

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121220\
 Data File : BF122693.D
 Acq On : 12 Dec 2020 22:55
 Operator : JU/CG
 Sample : L5066-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JBD-SB-01-0-52

Manual Integrations
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Quant Time: Dec 13 23:47:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	143051	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	511317	20.00	ng	# 0.00
39) Acenaphthene-d10	9.880	164	259865	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	494280	20.00	ng	0.00
76) Chrysene-d12	14.004	240	345945	20.00	ng	0.00
86) Perylene-d12	15.462	264	360523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	850423	94.12	ng	0.00
7) Phenol-d6	6.469	99	1064064	88.79	ng	-0.01
23) Nitrobenzene-d5	7.398	82	646242	63.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	296862	87.27	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1018768	53.03	ng	0.00
79) Terphenyl-d14	12.945	244	1028609	52.05	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.475	94	64553	5.20	ng	95
37) 2-Methylnaphthalene	8.834	142	71312	3.82	ng	97
38) 1-Methylnaphthalene	8.933	142	55655	3.15	ng	# 95
50) Dimethylphthalate	9.586	163	85920	4.14	ng	# 68
52) Acenaphthene	9.910	154	39420	2.31	ng	97
55) Dibenzofuran	10.080	168	54767	2.28	ng	# 68
58) Fluorene	10.422	166	97524	5.10	ng	# 96
71) Phenanthrene	11.386	178	1291562	43.97	ng	99
72) Anthracene	11.439	178	469390	16.11	ng	98
73) Carbazole	11.586	167	125539	4.75	ng	98
75) Fluoranthene	12.580	202	1569619	50.95	ng	99
78) Pyrene	12.804	202	1324427	49.52	ng	99
81) Benzo(a)anthracene	13.992	228	726905	31.44	ng	98
83) Chrysene	14.027	228	569174	24.74	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	316179	13.36	ng	96
88) Benzo(b)fluoranthene	15.039	252	664011m	26.25	ng	
89) Benzo(k)fluoranthene	15.063	252	223132m	9.65	ng	
90) Benzo(a)pyrene	15.404	252	492384	22.25	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	92081	4.75	ng	94
92) Benzo(g,h,i)perylene	17.356	276	298521	15.93	ng	98

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

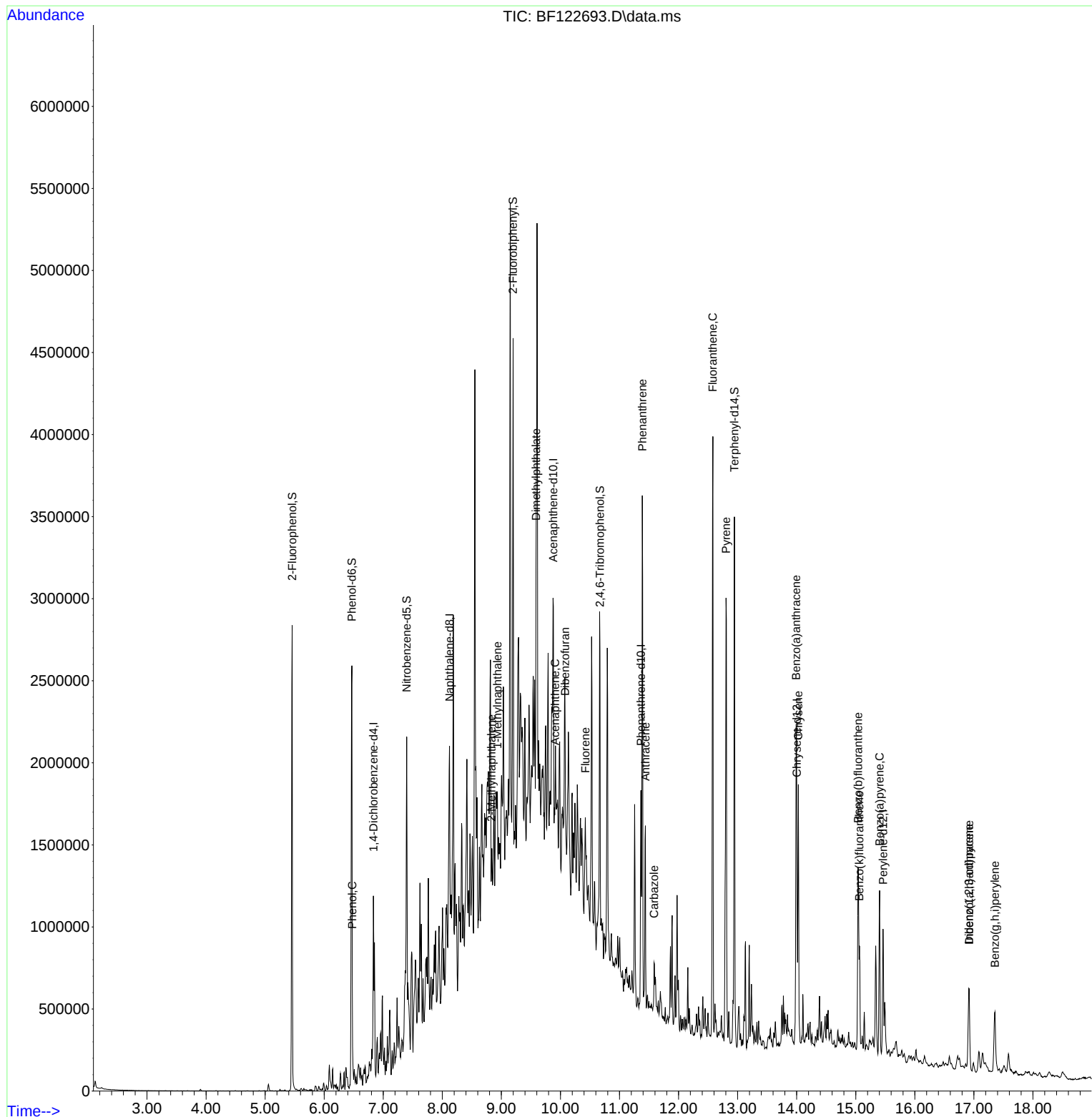
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121220\
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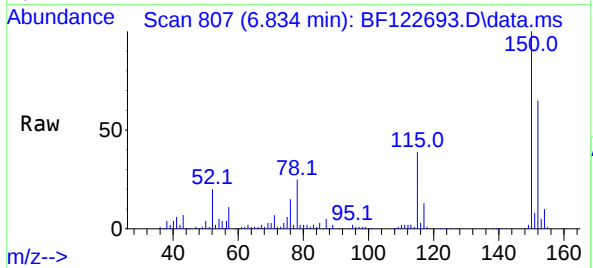
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Quant Time: Dec 13 23:47:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
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QLast Update : Mon Dec 07 12:08:49 2020
Response via : Initial Calibration

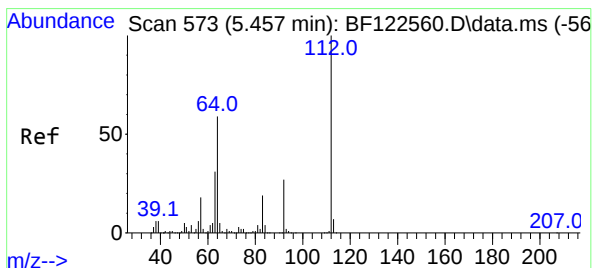
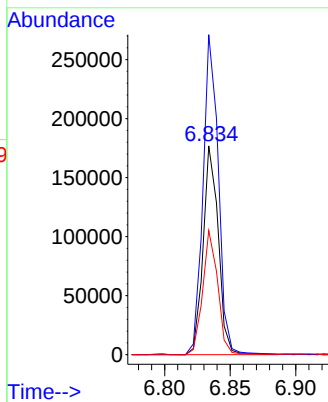
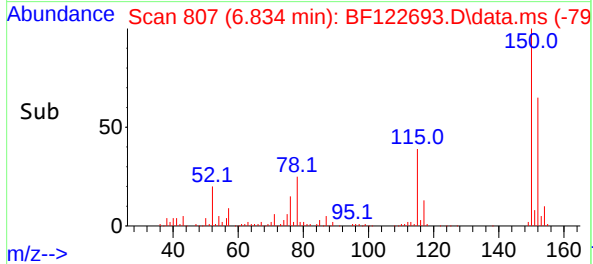




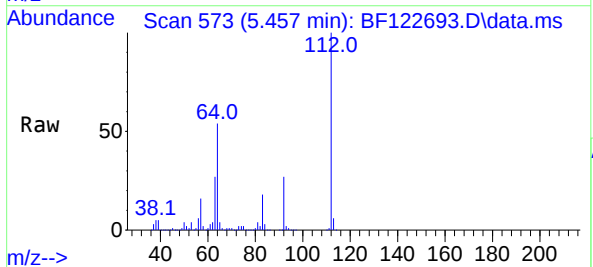
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



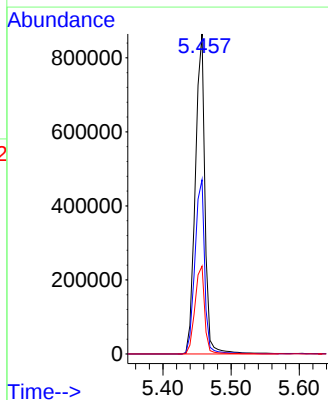
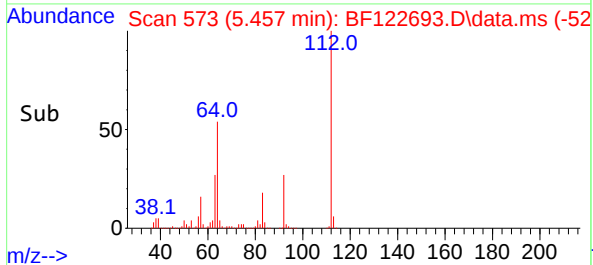
Tgt Ion:152 Resp: 143051
Ion Ratio Lower Upper
152 100
150 153.3 125.8 188.6
115 59.4 49.3 73.9



#5
2-Fluorophenol
Concen: 94.12 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



Tgt Ion:112 Resp: 850423
Ion Ratio Lower Upper
112 100
64 54.4 46.9 70.3
63 27.5 24.5 36.7



Instrument :
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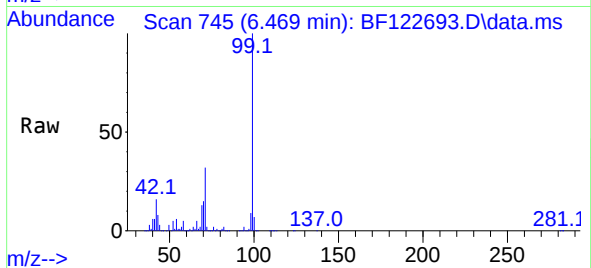
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#7
Phenol-d6
Concen: 88.79 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

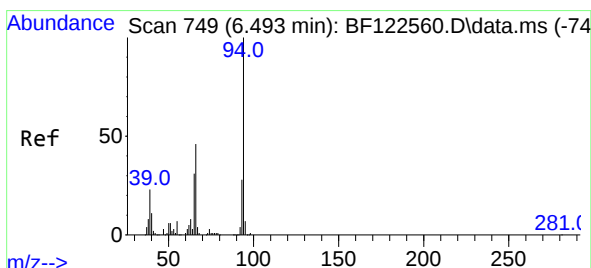
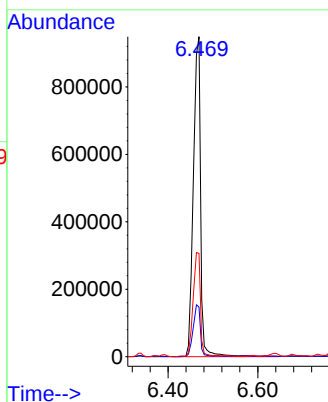
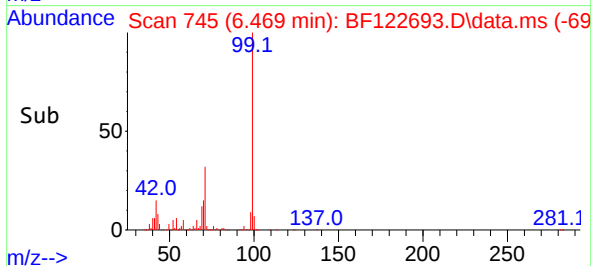
Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52



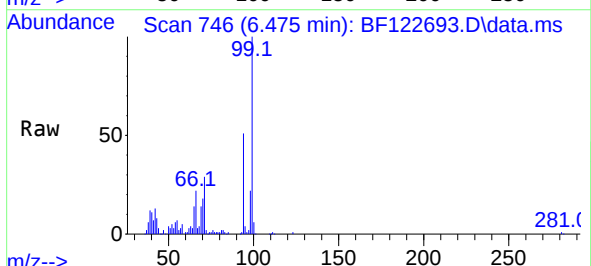
Tgt Ion: 99 Resp: 1064064
Ion Ratio Lower Upper
99 100
42 15.5 13.8 20.6
71 32.3 26.9 40.3

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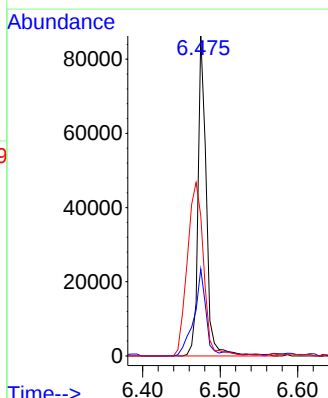
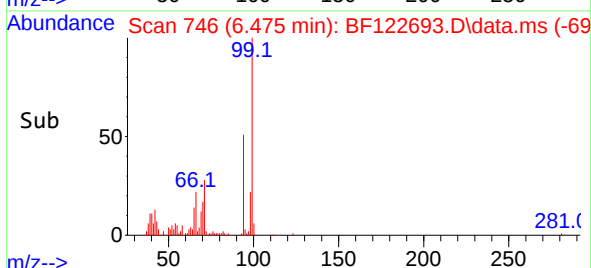
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#10
Phenol
Concen: 5.20 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



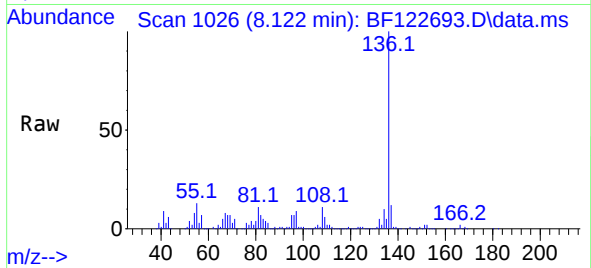
Tgt Ion: 94 Resp: 64553
Ion Ratio Lower Upper
94 100
65 27.2 11.2 51.2
66 43.8 25.8 65.8





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

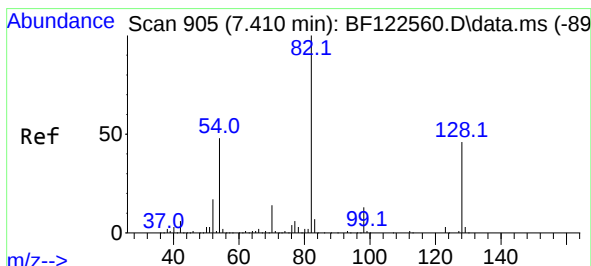
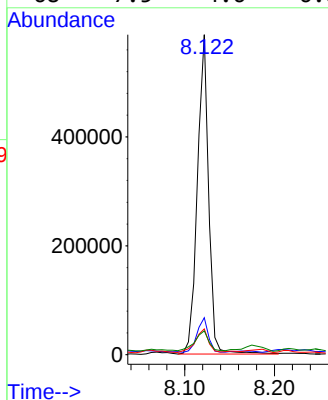
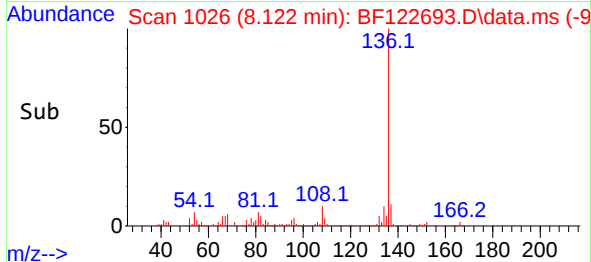
Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52



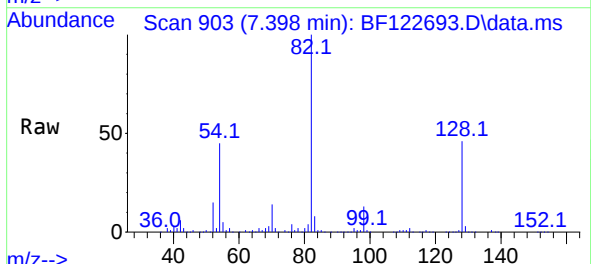
Tgt Ion:136 Resp: 511317
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.0 5.5 8.3
68 7.5 4.6 6.8#

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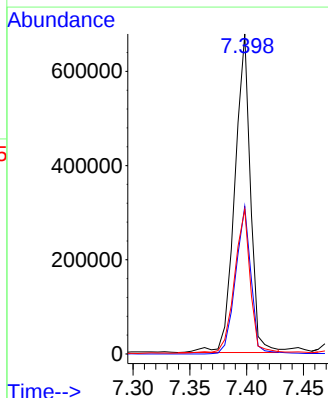
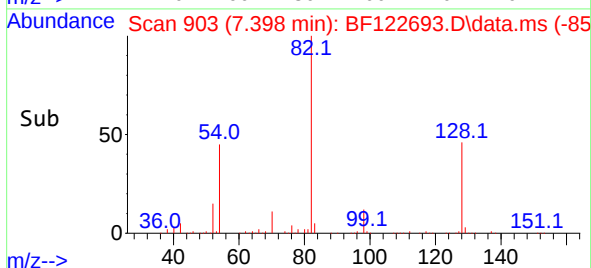
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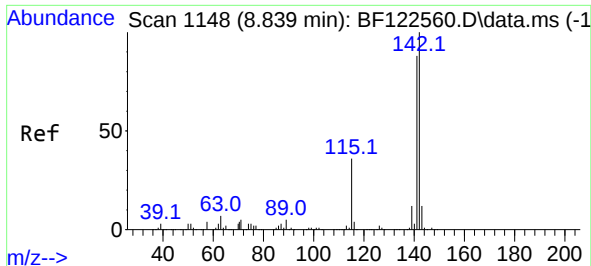


#23
Nitrobenzene-d5
Concen: 63.32 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



Tgt Ion: 82 Resp: 646242
Ion Ratio Lower Upper
82 100
128 46.1 37.0 55.4
54 45.2 38.4 57.6





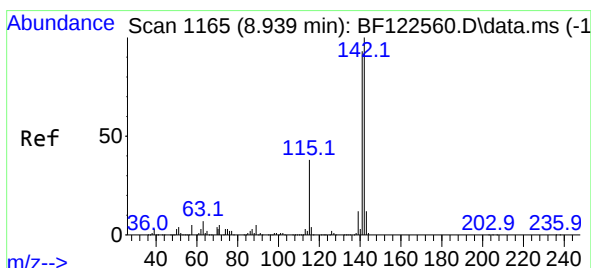
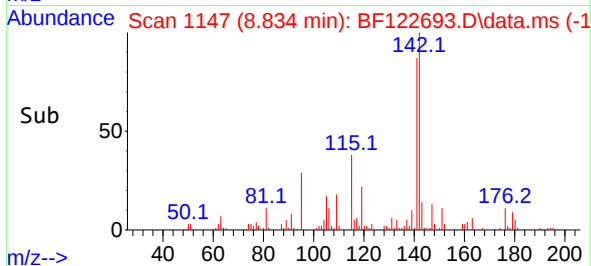
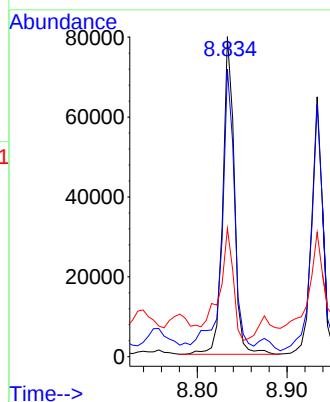
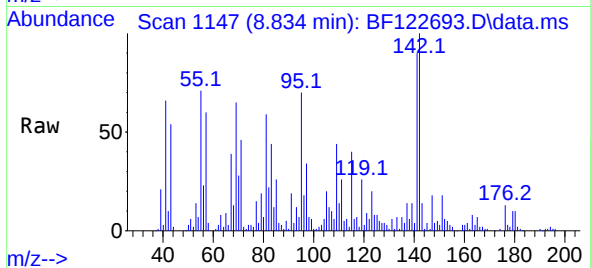
#37
2-Methylnaphthalene
Concen: 3.82 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:	142	Resp:	71312
Ion Ratio	Lower	Upper	
142	100		
141	89.8	70.6	106.0
115	40.1	28.7	43.1

Instrument :
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ClientSampleId :
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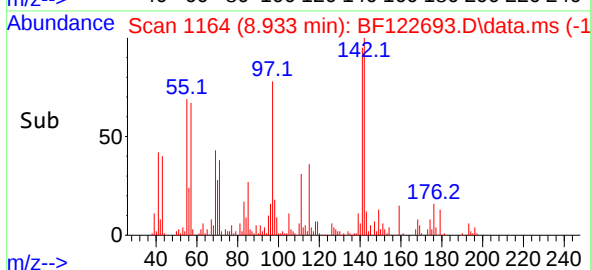
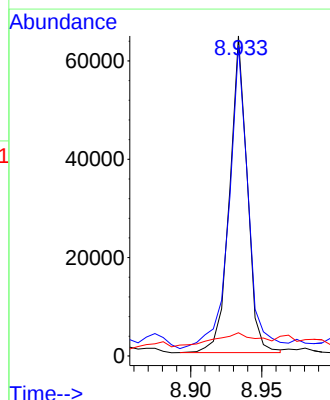
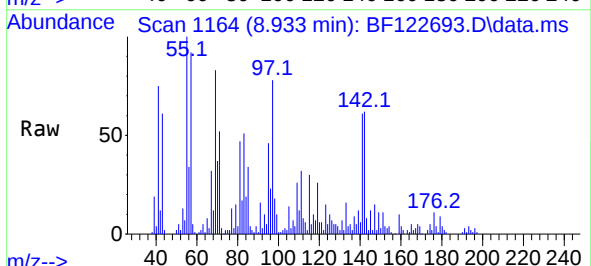
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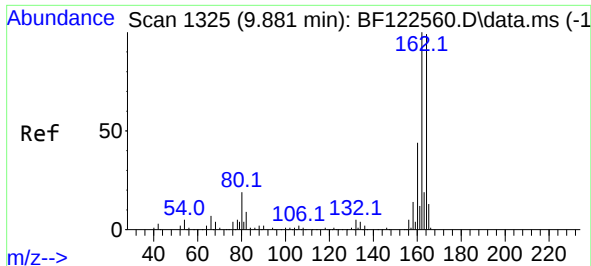
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#38
1-Methylnaphthalene
Concen: 3.15 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:	142	Resp:	55655
Ion Ratio	Lower	Upper	
142	100		
141	97.2	74.5	111.7
116	7.3	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.001 min

Lab File: BF122693.D

Acq: 12 Dec 2020 22:55

Tgt Ion:	164	Resp:	259865
Ion Ratio	Lower	Upper	
164	100		
162	102.0	80.8	121.2
160	45.0	35.4	53.0

Instrument :

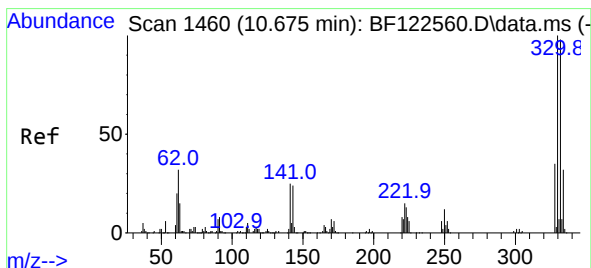
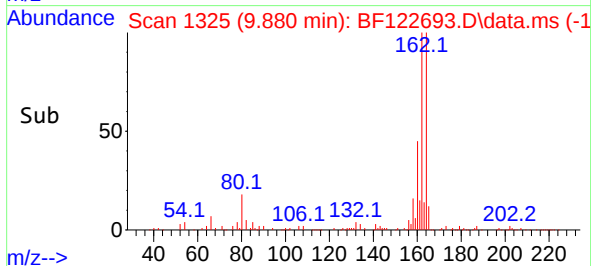
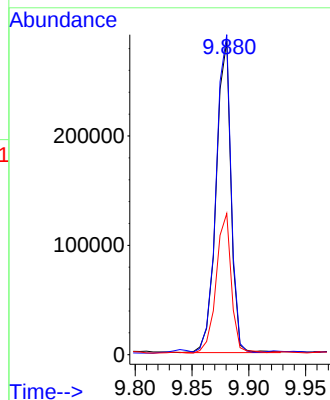
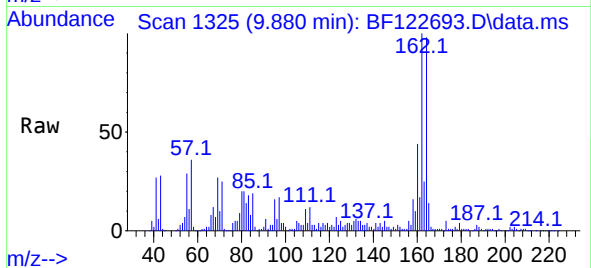
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ClientSampleId :

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#42

2,4,6-Tribromophenol

Concen: 87.27 ng

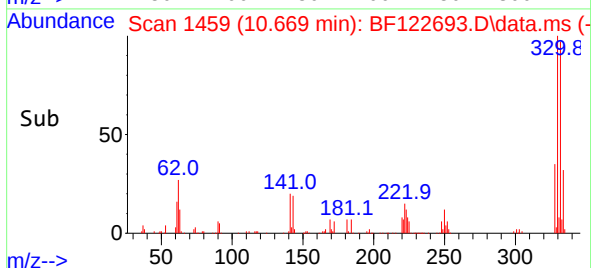
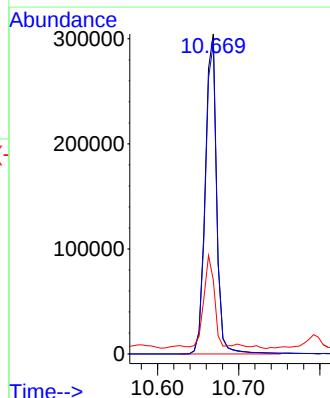
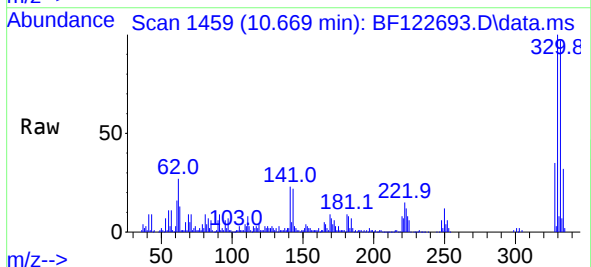
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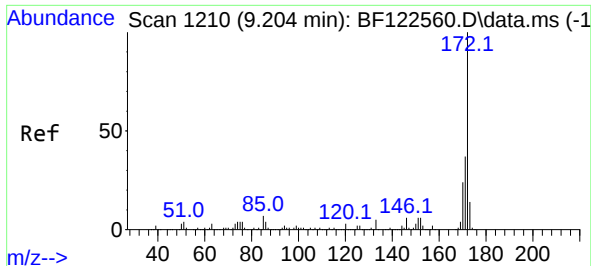
Delta R.T. -0.006 min

Lab File: BF122693.D

Acq: 12 Dec 2020 22:55

Tgt Ion:	330	Resp:	296862
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.5	116.3
141	26.5	23.8	35.8





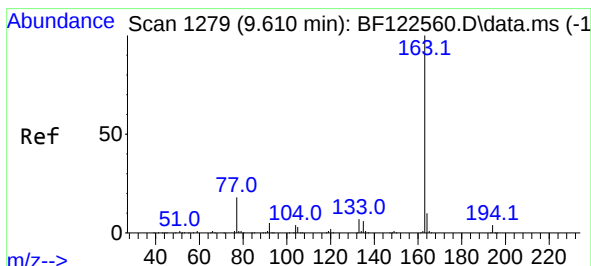
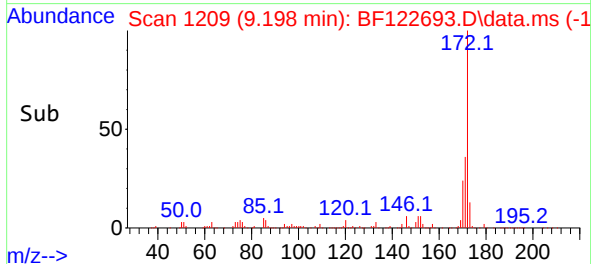
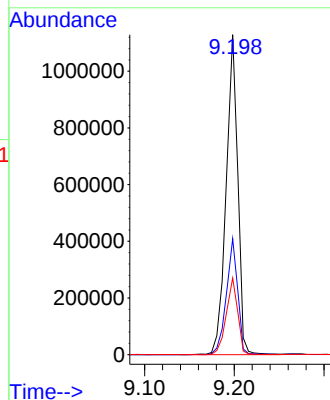
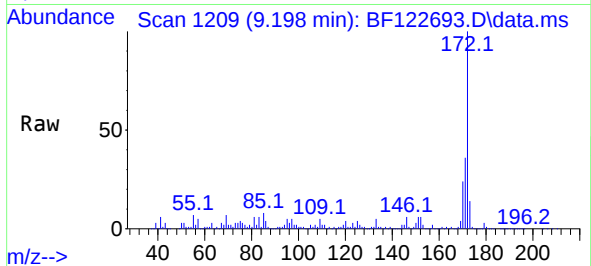
#45
2-Fluorobiphenyl
Concen: 53.03 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:172 Resp: 1018768
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.0 19.5 29.3

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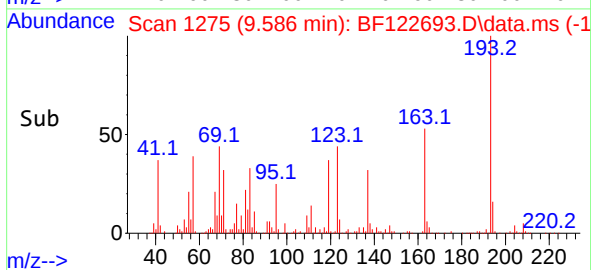
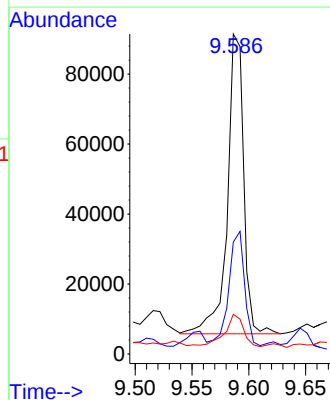
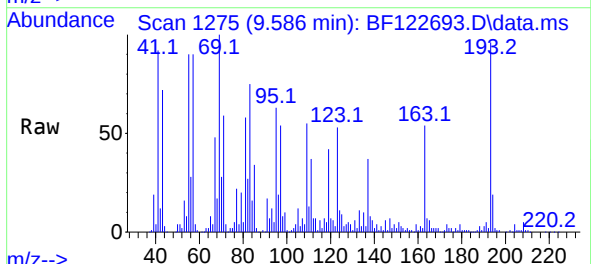
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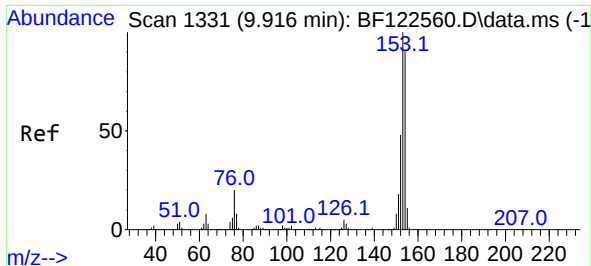
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#50
Dimethylphthalate
Concen: 4.14 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.024 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

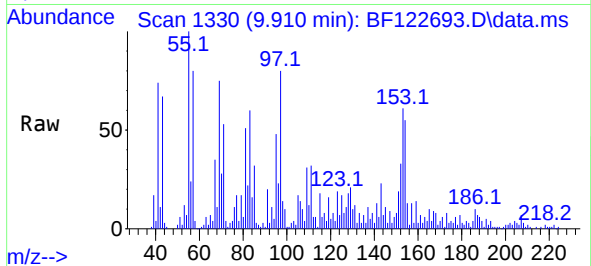
Tgt Ion:163 Resp: 85920
Ion Ratio Lower Upper
163 100
194 34.9 3.4 5.0#
164 12.4 8.1 12.1#





#52
Acenaphthene
Concen: 2.31 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

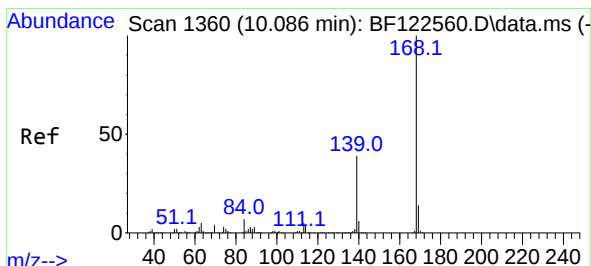
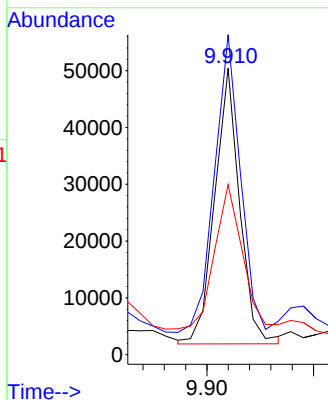
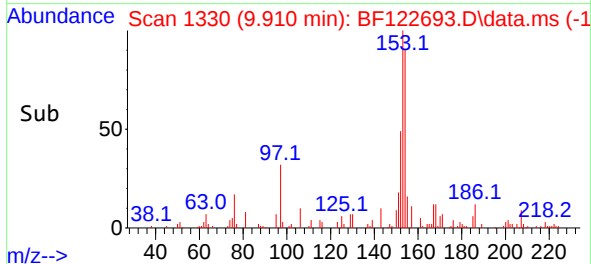
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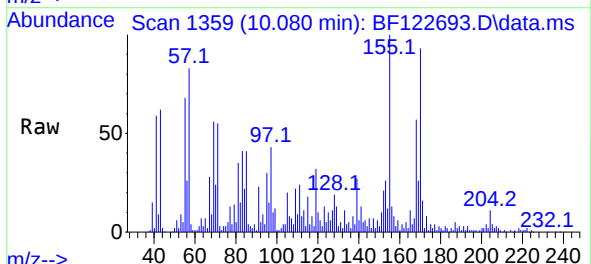
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Ion Ratio Lower Upper
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153 111.7 89.0 133.6
152 59.4 42.7 64.1

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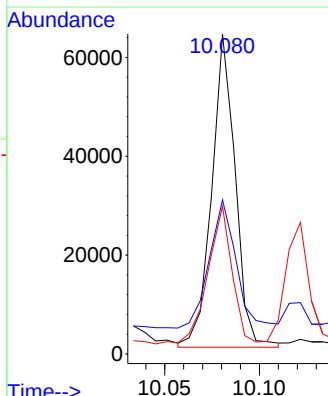
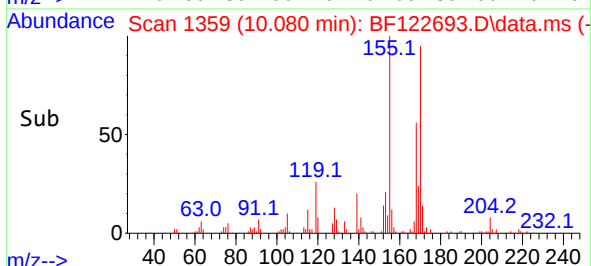
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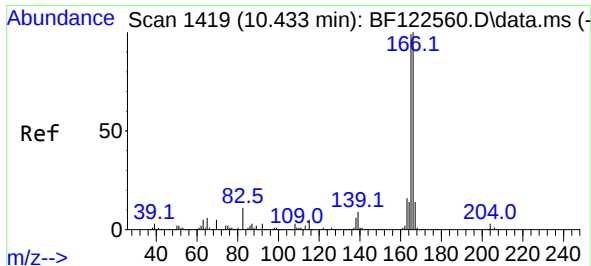


#55
Dibenzofuran
Concen: 2.28 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



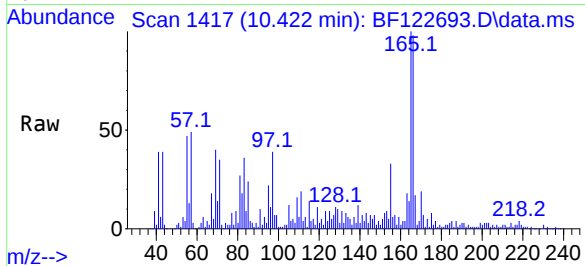
Tgt Ion:168 Resp: 54767
Ion Ratio Lower Upper
168 100
139 48.2 31.3 46.9#
169 46.2 11.2 16.8#





#58
Fluorene
Concen: 5.10 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

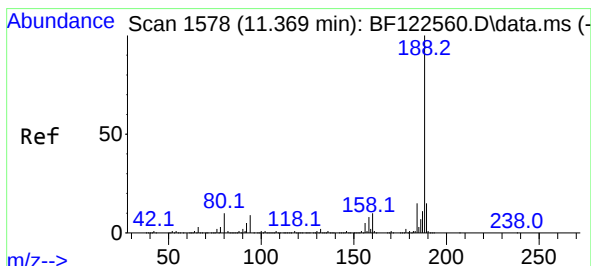
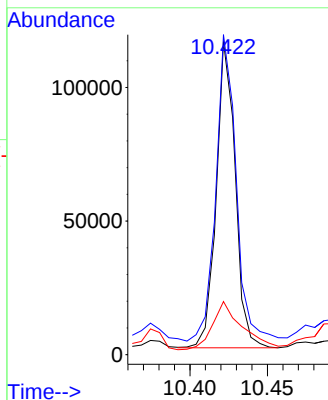
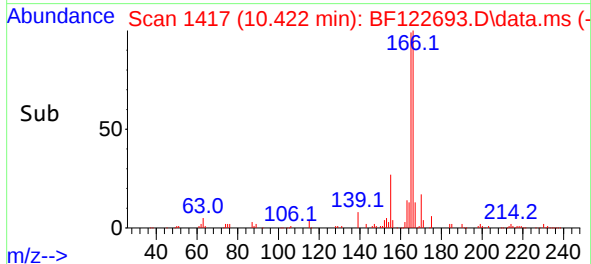
Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52



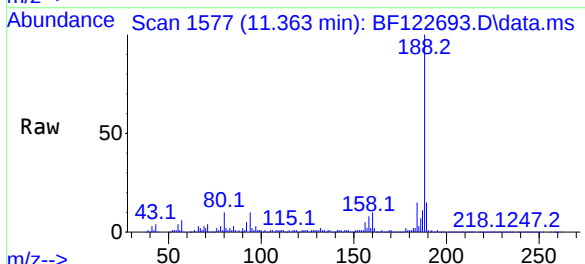
Tgt Ion:166 Resp: 97524
Ion Ratio Lower Upper
166 100
165 102.2 79.4 119.0
167 17.0 10.9 16.3#

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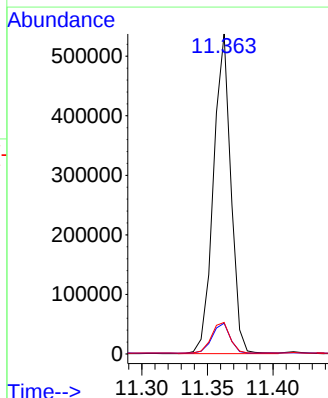
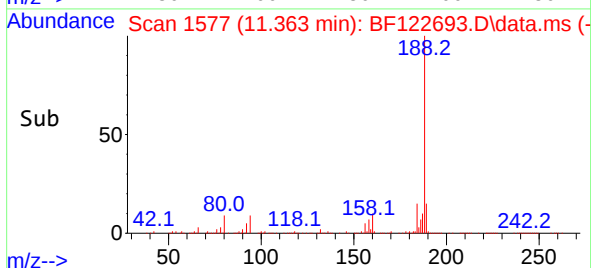
mohammad
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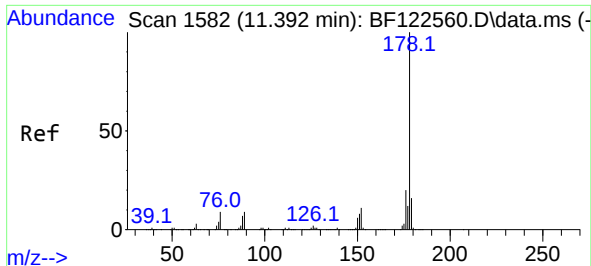


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

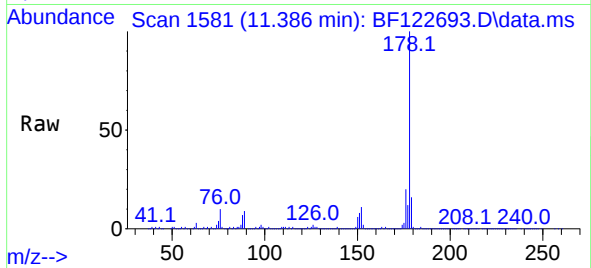


Tgt Ion:188 Resp: 494280
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 9.8 8.2 12.4

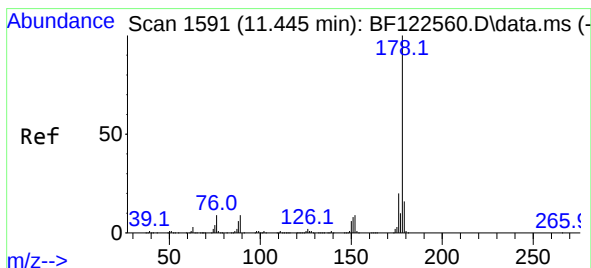
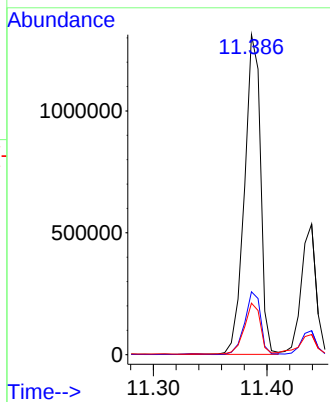
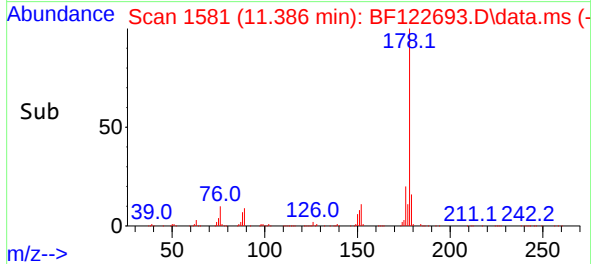




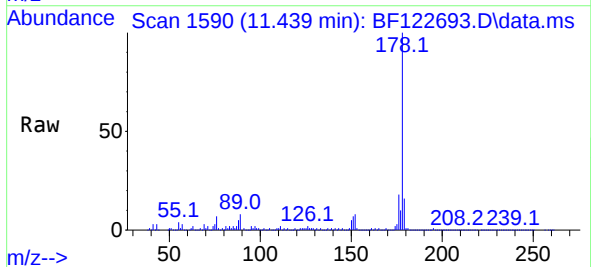
#71
Phenanthrene
Concen: 43.97 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



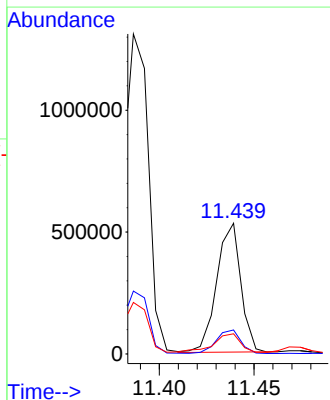
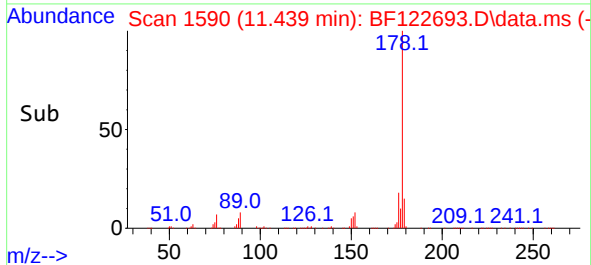
Tgt Ion:178 Resp: 1291562
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 16.1 12.7 19.1



#72
Anthracene
Concen: 16.11 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



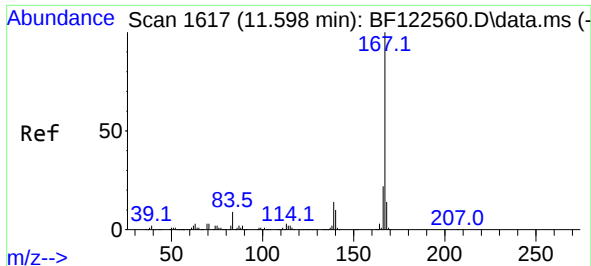
Tgt Ion:178 Resp: 469390
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.5 12.8 19.2



Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52

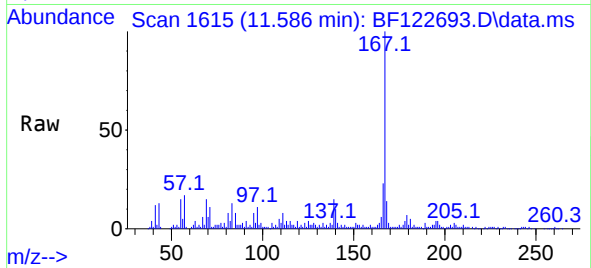
Manual Integrations
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#73
 Carbazole
 Concen: 4.75 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF122693.D
 Acq: 12 Dec 2020 22:55

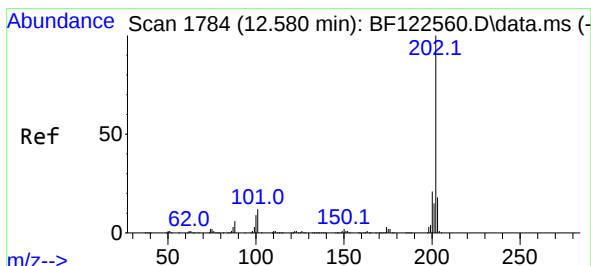
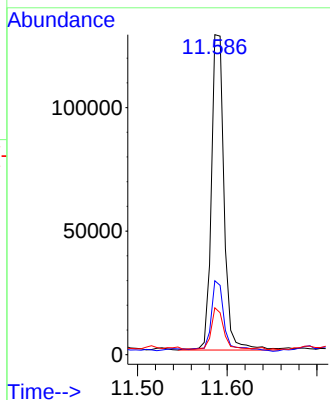
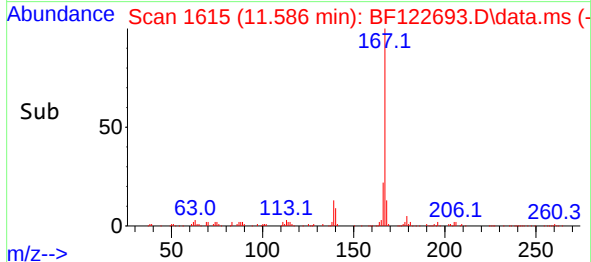
Instrument :
 BNA_F
 ClientSampleId :
 JBD-SB-01-0-52



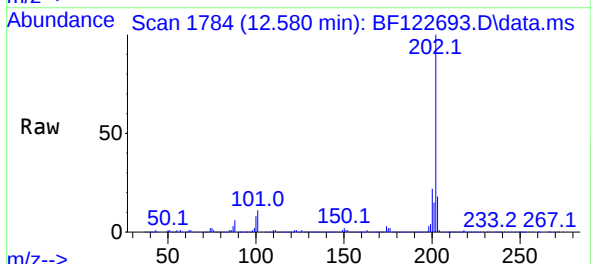
Tgt Ion:167 Resp: 125539
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.0 27.0
 139 14.6 10.9 16.3

Manual Integrations
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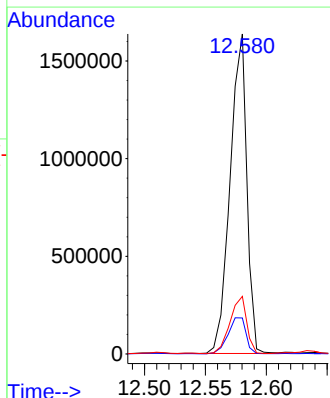
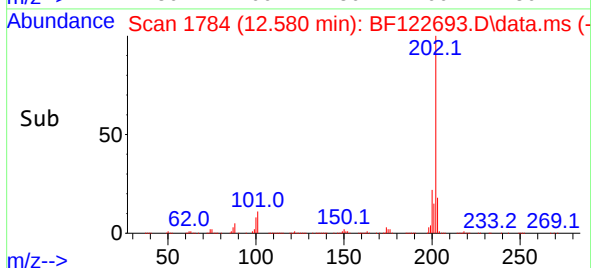
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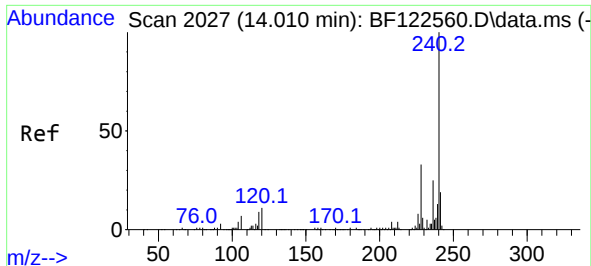


#75
 Fluoranthene
 Concen: 50.95 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: BF122693.D
 Acq: 12 Dec 2020 22:55

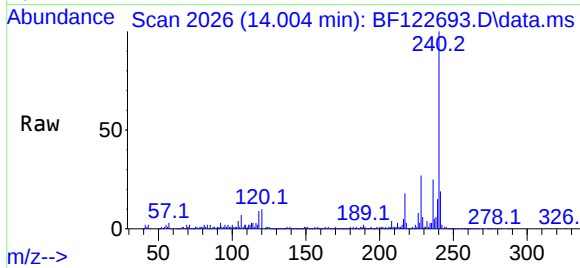


Tgt Ion:202 Resp: 1569619
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 32.2
 203 18.0 0.0 38.1

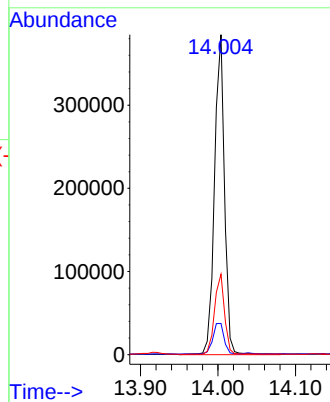
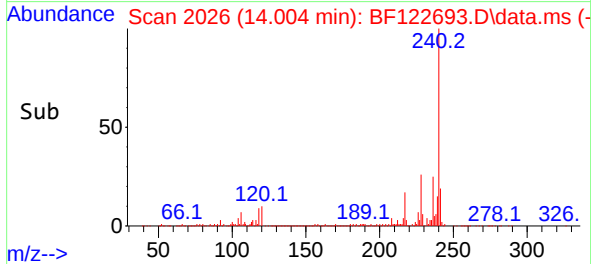




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



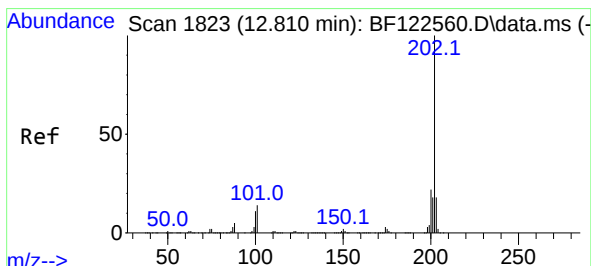
Tgt Ion:240 Resp: 345945
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.2 20.3 30.5



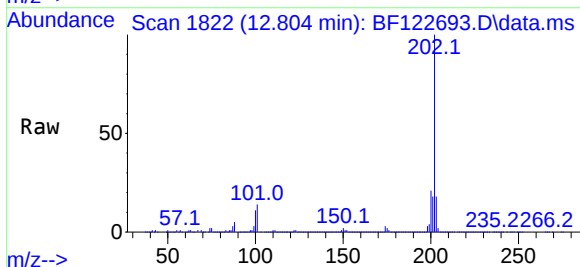
Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52

Manual Integrations
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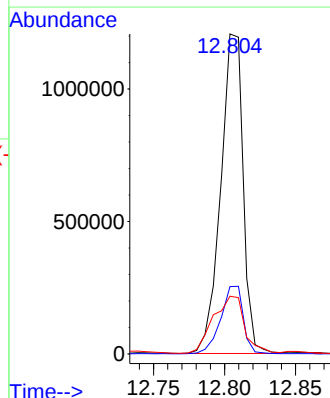
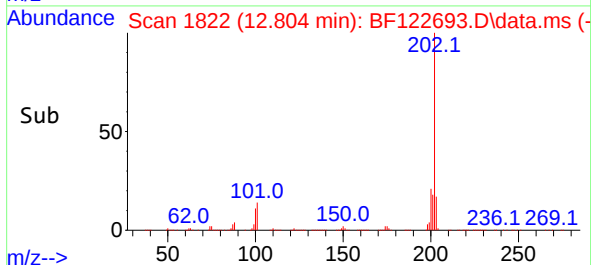
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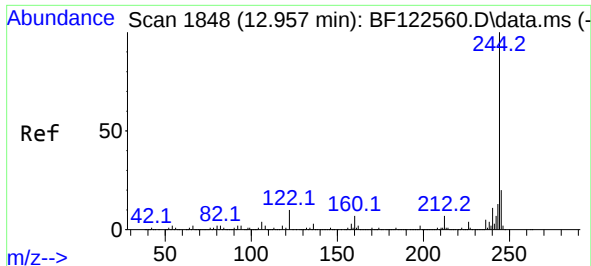


#78
Pyrene
Concen: 49.52 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



Tgt Ion:202 Resp: 1324427
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 18.1 14.6 21.8





#79
Terphenyl-d14
Concen: 52.05 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

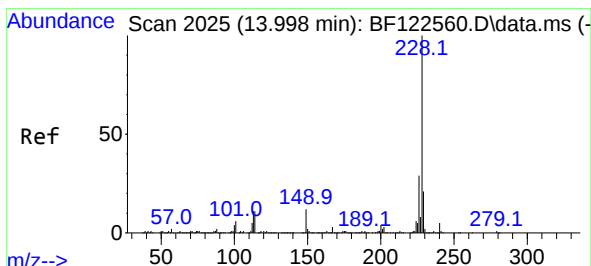
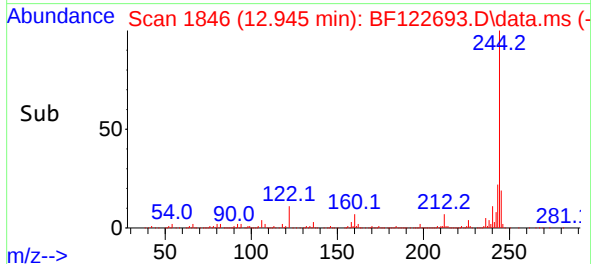
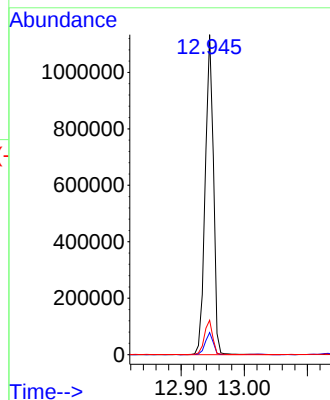
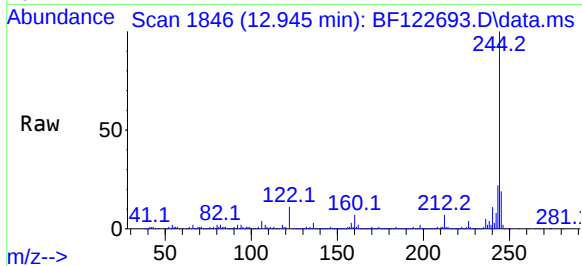
Tgt Ion:244 Resp: 1028609

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.7	8.3	12.5

Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52

Manual Integrations
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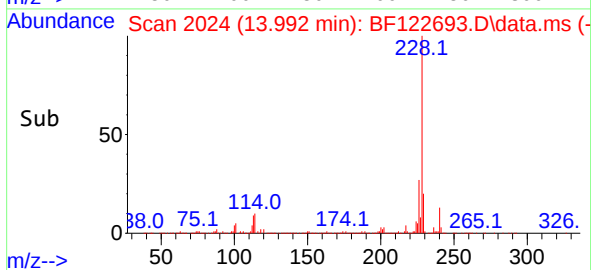
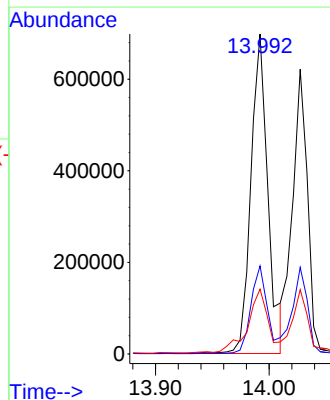
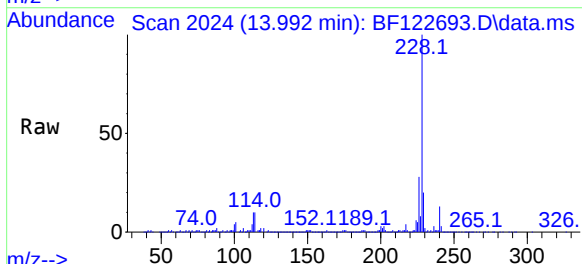
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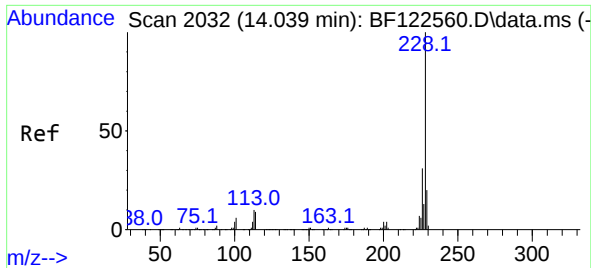


#81
Benzo(a)anthracene
Concen: 31.44 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:228 Resp: 726905

Ion	Ratio	Lower	Upper
228	100		
226	27.5	23.0	34.4
229	20.3	16.6	24.8





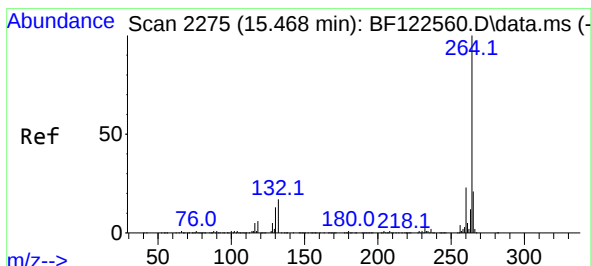
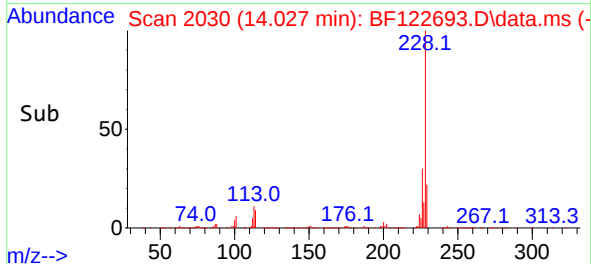
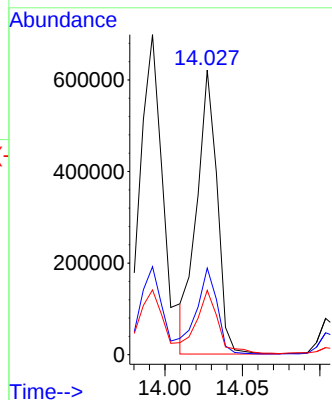
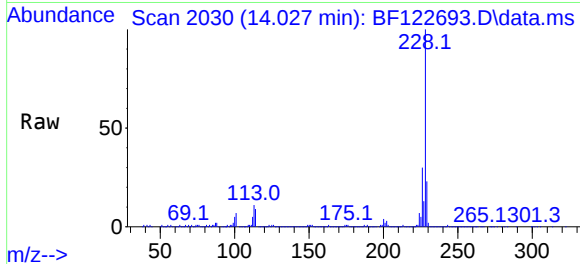
#83
Chrysene
Concen: 24.74 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:	228	Resp:	569174
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.6	36.8
229	22.6	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52

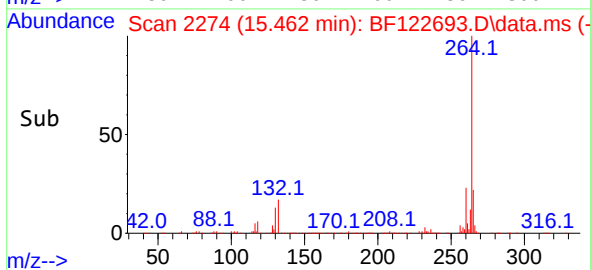
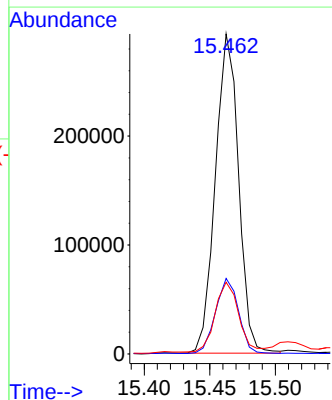
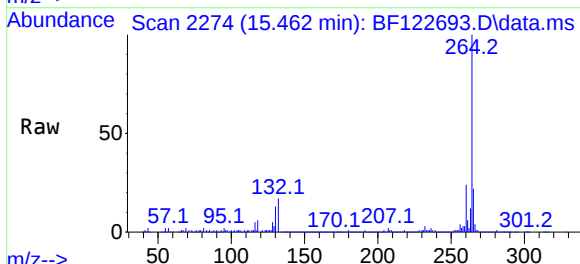
Manual Integrations
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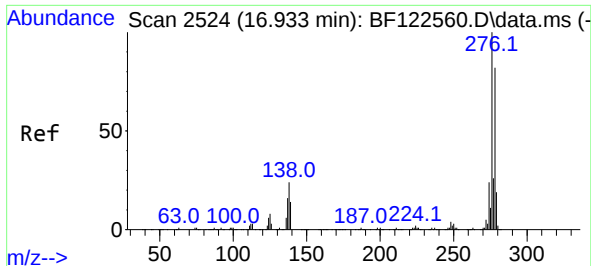
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:	264	Resp:	360523
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	22.4	17.0	25.6





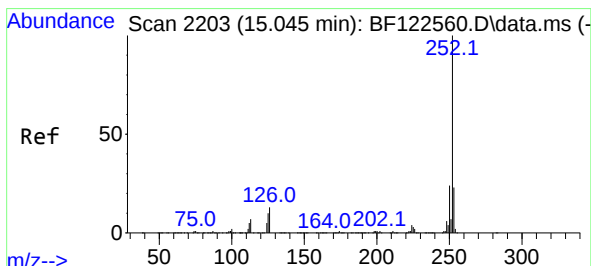
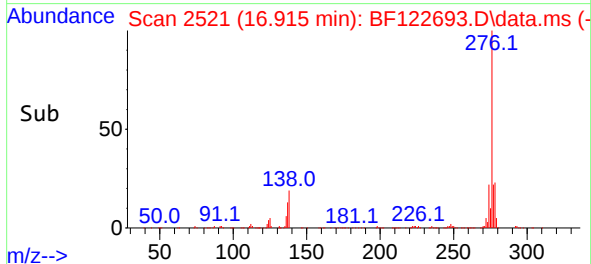
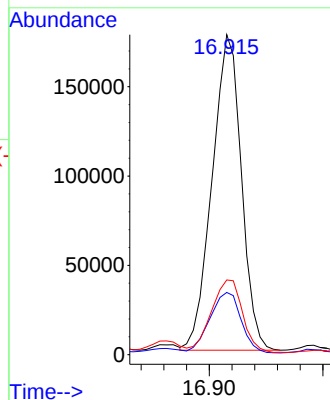
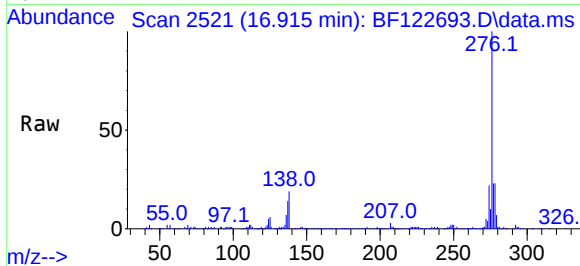
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.36 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion:	276	Resp:	316179
Ion Ratio	Lower	Upper	
276	100		
138	20.7	18.7	28.1
277	24.4	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52

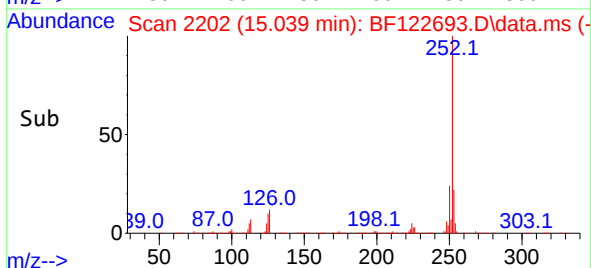
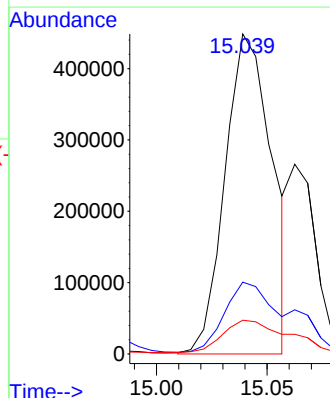
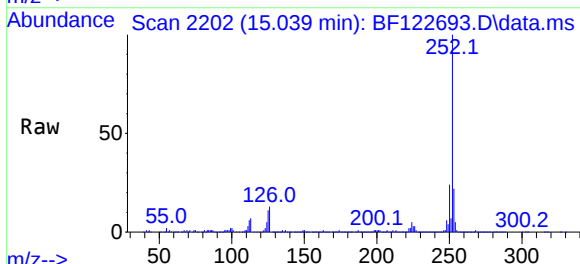
Manual Integrations
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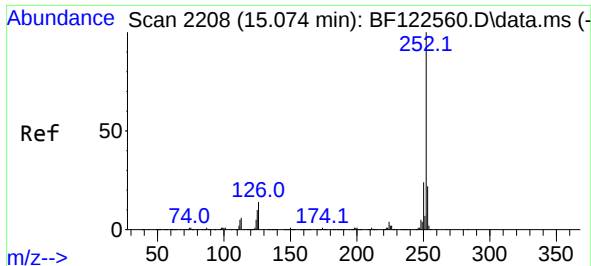
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#88
Benzo(b)fluoranthene
Concen: 26.25 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

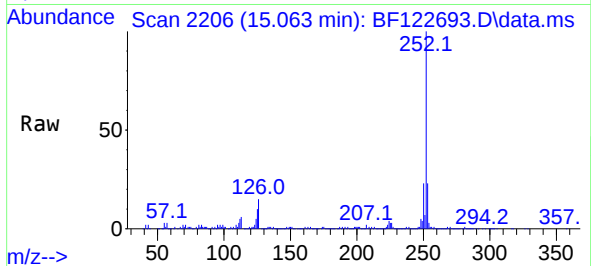
Tgt Ion:	252	Resp:	664011
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.3	27.5
125	10.6	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 9.65 ng m
RT: 15.063 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

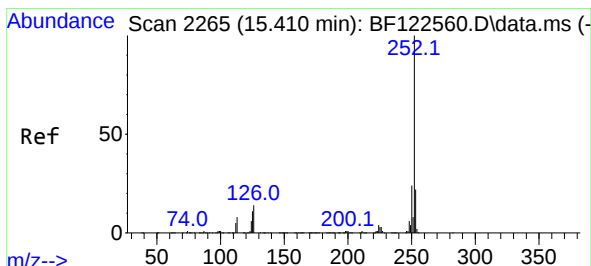
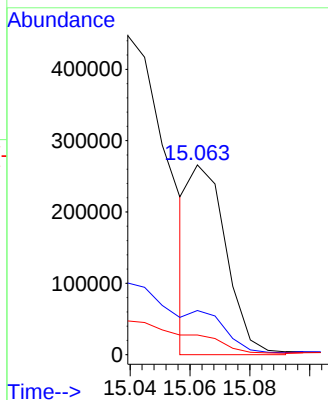
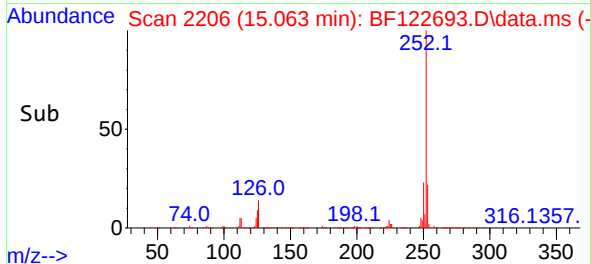
Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52



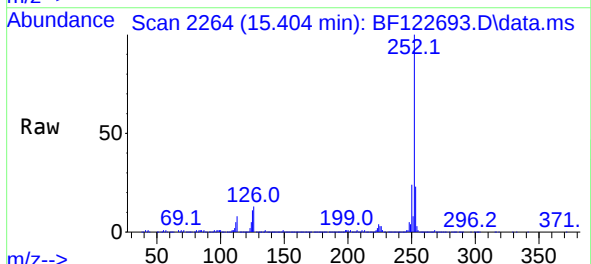
Tgt Ion:252 Resp: 223132
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.4 8.4 12.6

Manual Integrations
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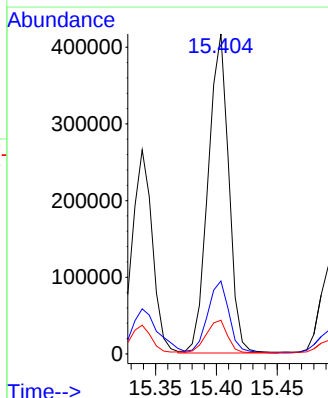
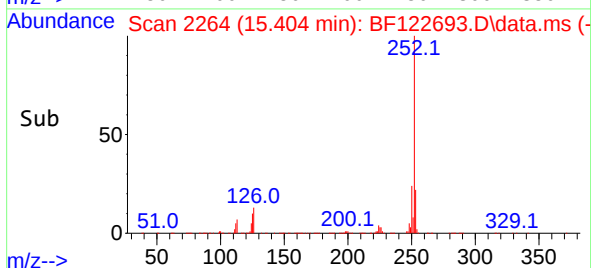
mohammad
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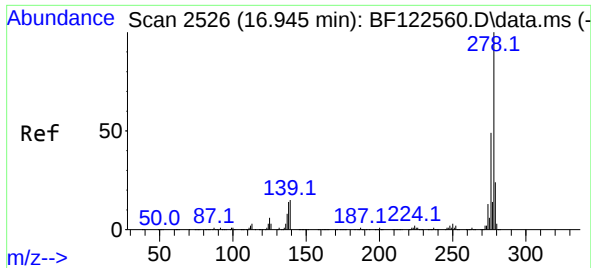


#90
Benzo(a)pyrene
Concen: 22.25 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55



Tgt Ion:252 Resp: 492384
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.5 8.6 12.8





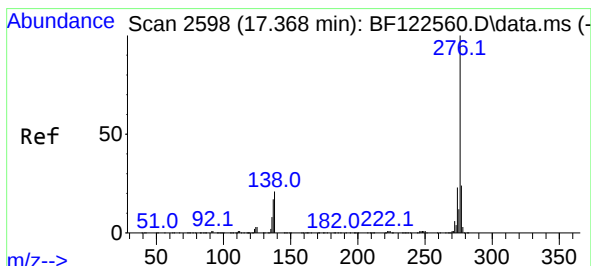
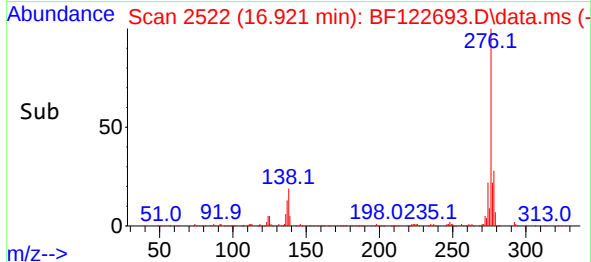
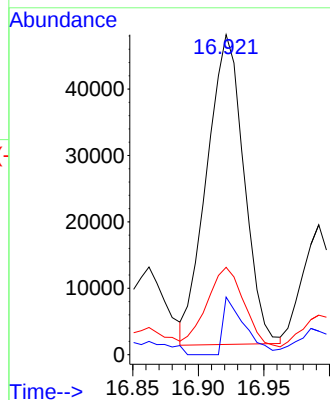
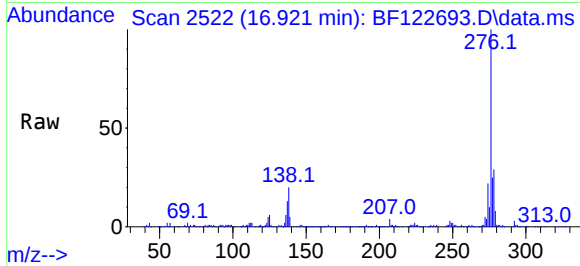
#91
Dibenzo(a,h)anthracene
Concen: 4.75 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.024 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion: 278 Resp: 92081
Ion Ratio Lower Upper
278 100
139 18.0 12.0 18.0
279 27.3 19.4 29.2

Instrument :
BNA_F
ClientSampleId :
JBD-SB-01-0-52

Manual Integrations
APPROVED

mohammad
12/15/2020 12:18:07 PM



#92
Benzo(g,h,i)perylene
Concen: 15.93 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF122693.D
Acq: 12 Dec 2020 22:55

Tgt Ion: 276 Resp: 298521
Ion Ratio Lower Upper
276 100
277 23.6 19.3 28.9
138 19.5 16.6 24.8

