

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032822\
 Data File : BF127554.D
 Acq On : 28 Mar 2022 21:00
 Operator : CG\JU
 Sample : N2103-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200049

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/29/2022
 Supervised By : mohammad ahmed 03/29/2022

Supervised By : mohammad
 ahmed
 03/29/2022

Quant Time: Mar 29 07:17:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 07:13:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	96431	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	354564	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	207199	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	359401	20.000	ng	0.00
76) Chrysene-d12	14.010	240	223802	20.000	ng	0.00
86) Perylene-d12	15.486	264	215153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	616948	102.123	ng	0.00
7) Phenol-d6	6.475	99	825433	99.957	ng	0.00
23) Nitrobenzene-d5	7.398	82	571731	68.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	206694	93.645	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	965513	68.044	ng	0.00
79) Terphenyl-d14	12.945	244	952811	69.694	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	55990	2.988	ng	98
75) Fluoranthene	12.580	202	111212	5.396	ng	98
78) Pyrene	12.810	202	106611	5.551	ng	99
81) Benzo(a)anthracene	13.998	228	50249	3.357	ng	97
83) Chrysene	14.039	228	50041	3.531	ng	95
87) Indeno(1,2,3-cd)pyrene	17.009	276	29179	2.004	ng	94
88) Benzo(b)fluoranthene	15.063	252	58081m	4.281	ng	
90) Benzo(a)pyrene	15.433	252	43515	3.909	ng	# 95
92) Benzo(g,h,i)perylene	17.468	276	28883	2.325	ng	99

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

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ALS Vial : 18 Sample Multiplier: 1

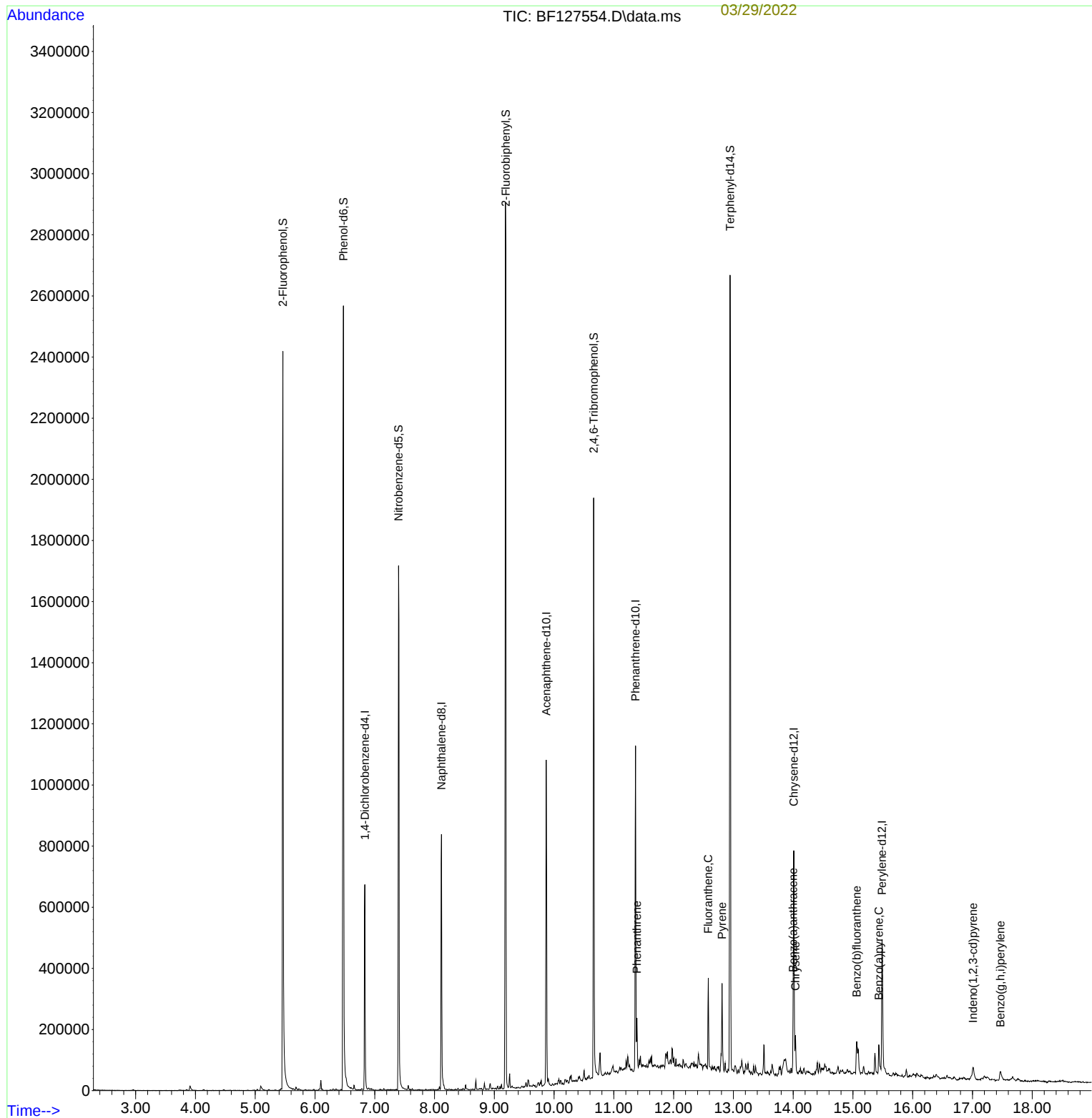
Instrument :
BNA_F
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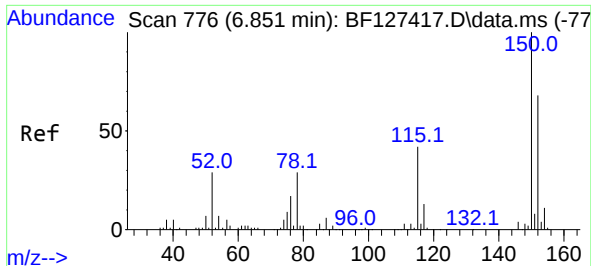
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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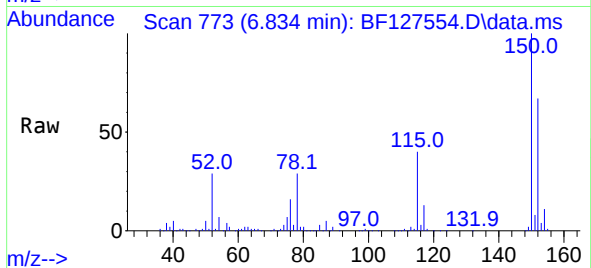
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ahmed
03/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :
BNA_F
ClientSampleId :
RBR-200049

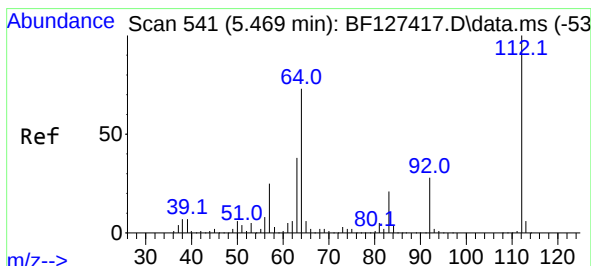
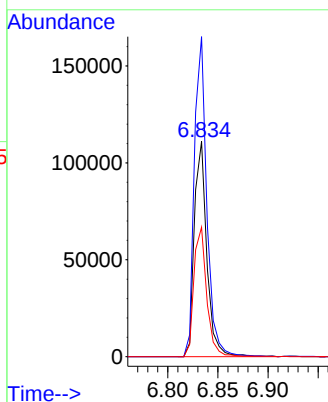
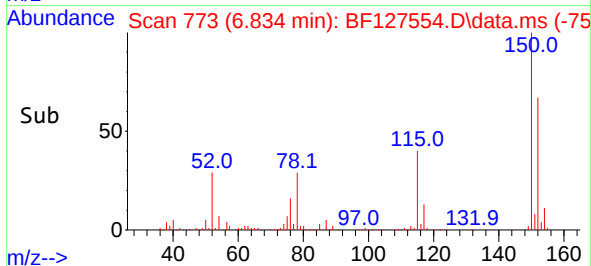


Tgt Ion:152 Resp: 9643
Ion Ratio Lower Upper
152 100
150 148.6 117.2 175.8
115 60.1 49.8 74.6

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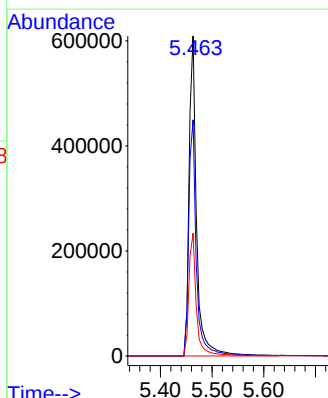
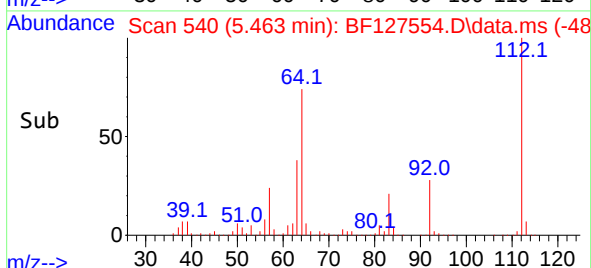
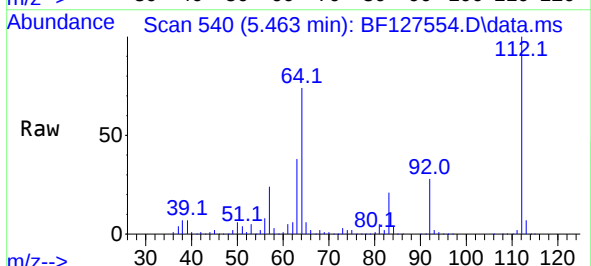
Reviewed By :Christian Giraldo 03/29/2022
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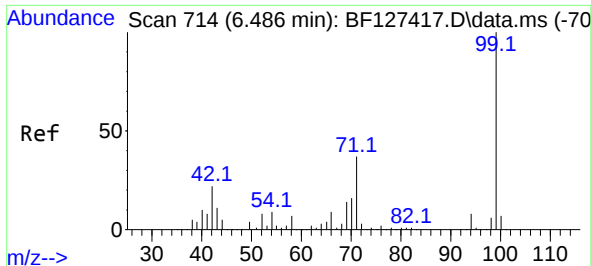
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#5
2-Fluorophenol
Concen: 102.123 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

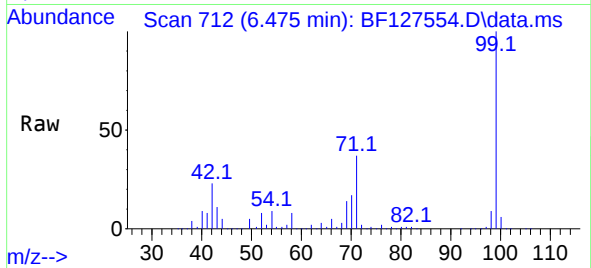
Tgt Ion:112 Resp: 616948
Ion Ratio Lower Upper
112 100
64 73.8 58.4 87.6
63 38.3 30.1 45.1





#7
Phenol-d6
Concen: 99.957 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :
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ClientSampleId :
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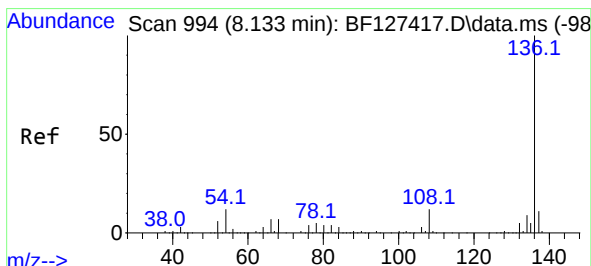
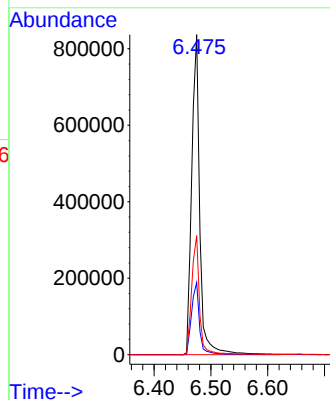
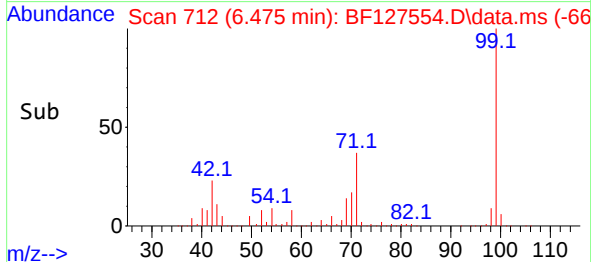


Tgt Ion: 99 Resp: 82543
Ion Ratio Lower Upper
99 100
42 22.5 17.8 26.6
71 37.2 29.6 44.4

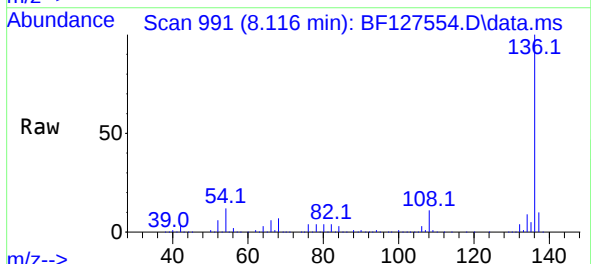
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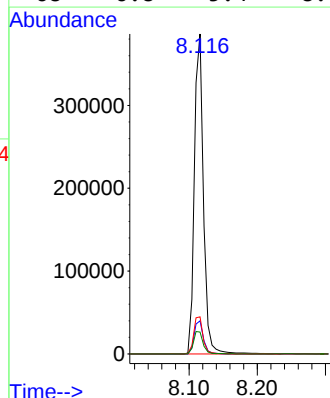
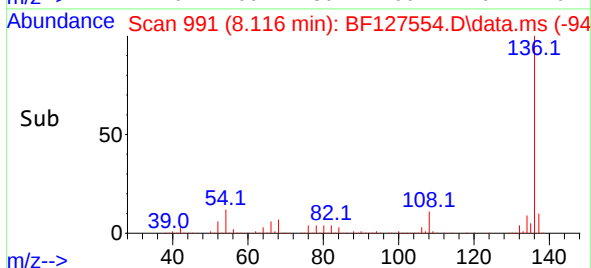
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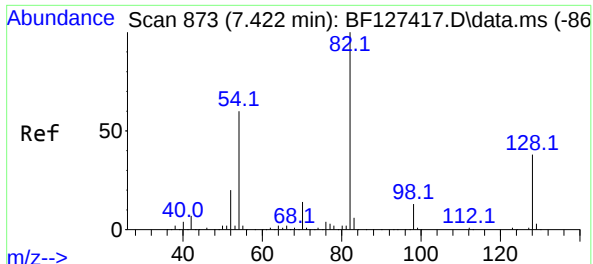


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00



Tgt Ion:136 Resp: 354564
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 11.6 9.2 13.8
68 6.8 5.4 8.0





#23
Nitrobenzene-d5
Concen: 68.927 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049

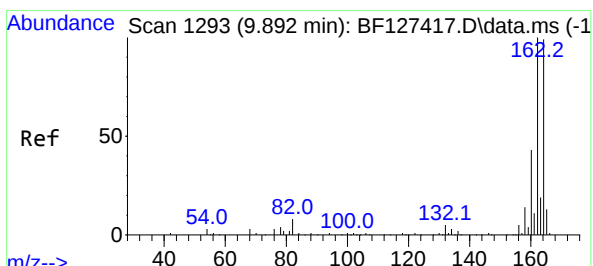
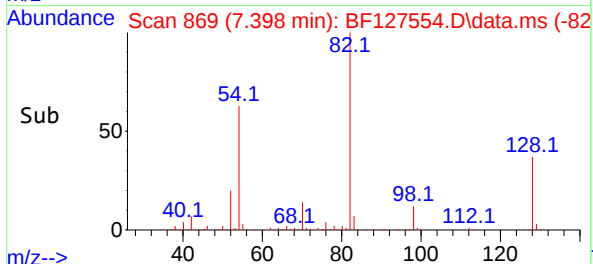
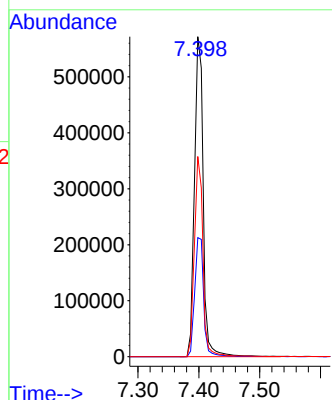
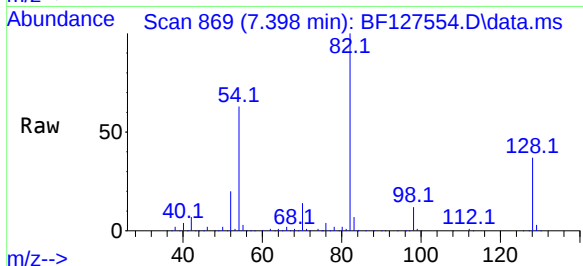
Tgt Ion: 82 Resp: 57173
Ion Ratio Lower Upper
82 100
128 37.2 30.6 45.8
54 62.6 48.2 72.2

Manual Integrations

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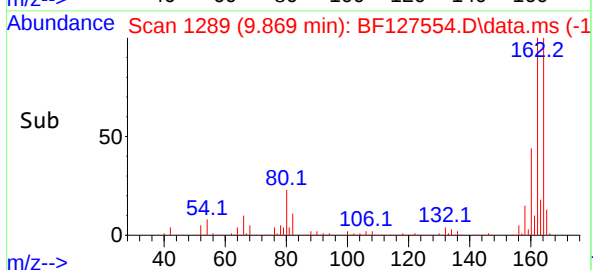
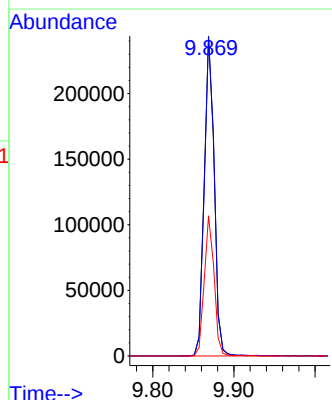
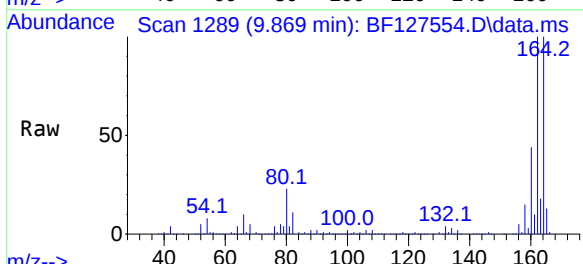
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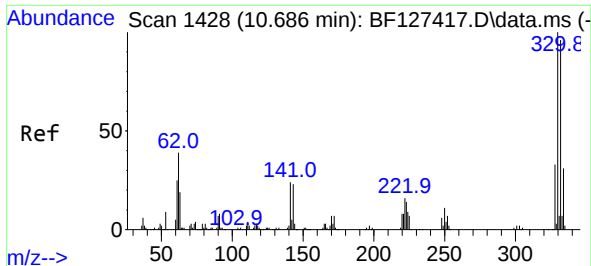
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:164 Resp: 207199
Ion Ratio Lower Upper
164 100
162 99.8 81.2 121.8
160 43.8 34.6 52.0





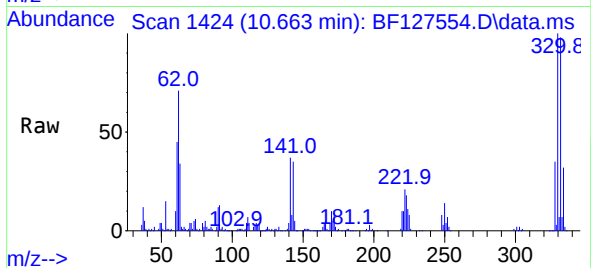
#42
2,4,6-Tribromophenol
Concen: 93.645 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049



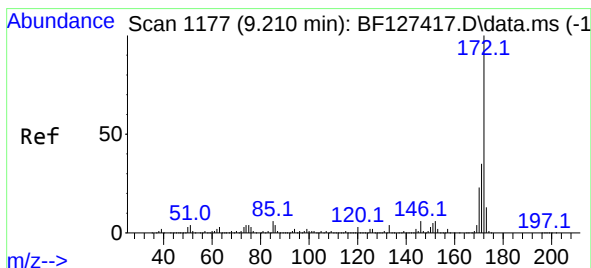
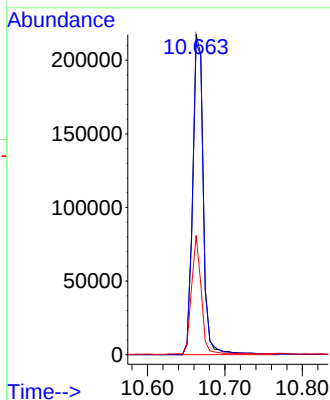
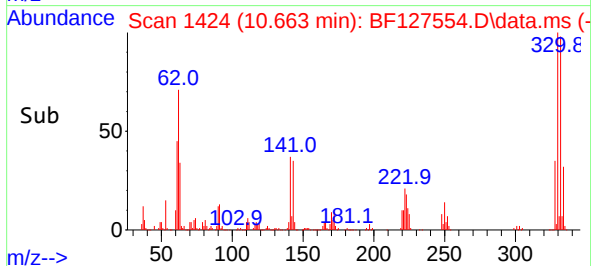
Tgt Ion:330 Resp: 206694
Ion Ratio Lower Upper
330 100
332 98.8 79.1 118.7
141 34.5 26.2 39.4

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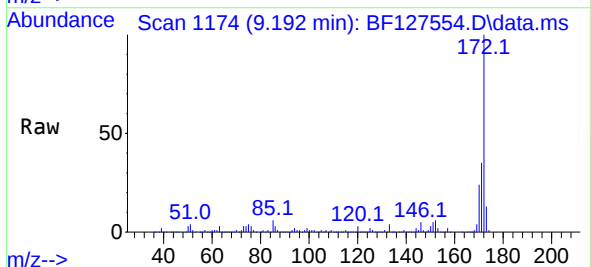
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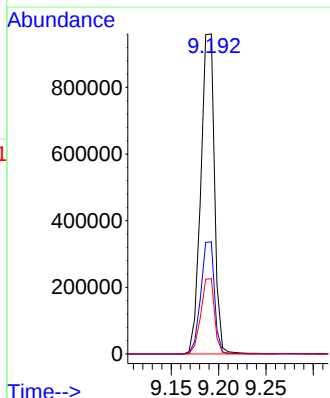
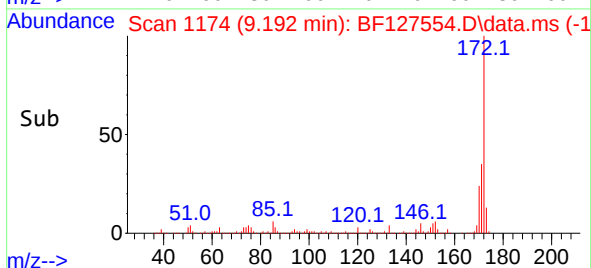
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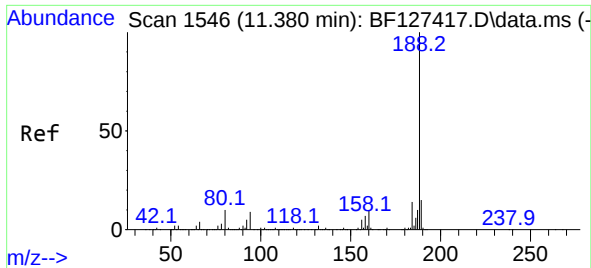


#45
2-Fluorobiphenyl
Concen: 68.044 ng
RT: 9.192 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00



Tgt Ion:172 Resp: 965513
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.6 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

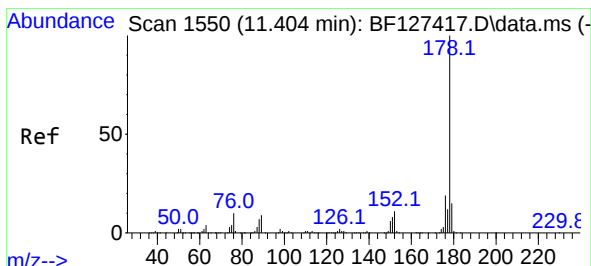
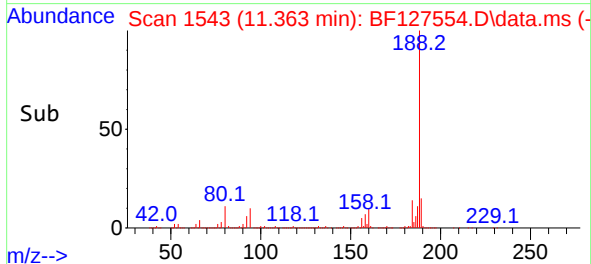
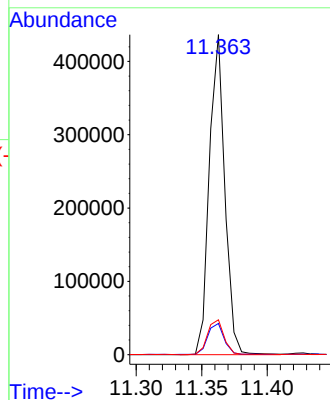
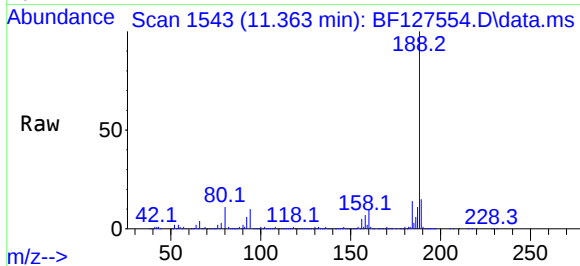
Instrument :
BNA_F
ClientSampleId :
RBR-200049

Tgt Ion:188 Resp: 35940
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.9 8.0 12.0

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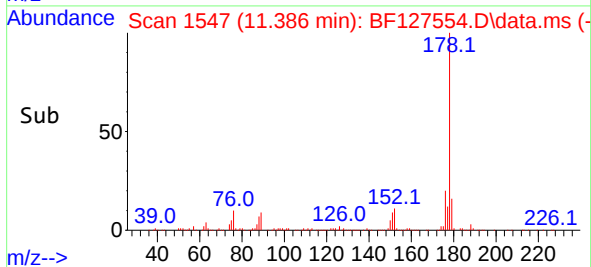
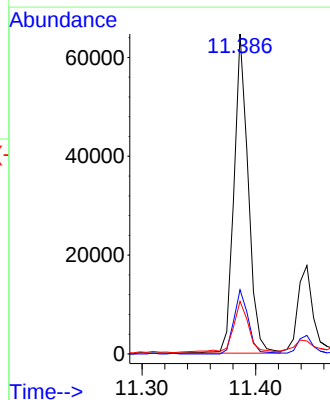
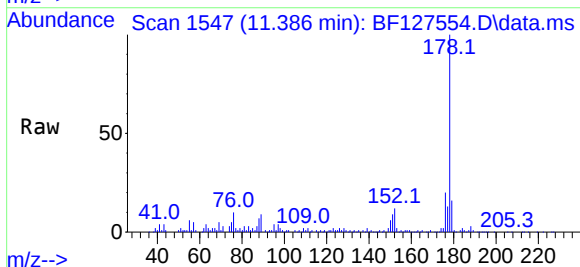
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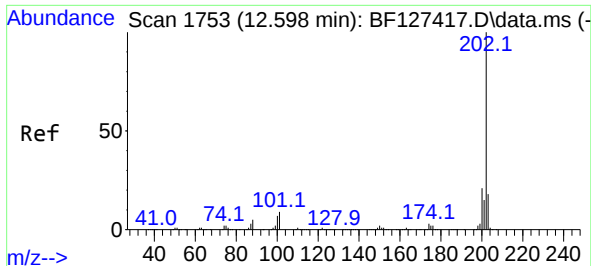
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03/29/2022



#71
Phenanthrene
Concen: 2.988 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

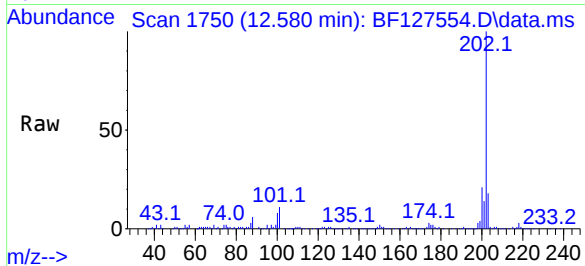
Tgt Ion:178 Resp: 55990
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 16.5 12.4 18.6





#75
Fluoranthene
Concen: 5.396 ng
RT: 12.580 min Scan# 11121
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :
BNA_F
ClientSampleId :
RBR-200049

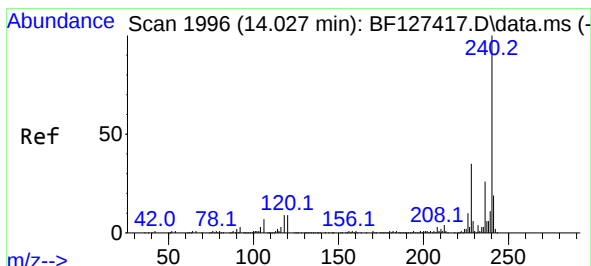
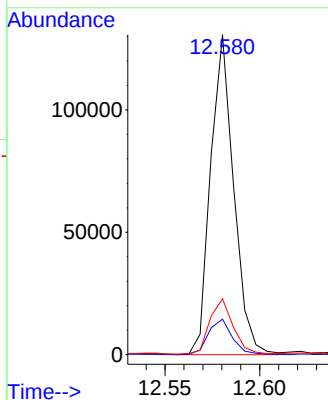
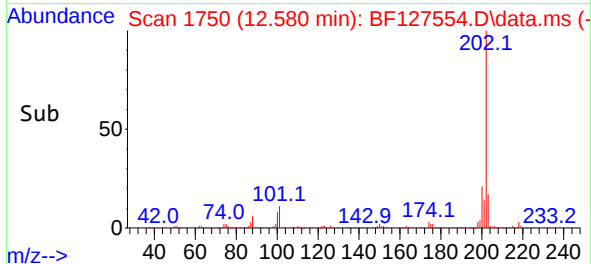


Tgt Ion:202 Resp: 11121
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.0
203 17.5 0.0 37.7

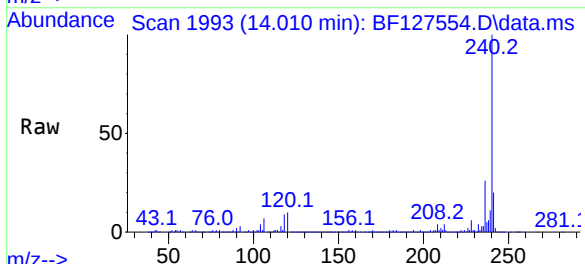
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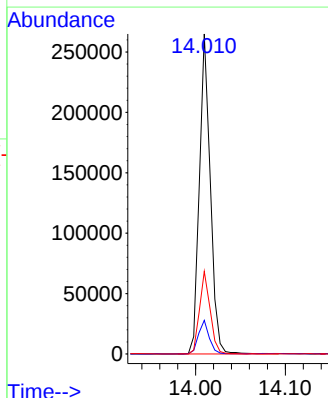
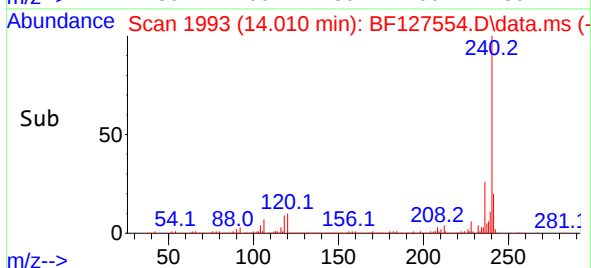
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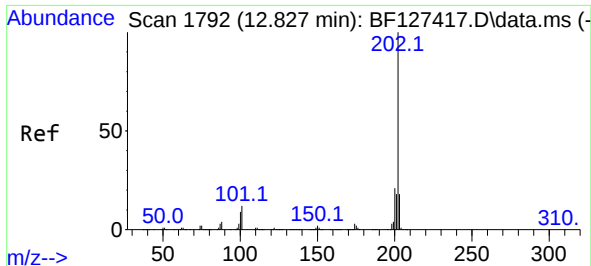


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00



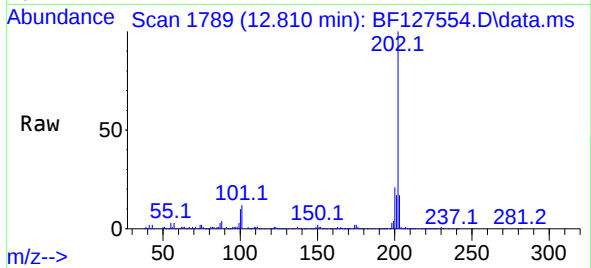
Tgt Ion:240 Resp: 223802
Ion Ratio Lower Upper
240 100
120 10.5 7.1 10.7
236 25.8 20.7 31.1





#78
Pyrene
Concen: 5.551 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :
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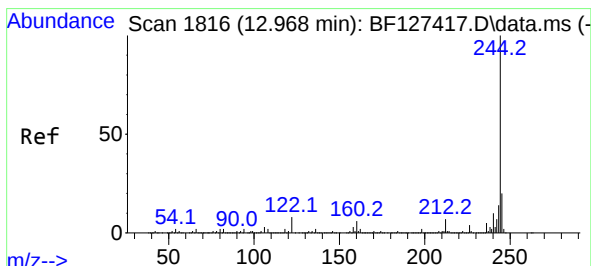
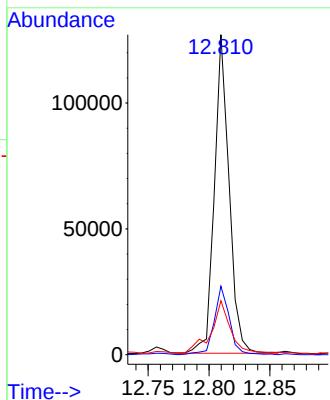
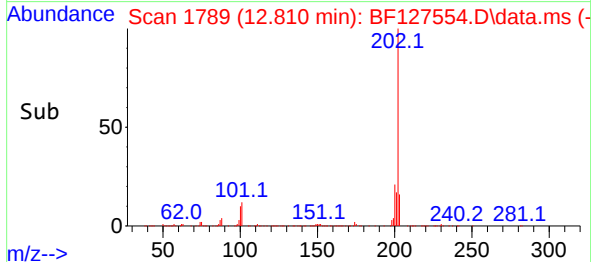


Tgt Ion:202 Resp: 106611
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 16.8 14.3 21.5

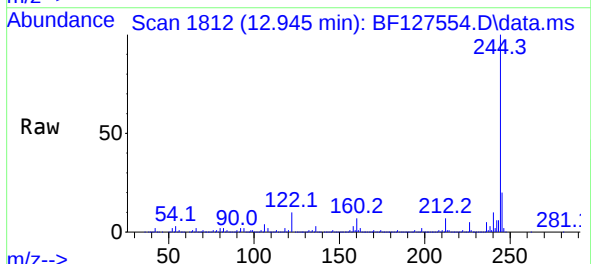
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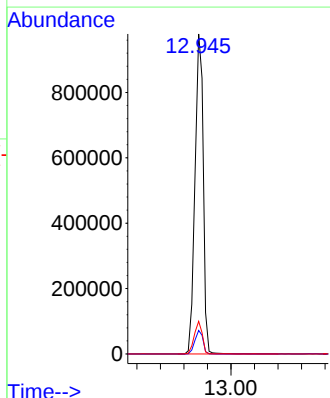
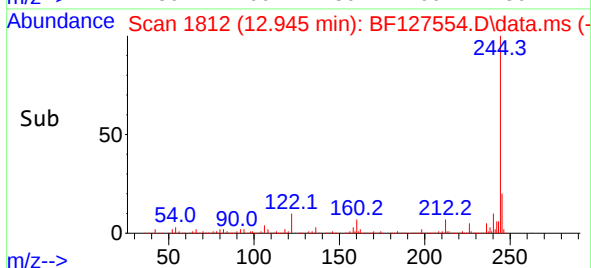
Supervised By :mohammad
ahmed
03/29/2022

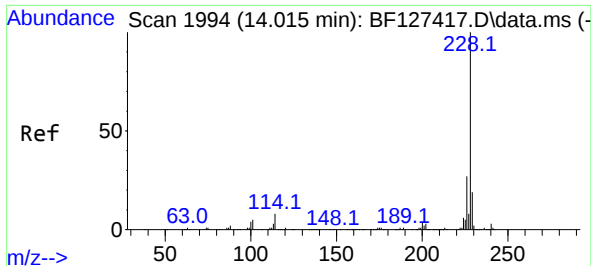


#79
Terphenyl-d14
Concen: 69.694 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00



Tgt Ion:244 Resp: 952811
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 10.2 6.2 9.2#





#81
Benzo(a)anthracene
Concen: 3.357 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

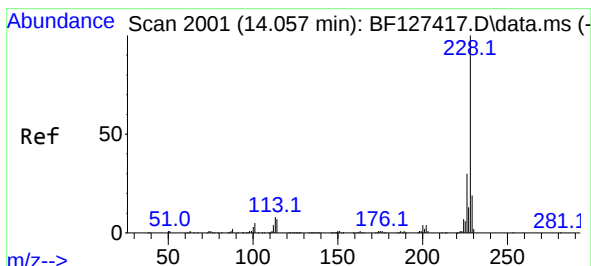
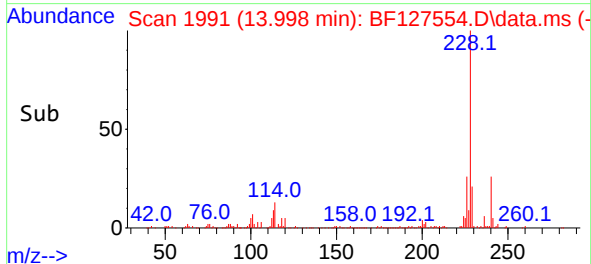
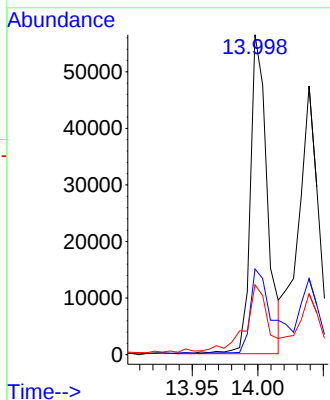
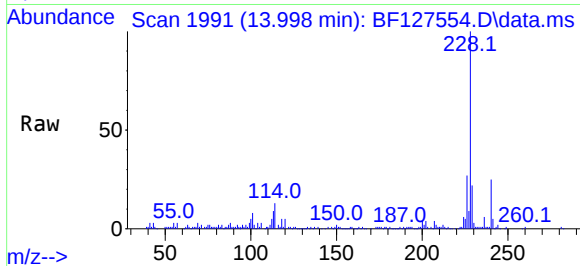
RBR-200049

Tgt Ion:228 Resp: 50249
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 21.9 15.4 23.2

Manual Integrations
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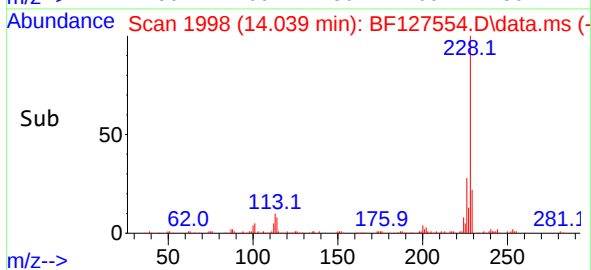
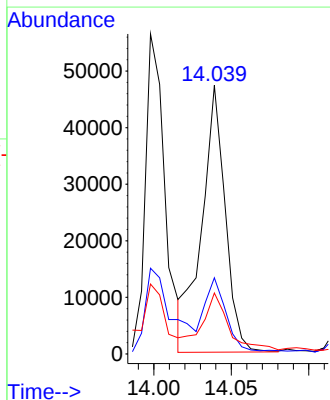
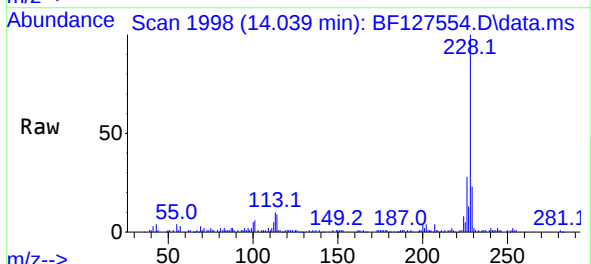
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :mohammad ahmed 03/29/2022

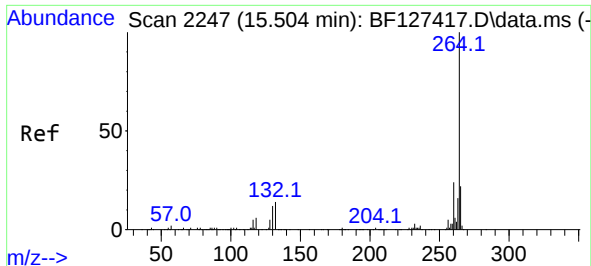
Supervised By :mohammad
ahmed
03/29/2022



#83
Chrysene
Concen: 3.531 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:228 Resp: 50041
Ion Ratio Lower Upper
228 100
226 28.3 24.2 36.4
229 22.7 15.4 23.2





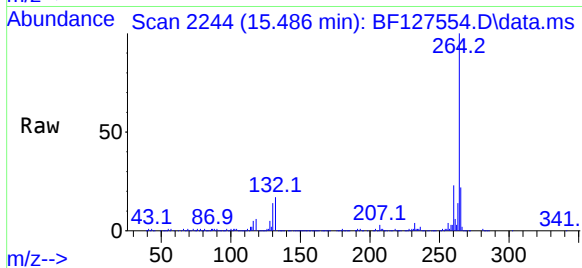
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 21515
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049



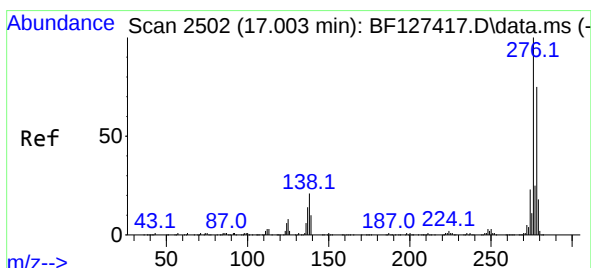
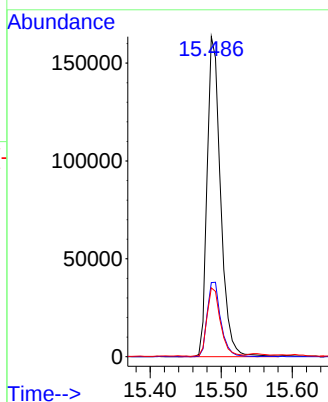
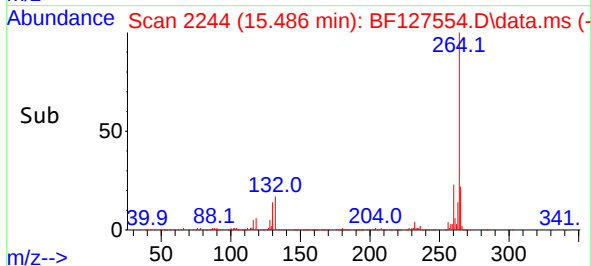
Tgt Ion:264 Resp: 21515
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.5 17.4 26.2

Manual Integrations

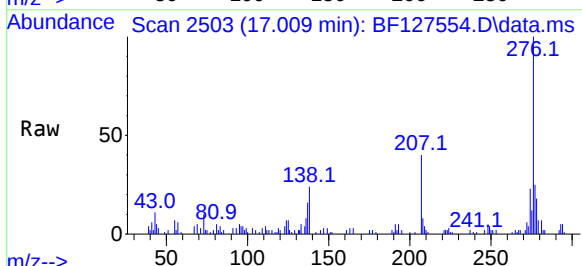
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Reviewed By :Christian Giraldo 03/29/2022
Supervised By :mohammad ahmed 03/29/2022

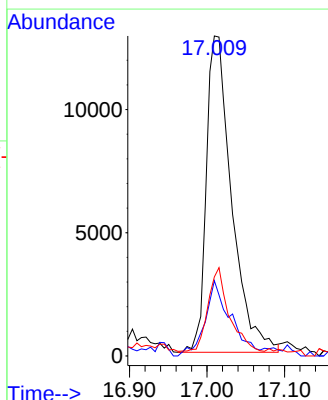
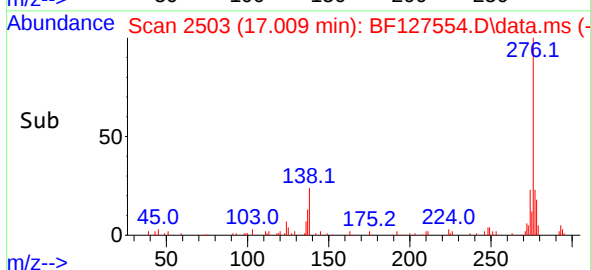
Supervised By :mohammad
ahmed
03/29/2022

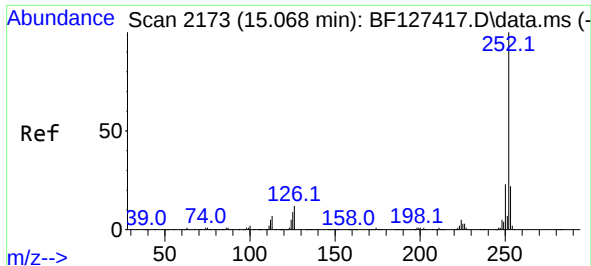


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.004 ng
RT: 17.009 min Scan# 2503
Delta R.T. 0.018 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00



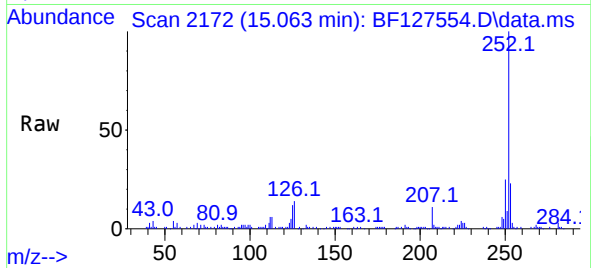
Tgt Ion:276 Resp: 29179
Ion Ratio Lower Upper
276 100
138 24.1 17.1 25.7
277 21.7 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 4.281 ng m
RT: 15.063 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Instrument :
BNA_F
ClientSampleId :
RBR-200049

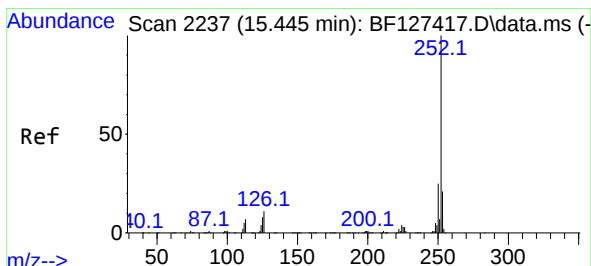
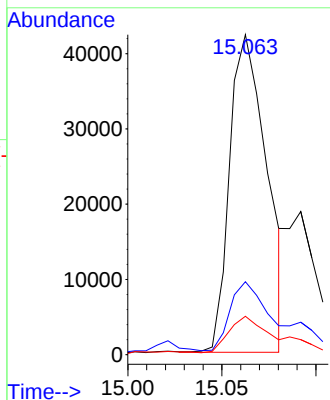
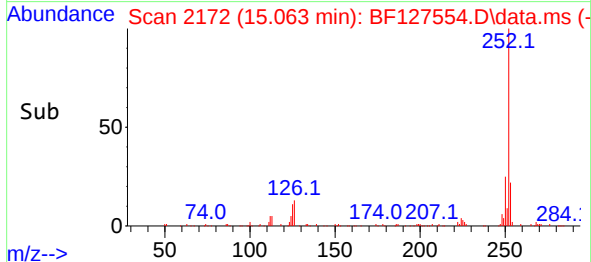


Tgt Ion:252 Resp: 5808
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.0 7.0 10.4

Manual Integrations
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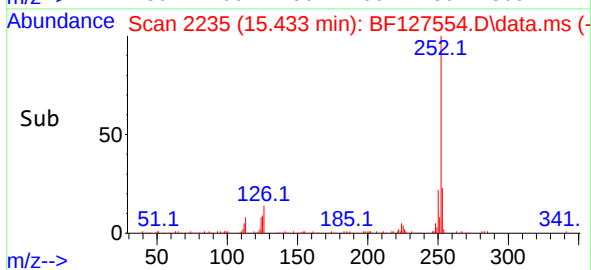
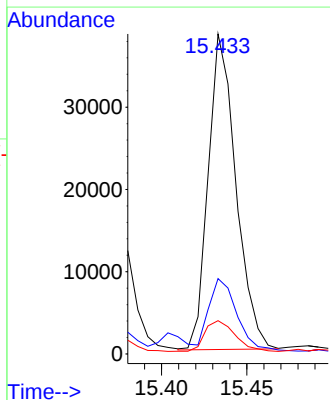
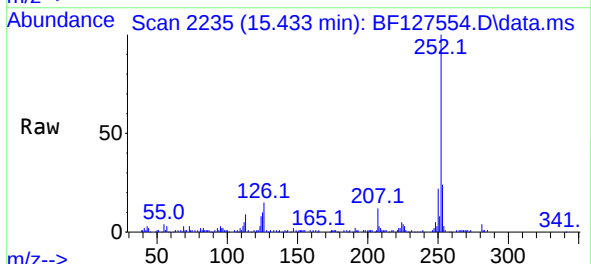
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :mohammad ahmed 03/29/2022

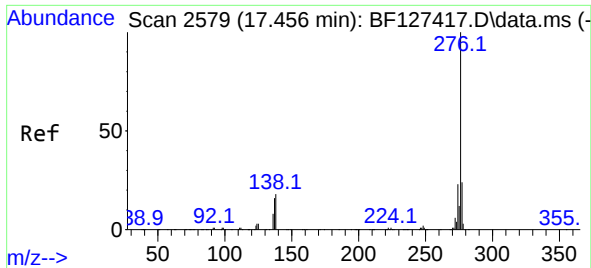
Supervised By :mohammad
ahmed
03/29/2022



#90
Benzo(a)pyrene
Concen: 3.909 ng
RT: 15.433 min Scan# 2235
Delta R.T. 0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:252 Resp: 43515
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 10.4 6.7 10.1





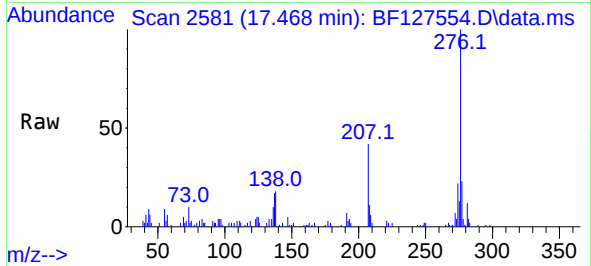
#92
 Benzo(g,h,i)perylene
 Concen: 2.325 ng
 RT: 17.468 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF127554.D
 Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049



Tgt Ion:	276	Resp:	2888
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.0	28.4
138	17.8	14.6	22.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :mohammad ahmed 03/29/2022

Supervised By :mohammad
 ahmed
 03/29/2022

