

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126282.D
 Acq On : 20 Dec 2021 17:13
 Operator : JU/CG
 Sample : M5122-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 369

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/21/2021
 Supervised By : Jagrut Upadhyay 12/21/2021

Quant Time: Dec 21 05:10:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	146282	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	545742	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	221999	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	327680	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	285335	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	309966	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1204014	121.210	ng	0.01
7) Phenol-d6	6.445	99	1419181	112.520	ng	0.00
23) Nitrobenzene-d5	7.375	82	905620	89.873	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	208240	116.721	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1141954	90.219	ng	0.00
79) Terphenyl-d14	12.921	244	950747	57.915	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	92146	5.448	ng	98
75) Fluoranthene	12.545	202	213352	14.001	ng	93
78) Pyrene	12.774	202	194628	7.424	ng	99
81) Benzo(a)anthracene	13.962	228	97662	5.778	ng	96
83) Chrysene	13.998	228	115577	6.582	ng	98
84) Bis(2-ethylhexyl)phtha...	13.962	149	363790	26.390	ng	100
87) Indeno(1,2,3-cd)pyrene	16.839	276	57151	2.764	ng	94
88) Benzo(b)fluoranthene	14.998	252	185546m	9.963	ng	
89) Benzo(k)fluoranthene	15.027	252	64960m	3.646	ng	
90) Benzo(a)pyrene	15.357	252	108381	7.002	ng	# 95
92) Benzo(g,h,i)perylene	17.268	276	54938	3.159	ng	92

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

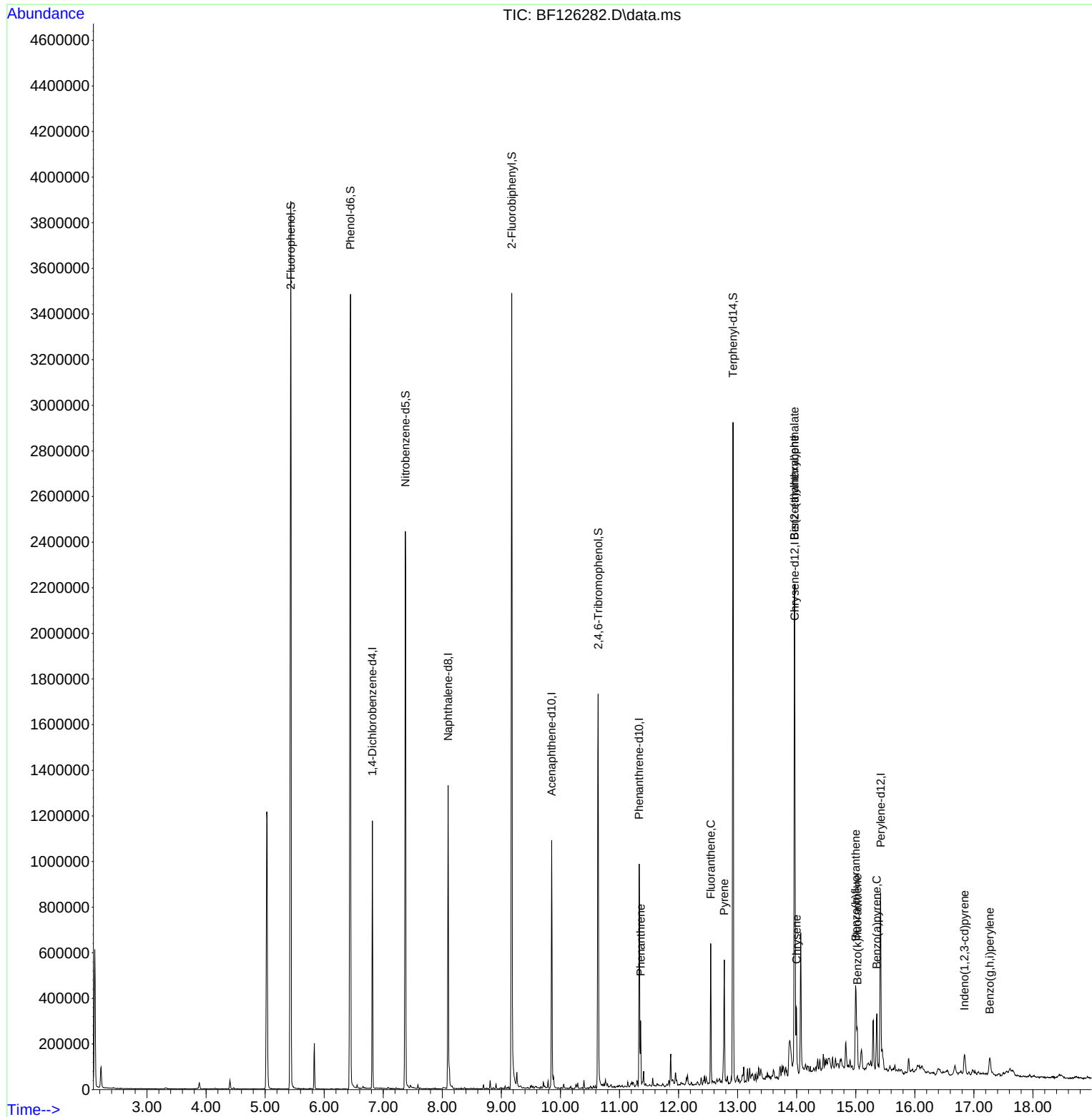
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
Data File : BF126282.D
Acq On : 20 Dec 2021 17:13
Operator : JU/CG
Sample : M5122-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

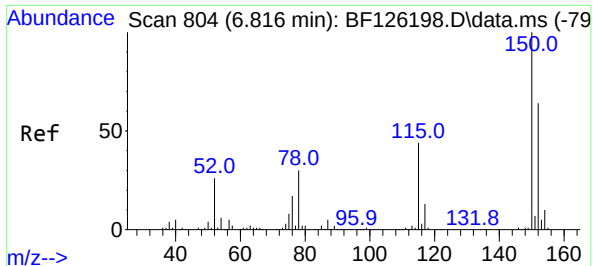
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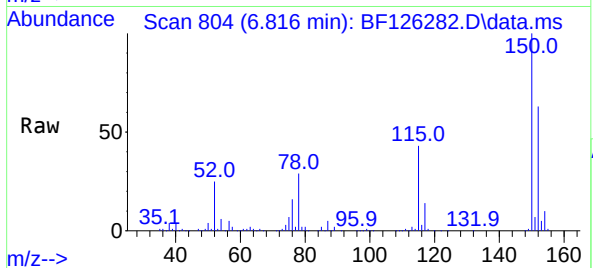
Quant Time: Dec 21 05:10:36 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

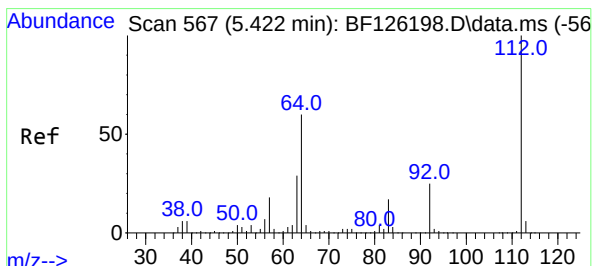
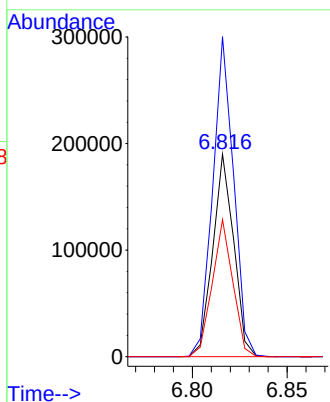
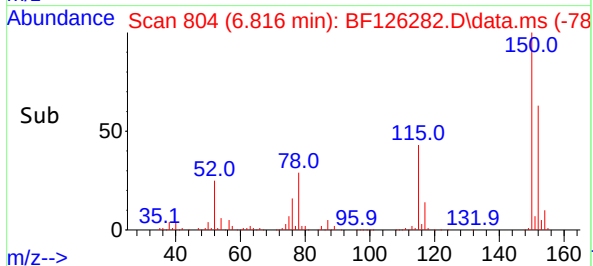
Instrument :
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ClientSampleId :
369



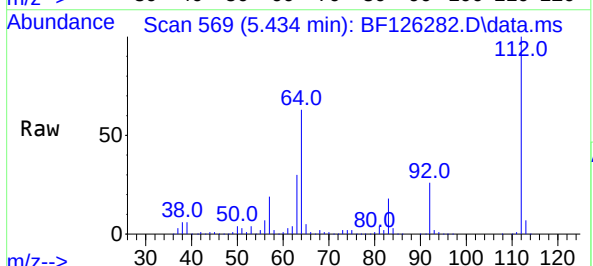
Tgt Ion:152 Resp: 146282
Ion Ratio Lower Upper
152 100
150 158.0 117.6 176.4
115 67.7 47.1 70.7

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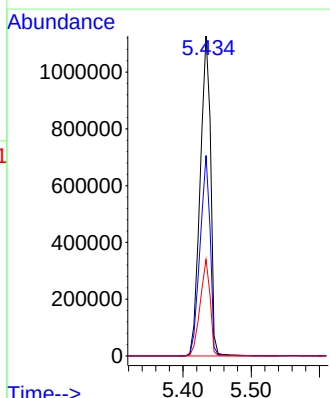
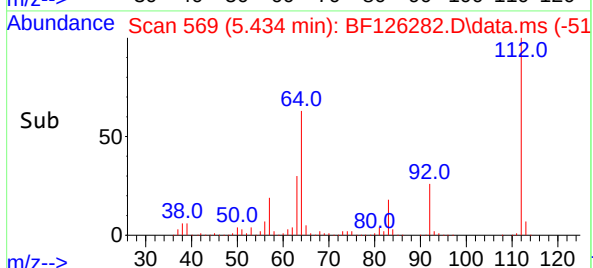
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

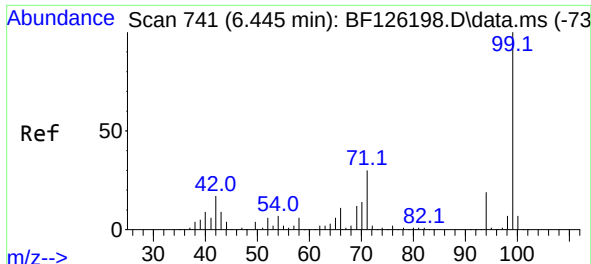


#5
2-Fluorophenol
Concen: 121.210 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



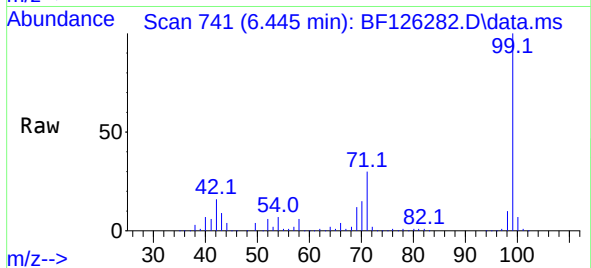
Tgt Ion:112 Resp: 1204014
Ion Ratio Lower Upper
112 100
64 62.7 44.2 66.2
63 30.1 26.2 39.2





#7
Phenol-d6
Concen: 112.520 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

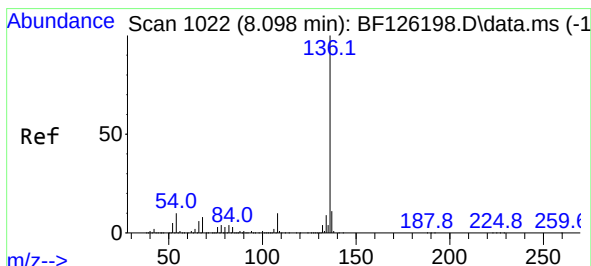
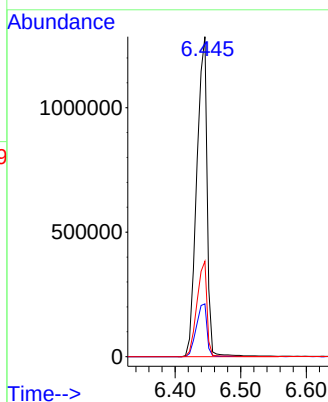
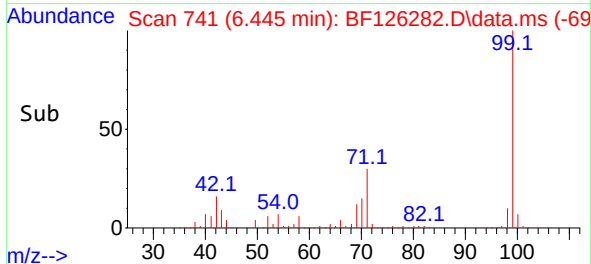
Instrument :
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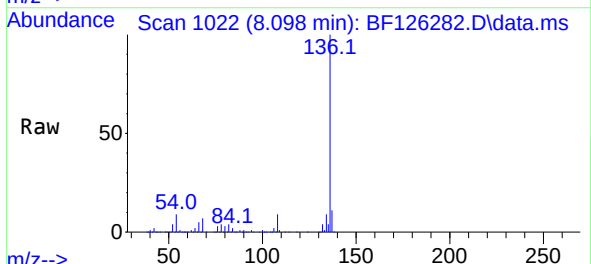
Tgt Ion: 99 Resp: 141918
Ion Ratio Lower Upper
99 100
42 16.5 23.5 35.3
71 29.8 25.6 38.4

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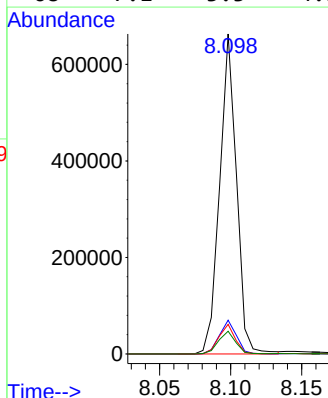
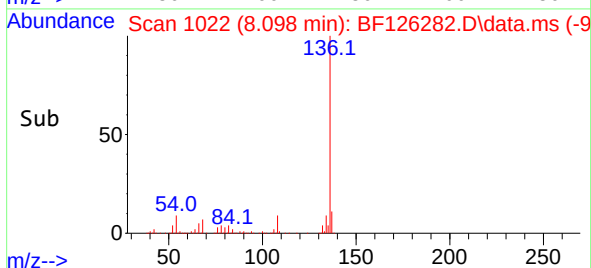
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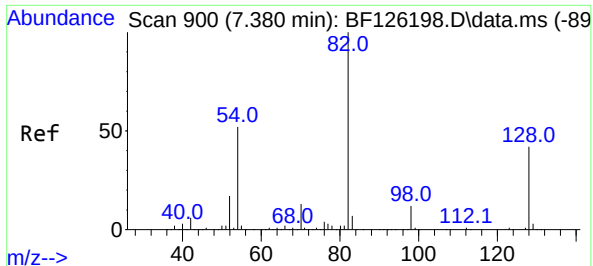


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



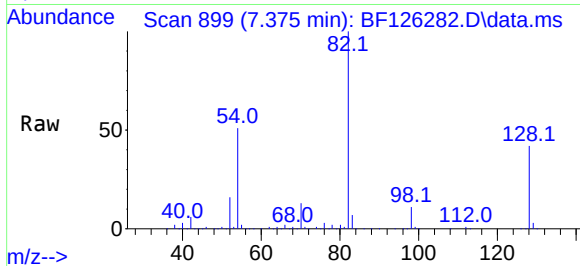
Tgt Ion:136 Resp: 545742
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.3 6.4 9.6
68 7.1 3.3 4.9





#23
Nitrobenzene-d5
Concen: 89.873 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

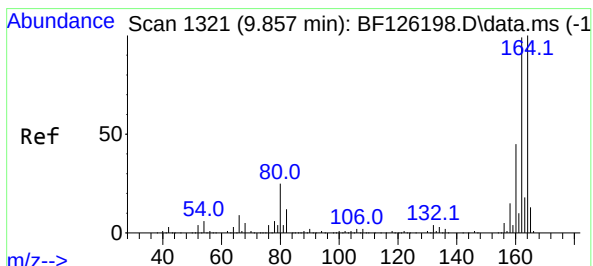
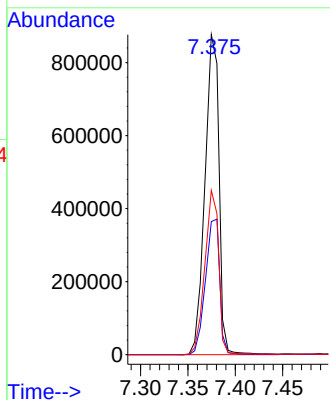
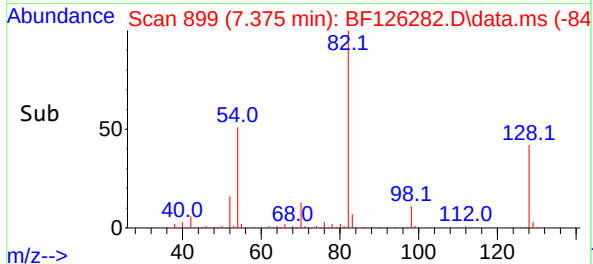
Instrument :
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ClientSampleId :
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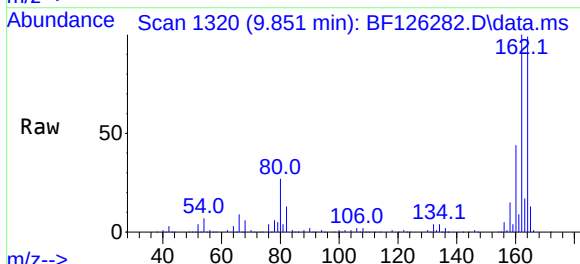
Tgt Ion: 82 Resp: 905620
Ion Ratio Lower Upper
82 100
128 41.6 40.6 60.8
54 51.3 49.6 74.4

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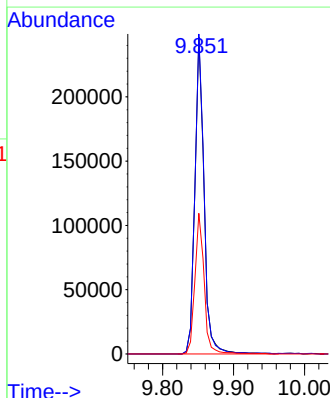
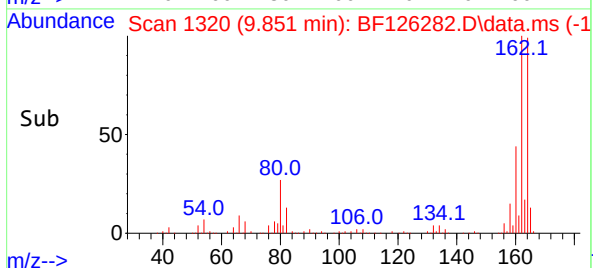
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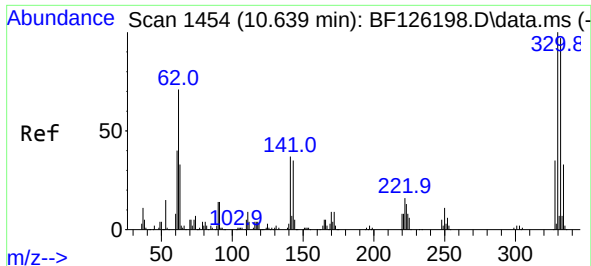


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



Tgt Ion:164 Resp: 221999
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 44.4 38.0 57.0





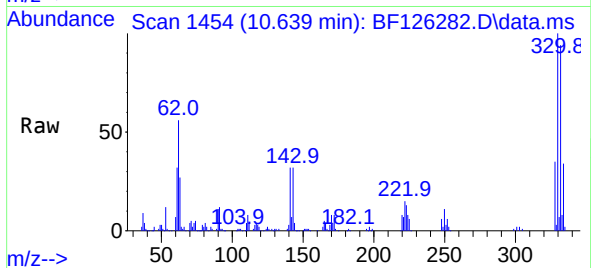
#42
2,4,6-Tribromophenol
Concen: 116.721 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

Instrument :

BNA_F

ClientSampleId :

369

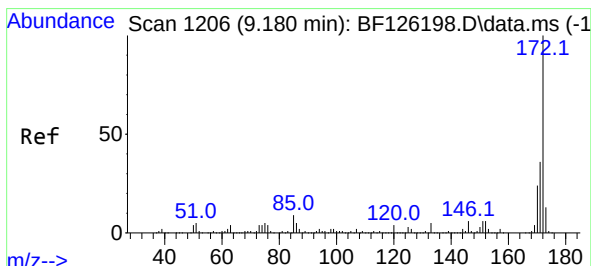
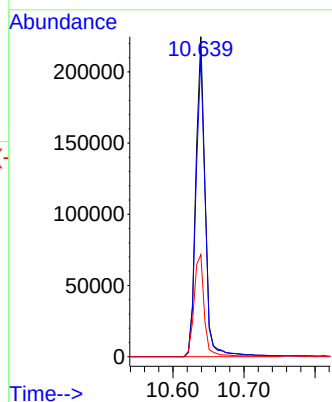
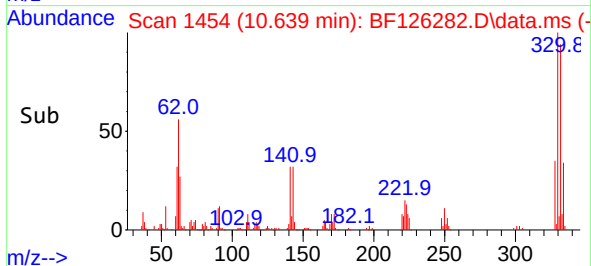


Tgt Ion: 330 Resp: 208240
Ion Ratio Lower Upper
330 100
332 94.2 76.2 114.4
141 35.3 44.6 66.8

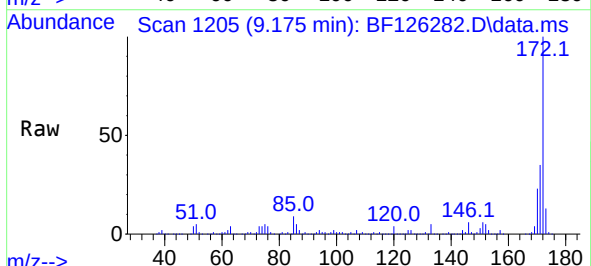
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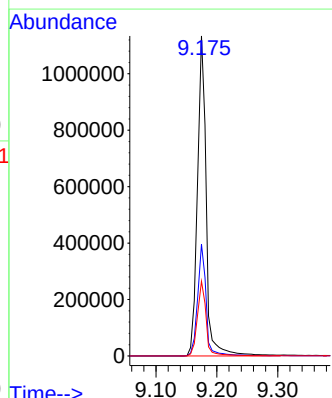
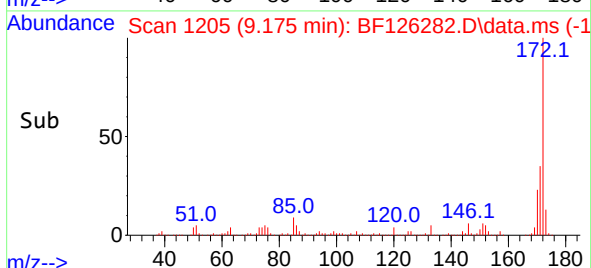
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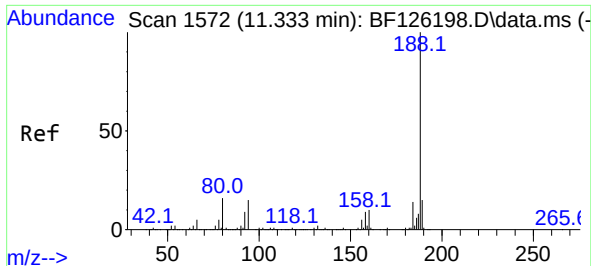


#45
2-Fluorobiphenyl
Concen: 90.219 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



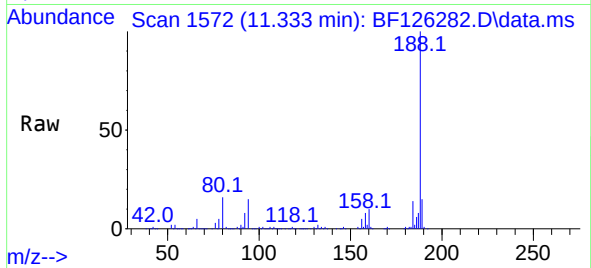
Tgt Ion: 172 Resp: 1141954
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 23.3 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

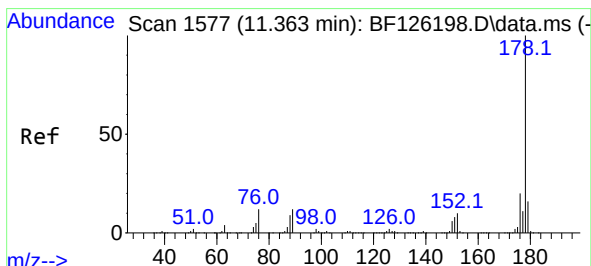
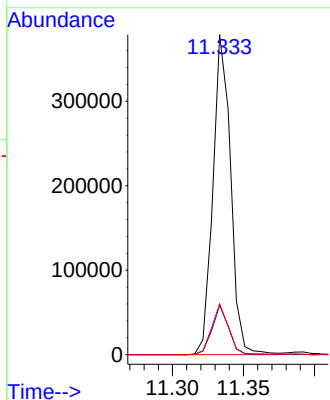
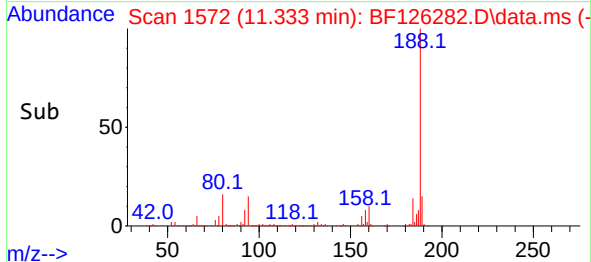
Instrument :
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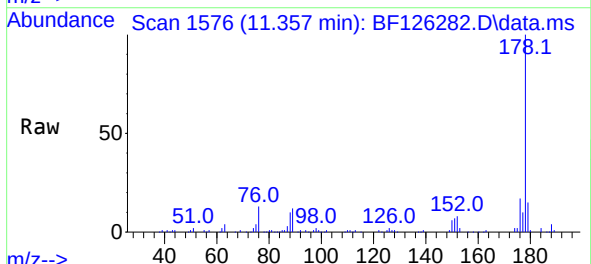
Tgt Ion:188 Resp: 327680
Ion Ratio Lower Upper
188 100
94 15.4 6.7 10.1
80 15.9 7.5 11.3

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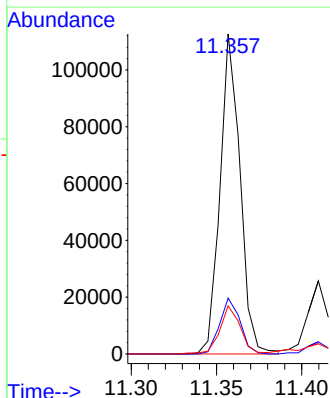
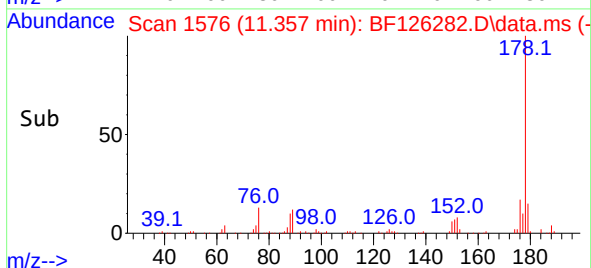
Reviewed By :Christian Giraldo 12/21/2021
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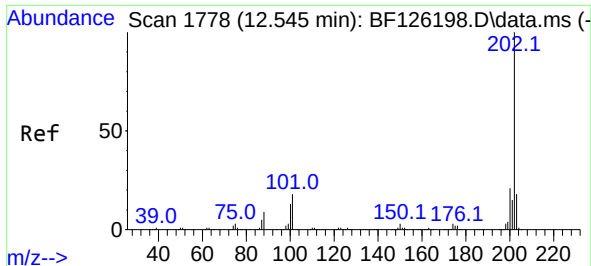


#71
Phenanthrene
Concen: 5.448 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



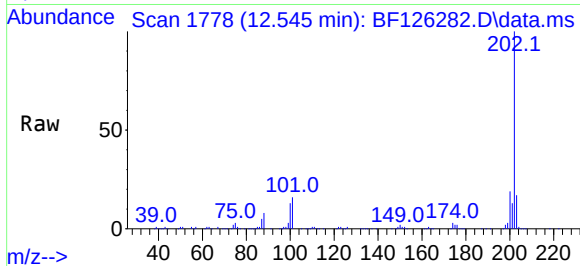
Tgt Ion:178 Resp: 92146
Ion Ratio Lower Upper
178 100
176 17.4 14.7 22.1
179 15.0 11.5 17.3





#75
Fluoranthene
Concen: 14.001 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

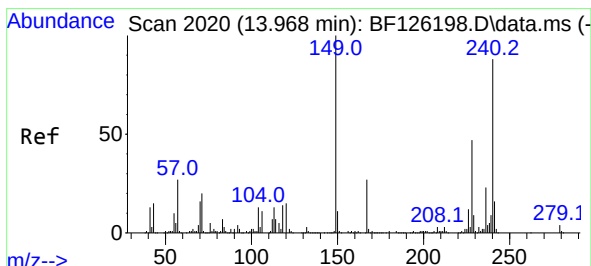
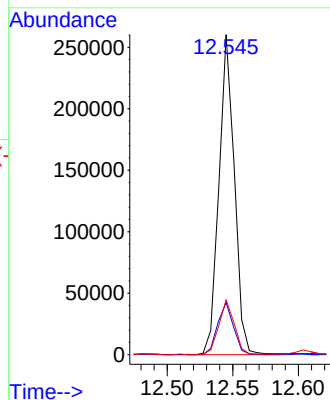
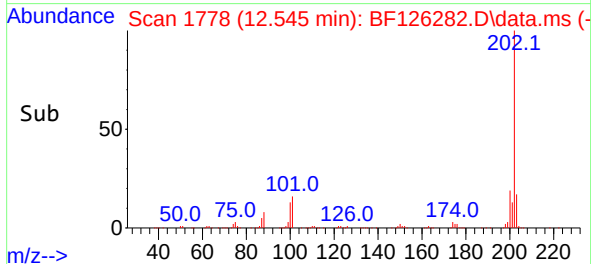
Instrument :
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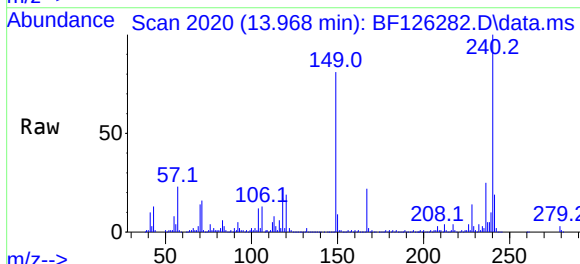
Tgt Ion:202 Resp: 213352
Ion Ratio Lower Upper
202 100
101 16.3 0.0 30.7
203 17.1 0.0 36.3

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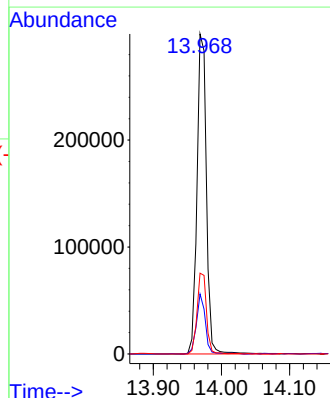
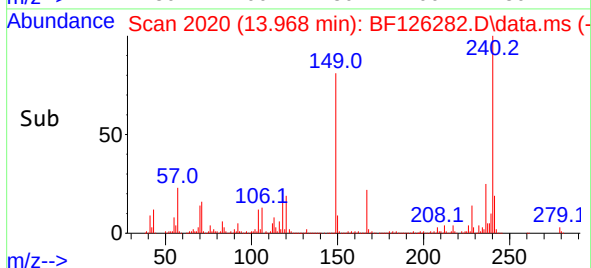
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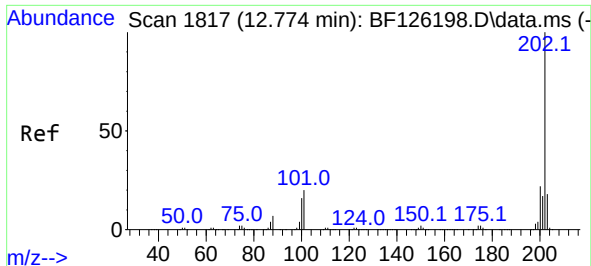


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



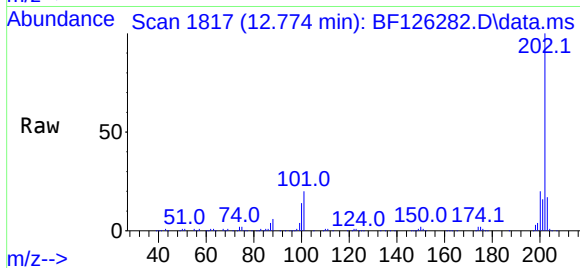
Tgt Ion:240 Resp: 285335
Ion Ratio Lower Upper
240 100
120 18.8 10.8 16.2#
236 25.3 21.6 32.4





#78
Pyrene
Concen: 7.424 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

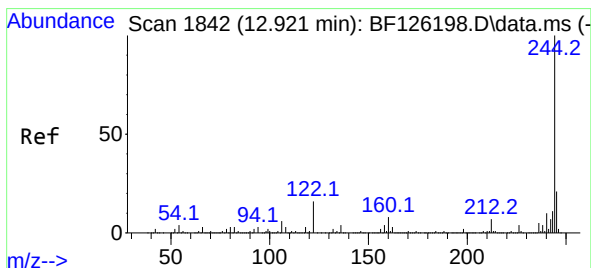
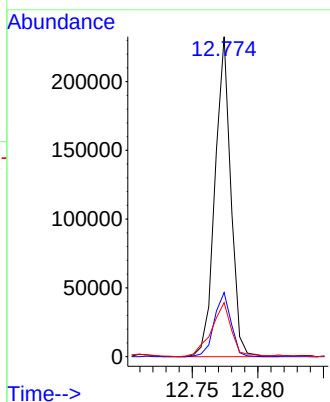
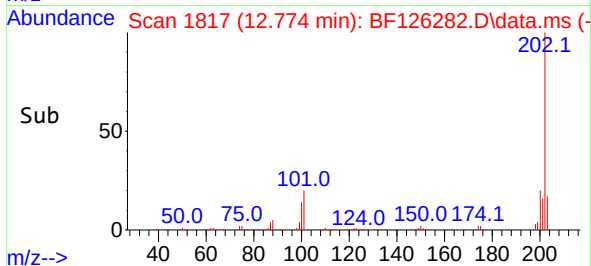
Instrument :
BNA_F
ClientSampleId :
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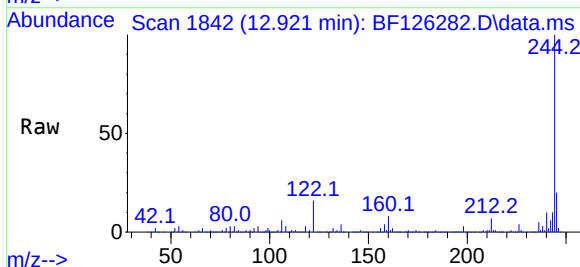
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Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 16.9 13.4 20.0

Manual Integrations
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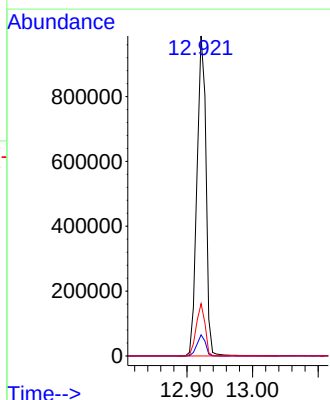
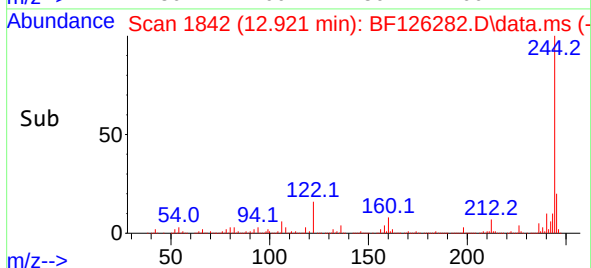
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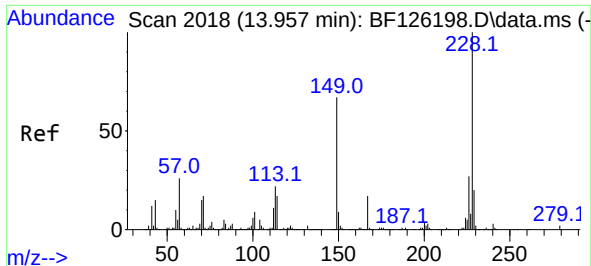


#79
Terphenyl-d14
Concen: 57.915 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



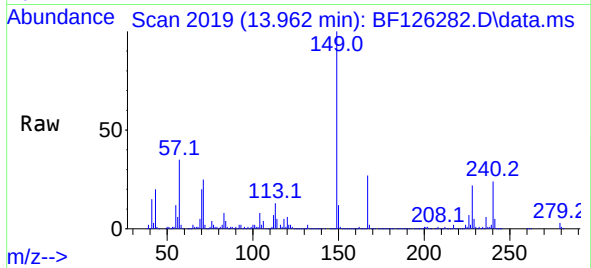
Tgt Ion:244 Resp: 950747
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 16.3 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 5.778 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

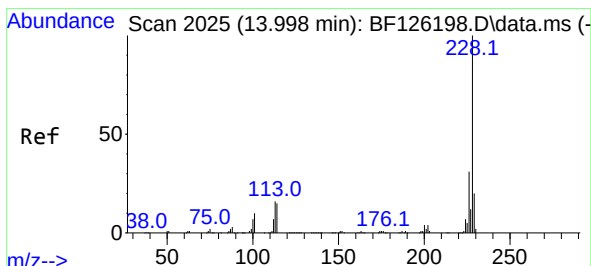
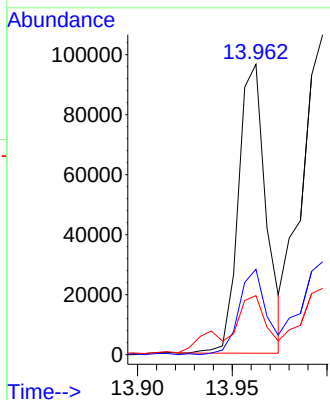
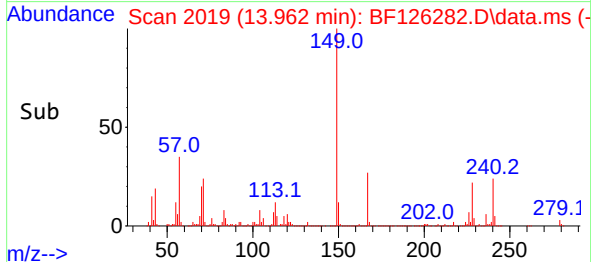
Instrument :
BNA_F
ClientSampleId :
369



Tgt Ion:228 Resp: 97662
Ion Ratio Lower Upper
228 100
226 29.4 21.6 32.4
229 20.4 15.6 23.4

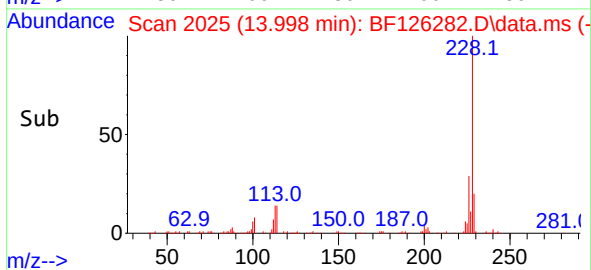
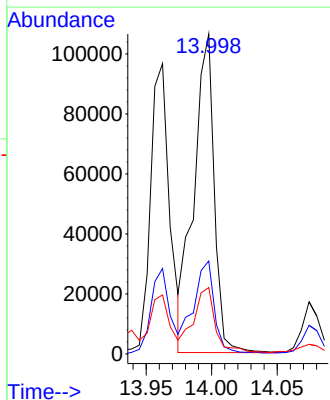
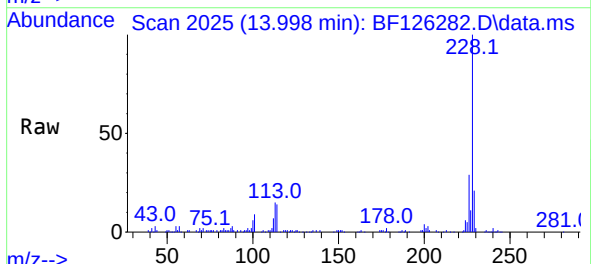
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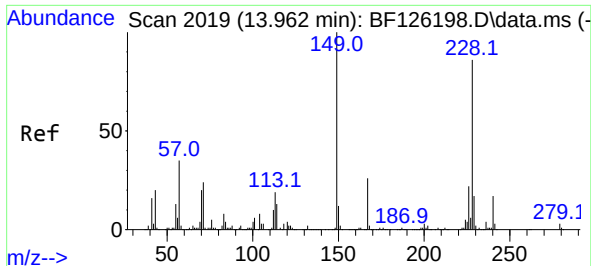
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#83
Chrysene
Concen: 6.582 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

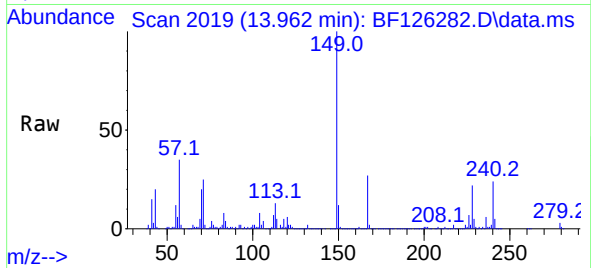
Tgt Ion:228 Resp: 115577
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 20.7 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 26.390 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

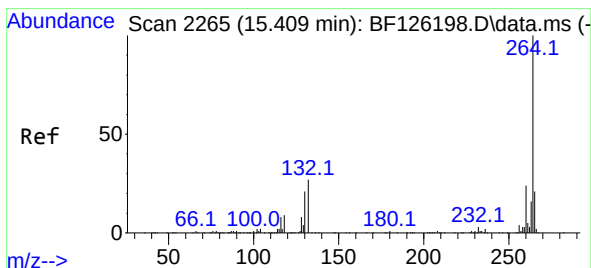
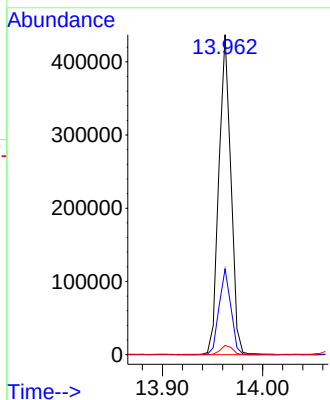
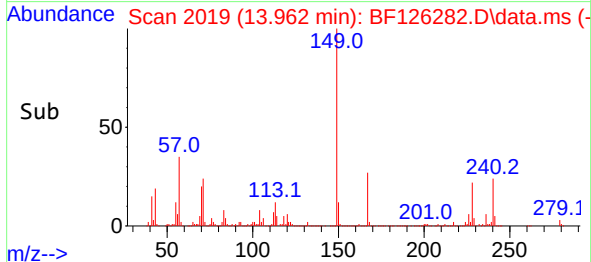
Instrument :
BNA_F
ClientSampleId :
369



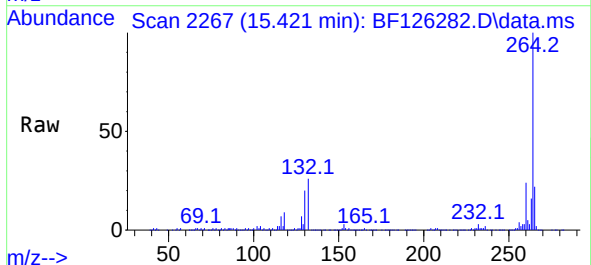
Tgt Ion:149 Resp: 363790
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 2.9 2.6 4.0

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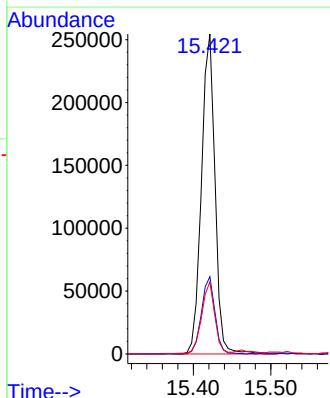
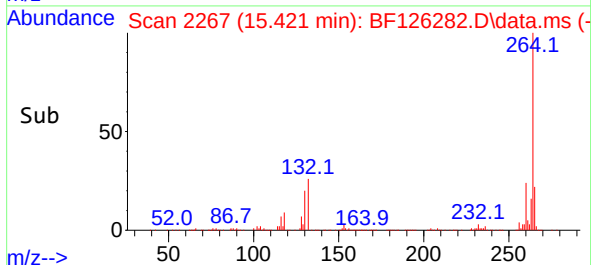
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

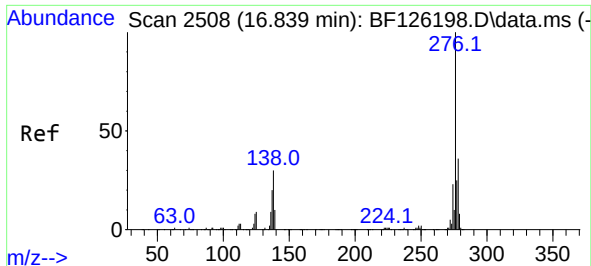


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



Tgt Ion:264 Resp: 309966
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 22.5 17.2 25.8





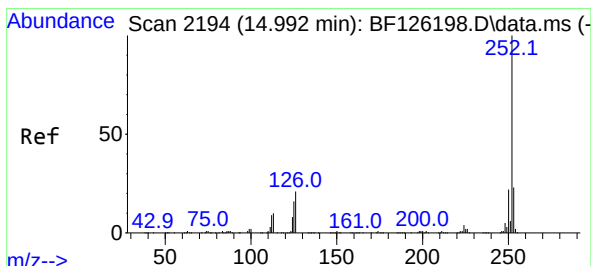
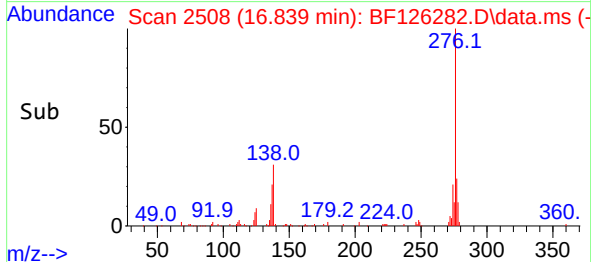
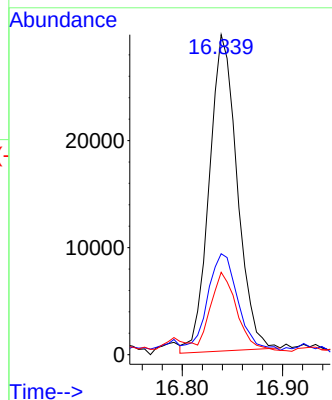
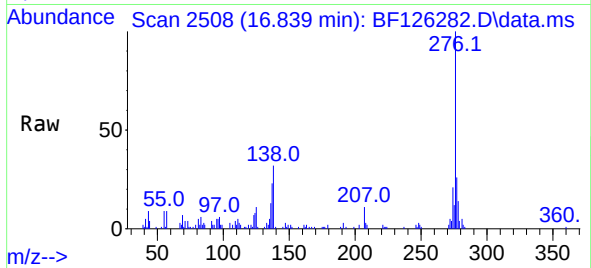
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.764 ng
RT: 16.839 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

Instrument :
BNA_F
ClientSampleId :
369

Tgt Ion:276 Resp: 5715
Ion Ratio Lower Upper
276 100
138 33.0 24.1 36.1
277 26.6 18.8 28.2

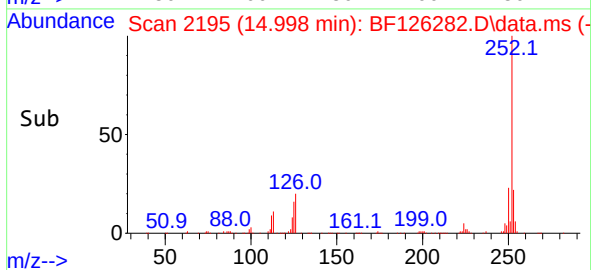
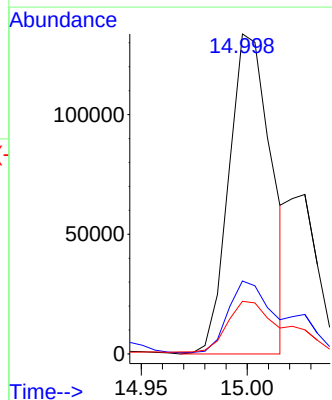
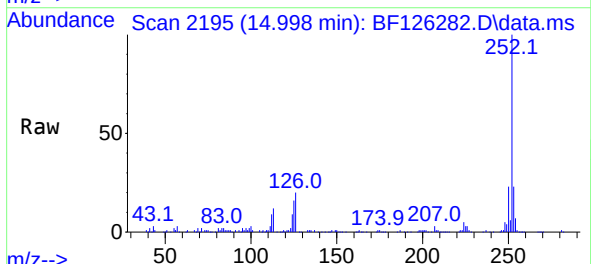
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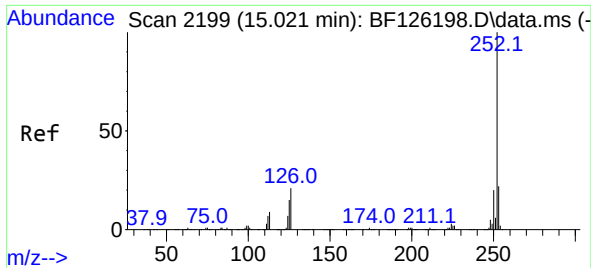
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#88
Benzo(b)fluoranthene
Concen: 9.963 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

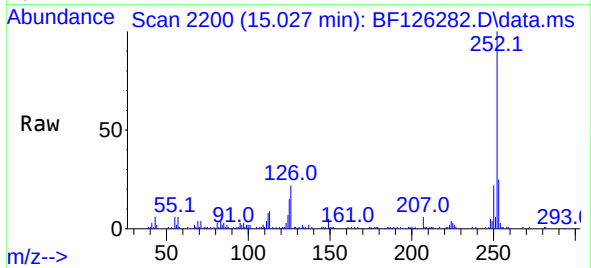
Tgt Ion:252 Resp: 185546
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 16.5 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 3.646 ng m
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

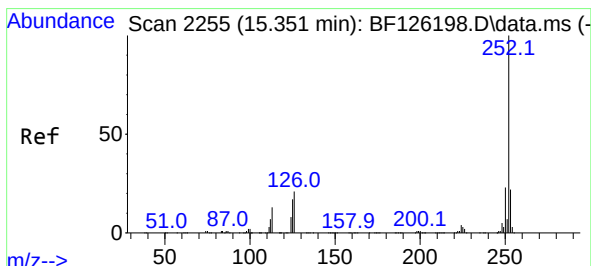
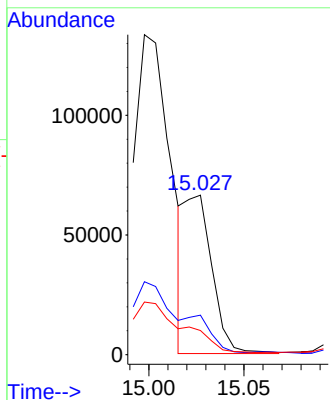
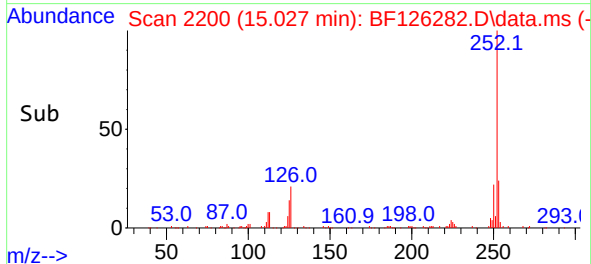
Instrument :
BNA_F
ClientSampleId :
369



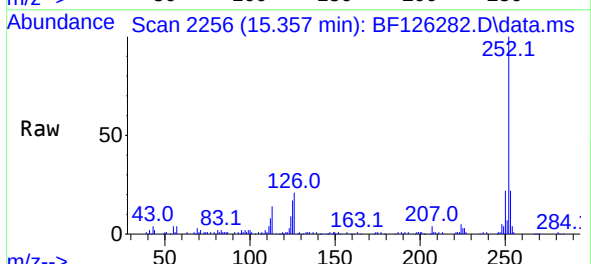
Tgt Ion:252 Resp: 64960
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 15.1 7.2 10.8

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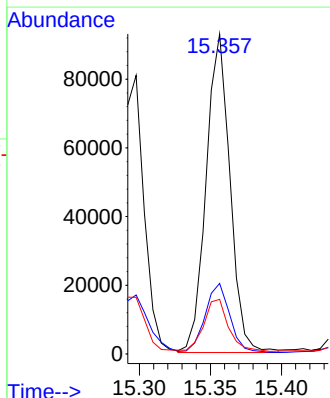
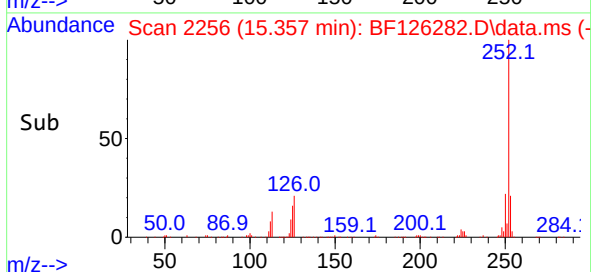
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

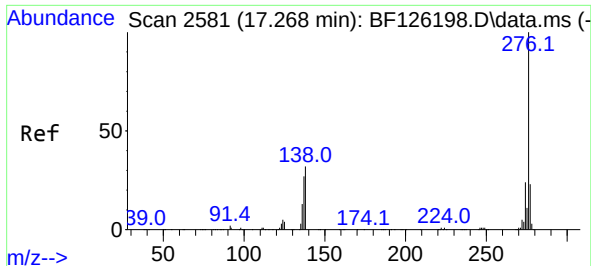


#90
Benzo(a)pyrene
Concen: 7.002 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13



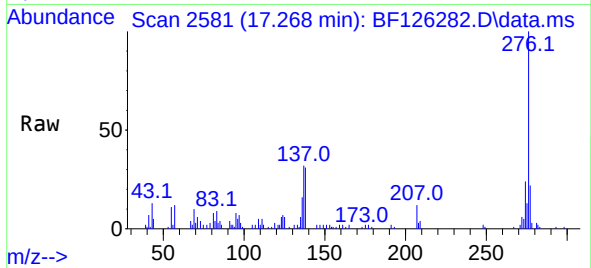
Tgt Ion:252 Resp: 108381
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 17.1 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 3.159 ng
RT: 17.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126282.D
Acq: 20 Dec 2021 17:13

Instrument :
BNA_F
ClientSampleId :
369



Tgt Ion:276 Resp: 54938
Ion Ratio Lower Upper
276 100
277 22.5 22.0 33.0
138 31.0 22.2 33.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

