

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124296.D
 Acq On : 12 Jun 2021 20:27
 Operator : JU/CG
 Sample : M2692-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-061121

Manual Integrations
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Quant Time: Jun 14 09:31:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	28702	20.000	ng	-0.01
21) Naphthalene-d8	8.128	136	102214	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	50042	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	78264	20.000	ng	0.00
76) Chrysene-d12	14.021	240	63572	20.000	ng	0.00
86) Perylene-d12	15.504	264	39604	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	17373	9.112	ng	0.00
7) Phenol-d6	6.498	99	19350	7.550	ng	0.00
23) Nitrobenzene-d5	7.404	82	14542	5.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	5060	7.137	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	26025	6.544	ng	-0.01
79) Terphenyl-d14	12.951	244	26537	5.731	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.145	128	84948	13.901	ng	96
37) 2-Methylnaphthalene	8.839	142	45592	10.639	ng	99
38) 1-Methylnaphthalene	8.939	142	35987	8.986	ng	98
46) 1,1'-Biphenyl	9.304	154	9342	2.211	ng	89
52) Acenaphthene	9.916	154	26805	8.211	ng	# 78
55) Dibenzofuran	10.086	168	35652	6.978	ng	96
58) Fluorene	10.428	166	54040	13.779	ng	96
71) Phenanthrene	11.398	178	314676	64.364	ng	99
72) Anthracene	11.445	178	82469	16.749	ng	97
73) Carbazole	11.610	167	17320	4.037	ng	# 90
75) Fluoranthene	12.592	202	261037	50.866	ng	97
78) Pyrene	12.822	202	241285	39.525	ng	97
81) Benzo(a)anthracene	14.010	228	89589	19.345	ng	99
83) Chrysene	14.045	228	65180m	14.587	ng	
87) Indeno(1,2,3-cd)pyrene	16.986	276	19920	9.833	ng	# 75
88) Benzo(b)fluoranthene	15.068	252	50653m	16.465	ng	
89) Benzo(k)fluoranthene	15.092	252	16663m	5.721	ng	
90) Benzo(a)pyrene	15.439	252	40091	15.003	ng	# 93
91) Dibenzo(a,h)anthracene	16.992	278	7239	6.524	ng	# 74
92) Benzo(g,h,i)perylene	17.445	276	22212	11.174	ng	# 92

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

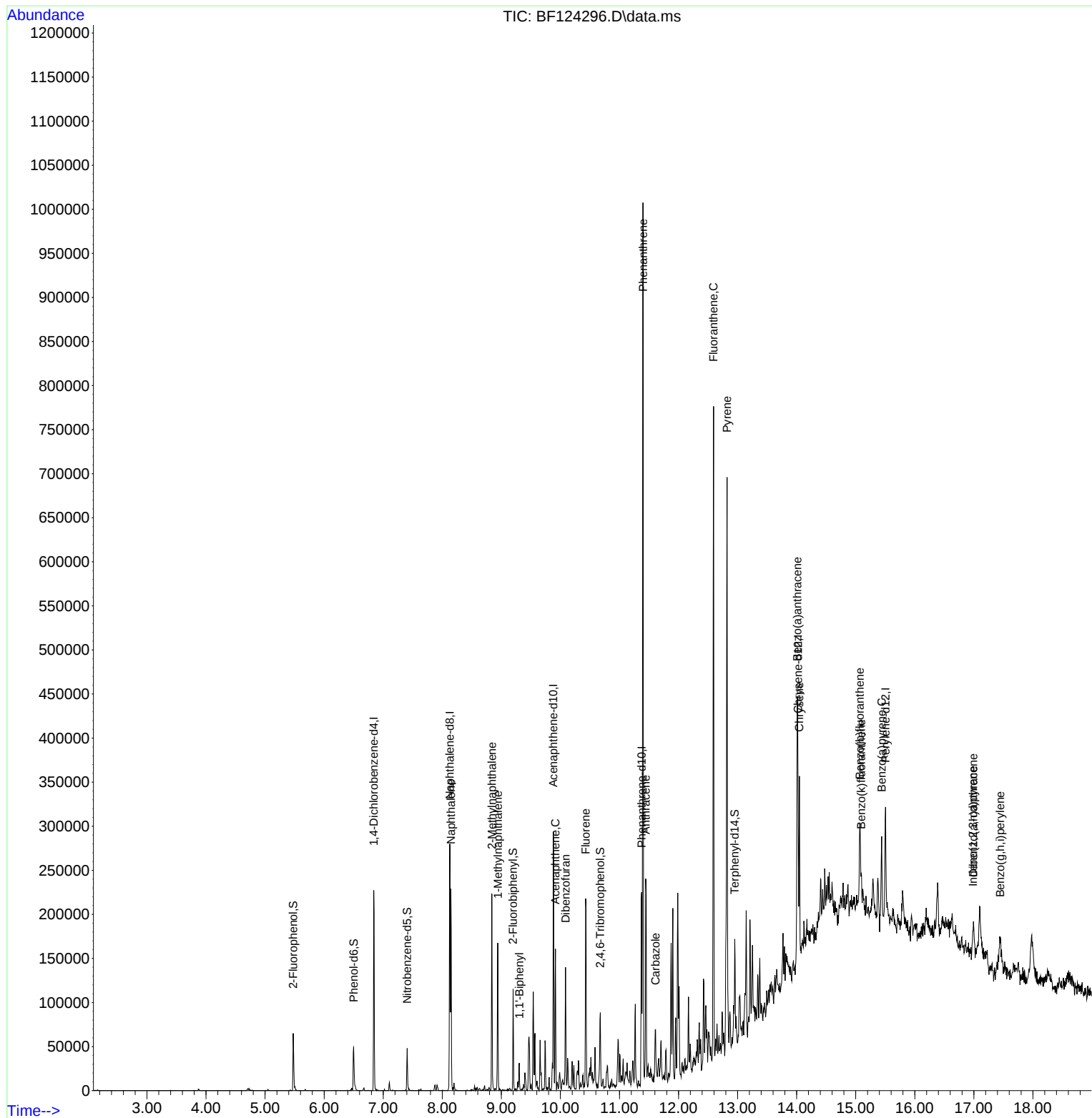
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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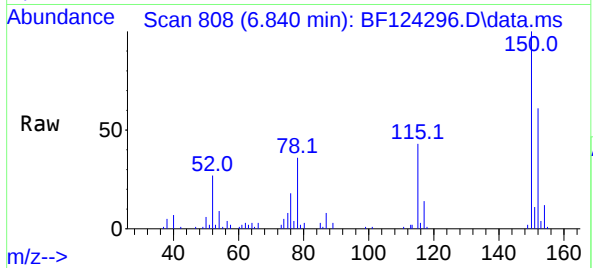
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Quant Time: Jun 14 09:31:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 10 01:53:56 2021
Response via : Initial Calibration

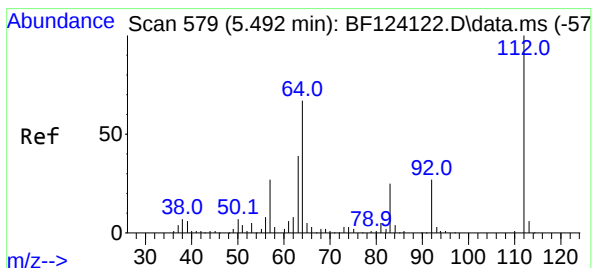
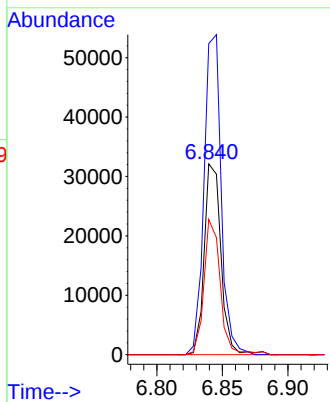
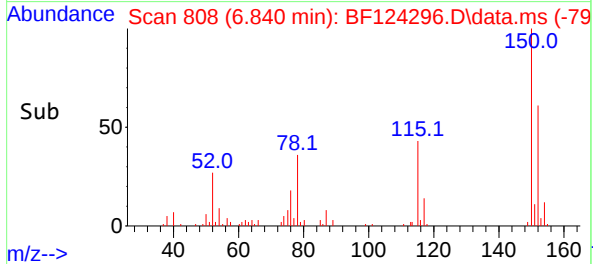




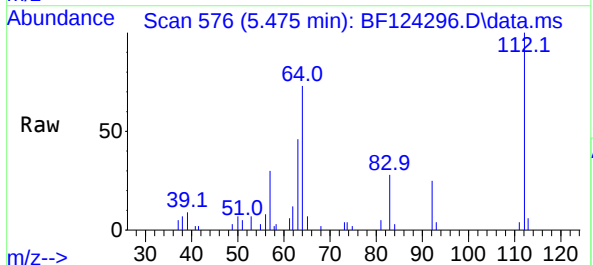
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



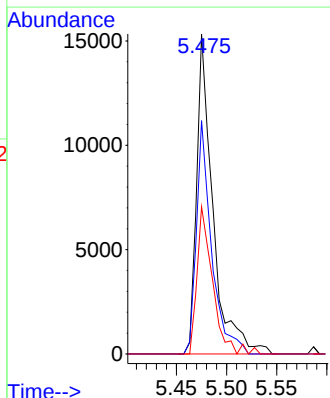
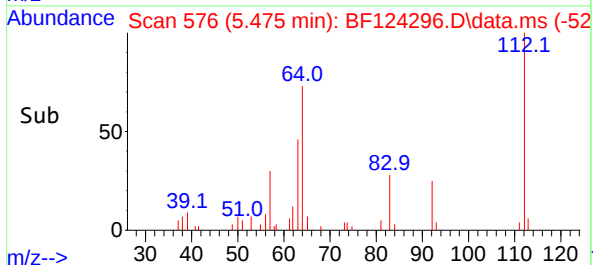
Tgt Ion:152 Resp: 28702
Ion Ratio Lower Upper
152 100
150 163.0 127.0 190.6
115 70.8 54.3 81.5



#5
2-Fluorophenol
Concen: 9.112 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



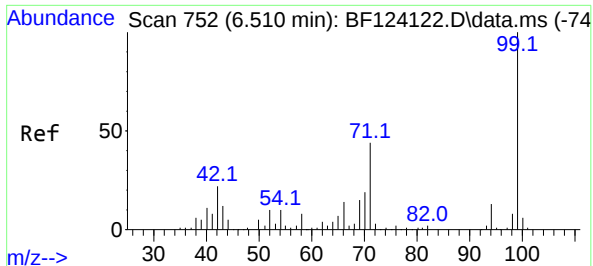
Tgt Ion:112 Resp: 17373
Ion Ratio Lower Upper
112 100
64 72.9 61.4 92.0
63 46.0 33.0 49.4



Instrument :
BNA_F
ClientSampled :
CL-01-061121

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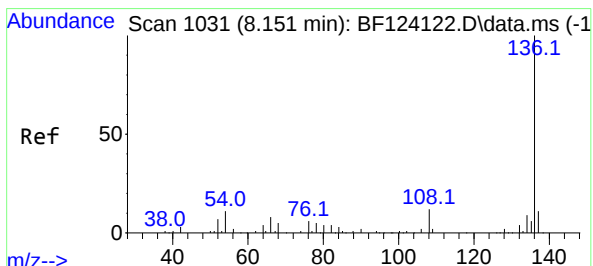
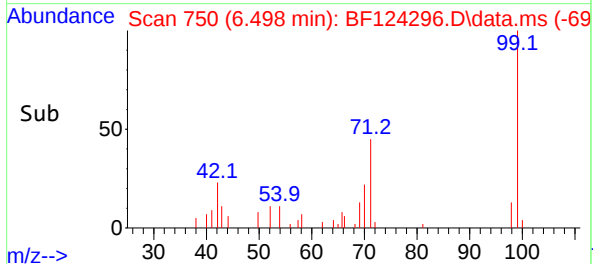
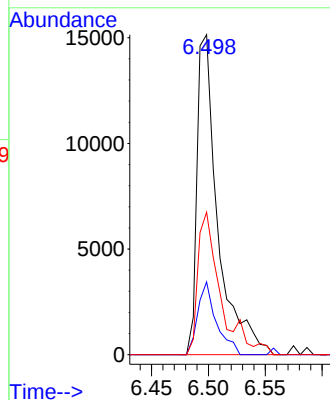
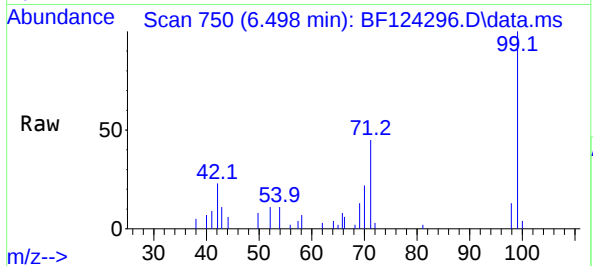
#7
Phenol-d6
Concen: 7.550 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Tgt Ion: 99	Resp: 19350
Ion Ratio	Lower Upper
99 100	
42 22.7	19.8 29.8
71 44.6	31.1 46.7

Instrument :
BNA_F
ClientSampled :
CL-01-061121

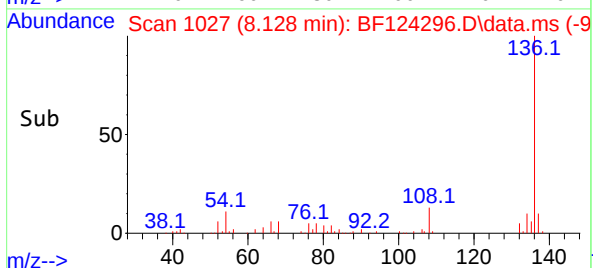
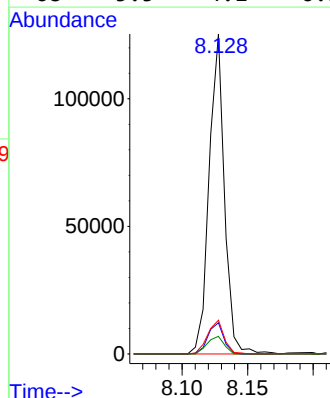
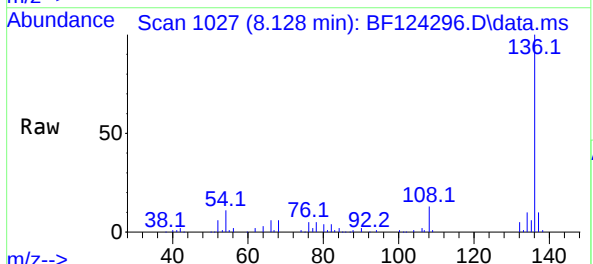
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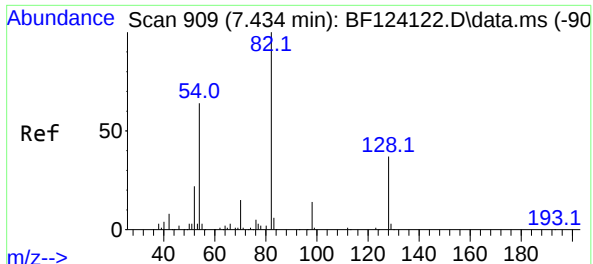
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

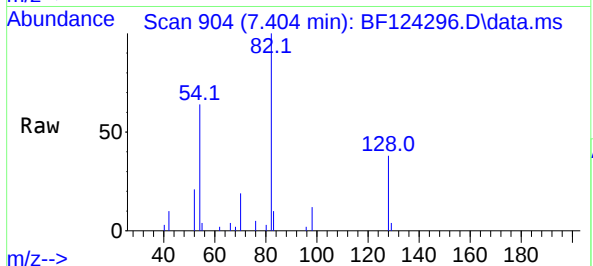
Tgt Ion: 136	Resp: 102214
Ion Ratio	Lower Upper
136 100	
137 9.8	8.7 13.1
54 10.6	9.8 14.6
68 5.5	4.1 6.1





#23
Nitrobenzene-d5
Concen: 5.643 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

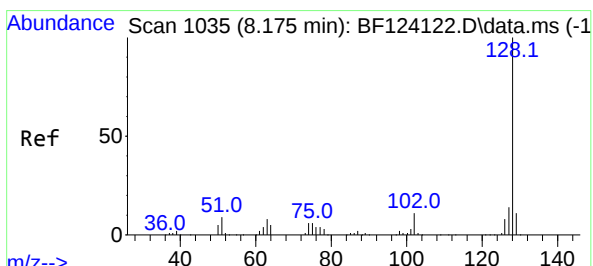
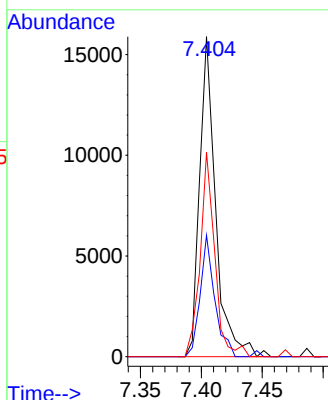
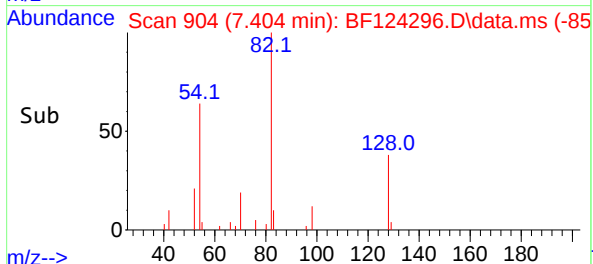


Tgt Ion: 82 Resp: 14542

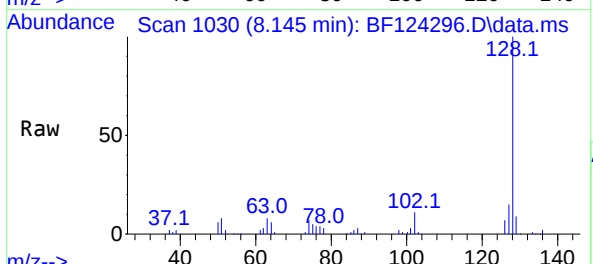
Ion	Ratio	Lower	Upper
82	100		
128	37.9	29.4	44.2
54	63.9	54.1	81.1

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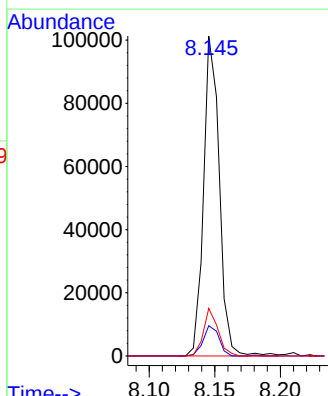
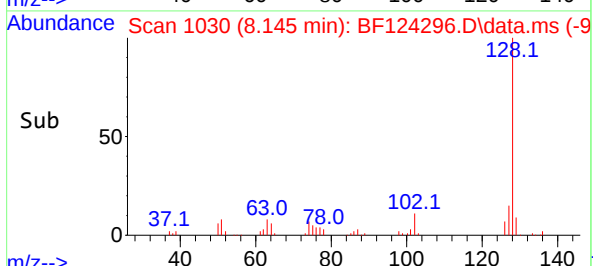


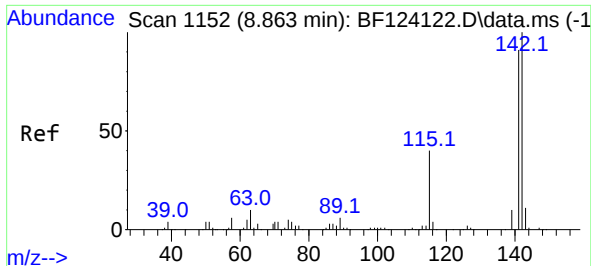
#31
Naphthalene
Concen: 13.901 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



Tgt Ion: 128 Resp: 84948

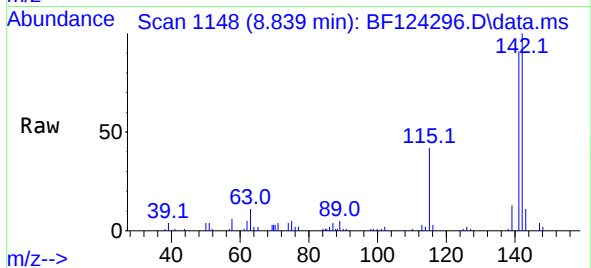
Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.9	13.3
127	14.9	10.8	16.2





#37
2-Methylnaphthalene
Concen: 10.639 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

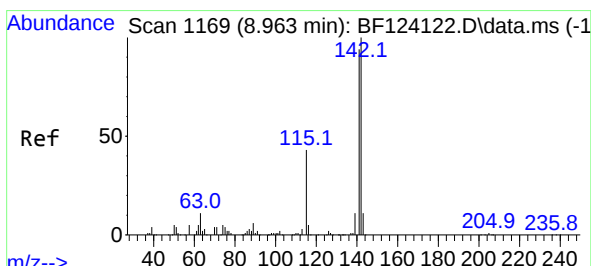
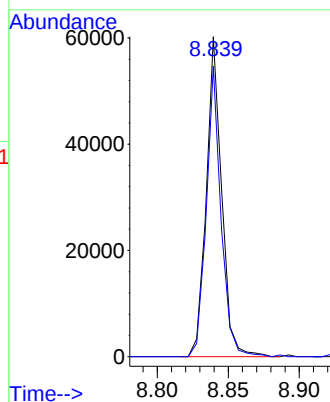
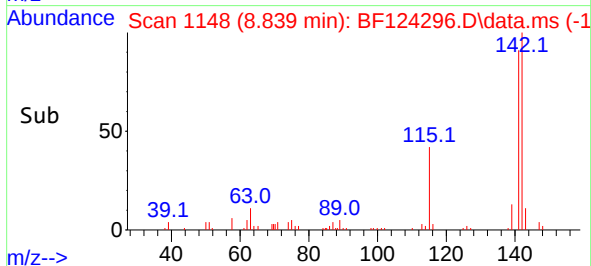
Instrument :
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ClientSampled :
CL-01-061121



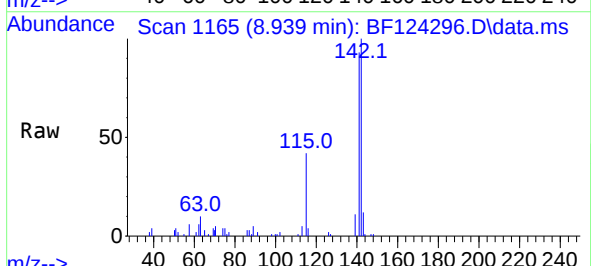
Tgt Ion:142 Resp: 45592
Ion Ratio Lower Upper
142 100
141 90.8 71.8 107.6

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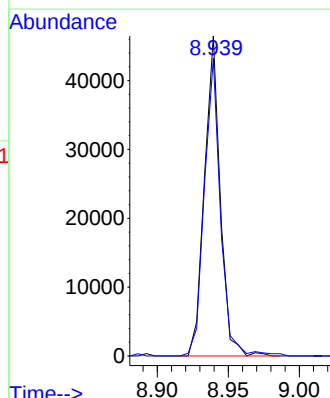
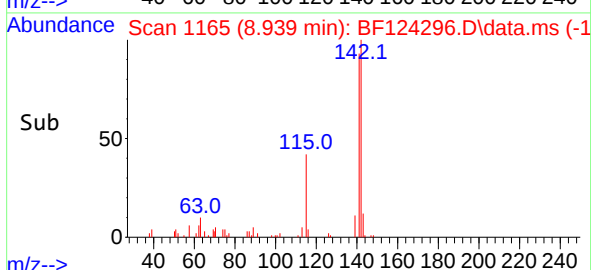
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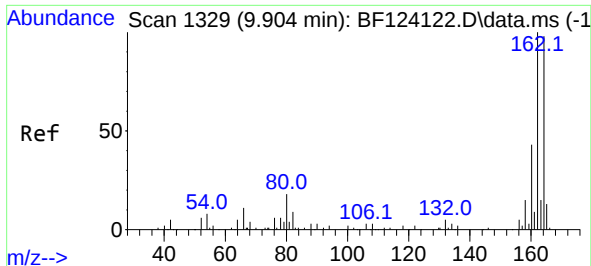


#38
1-Methylnaphthalene
Concen: 8.986 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



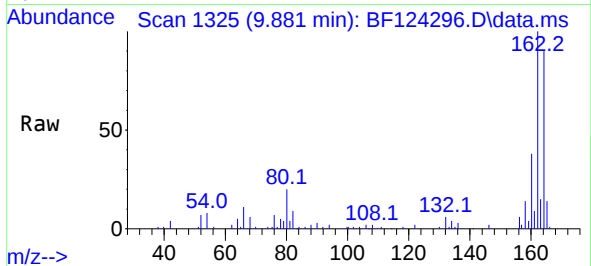
Tgt Ion:142 Resp: 35987
Ion Ratio Lower Upper
142 100
141 93.0 72.8 109.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.011 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

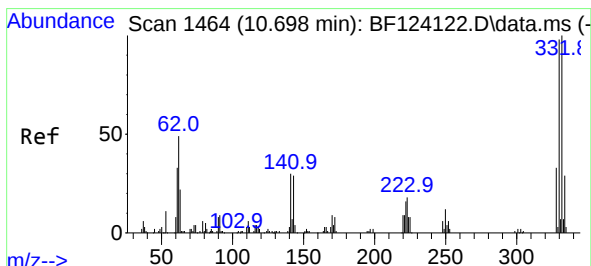
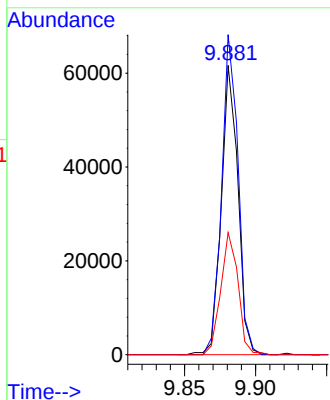
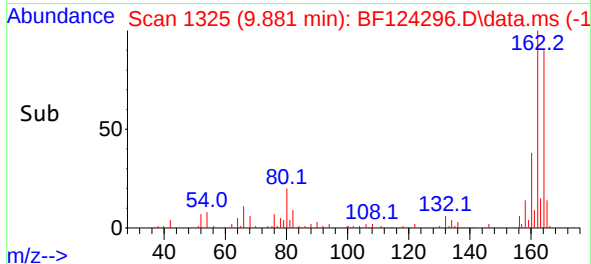
Instrument :
BNA_F
ClientSampled :
CL-01-061121



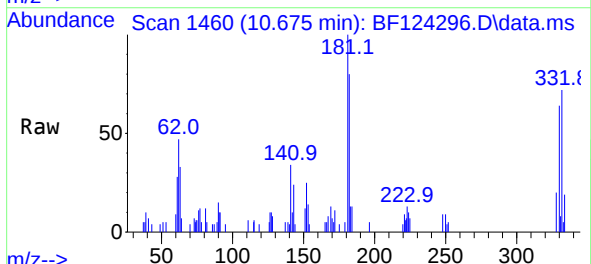
Tgt Ion:164 Resp: 50042
Ion Ratio Lower Upper
164 100
162 110.6 80.7 121.1
160 42.2 37.3 55.9

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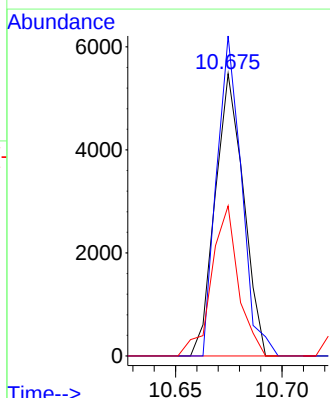
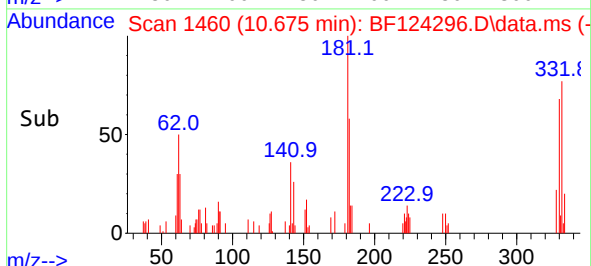
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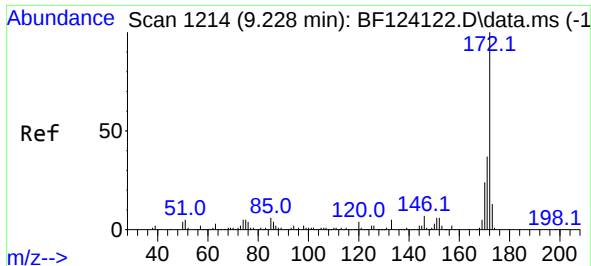


#42
2,4,6-Tribromophenol
Concen: 7.137 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



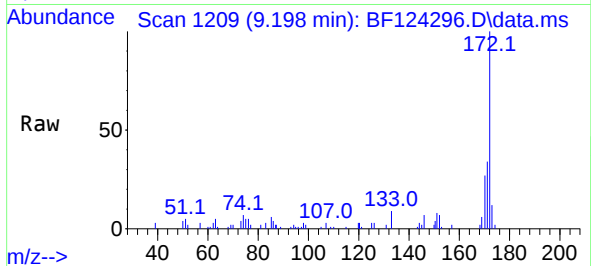
Tgt Ion:330 Resp: 5060
Ion Ratio Lower Upper
330 100
332 99.2 77.1 115.7
141 50.5 27.9 41.9#





#45
2-Fluorobiphenyl
Concen: 6.544 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

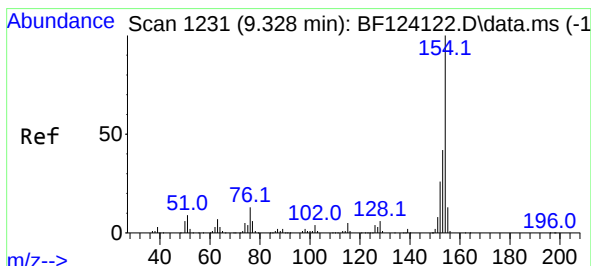
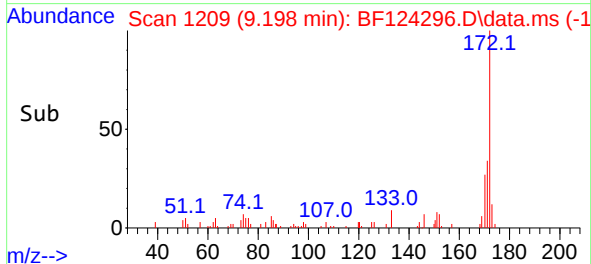
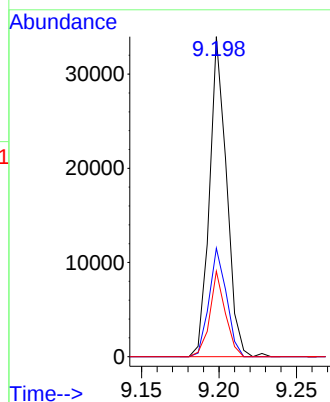
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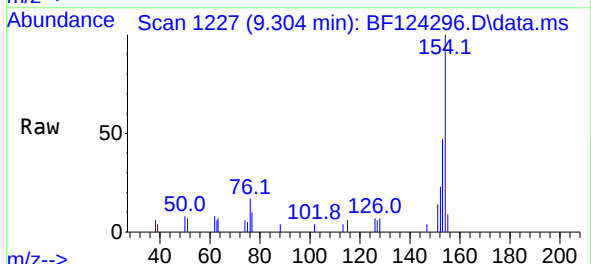
Tgt Ion:172 Resp: 26025
Ion Ratio Lower Upper
172 100
171 33.9 28.1 42.1
170 26.7 19.2 28.8

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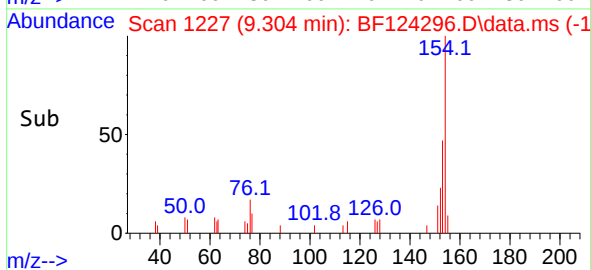
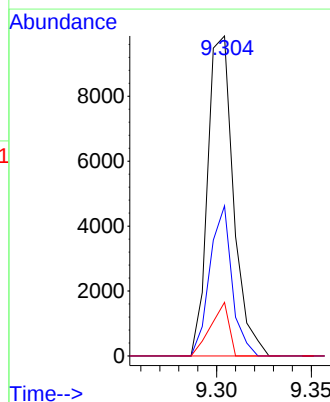
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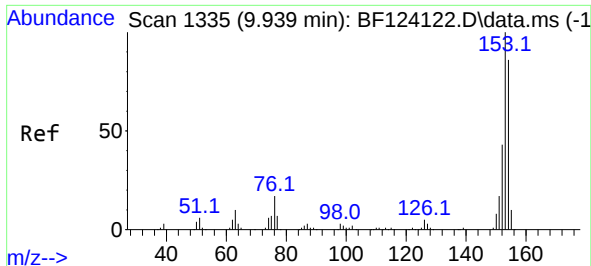


#46
1,1'-Biphenyl
Concen: 2.211 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

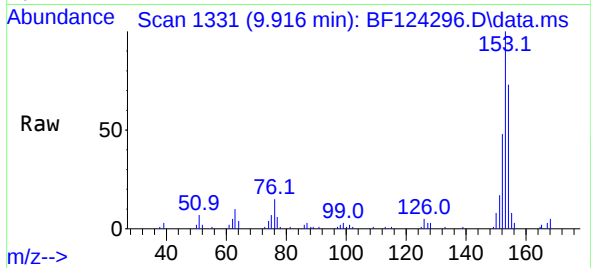


Tgt Ion:154 Resp: 9342
Ion Ratio Lower Upper
154 100
153 46.9 20.7 60.7
76 16.7 0.0 31.7

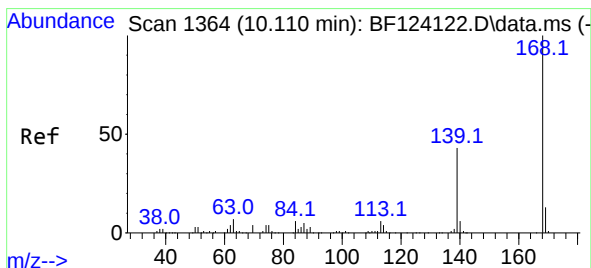
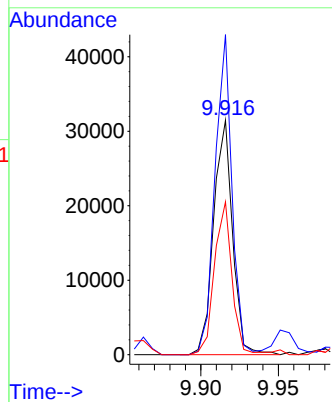
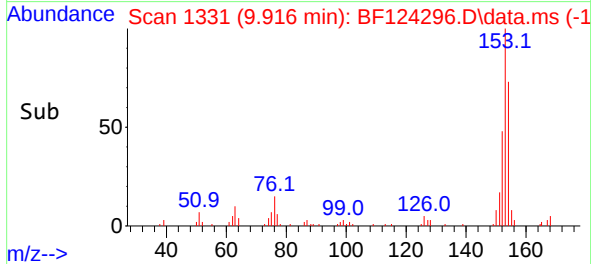




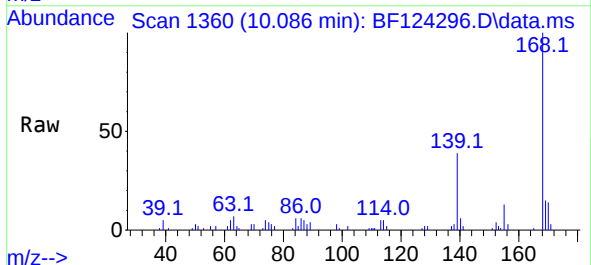
#52
Acenaphthene
Concen: 8.211 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



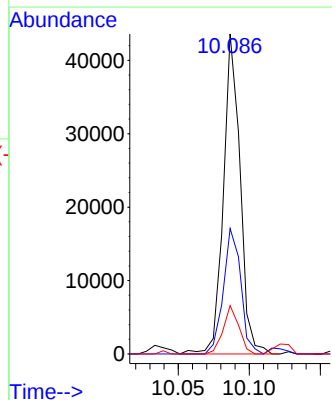
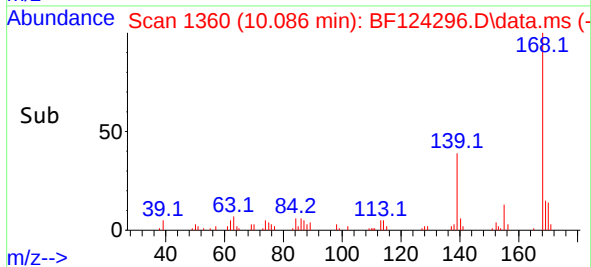
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Ion Ratio Lower Upper
154 100
153 136.5 88.1 132.1#
152 65.2 43.4 65.0#



#55
Dibenzofuran
Concen: 6.978 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



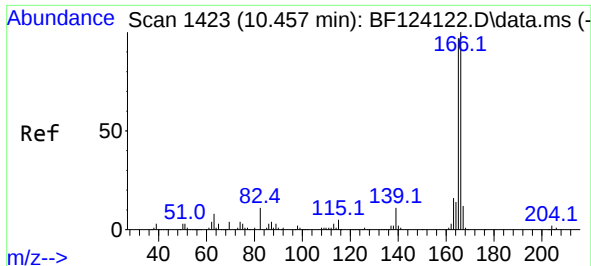
Tgt Ion:168 Resp: 35652
Ion Ratio Lower Upper
168 100
139 39.2 33.2 49.8
169 15.1 10.8 16.2



Instrument :
BNA_F
ClientSampled :
CL-01-061121

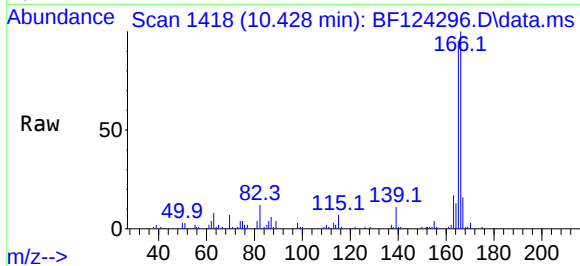
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#58
Fluorene
Concen: 13.779 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

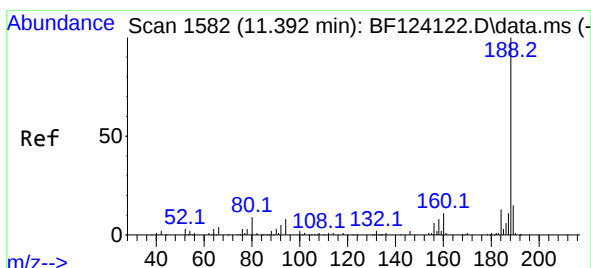
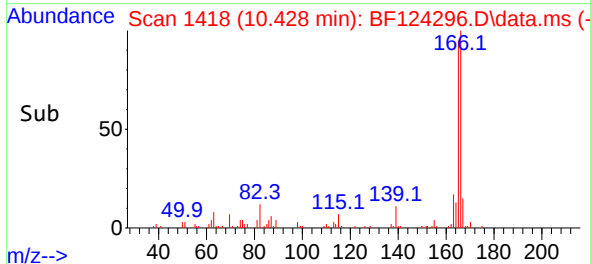
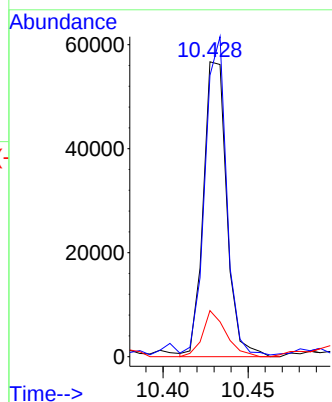
Instrument :
BNA_F
ClientSampleId :
CL-01-061121



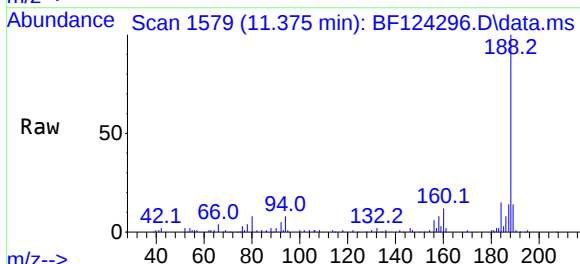
Tgt Ion:166 Resp: 54040
Ion Ratio Lower Upper
166 100
165 95.4 73.5 110.3
167 15.6 10.7 16.1

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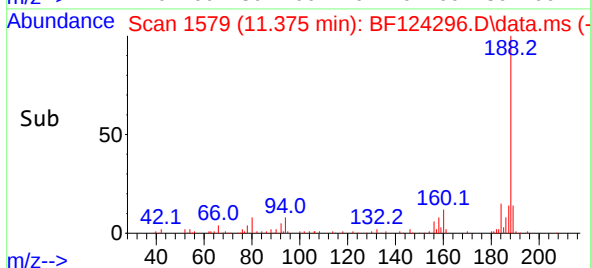
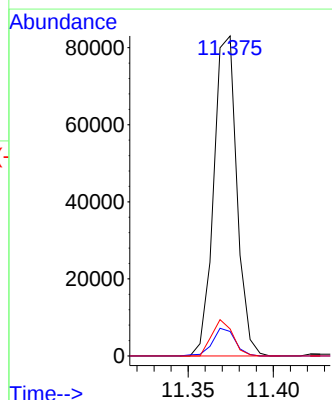
mohammad
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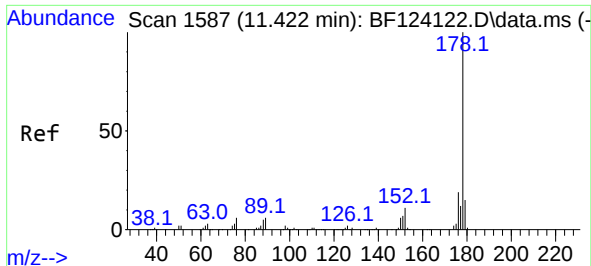


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



Tgt Ion:188 Resp: 78264
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 8.4 8.2 12.2





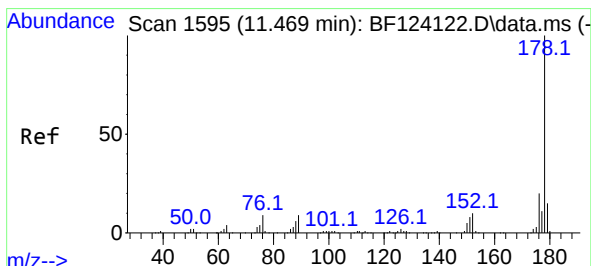
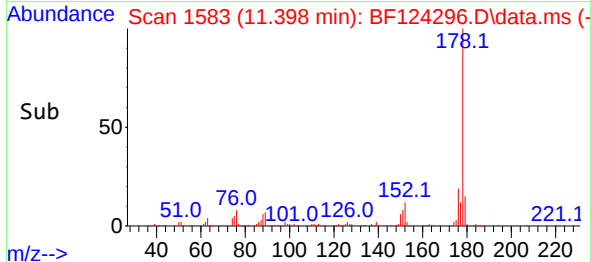
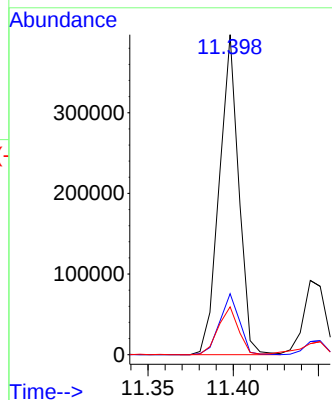
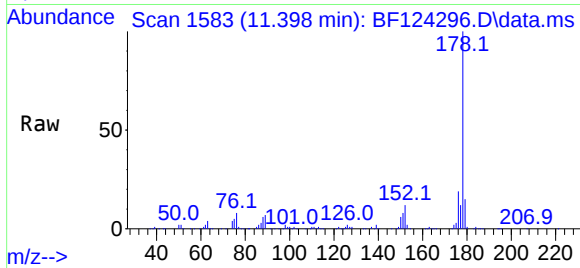
#71
Phenanthrene
Concen: 64.364 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Tgt Ion:178 Resp: 314676
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.9 12.5 18.7

Instrument :
BNA_F
ClientSampled :
CL-01-061121

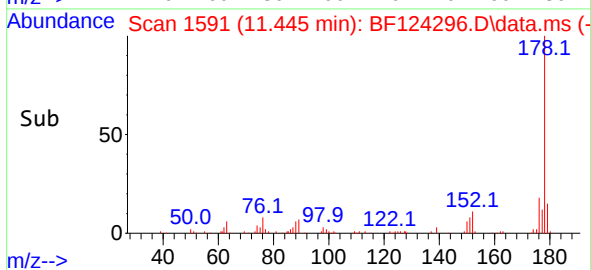
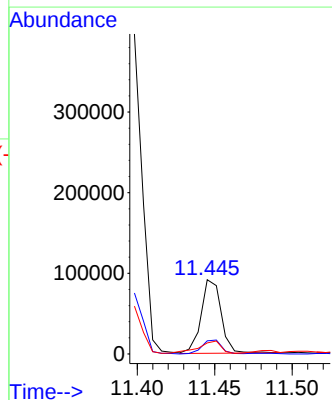
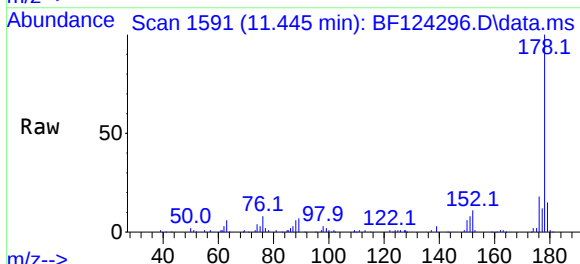
Manual Integrations
APPROVED

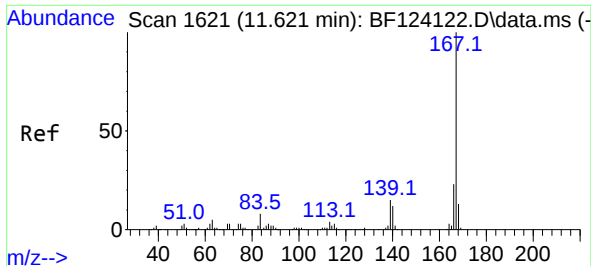
mohammad
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#72
Anthracene
Concen: 16.749 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

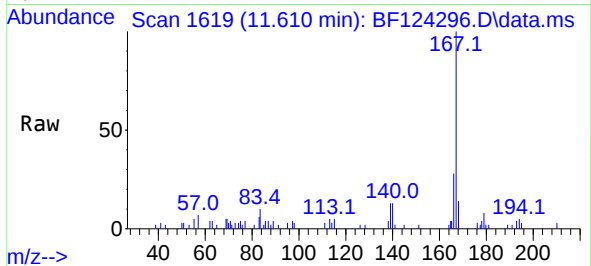
Tgt Ion:178 Resp: 82469
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 14.9 12.6 18.8





#73
 Carbazole
 Concen: 4.037 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: BF124296.D
 Acq: 12 Jun 2021 20:27

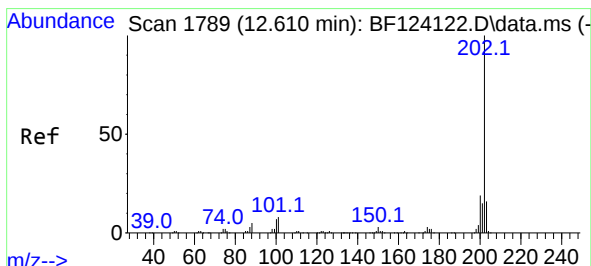
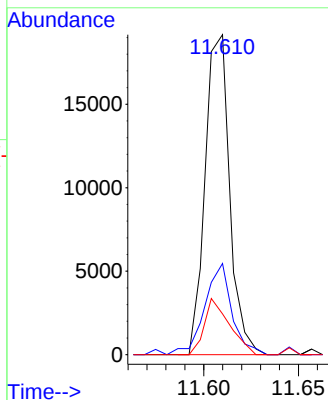
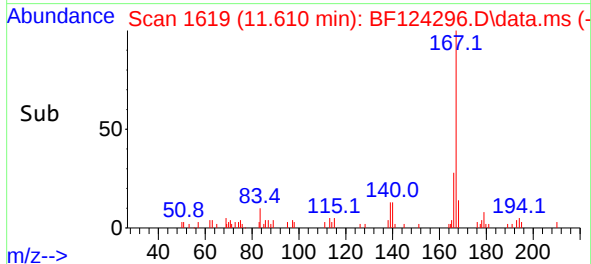
Instrument :
 BNA_F
 ClientSampled :
 CL-01-061121



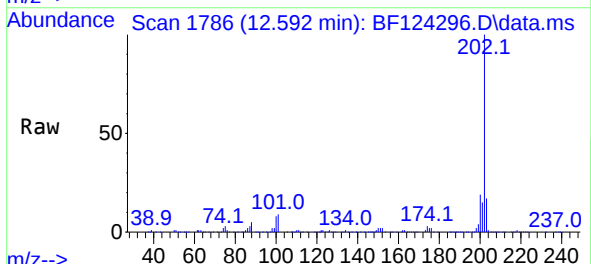
Tgt Ion:167 Resp: 17320
 Ion Ratio Lower Upper
 167 100
 166 28.5 17.0 25.6#
 139 12.8 10.4 15.6

Manual Integrations
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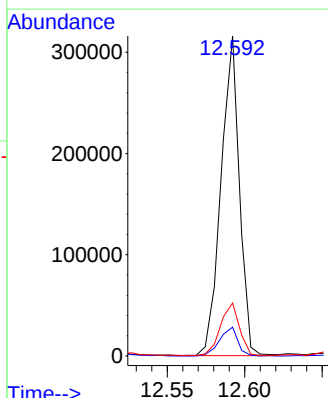
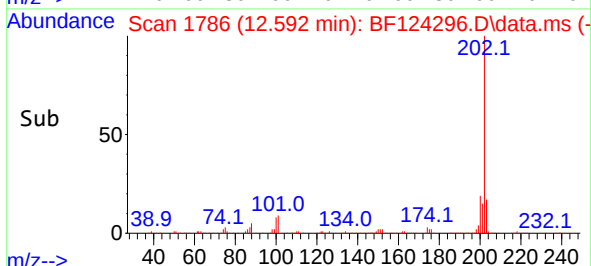
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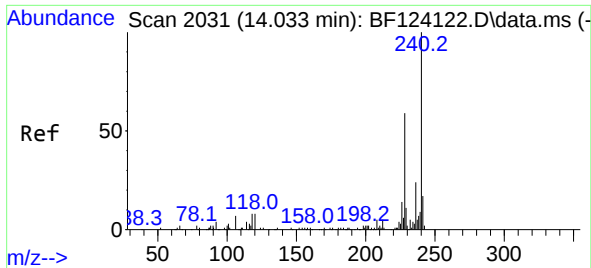


#75
 Fluoranthene
 Concen: 50.866 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. 0.000 min
 Lab File: BF124296.D
 Acq: 12 Jun 2021 20:27



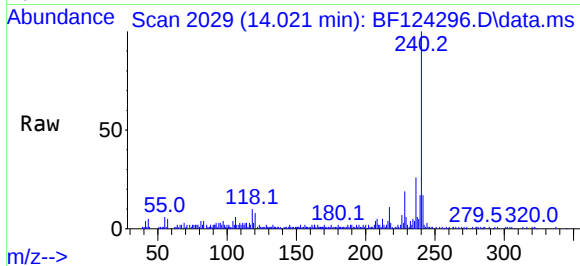
Tgt Ion:202 Resp: 261037
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.9
 203 16.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

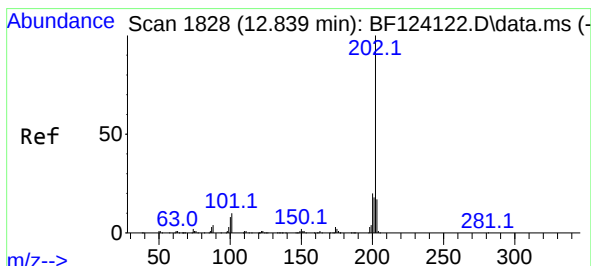
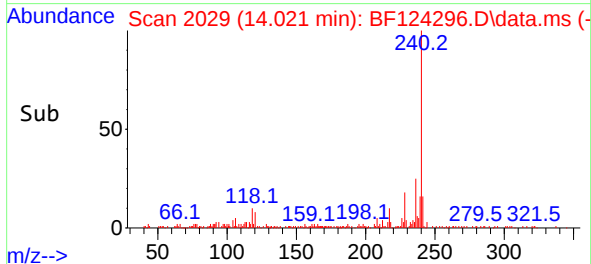
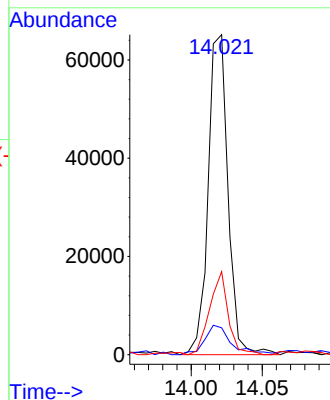
Instrument :
BNA_F
ClientSampleId :
CL-01-061121



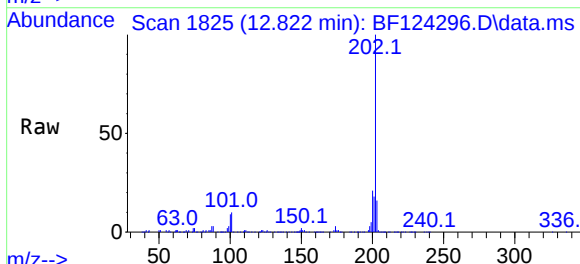
Tgt Ion:240 Resp: 63572
Ion Ratio Lower Upper
240 100
120 8.4 7.2 10.8
236 26.0 19.0 28.4

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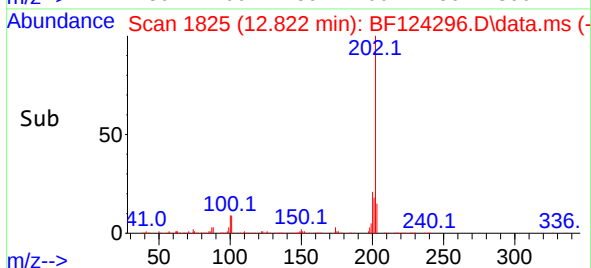
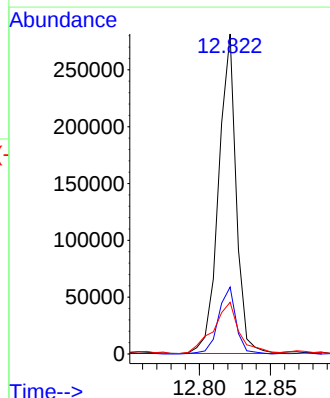
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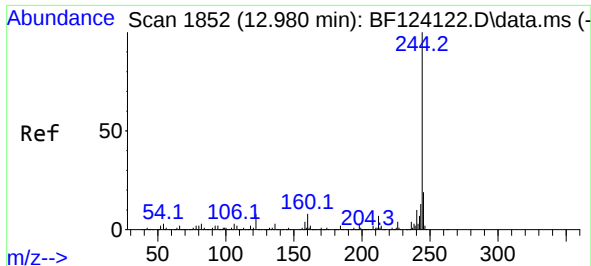


#78
Pyrene
Concen: 39.525 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



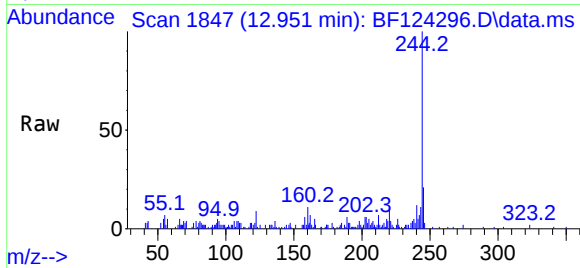
Tgt Ion:202 Resp: 241285
Ion Ratio Lower Upper
202 100
200 20.9 16.1 24.1
203 16.2 14.8 22.2





#79
Terphenyl-d14
Concen: 5.731 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

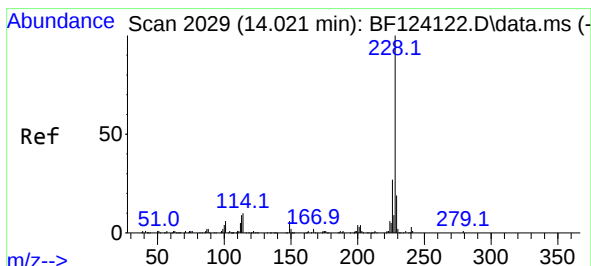
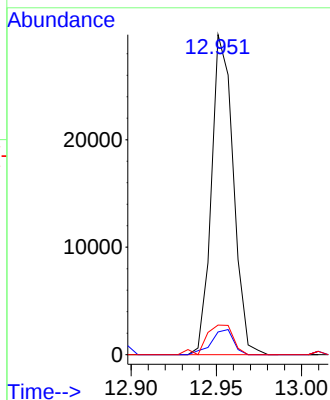
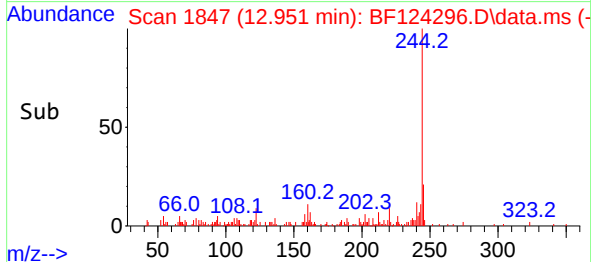
Instrument :
BNA_F
ClientSampleId :
CL-01-061121



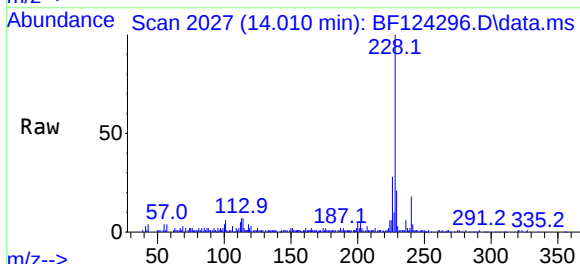
Tgt Ion:244 Resp: 26537
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 9.2 9.7 14.5#

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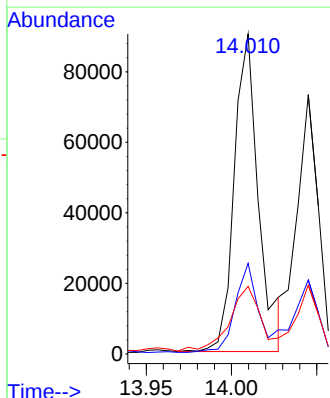
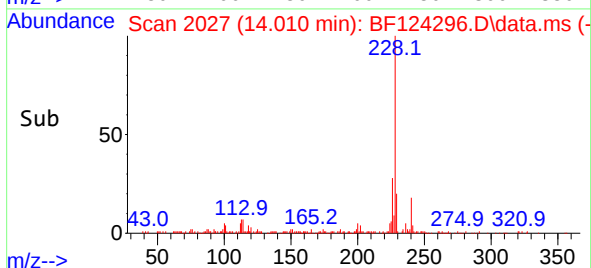
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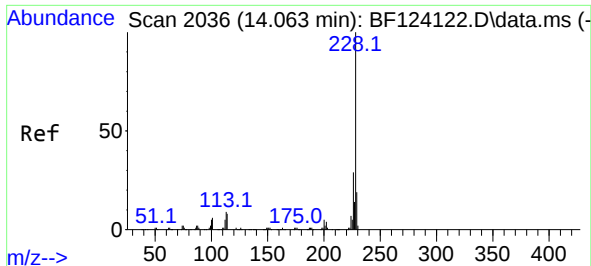


#81
Benzo(a)anthracene
Concen: 19.345 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



Tgt Ion:228 Resp: 89589
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 21.1 16.0 24.0





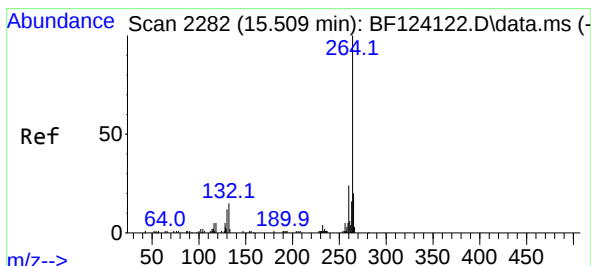
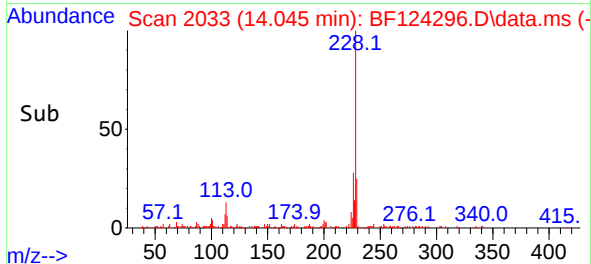
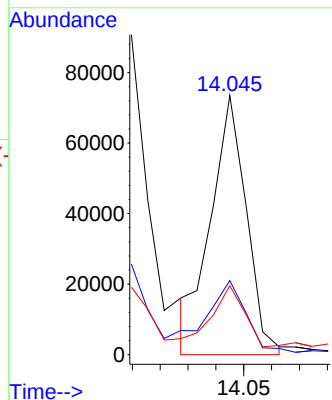
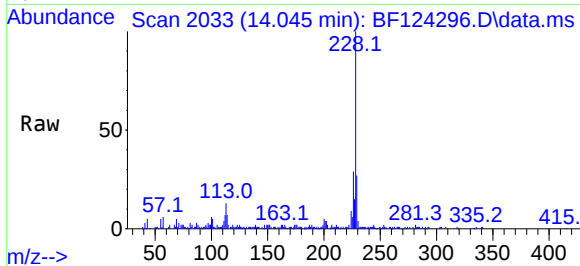
#83
Chrysene
Concen: 14.587 ng m
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Tgt Ion:	228	Resp:	65180
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.3	36.5
229	26.6	16.2	24.2#

Instrument :
BNA_F
ClientSampled :
CL-01-061121

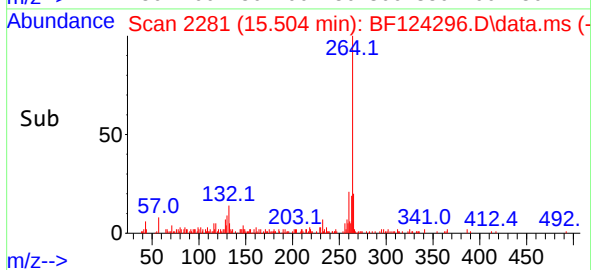
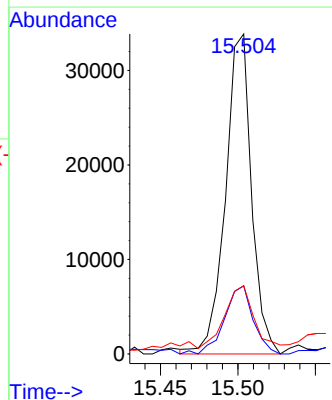
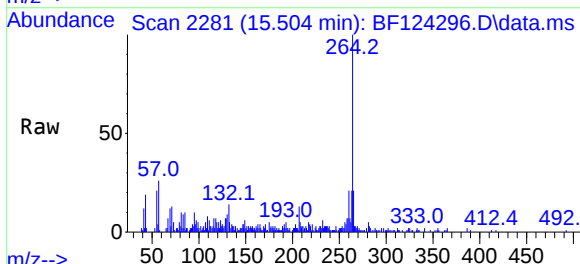
Manual Integrations
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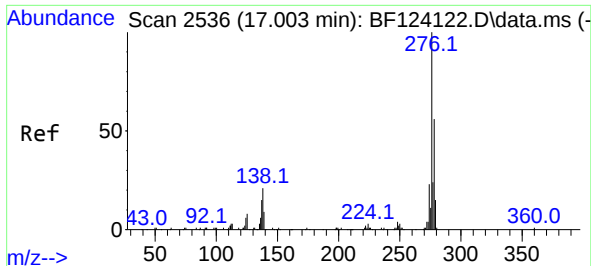
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Tgt Ion:	264	Resp:	39604
Ion Ratio	Lower	Upper	
264	100		
260	21.3	18.7	28.1
265	21.4	17.8	26.8





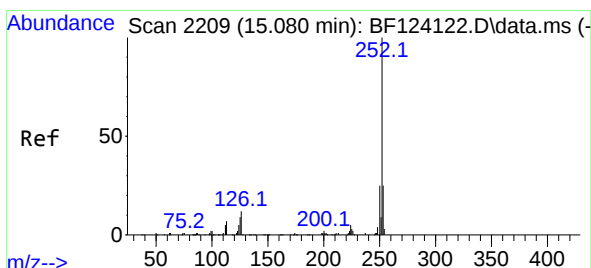
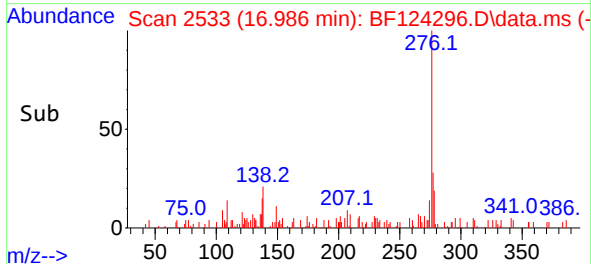
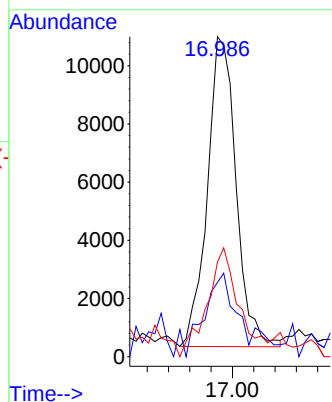
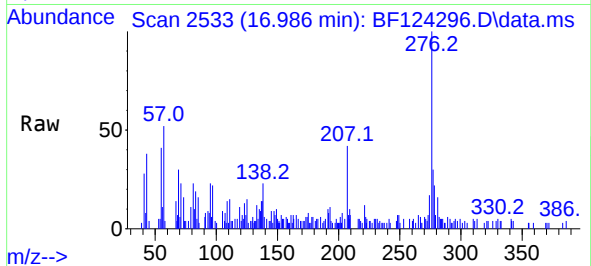
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.833 ng
RT: 16.986 min Scan# 2533
Delta R.T. 0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Tgt Ion: 276 Resp: 19920
Ion Ratio Lower Upper
276 100
138 30.3 16.2 24.2#
277 39.0 20.1 30.1#

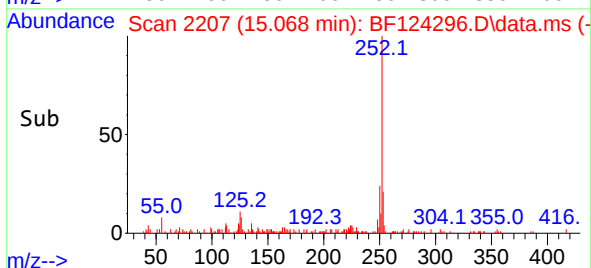
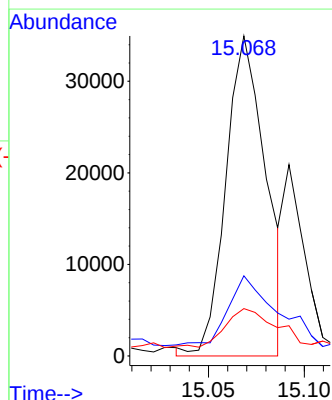
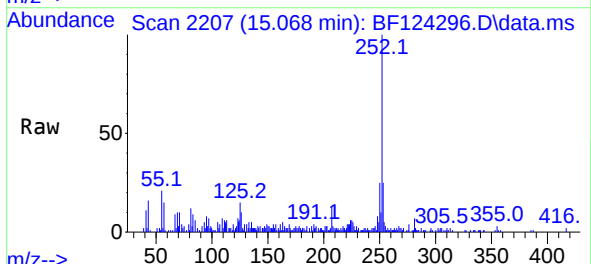
Manual Integrations
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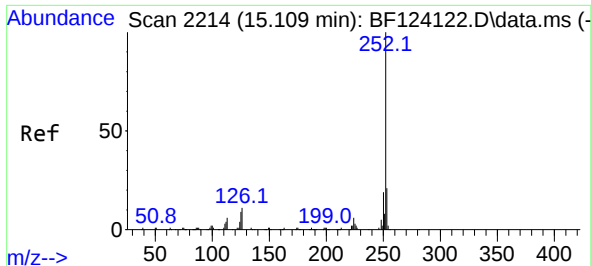
mohammad
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#88
Benzo(b)fluoranthene
Concen: 16.465 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Tgt Ion: 252 Resp: 50653
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 14.8 6.2 9.4#





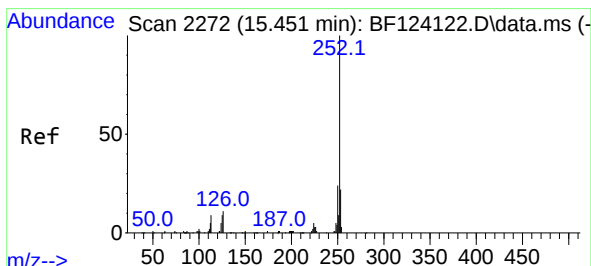
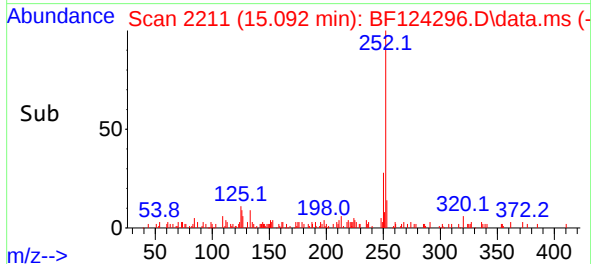
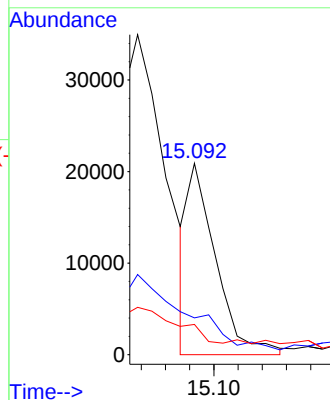
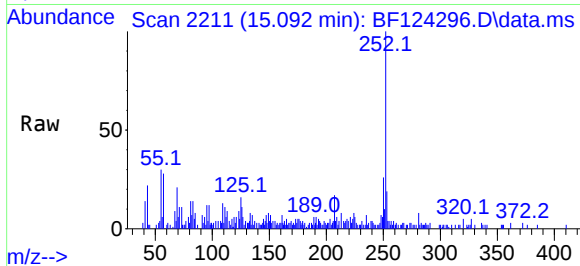
#89
Benzo(k)fluoranthene
Concen: 5.721 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

Tgt Ion:252 Resp: 16663
Ion Ratio Lower Upper
252 100
253 19.3 17.9 26.9
125 15.8 7.0 10.6#

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

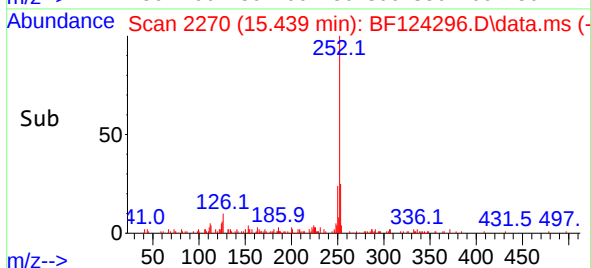
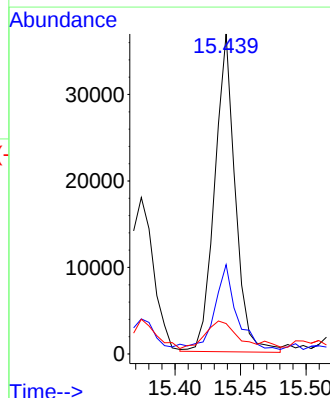
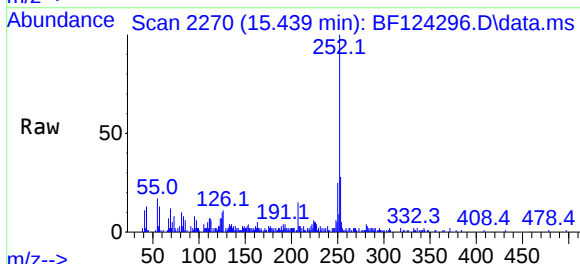
Manual Integrations
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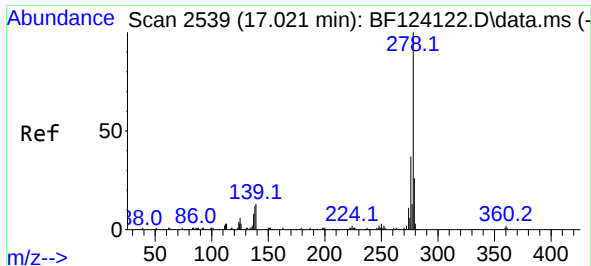
mohammad
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#90
Benzo(a)pyrene
Concen: 15.003 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

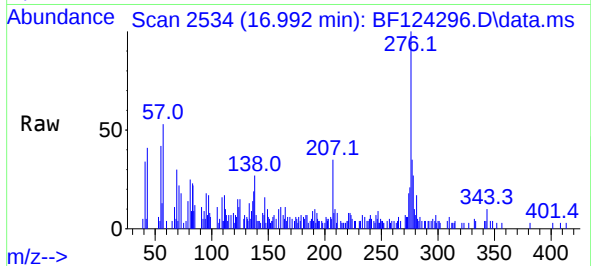
Tgt Ion:252 Resp: 40091
Ion Ratio Lower Upper
252 100
253 27.9 18.4 27.6#
125 9.5 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 6.524 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27

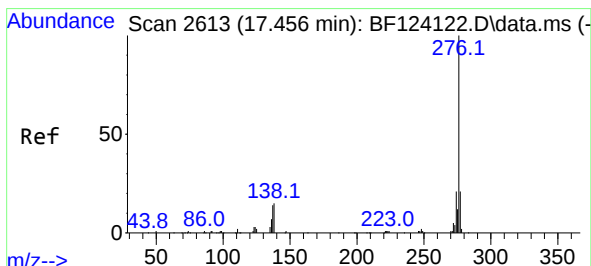
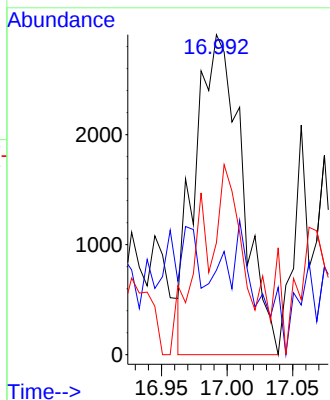
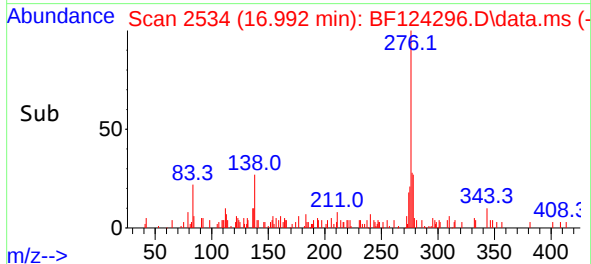
Instrument :
BNA_F
ClientSampled :
CL-01-061121



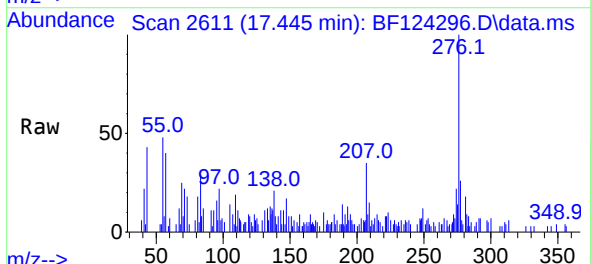
Tgt Ion:278 Resp: 7239
Ion Ratio Lower Upper
278 100
139 26.4 10.2 15.2#
279 35.0 19.4 29.0#

Manual Integrations
APPROVED

mohammad
6/14/2021 5:51:00 PM



#92
Benzo(g,h,i)perylene
Concen: 11.174 ng
RT: 17.445 min Scan# 2611
Delta R.T. 0.012 min
Lab File: BF124296.D
Acq: 12 Jun 2021 20:27



Tgt Ion:276 Resp: 22212
Ion Ratio Lower Upper
276 100
277 26.3 18.2 27.2
138 21.2 13.8 20.6#

