

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121123.D
 Acq On : 30 Jul 2020 2:04
 Operator : JU/CG
 Sample : L3436-16 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 16

Manual Integrations
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Quant Time: Jul 30 04:27:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	159371	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	564840	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	280524	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	491425	20.00	ng	0.01
76) Chrysene-d12	13.97	240	403877	20.00	ng	0.01
86) Perylene-d12	15.43	264	314780	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	136335	14.02	ng	0.00
7) Phenol-d6	6.45	99	168068	13.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	90797	9.30	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	36587	11.92	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	211485	11.26	ng	0.00
79) Terphenyl-d14	12.92	244	201713	10.86	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.12	128	66804	2.306	ng	99
49) Acenaphthylene	9.70	152	58878	2.172	ng	98
50) Dimethylphthalate	9.56	163	45237	2.235	ng	# 99
58) Fluorene	10.39	166	43513	2.341	ng	98
71) Phenanthrene	11.36	178	290867	11.508	ng	99
72) Anthracene	11.40	178	114721	4.520	ng	97
75) Fluoranthene	12.54	202	475792	16.984	ng	98
78) Pyrene	12.77	202	489295	17.136	ng	98
81) Benzo(a)anthracene	13.96	228	208034	8.506	ng	95
83) Chrysene	14.00	228	188418	7.331	ng	96
84) Bis(2-ethylhexyl)phthalate	13.95	149	43144	2.749	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.87	276	63602	2.905	ng	98
88) Benzo(b)fluoranthene	15.01	252	180363m	9.479	ng	
89) Benzo(k)fluoranthene	15.03	252	42236m	2.434	ng	
90) Benzo(a)pyrene	15.37	252	119478	6.882	ng	# 92
92) Benzo(g,h,i)perylene	17.30	276	62131	3.524	ng	96

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

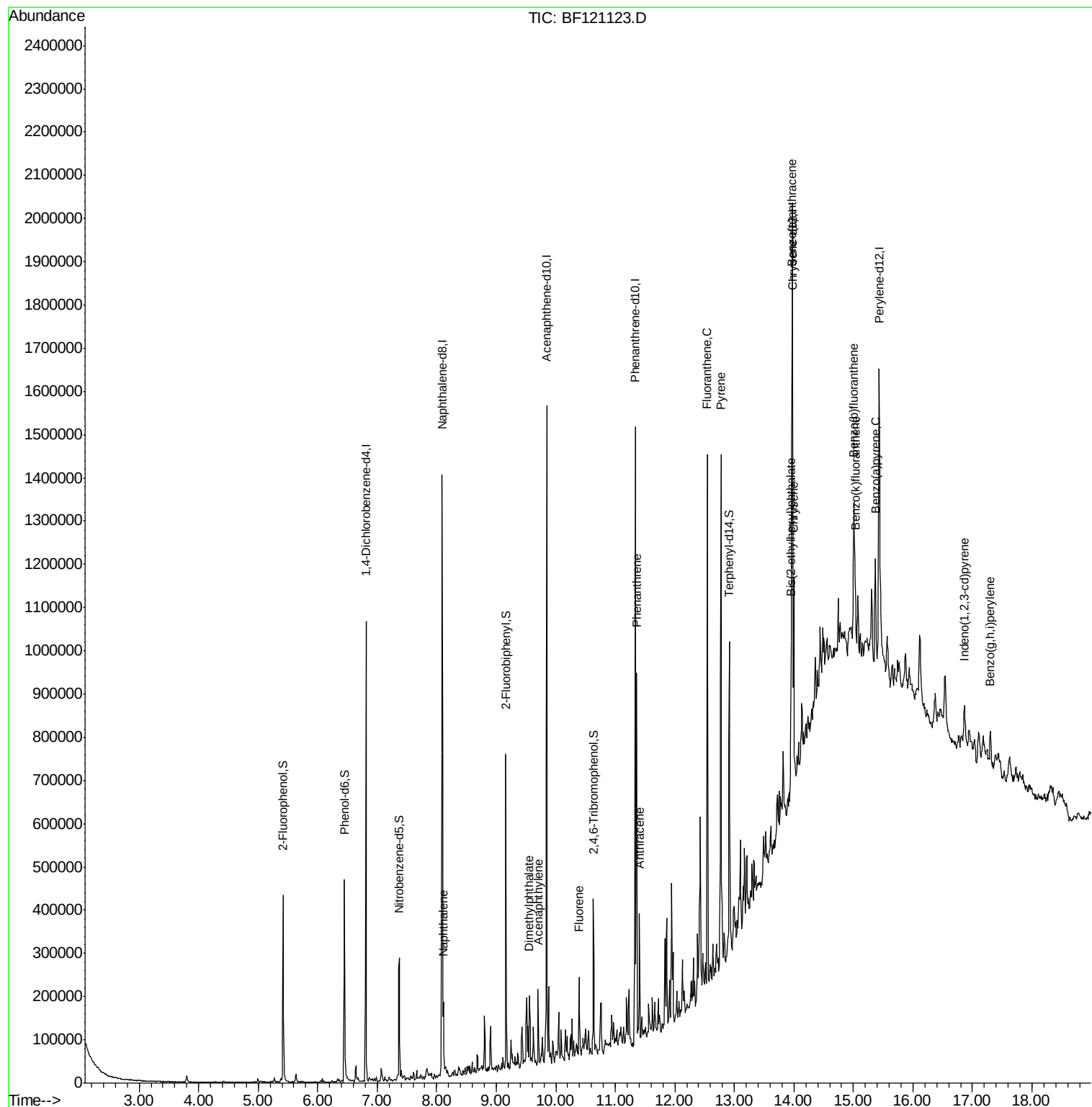
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

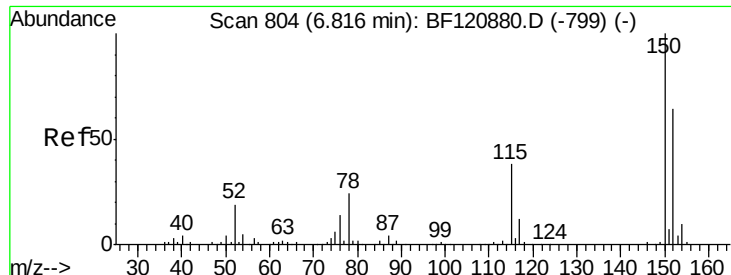
Instrument :
BNA_F
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16

Quant Time: Jul 30 04:27:59 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
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#1

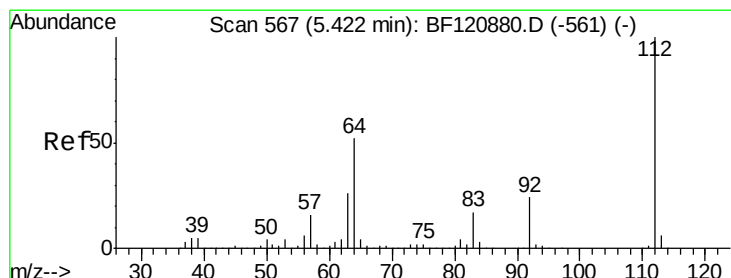
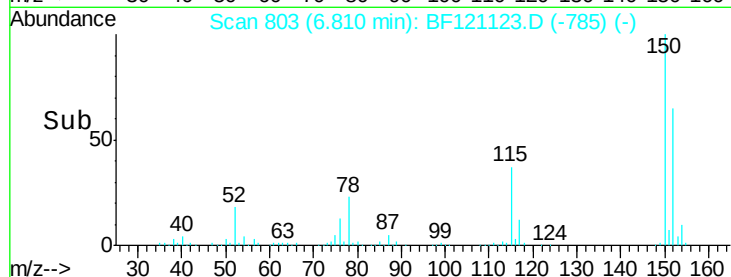
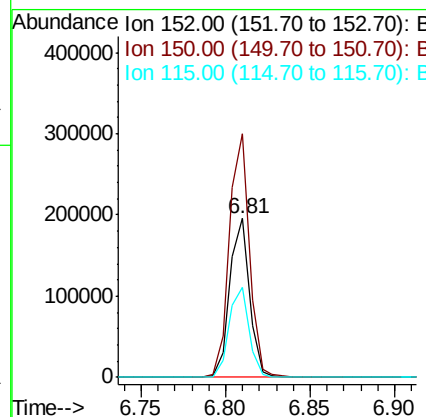
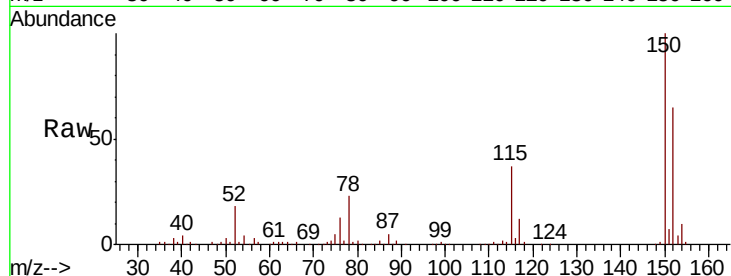
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.6	188.4
115	56.5	46.2	69.2

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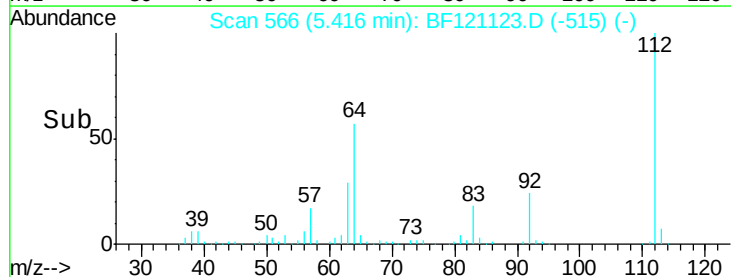
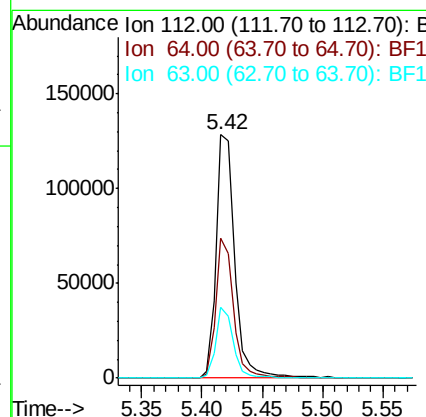
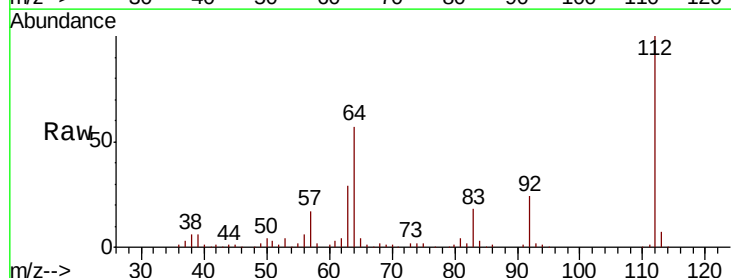
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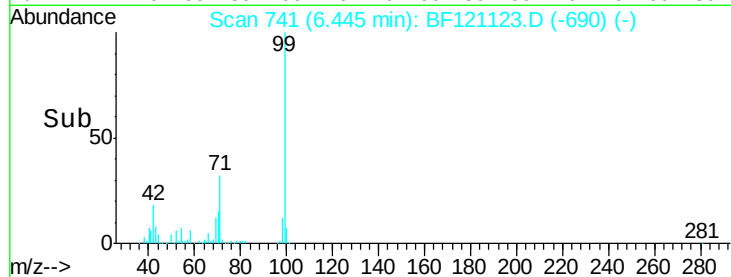
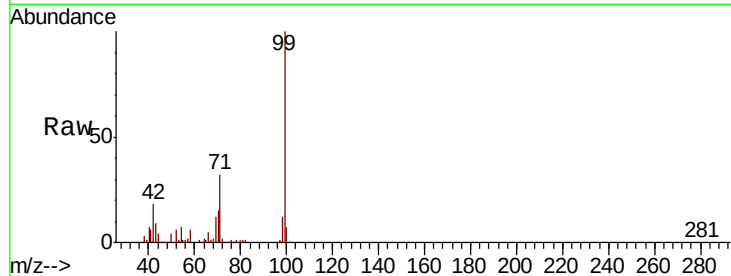
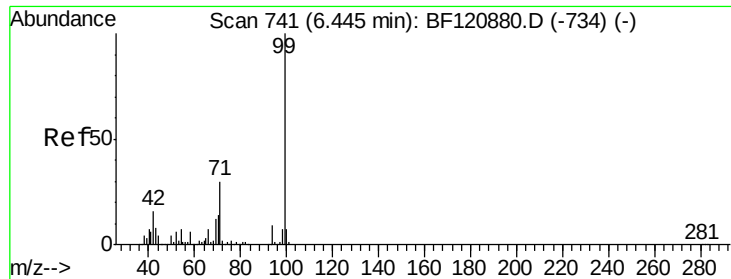


#5

2-Fluorophenol
Concen: 14.024 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	43.9	65.9
63	29.3	22.7	34.1





#7

Phenol-d6

Concen: 13.384 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF121123.D

Acq: 30 Jul 2020 2:04

Tot Ion:	99	Resp:	168068
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	31.5	25.0	37.4

Instrument :

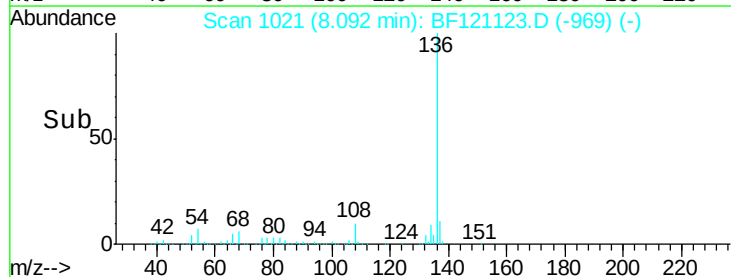
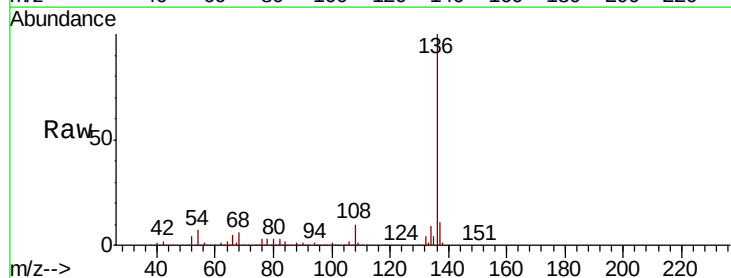
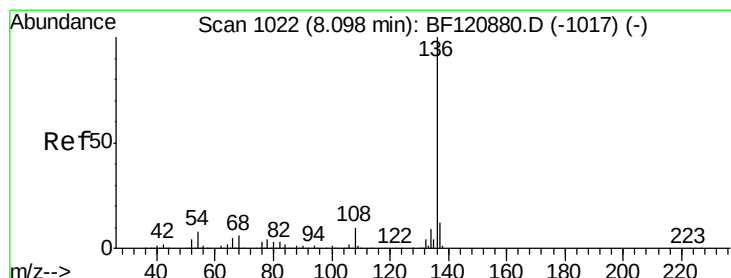
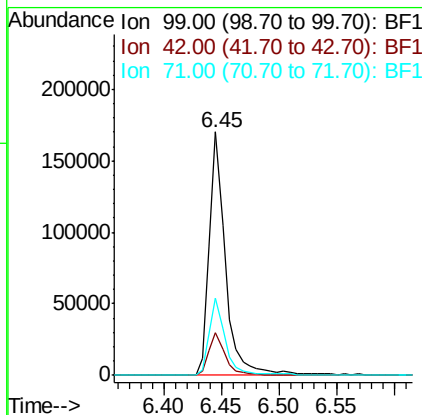
BNA_F

ClientSampled :

16

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#21

Naphthalene-d8

Concen: 20.000 ng

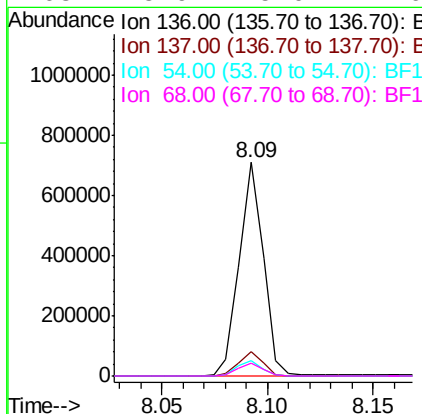
RT: 8.09 min Scan# 1021

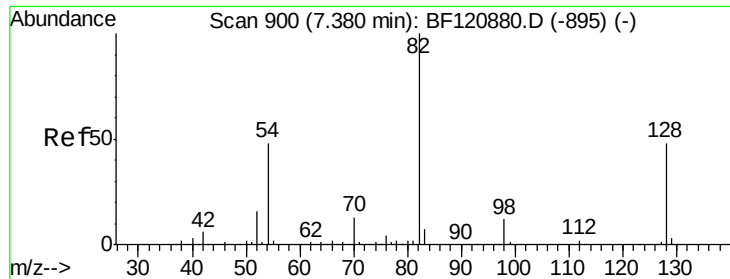
Delta R.T. 0.01 min

Lab File: BF121123.D

Acq: 30 Jul 2020 2:04

Tgt Ion:	136	Resp:	564840
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.3	6.1	9.1
68	5.9	5.0	7.6





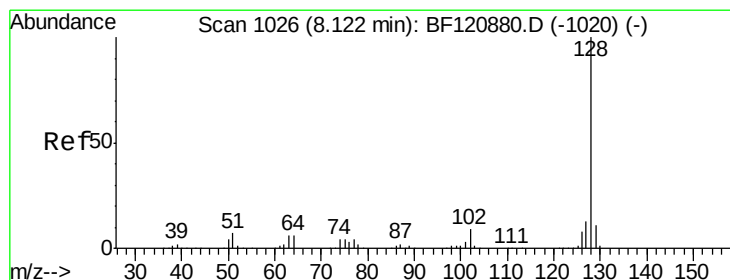
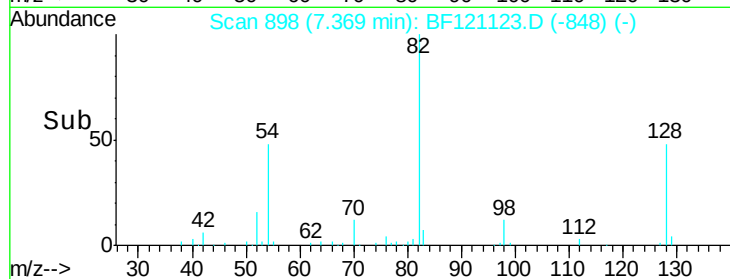
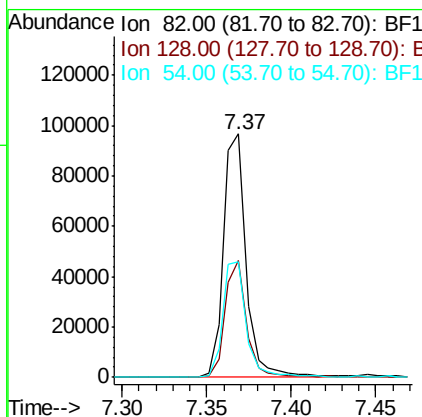
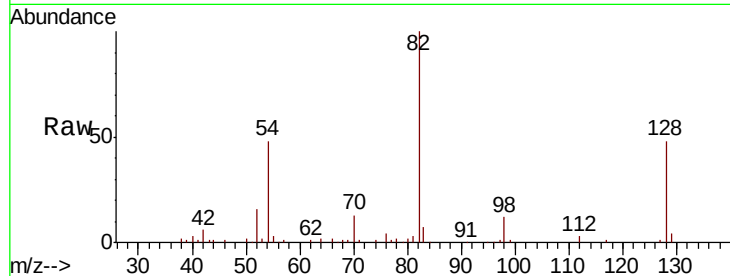
#23
Nitrobenzene-d5
Concen: 9.301 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampled :
16

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	39.2	58.8
54	47.7	37.8	56.8

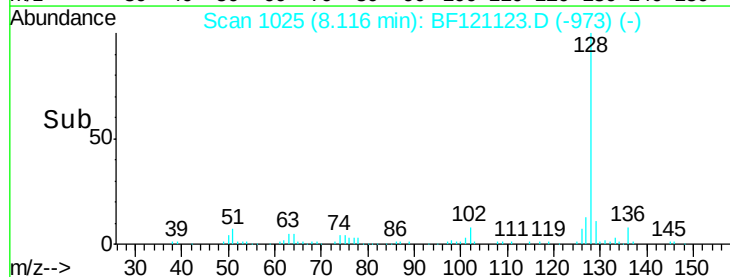
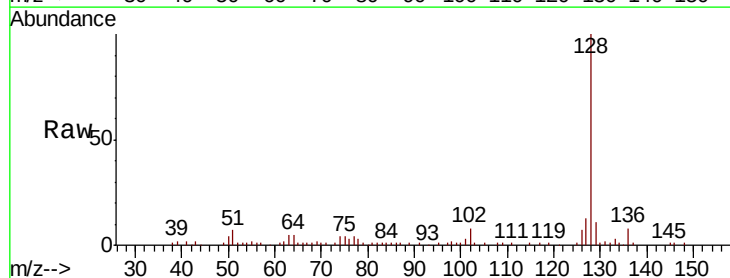
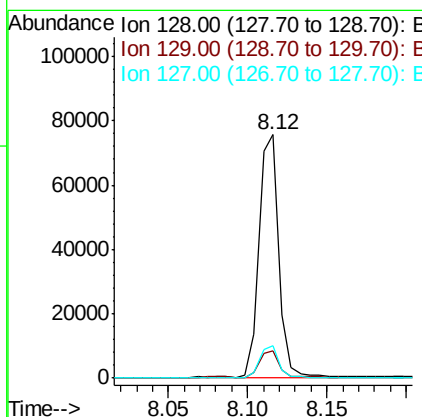
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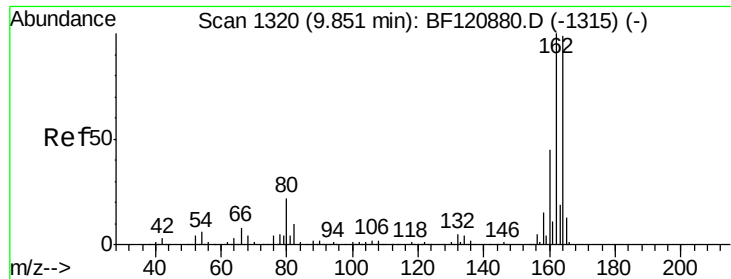
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#31
Naphthalene
Concen: 2.306 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.1	10.8	16.2





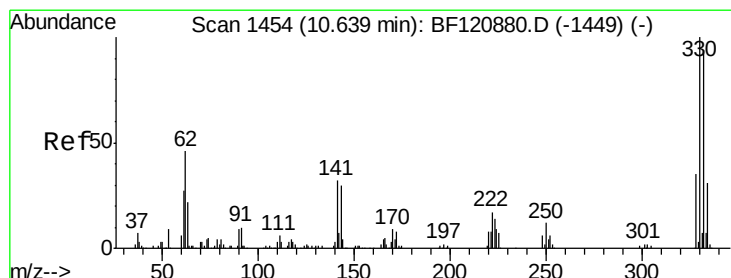
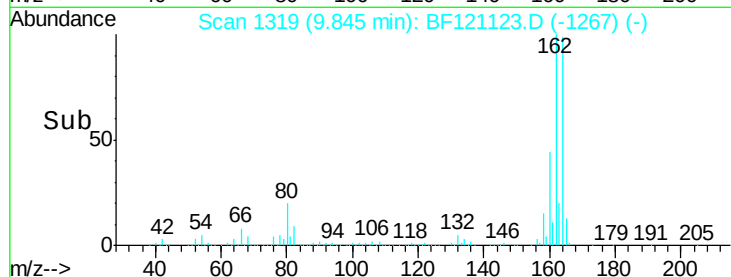
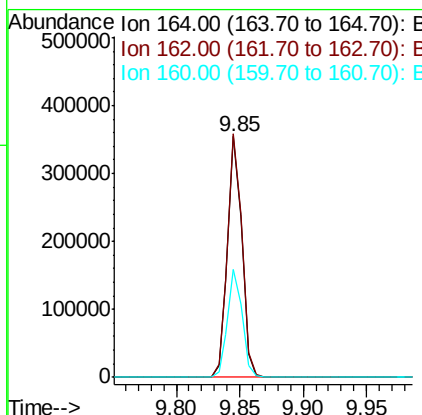
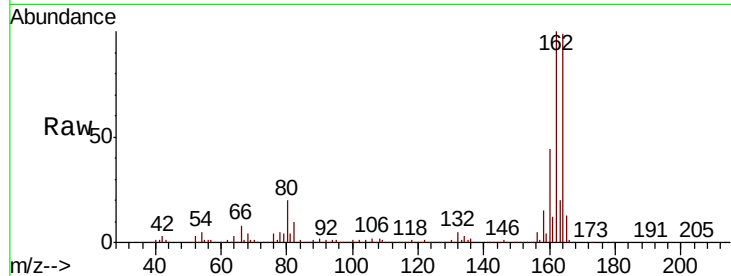
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF121123.D
 Acq: 30 Jul 2020 2:04

Instrument :
 BNA_F
 ClientSampleId :
 16

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	82.2	123.2	
160	44.9	37.2	55.8	

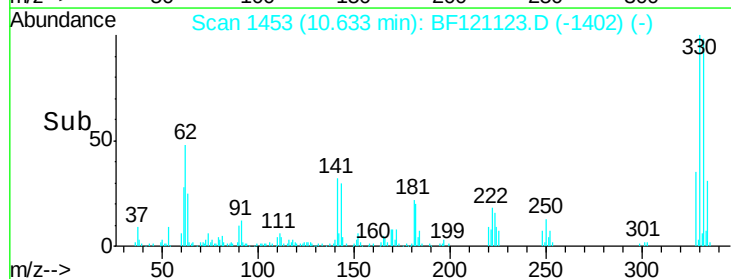
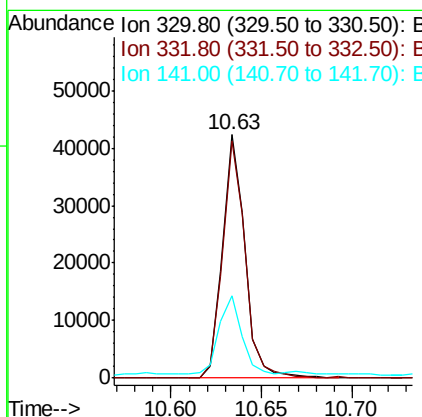
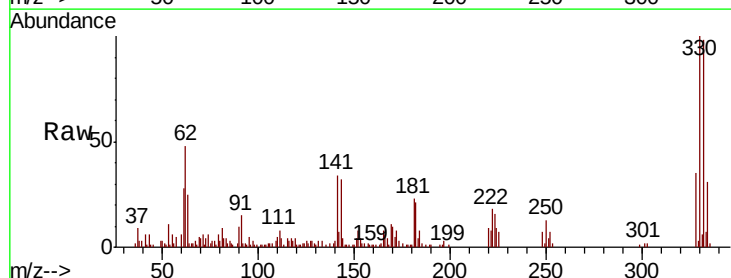
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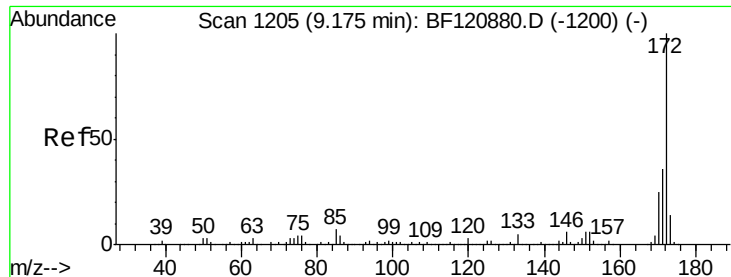
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#42
 2,4,6-Tribromophenol
 Concen: 11.915 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF121123.D
 Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	76.1	114.1	
141	32.7	24.1	36.1	





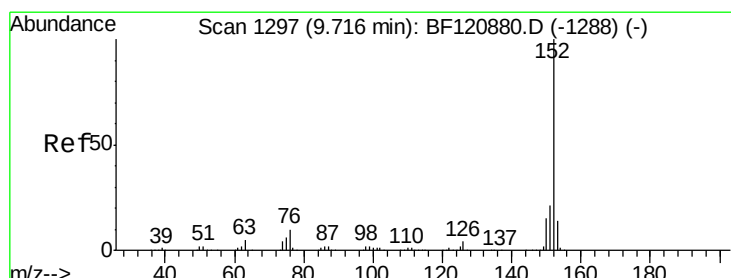
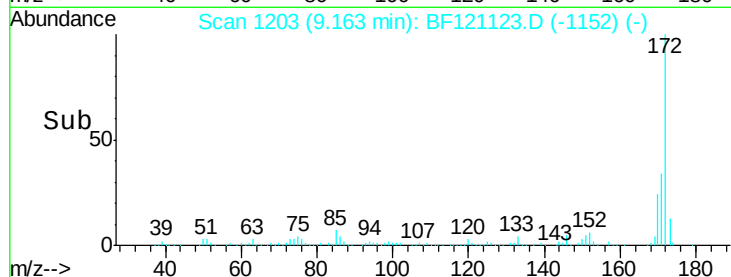
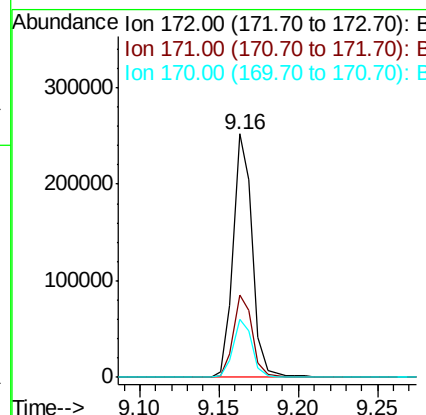
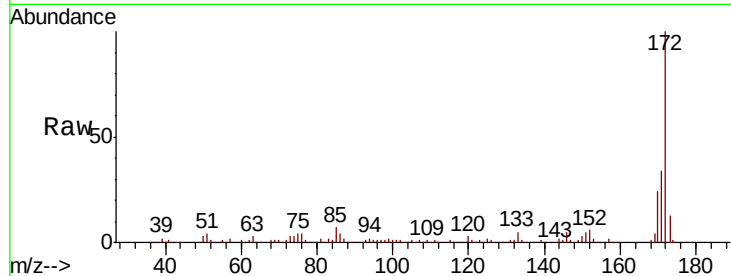
#45
2-Fluorobiphenyl
Concen: 11.256 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	Ratio	Resp	Lower	Upper
172	100	211485		
171	33.8	29.0	43.4	
170	23.7	19.6	29.4	

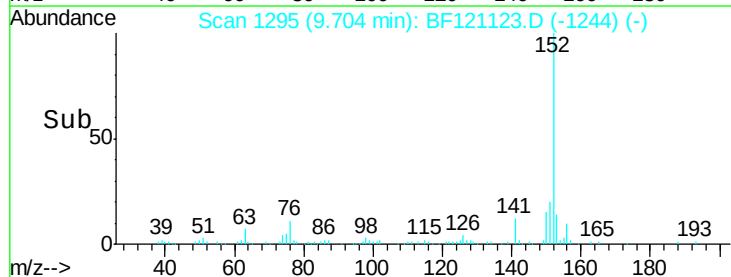
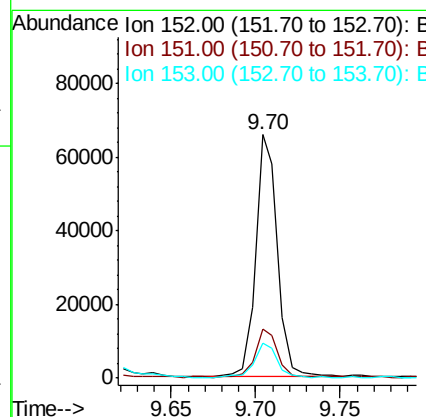
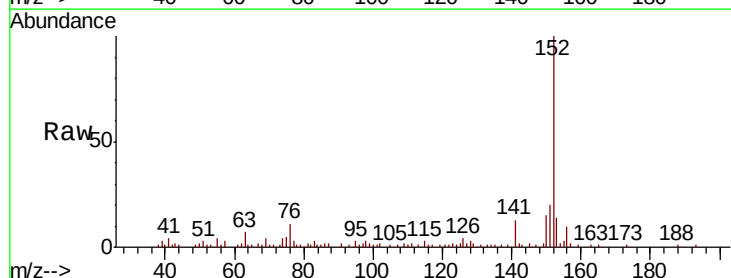
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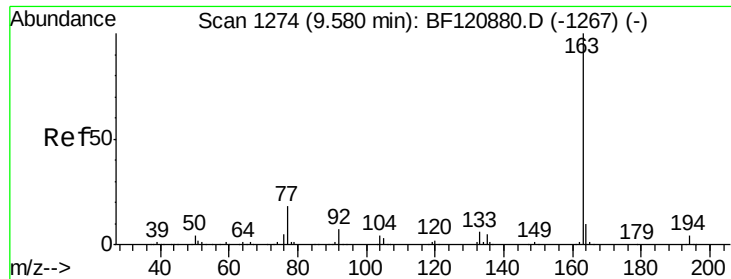
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#49
Acenaphthylene
Concen: 2.172 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	58878		
151	20.0	16.6	25.0	
153	14.2	11.0	16.4	





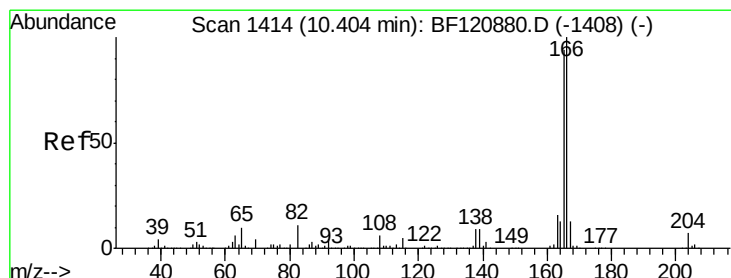
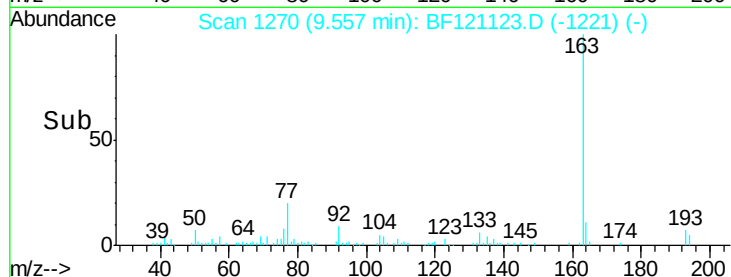
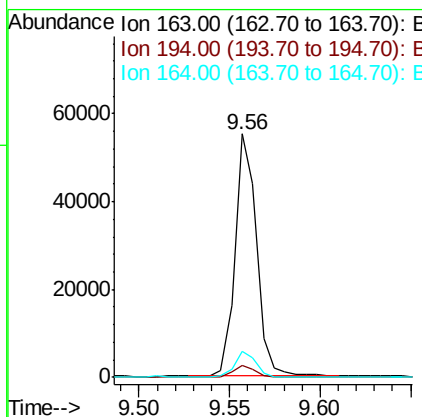
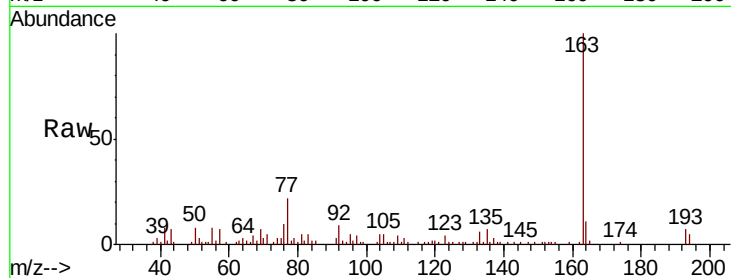
#50
Dimethylphthalate
Concen: 2.235 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampled :
16

Tot Ion	Ratio	Resp	Lower	Upper
163	100	45237		
194	5.0		3.0	4.4#
164	10.7		8.4	12.6

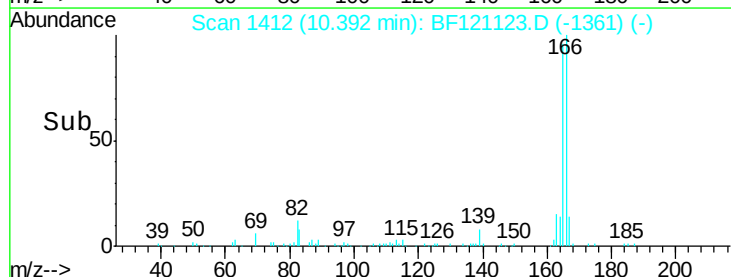
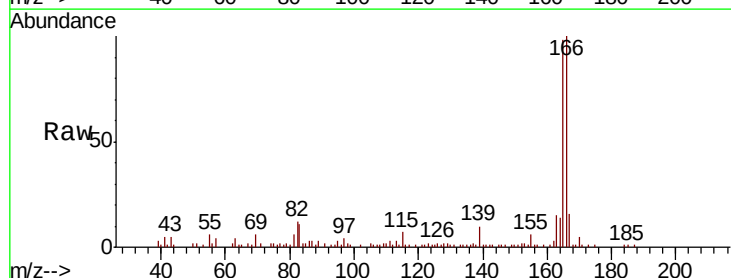
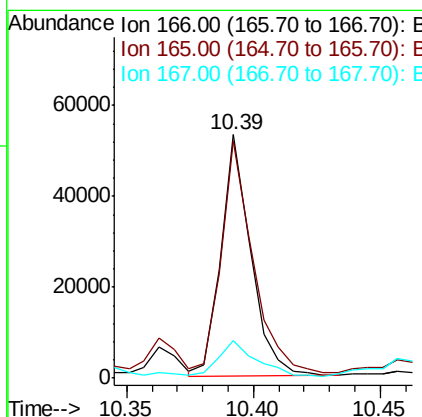
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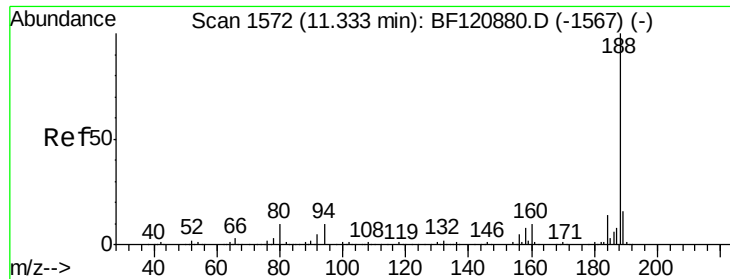
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#58
Fluorene
Concen: 2.341 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	43513		
165	97.5		76.4	114.6
167	15.5		10.7	16.1





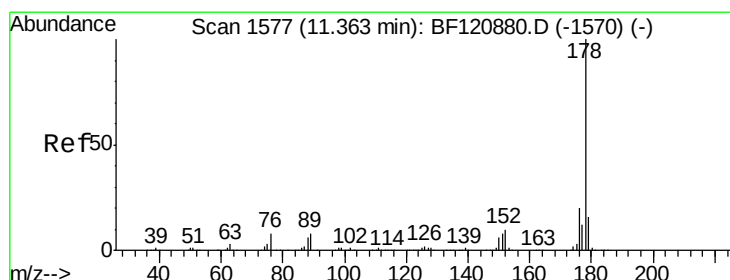
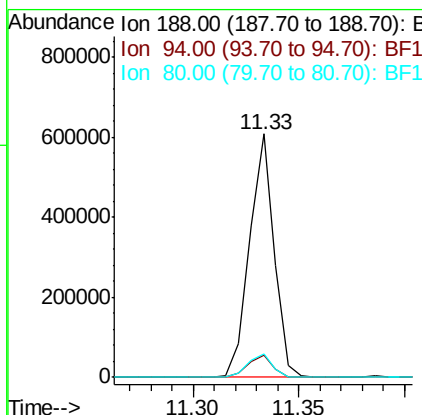
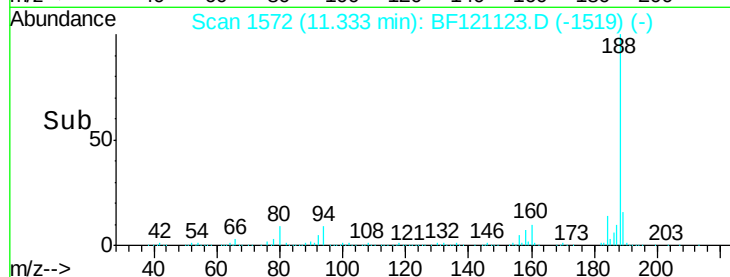
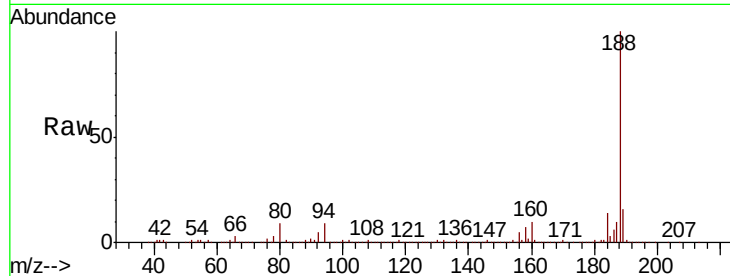
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	188	Ratio	100	Resp	Lower	Upper
188	100			491425		
94	9.1			8.0	12.0	
80	9.4			8.3	12.5	

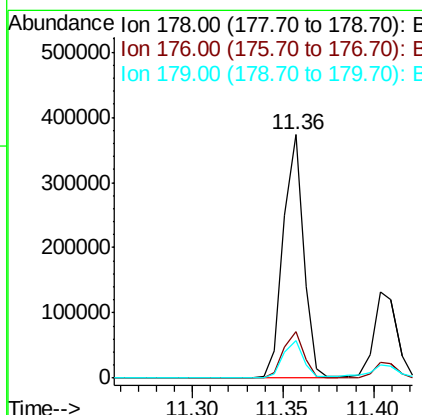
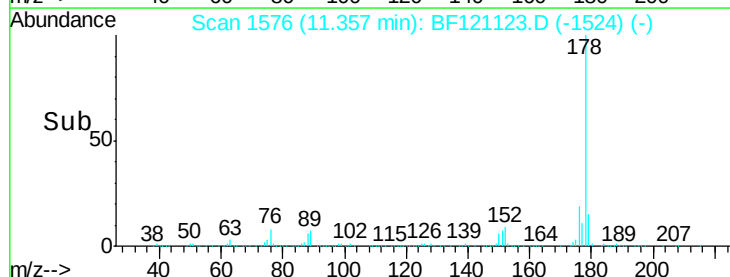
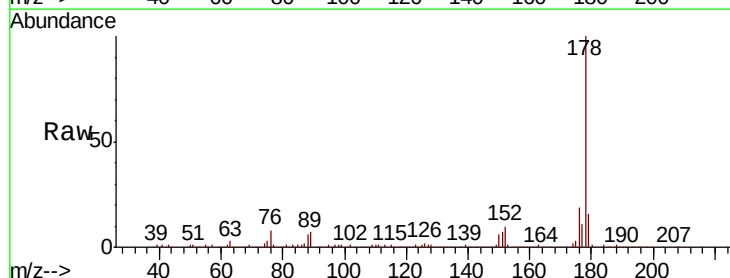
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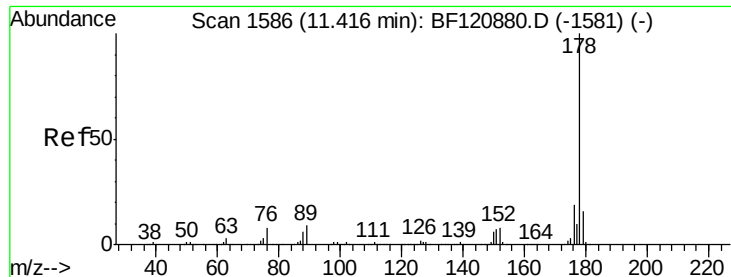
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#71
Phenanthrene
Concen: 11.508 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	178	Ratio	100	Resp	Lower	Upper
178	100			290867		
176	19.3			16.2	24.2	
179	15.5			12.6	19.0	





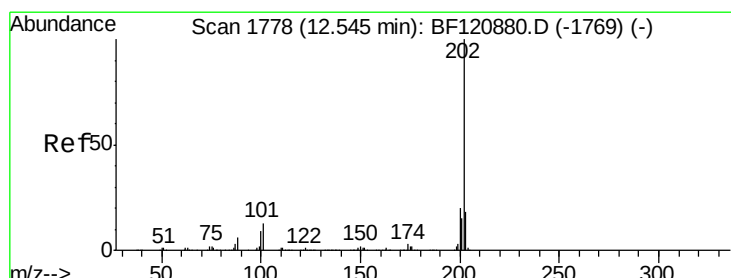
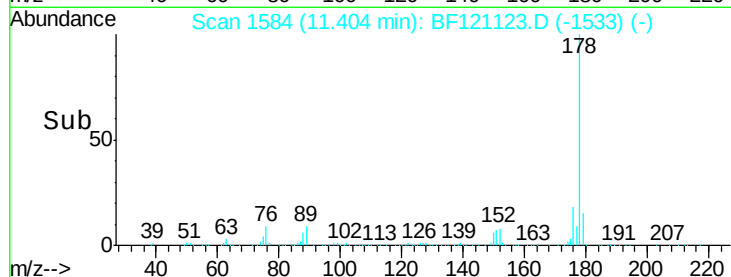
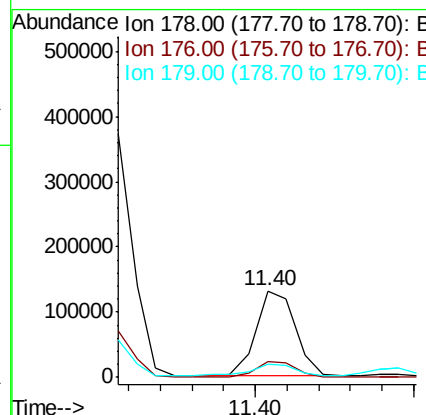
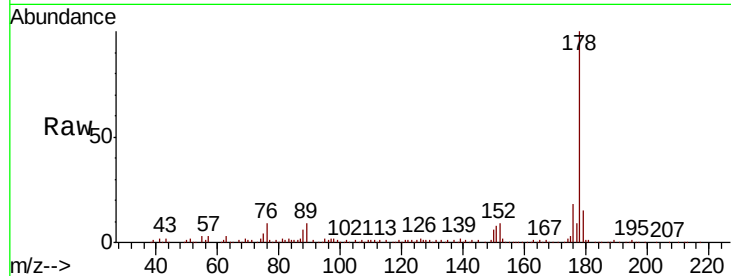
#72
 Anthracene
 Concen: 4.520 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF121123.D
 Acq: 30 Jul 2020 2:04

Instrument :
 BNA_F
 ClientSampled :
 16

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.2	12.6	19.0

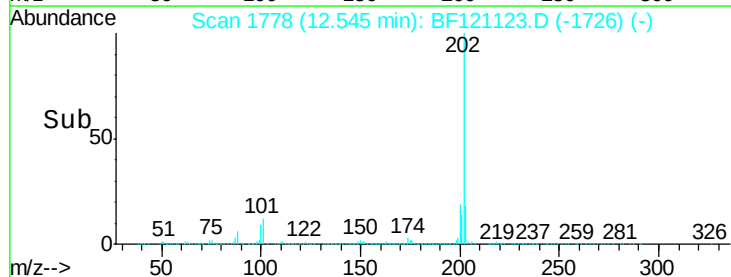
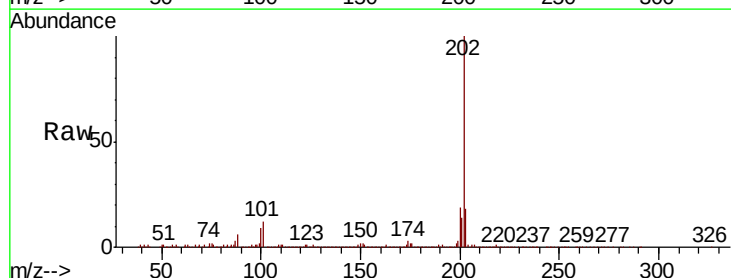
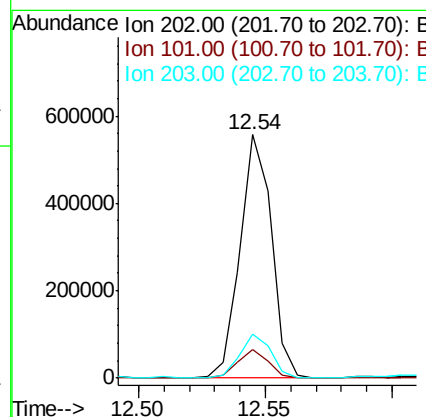
Manual Integrations
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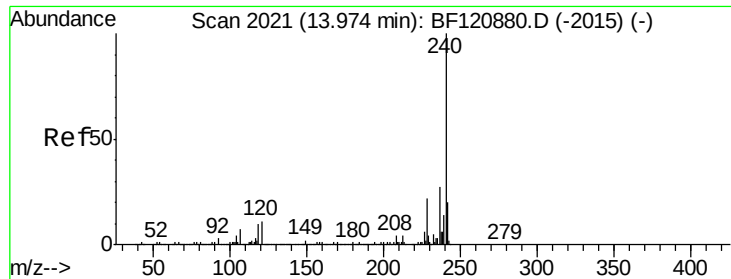
mohammad
 7/30/2020 3:34:19 PM



#75
 Fluoranthene
 Concen: 16.984 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF121123.D
 Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.5
203	17.9	0.0	37.7





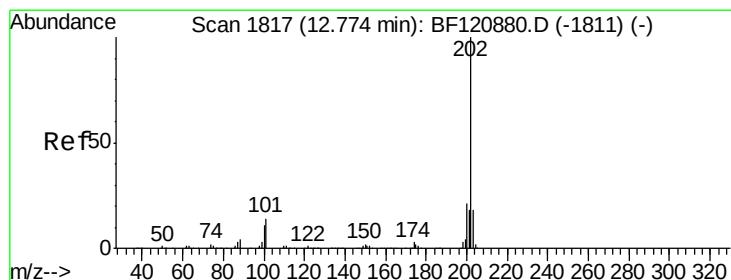
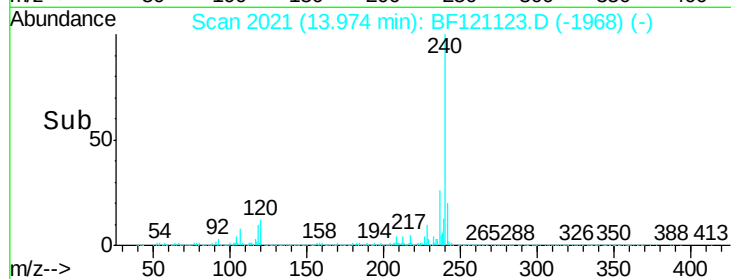
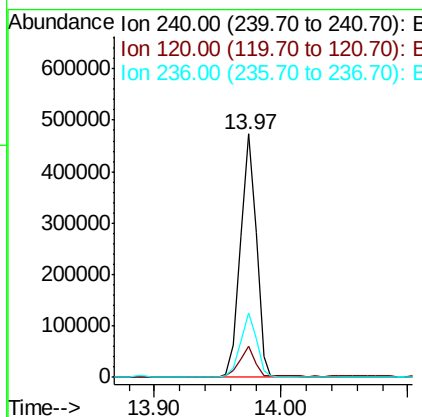
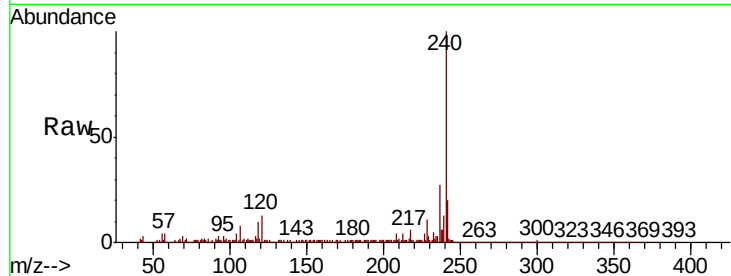
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.3	13.9
236	26.7	21.1	31.7

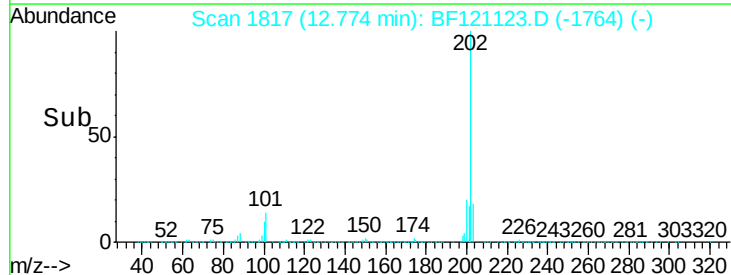
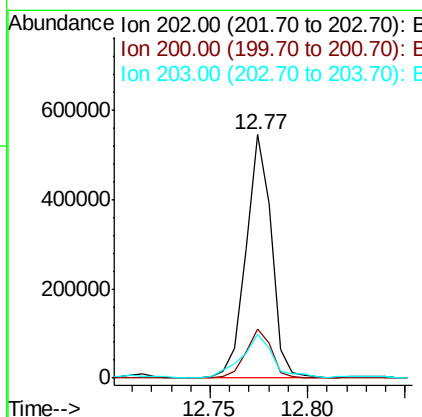
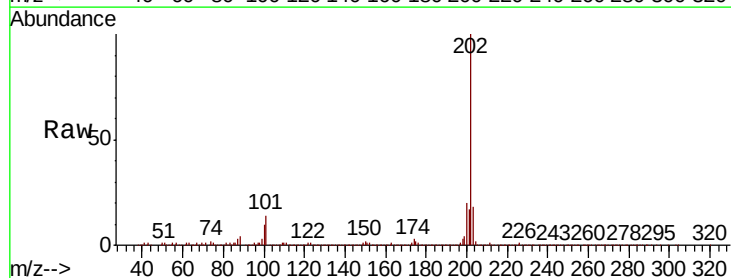
Manual Integrations
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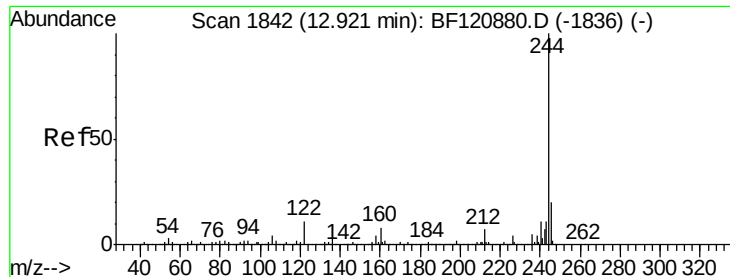
mohammad
7/30/2020 3:34:19 PM



#78
Pyrene
Concen: 17.136 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	17.9	14.6	21.8





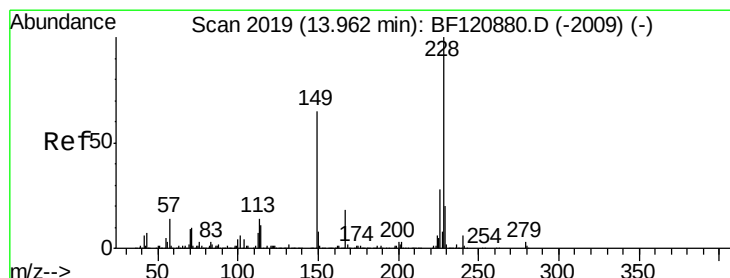
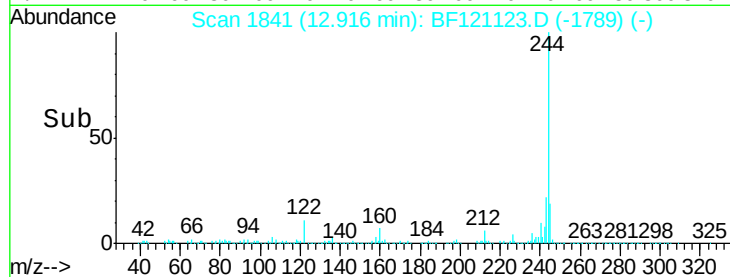
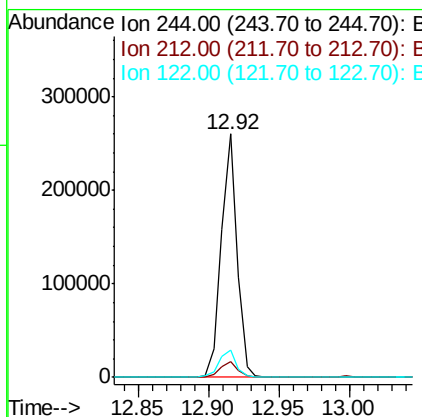
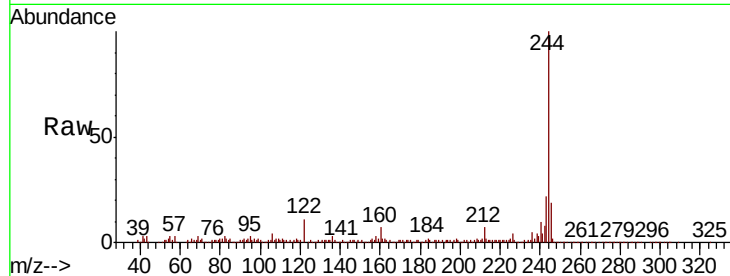
#79
 Terphenyl-d14
 Concen: 10.857 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF121123.D
 Acq: 30 Jul 2020 2:04

Instrument :
 BNA_F
 ClientSampleId :
 16

Tot Ion:	244	Resp:	201713
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.7	8.5
122	11.2	8.3	12.5

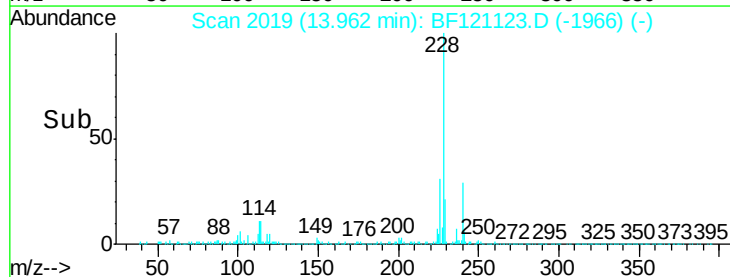
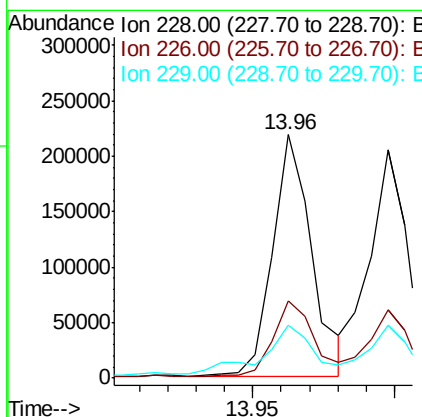
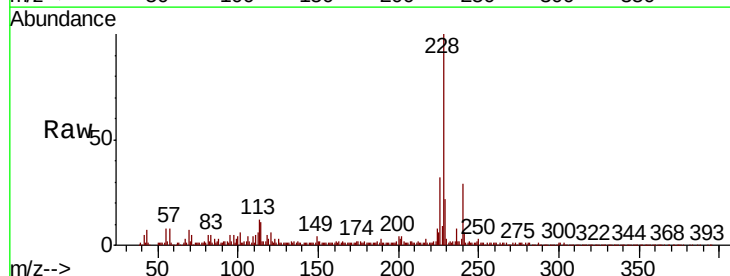
Manual Integrations
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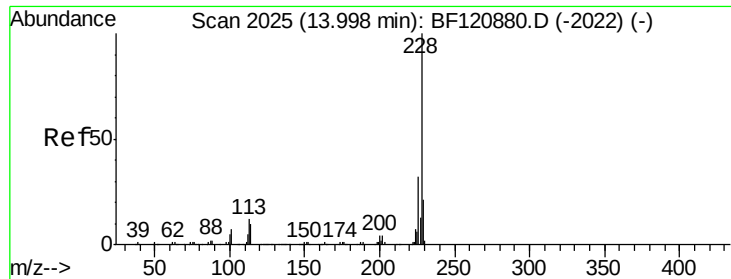
mohammad
 7/30/2020 3:34:19 PM



#81
 Benzo(a)anthracene
 Concen: 8.506 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121123.D
 Acq: 30 Jul 2020 2:04

Tgt Ion:	228	Resp:	208034
Ion Ratio		Lower	Upper
228	100		
226	31.6	22.6	34.0
229	21.7	16.1	24.1





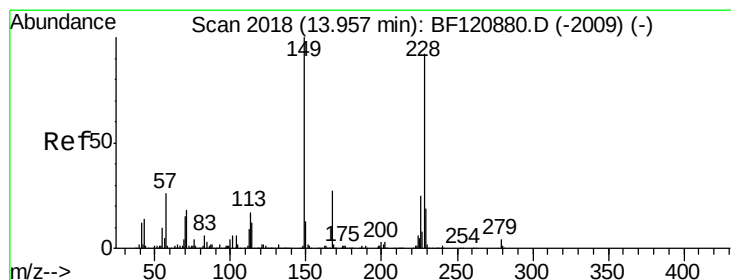
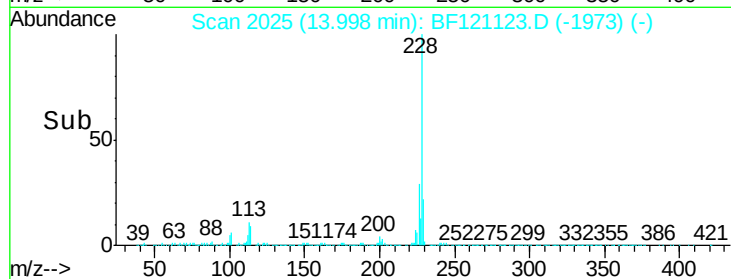
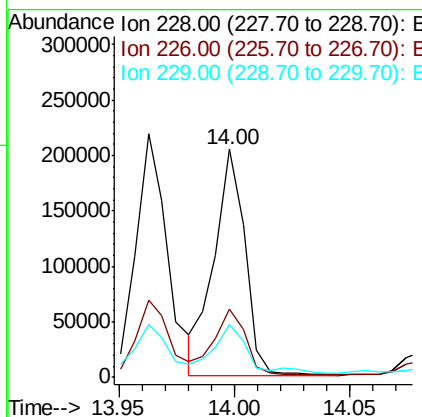
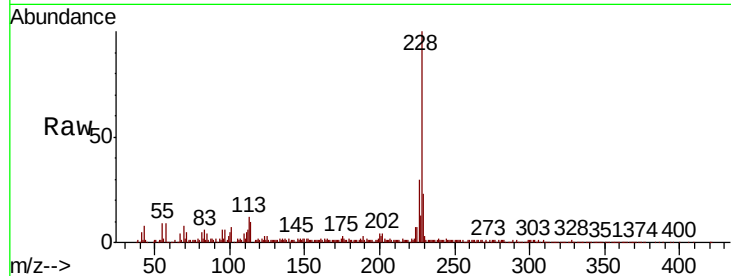
#83
Chrysene
Concen: 7.331 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampled :
16

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	23.1	16.2	24.4

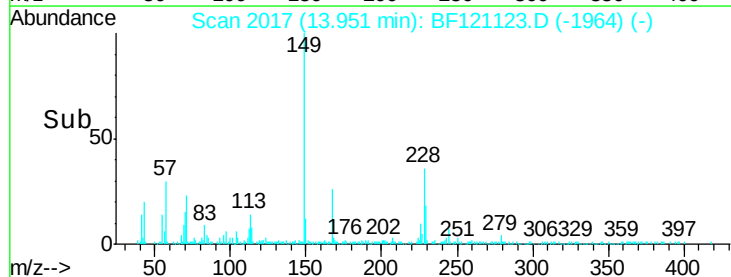
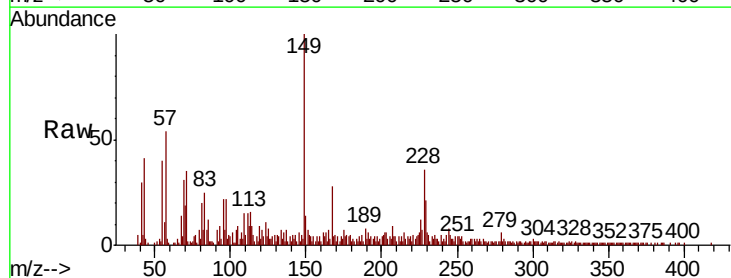
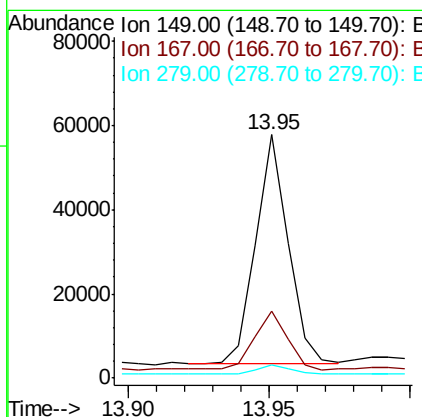
Manual Integrations
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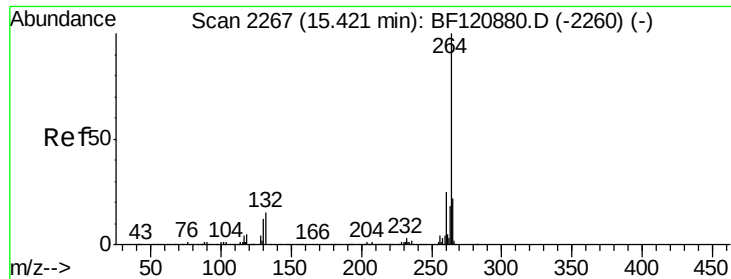
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.749 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.8	32.6
279	5.6	2.9	4.3#





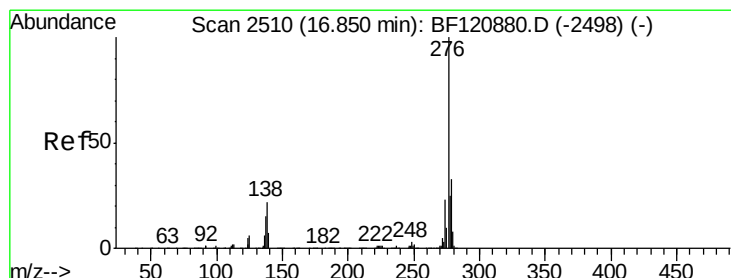
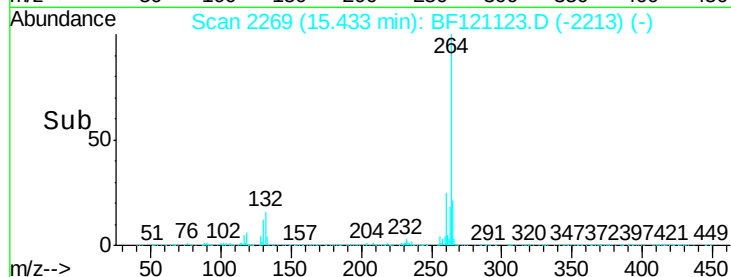
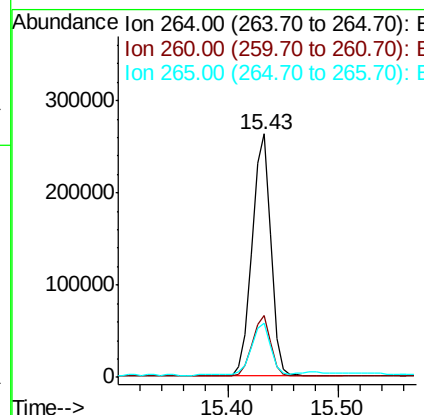
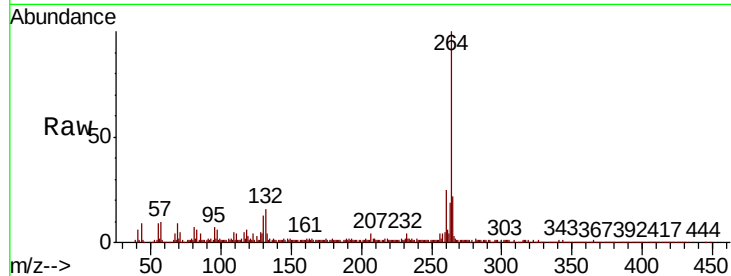
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.03 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.9	29.9
265	22.2	17.8	26.8

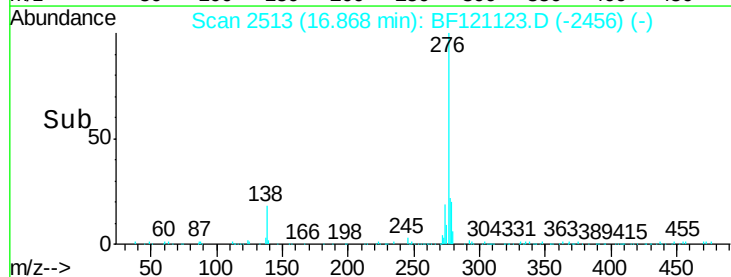
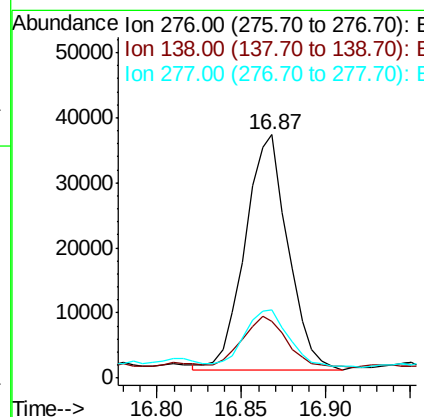
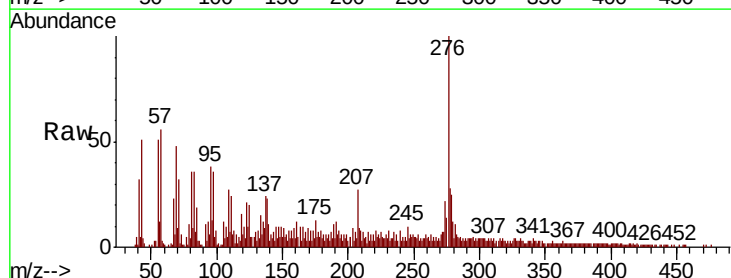
Manual Integrations
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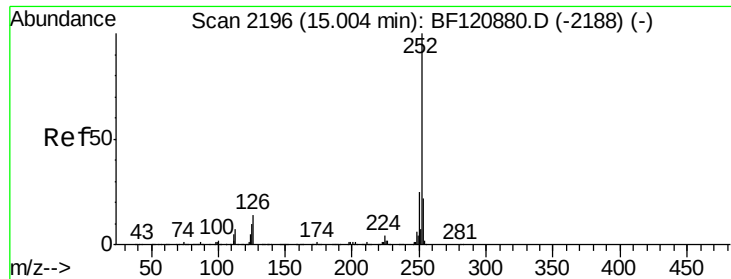
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.905 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.04 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.3	28.9
277	25.5	20.1	30.1





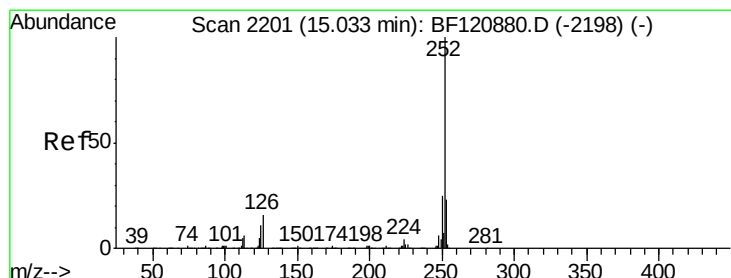
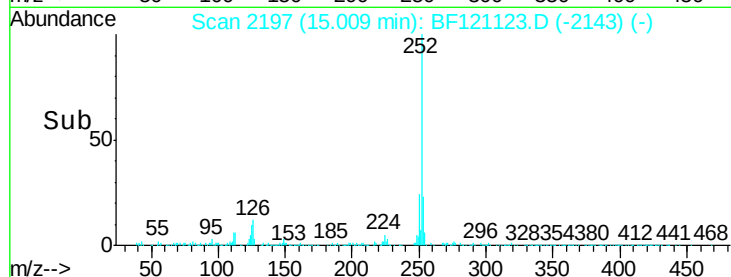
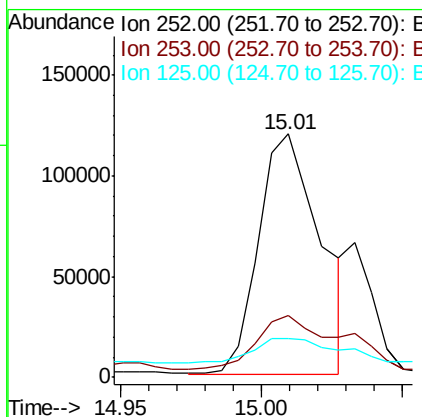
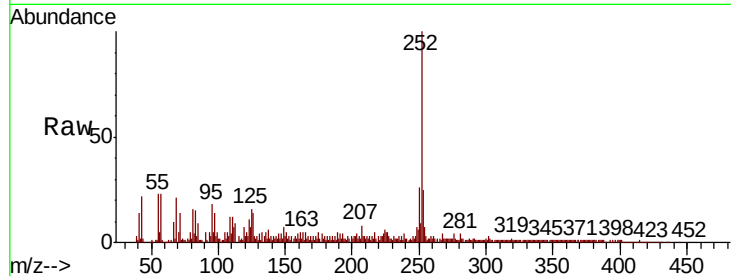
#88
Benzo(b)fluoranthene
Concen: 9.479 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	Ratio	Resp	Lower	Upper
252	100	180363		
253	25.4	17.9	26.9	
125	16.1	8.1	12.1	

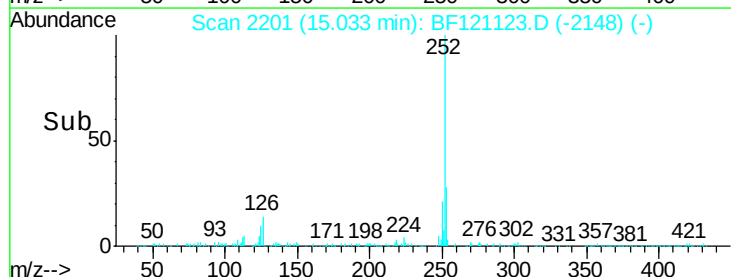
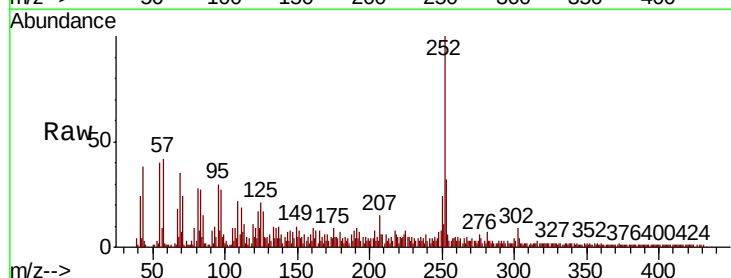
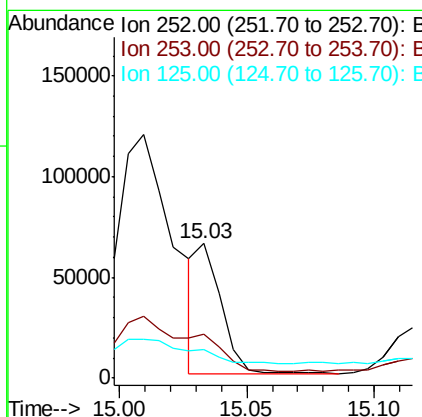
Manual Integrations
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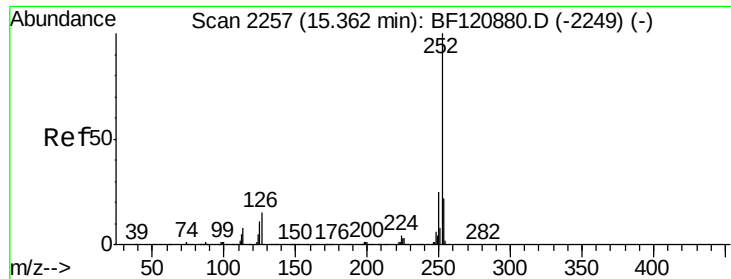
mohammad
7/30/2020 3:34:19 PM



#89
Benzo(k)fluoranthene
Concen: 2.434 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	42236		
253	32.5	18.1	27.1	
125	20.9	8.0	12.0	





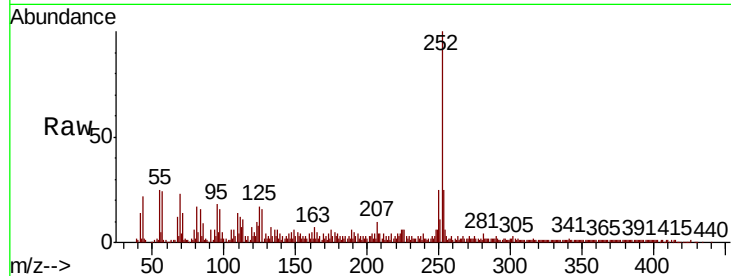
#90
Benzo(a)pyrene
Concen: 6.882 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Instrument :
BNA_F
ClientSampleId :
16

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	17.4	9.5	14.3

Manual Integrations
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mohammad
7/30/2020 3:34:19 PM

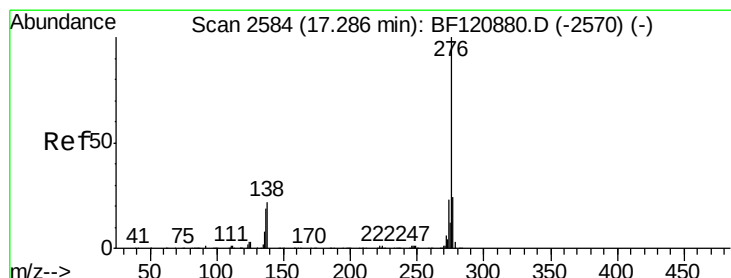
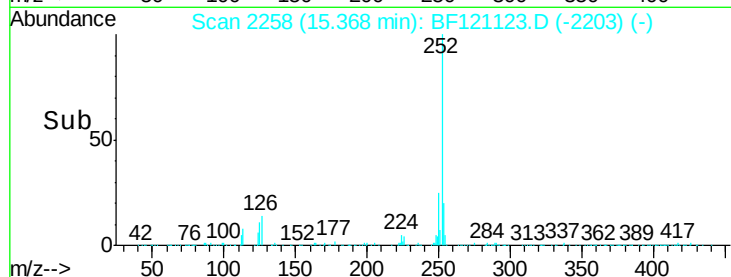
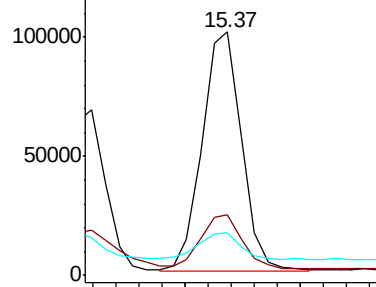


Abundance

Ion 252.00 (251.70 to 252.70): E

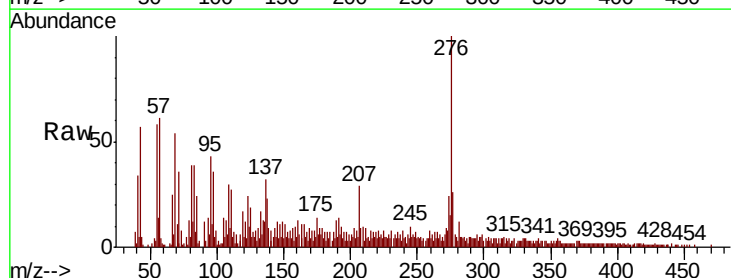
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.524 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.04 min
Lab File: BF121123.D
Acq: 30 Jul 2020 2:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.0
138	23.3	17.2	25.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

