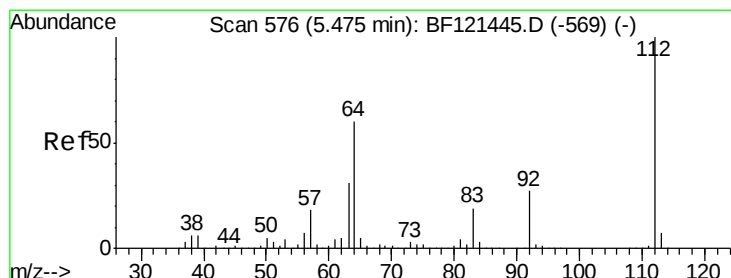
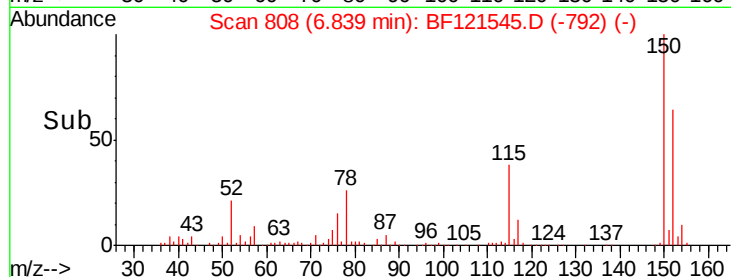
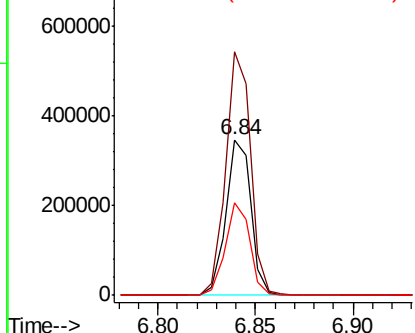


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

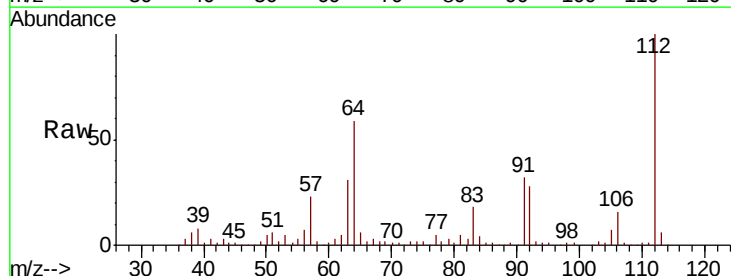
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.717 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.0	69.0
63	31.2	23.4	35.2

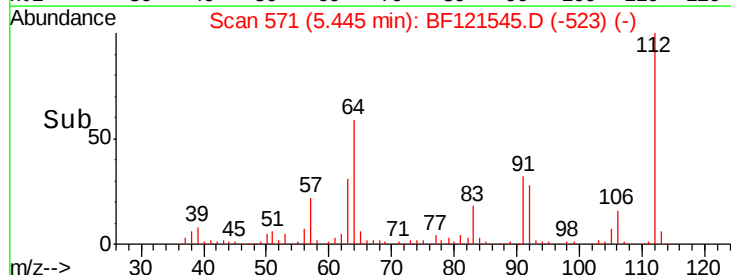
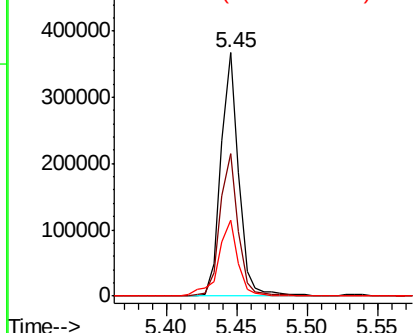


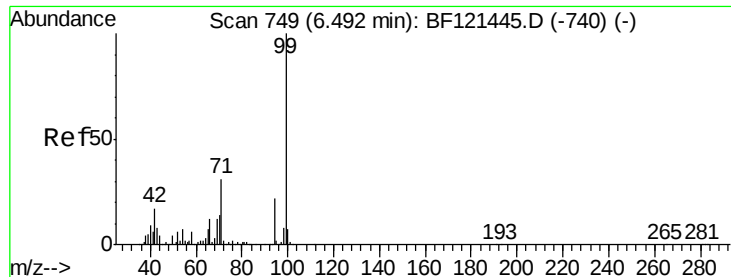
Abundance

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: 17.174 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

Instrument :

BNA_F

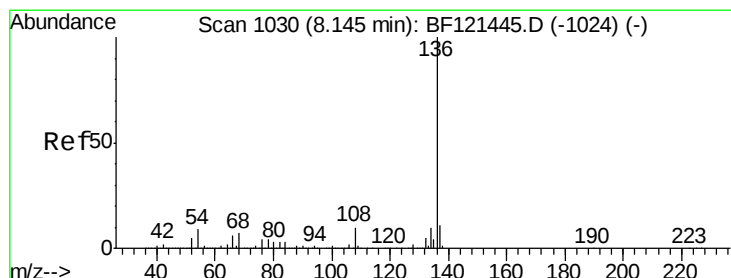
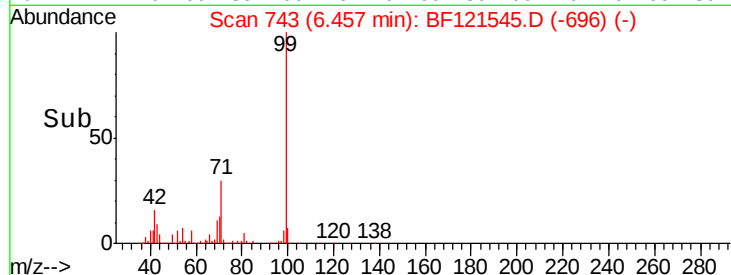
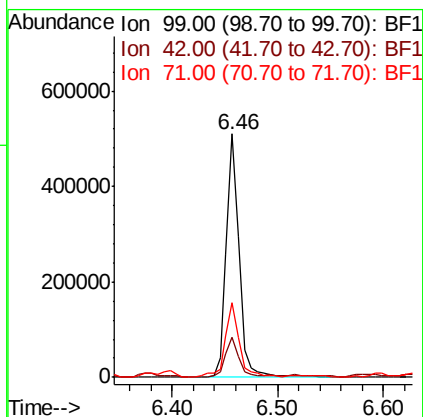
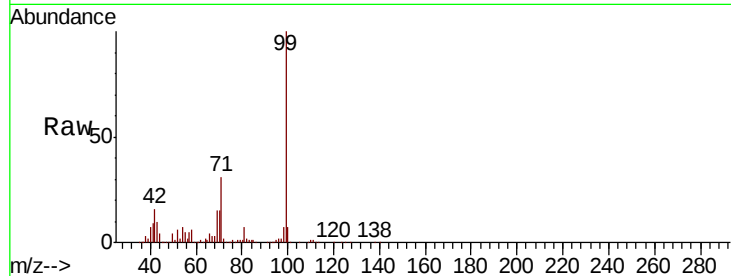
ClientSampleId :

WC-PM-A2-10-14-CDL

Tot Ion:	99	Resp:	438690
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.0	19.4
71	30.6	24.8	37.2

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#21

Naphthalene-d8

Concen: 20.000 ng

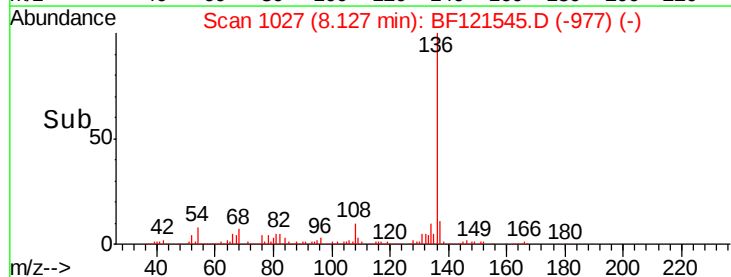
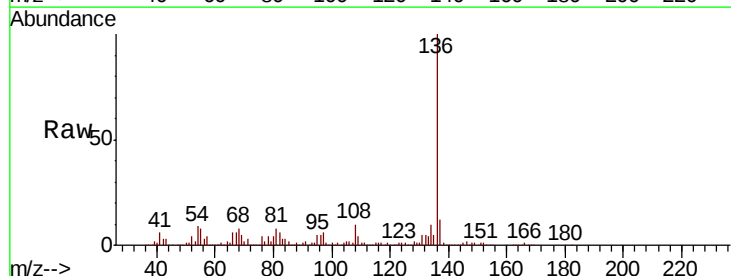
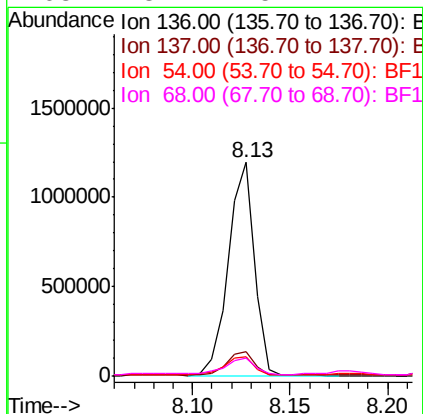
RT: 8.13 min Scan# 1027

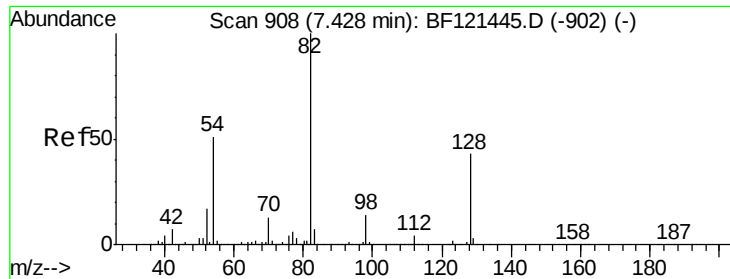
Delta R.T. -0.01 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

Tgt Ion:	136	Resp:	1101799
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	8.9	6.2	9.4
68	8.1	5.1	7.7#





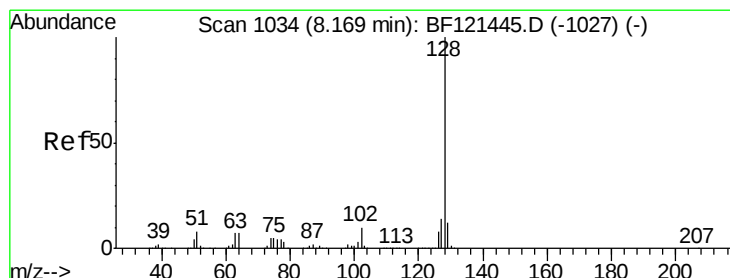
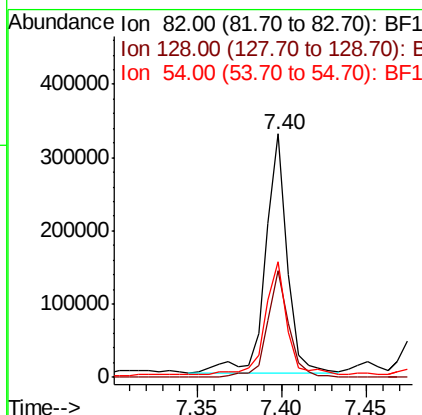
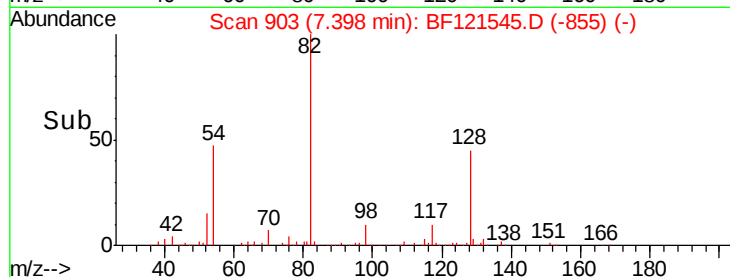
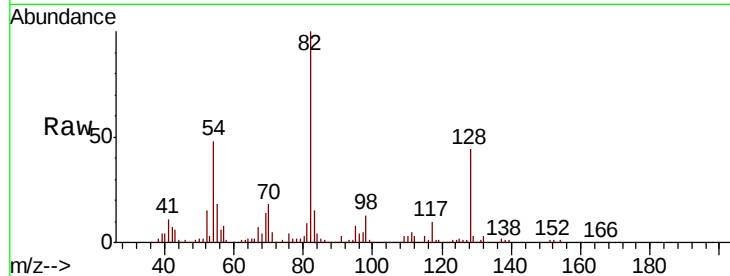
#23
Nitrobenzene-d5
Concen: 18.127 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	82	Resp	292146
Ion	Ratio	Lower	Upper
82	100		
128	43.7	37.3	55.9
54	47.5	39.0	58.6

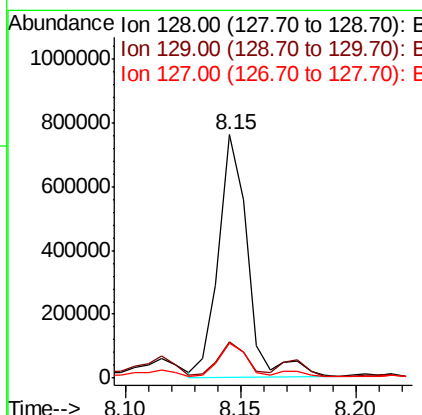
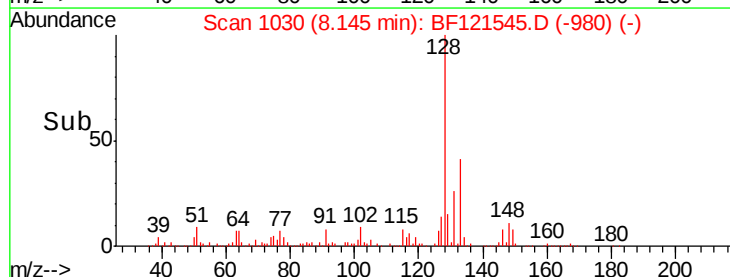
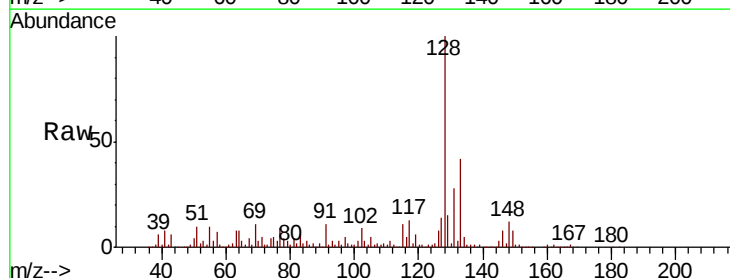
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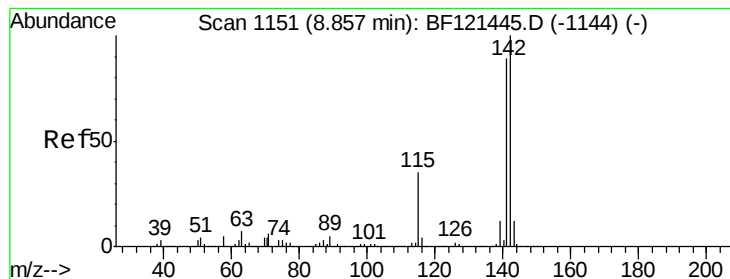
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#31
Naphthalene
Concen: 12.245 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	128	Resp	669800
Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.7	14.5#
127	14.4	11.1	16.7





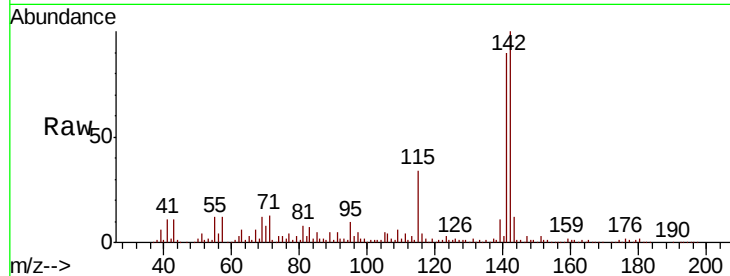
#37
 2-Methylnaphthalene
 Concen: 13.165 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF121545.D
 Acq: 9 Sep 2020 13:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-CDL

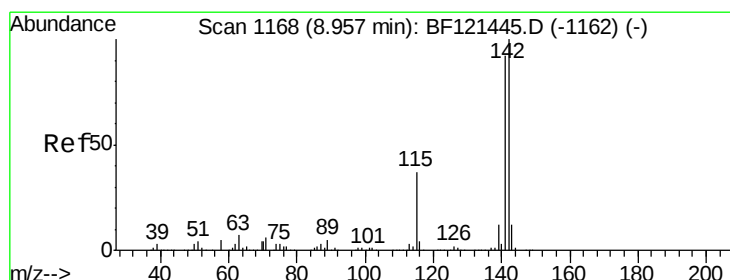
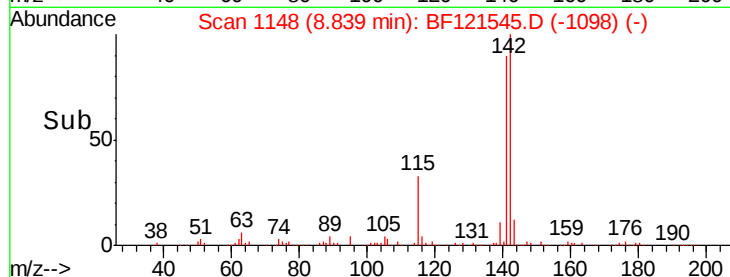
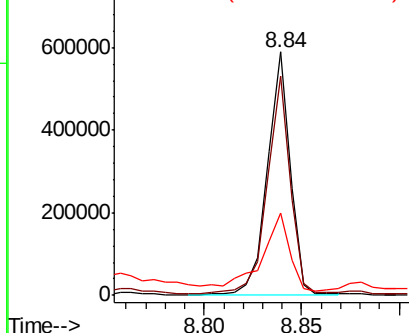
Tot Ion	Ratio	Resp	Lower	Upper
142	100	477133		
141	90.2	71.9	107.9	
115	33.8	27.7	41.5	

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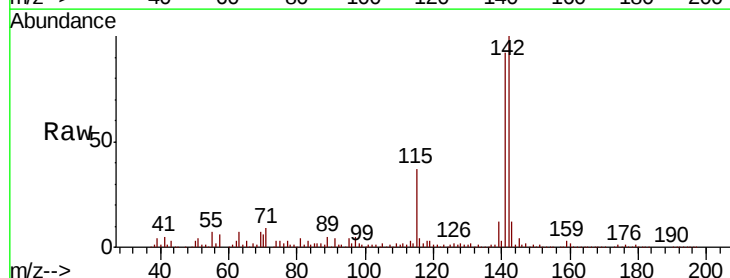


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

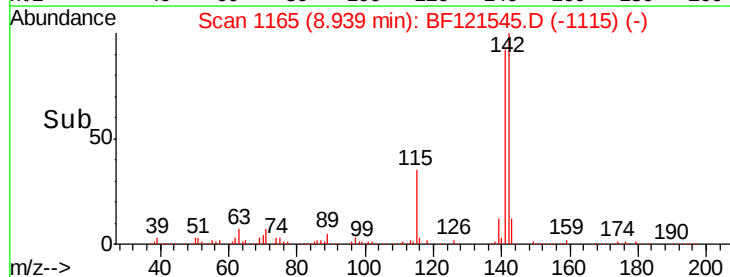
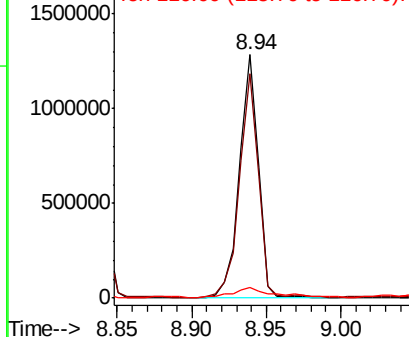


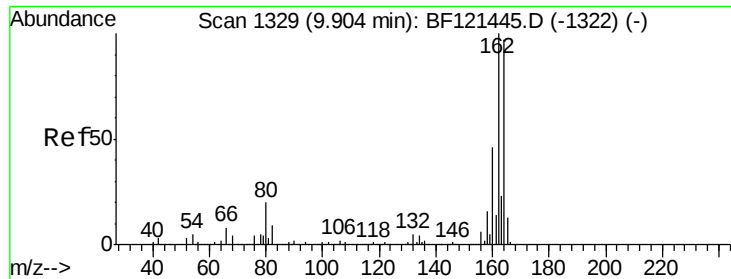
#38
 1-Methylnaphthalene
 Concen: 33.210 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF121545.D
 Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1136478		
141	92.3	73.7	110.5	
116	4.3	3.0	4.4	



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





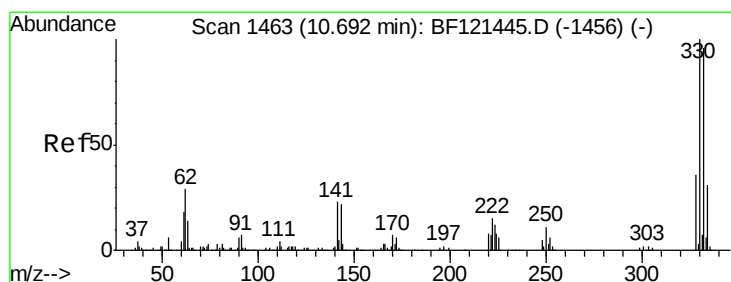
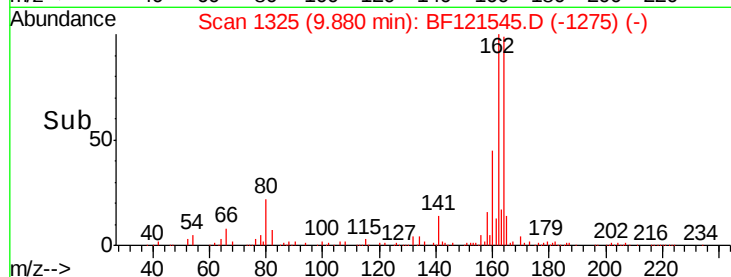
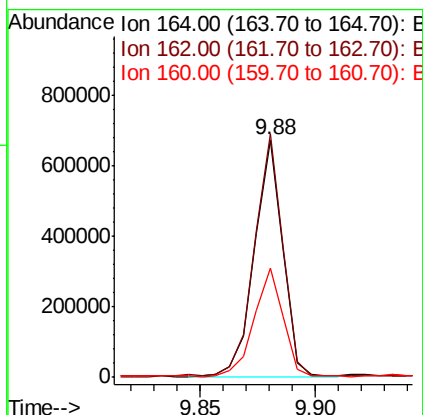
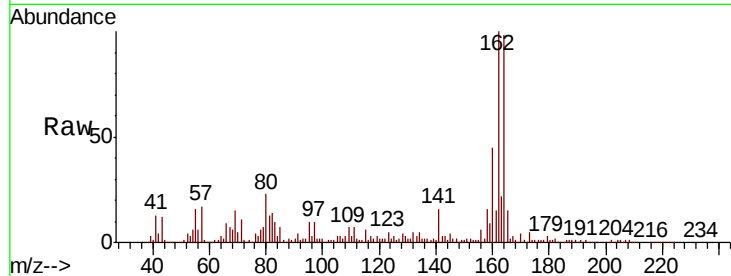
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	80.5	120.7	
160	46.0	36.2	54.4	

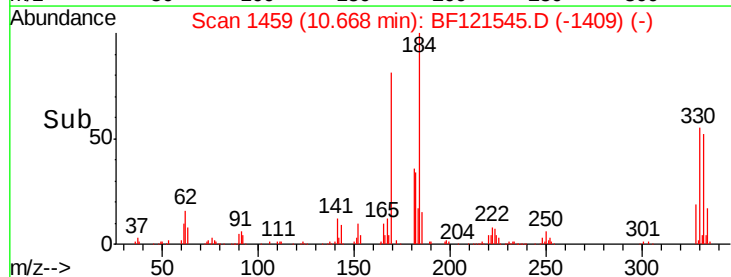
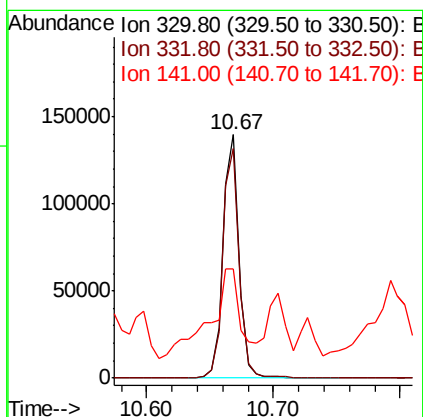
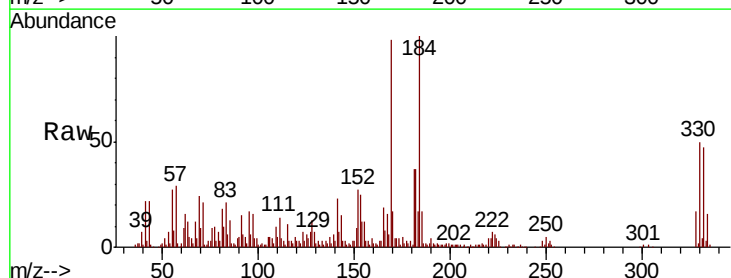
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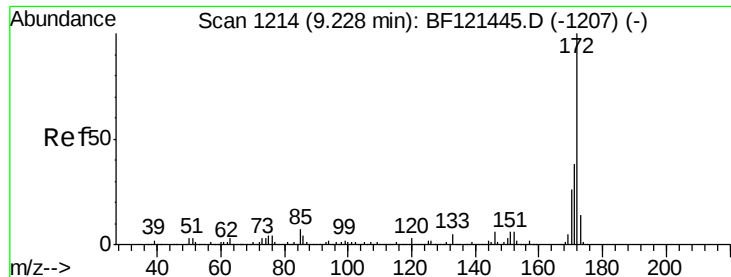
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#42
2,4,6-Tribromophenol
Concen: 21.109 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.2	114.2	
141	70.1	22.6	34.0	





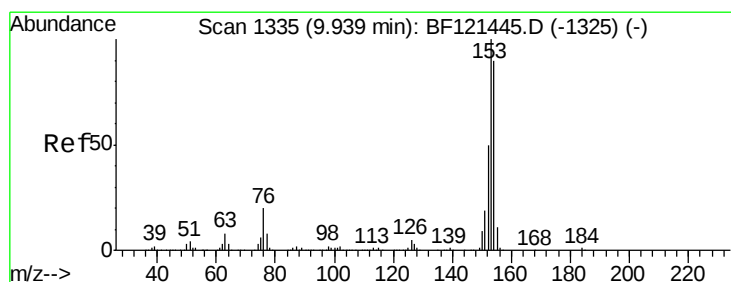
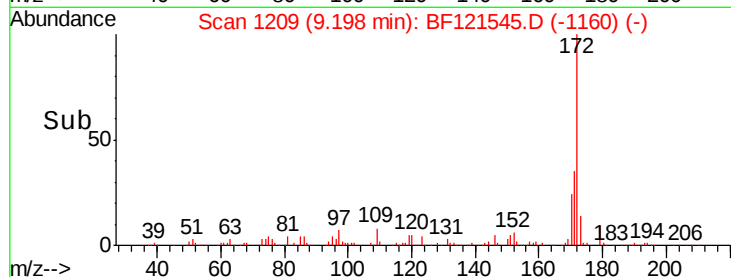
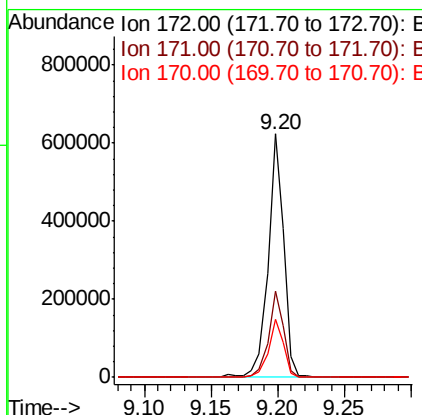
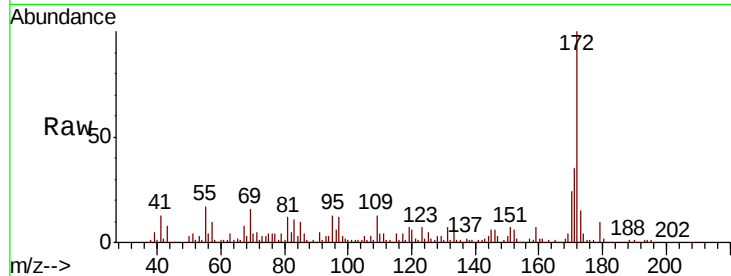
#45
2-Fluorobiphenyl
Concen: 14.187 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.4	45.6
170	23.8	20.7	31.1

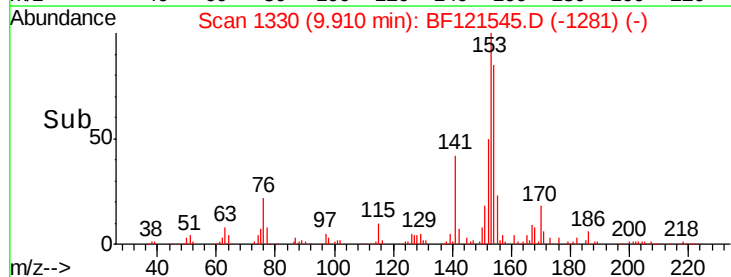
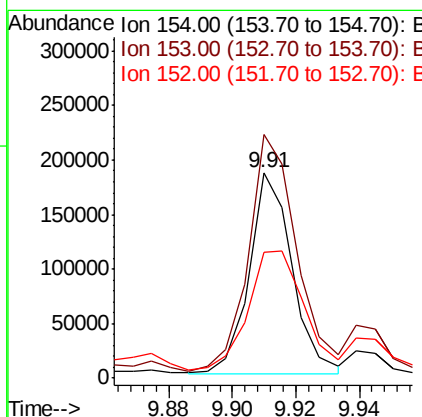
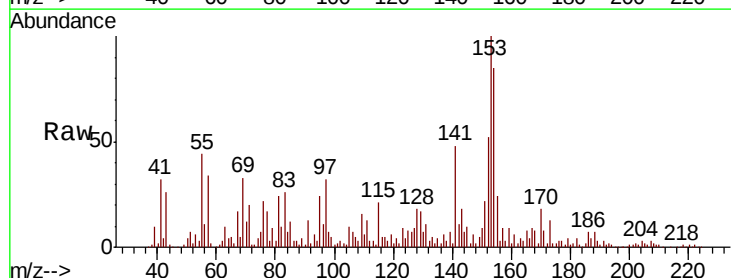
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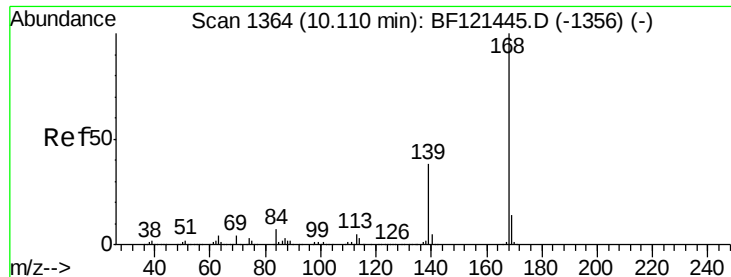
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#52
Acenaphthene
Concen: 5.142 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.3	89.9	134.9
152	61.1	44.6	66.8





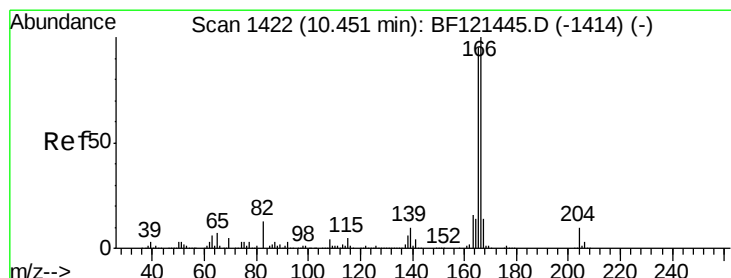
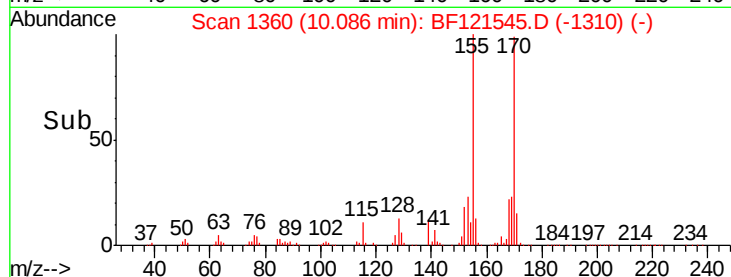
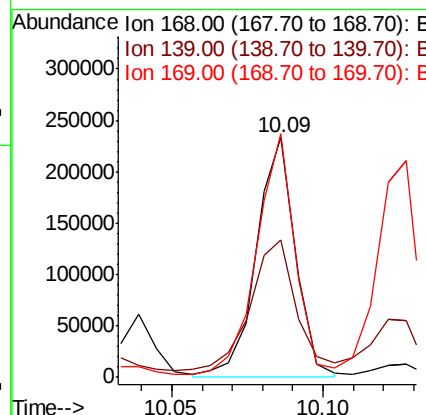
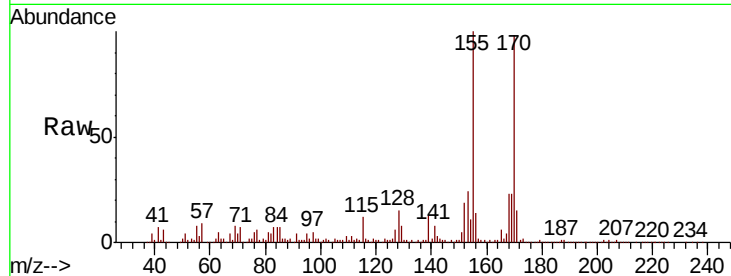
#55
Dibenzofuran
Concen: 4.323 ng m
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	57.6	30.4	45.6#
169	101.7	11.5	17.3#

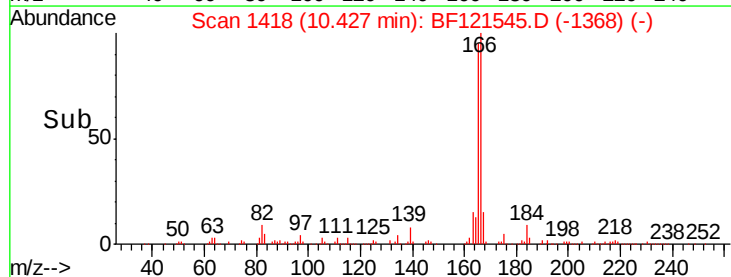
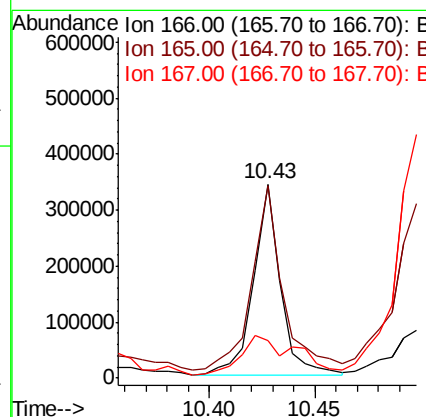
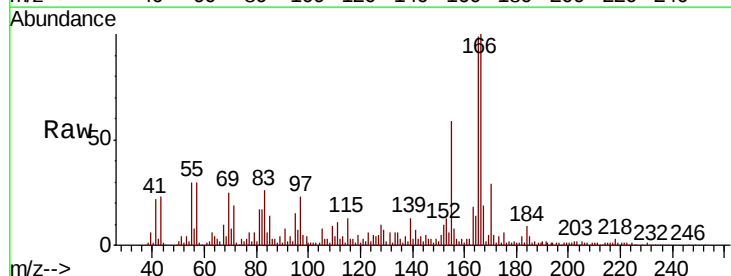
Manual Integrations
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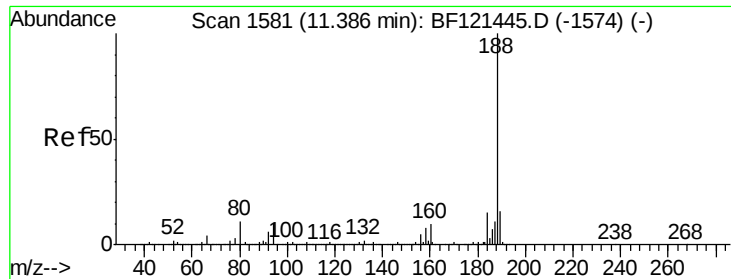
mohammad
9/10/2020 1:05:25 PM



#58
Fluorene
Concen: 8.185 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	75.3	112.9
167	19.4	11.1	16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

Instrument :

BNA_F

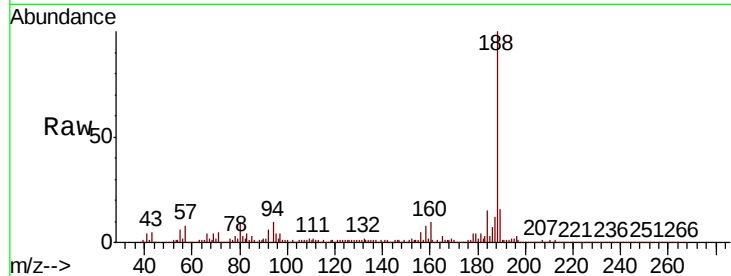
ClientSampleId :

WC-PM-A2-10-14-CDL

Tot Ion:	188	Resp:	1130895
Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.8	13.2
80	10.3	9.1	13.7

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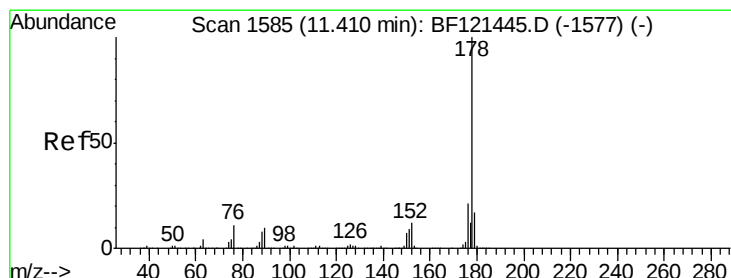
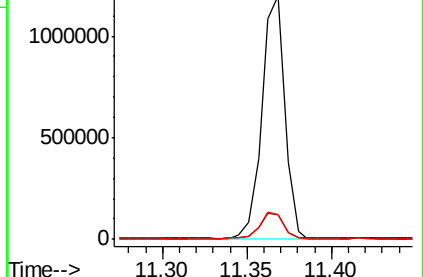
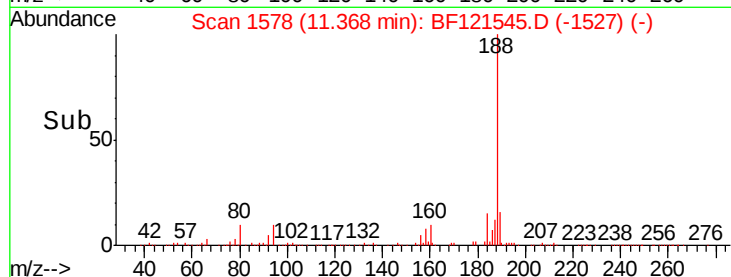
mohammad
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 25.811 ng

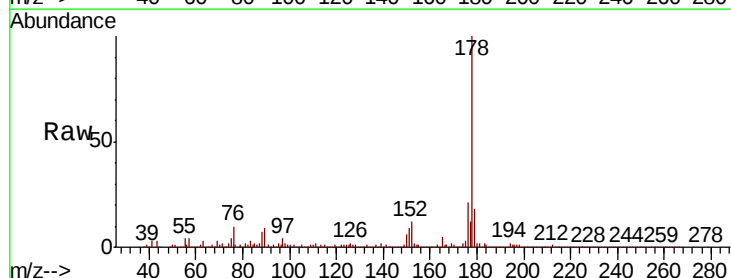
RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

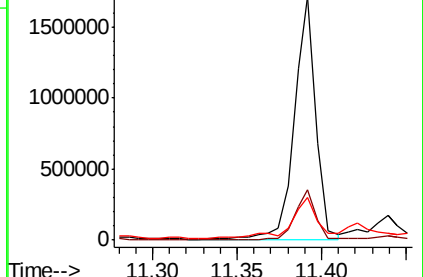
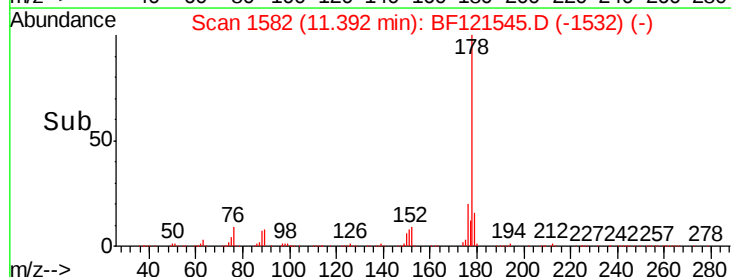
Tgt Ion:	178	Resp:	1497938
Ion	Ratio	Lower	Upper
178	100		
176	20.5	17.0	25.4
179	17.8	13.2	19.8

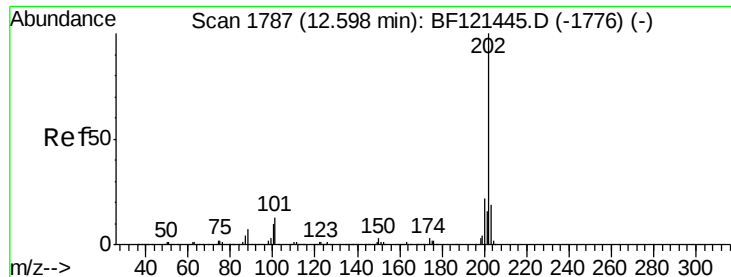


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.026 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

Instrument :

BNA_F

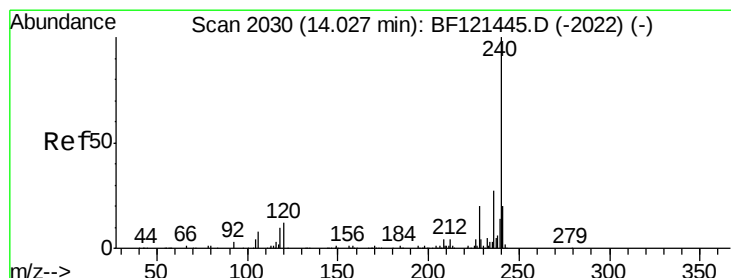
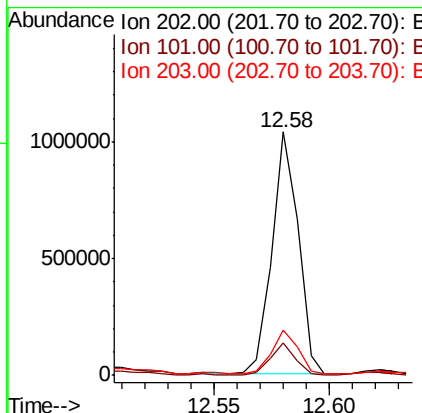
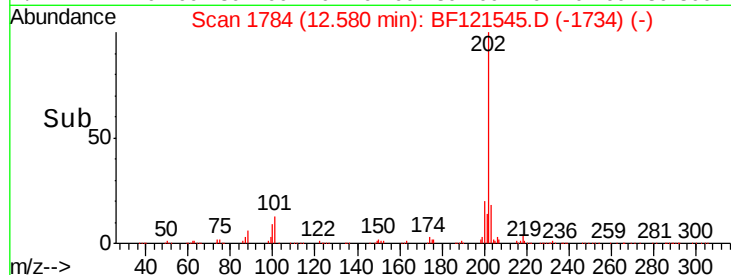
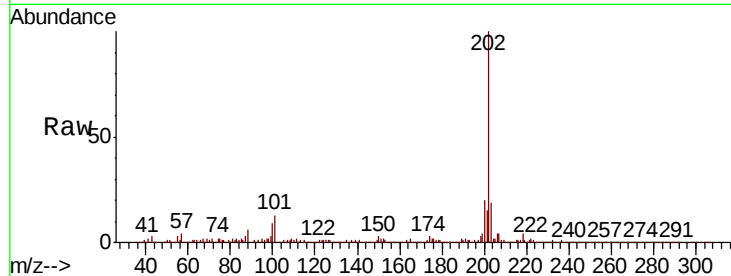
ClientSampleId :

WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	814746		
101	13.1	0.0	31.6	
203	18.5	0.0	38.5	

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#76

Chrysene-d12

Concen: 20.000 ng

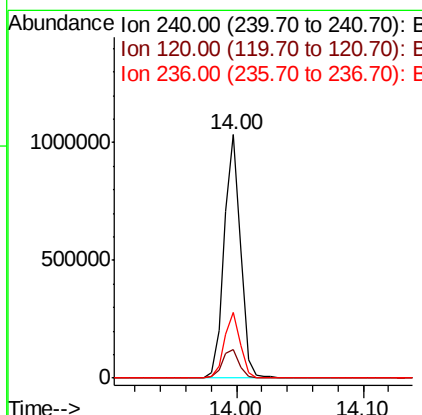
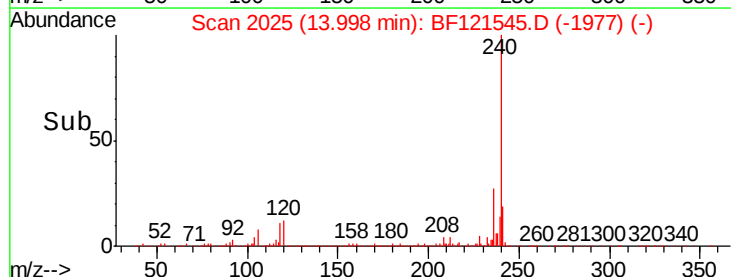
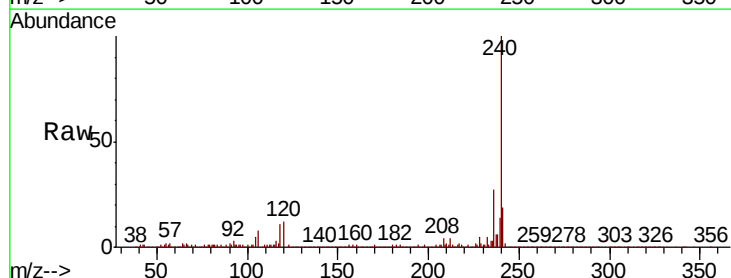
RT: 14.00 min Scan# 2025

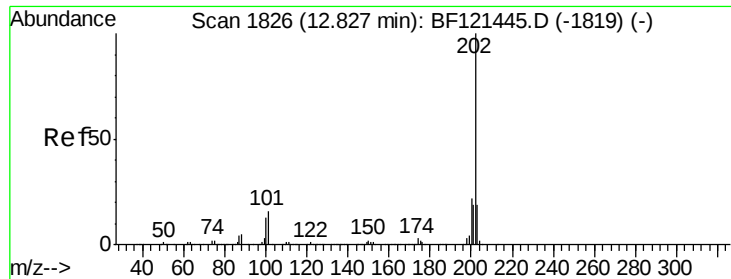
Delta R.T. -0.02 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	923149		
120	11.9	8.0	12.0	
236	26.8	21.4	32.2	





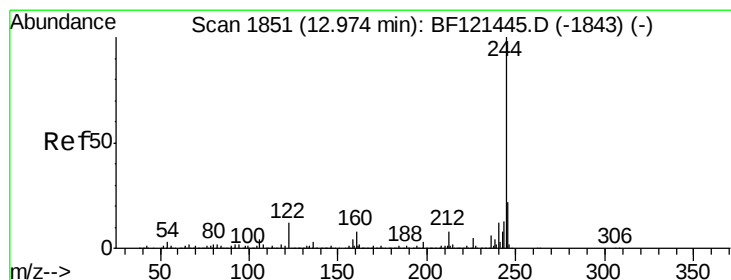
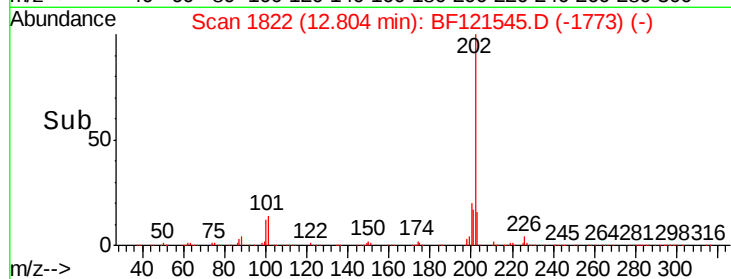
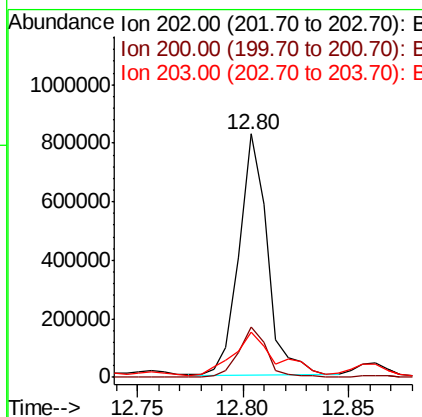
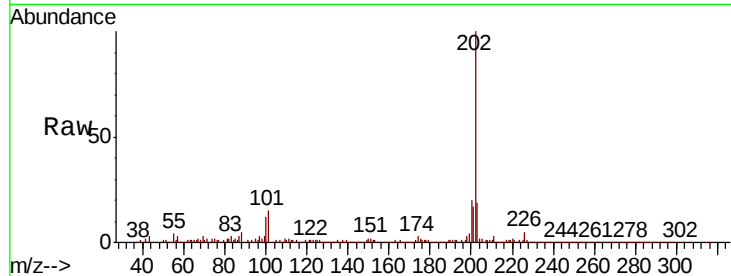
#78
Pvrene
Concen: 11.675 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.7	26.5
203	18.5	15.0	22.4

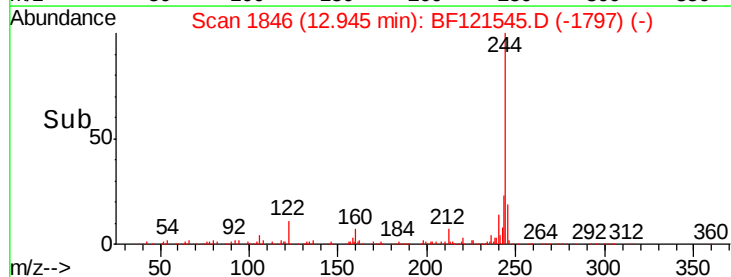
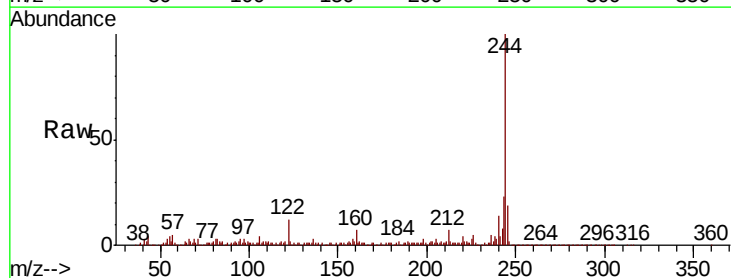
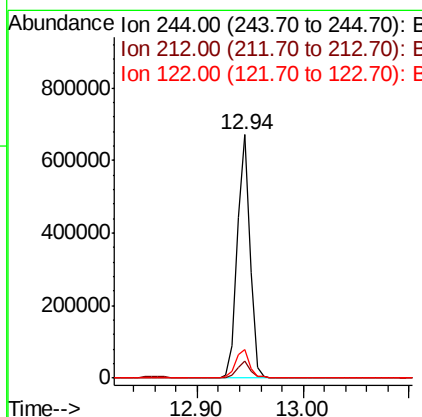
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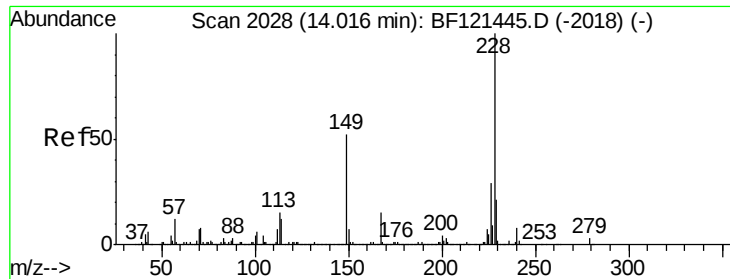
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#79
Terphenyl-d14
Concen: 12.384 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.6	9.3	13.9





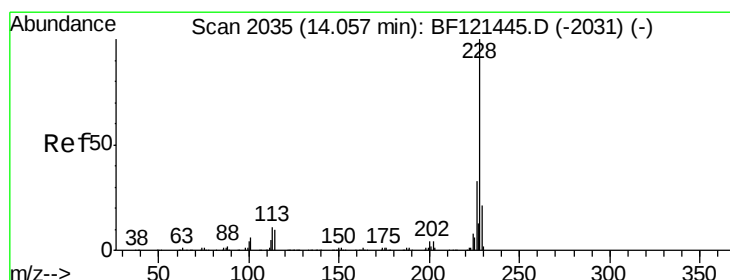
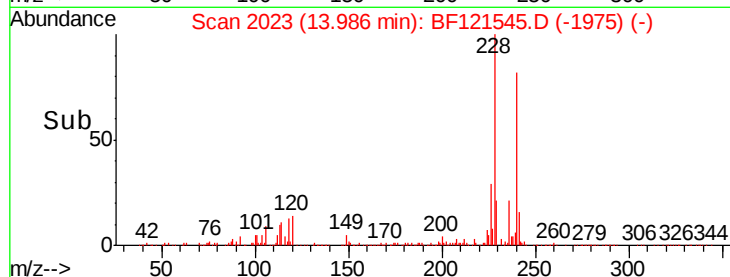
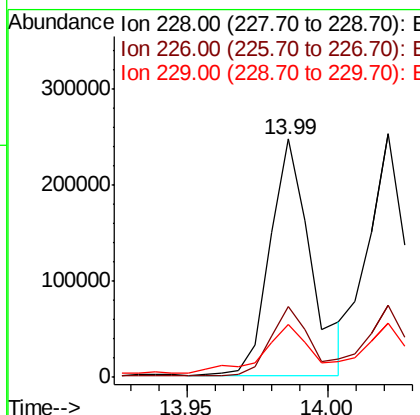
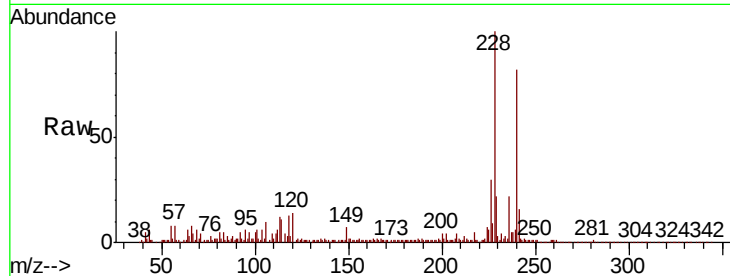
#81
Benzo(a)anthracene
Concen: 4.378 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.3	34.9
229	22.1	16.4	24.6

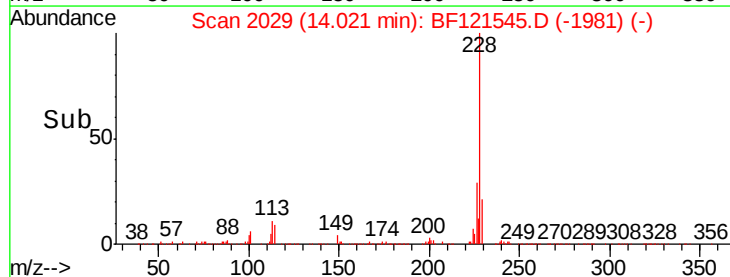
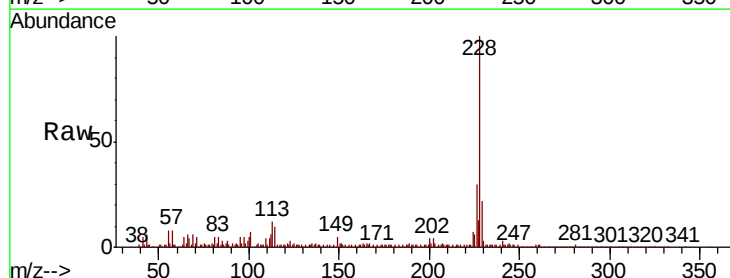
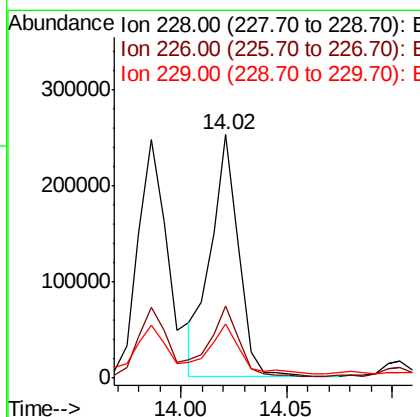
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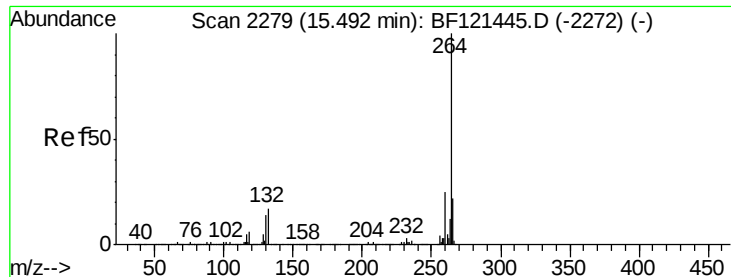
mohammad
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#83
Chrysene
Concen: 4.079 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	26.5	39.7
229	22.1	17.1	25.7





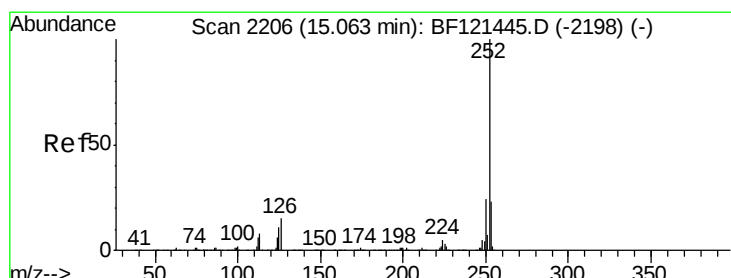
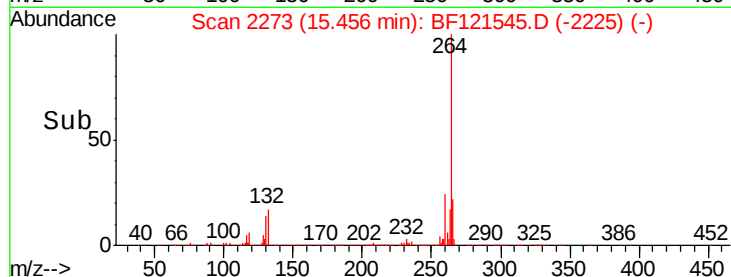
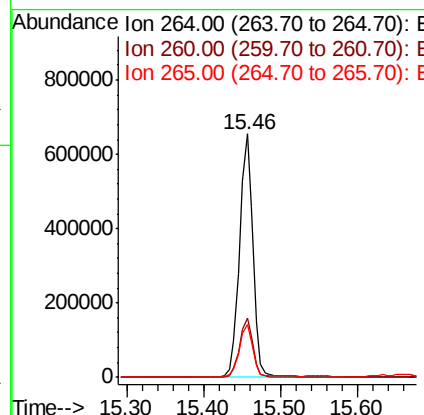
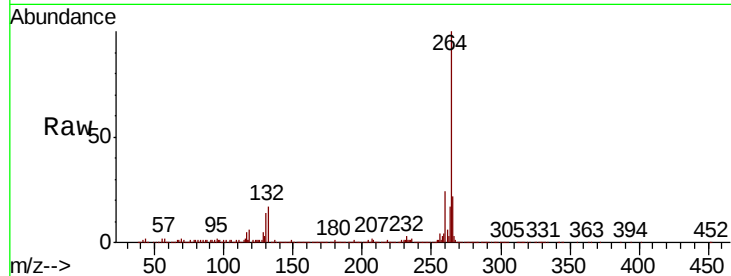
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	21.9	17.4	26.2

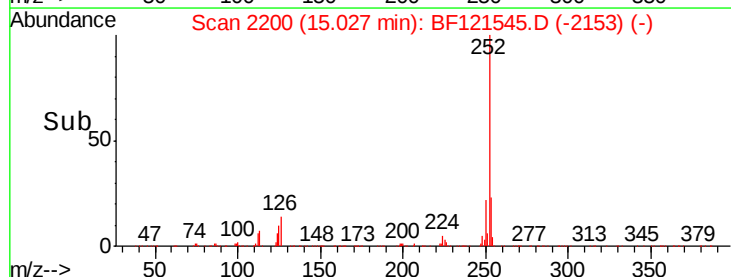
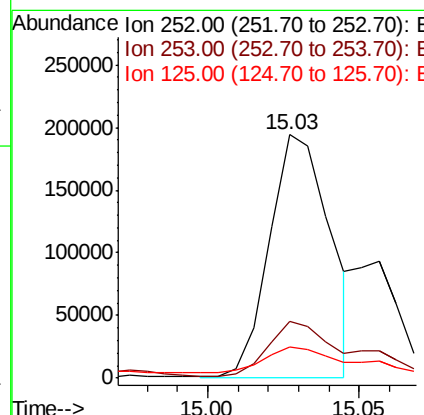
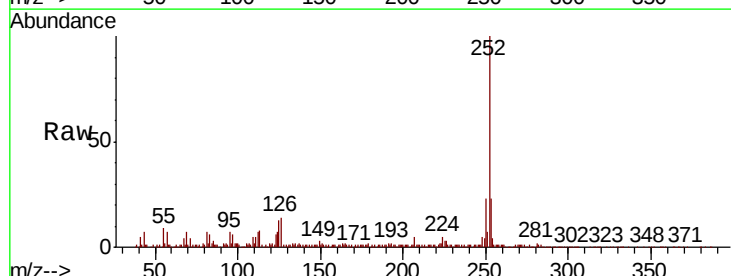
Manual Integrations
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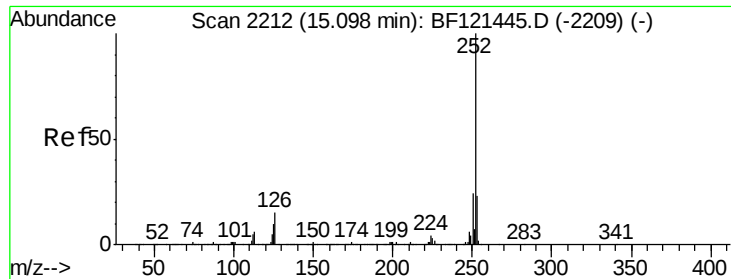
mohammad
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#88
Benzo(b)fluoranthene
Concen: 5.171 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	12.8	8.2	12.2#





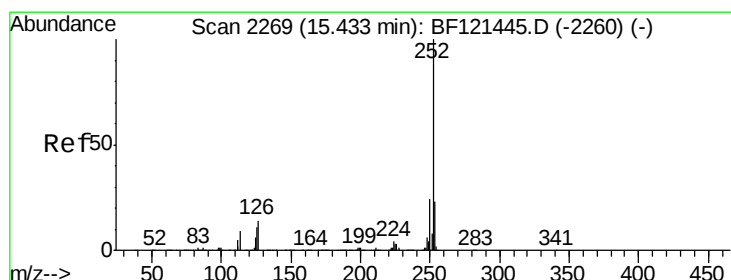
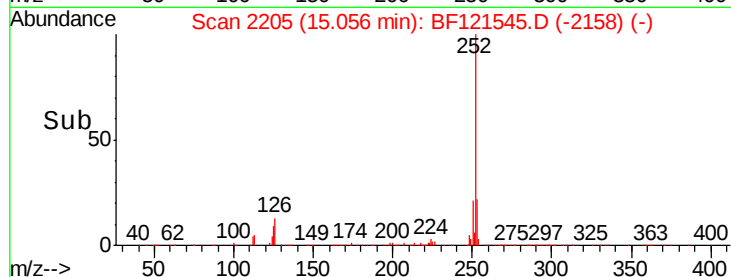
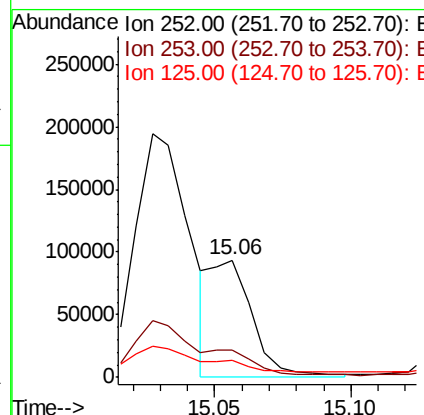
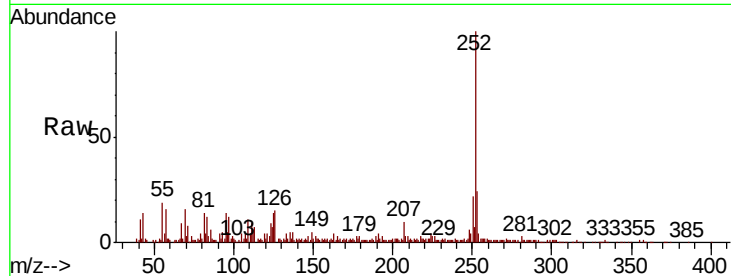
#89
Benzo(k)fluoranthene
Concen: 2.051 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Instrument :
BNA_F
ClientSampled :
WC-PM-A2-10-14-CDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	14.4	8.6	13.0

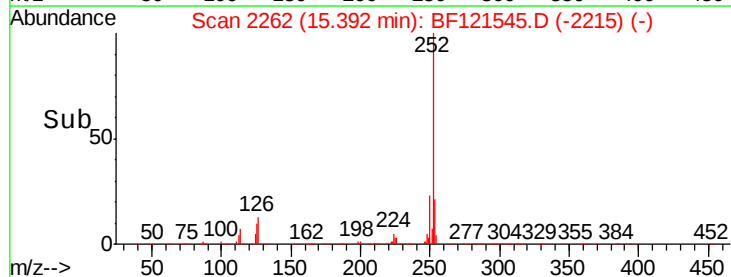
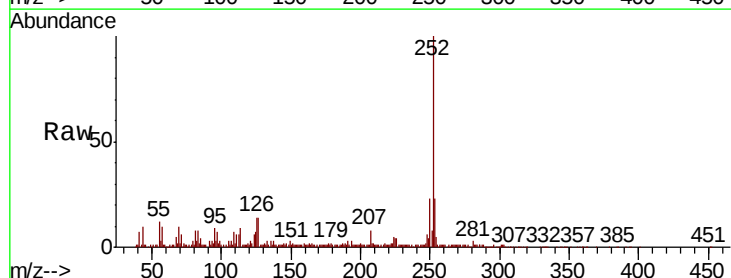
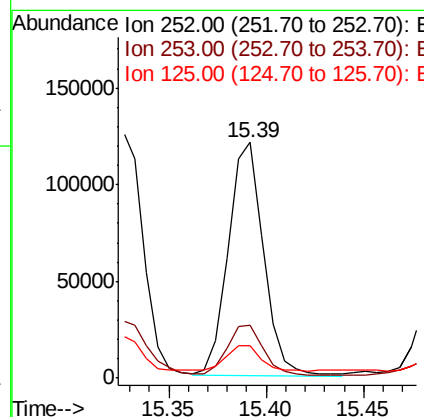
Manual Integrations
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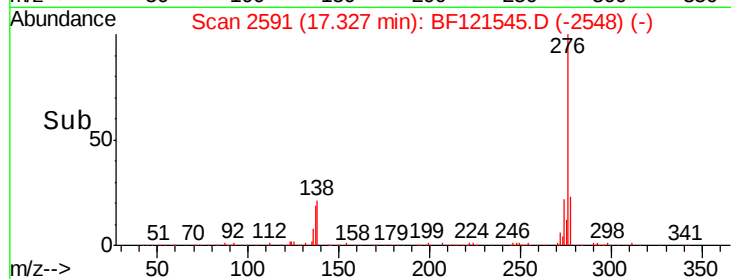
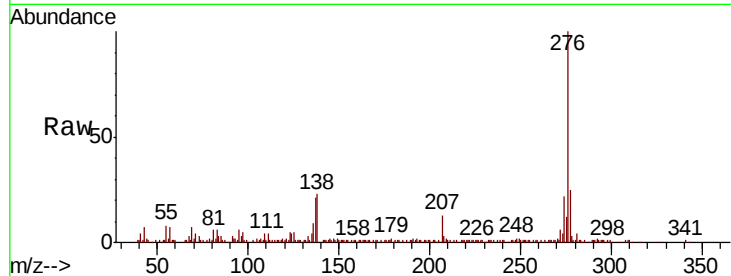
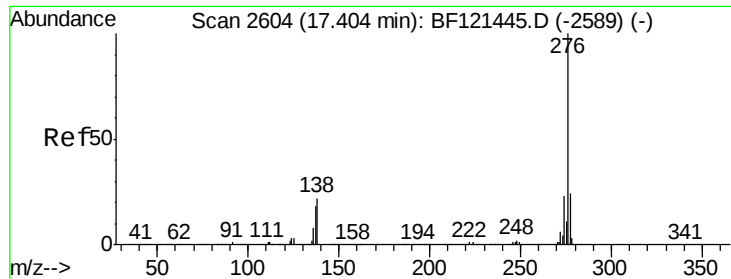
mohammad
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#90
Benzo(a)pyrene
Concen: 3.224 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.02 min
Lab File: BF121545.D
Acq: 9 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	13.6	8.8	13.2





#92

Benzo(a,h,i)perylene

Concen: 3.792 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.05 min

Lab File: BF121545.D

Acq: 9 Sep 2020 13:31

Tot Ion:	276	Resp:	147480
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.3	28.9
138	22.7	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

WC-PM-A2-10-14-CDL

Manual Integrations
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