

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091421\
 Data File : BF125489.D
 Acq On : 14 Sep 2021 23:21
 Operator : JU/CG
 Sample : M3720-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WQ-SOILPILE

Manual Integrations
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Quant Time: Sep 15 01:08:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 14 17:17:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	150198	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	590113	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	315424	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	532183	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217978	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	299998	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	798080	80.425	ng	0.00
7) Phenol-d6	6.510	99	1044153	81.359	ng	-0.01
23) Nitrobenzene-d5	7.439	82	702573	59.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	133824	42.502	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	1275888	56.376	ng	0.00
79) Terphenyl-d14	12.992	244	1091478	79.771	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	508291	17.334	ng	98
72) Anthracene	11.480	178	132584	4.587	ng	99
75) Fluoranthene	12.621	202	791963	27.219	ng	97
78) Pyrene	12.851	202	653236	34.936	ng	97
81) Benzo(a)anthracene	14.039	228	298155	18.984	ng	99
83) Chrysene	14.074	228	252501	16.257	ng	96
84) Bis(2-ethylhexyl)phtha...	14.021	149	194939	19.305	ng	# 84
87) Indeno(1,2,3-cd)pyrene	17.033	276	158821	7.349	ng	# 88
88) Benzo(b)fluoranthene	15.104	252	418524m	19.096	ng	
89) Benzo(k)fluoranthene	15.127	252	123981m	6.062	ng	
90) Benzo(a)pyrene	15.474	252	271651m	14.031	ng	
91) Dibenzo(a,h)anthracene	17.045	278	45346	2.427	ng	97
92) Benzo(g,h,i)perylene	17.486	276	129757m	7.203	ng	

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

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Abundance

TIC: BF125489.D\data.ms

Time-->

2-Fluorophenol,S

Phenol-d6,S

1,4-Dichlorobenzene-d4,l

Nitrobenzene-d5,S

Naphthalene-d8,l

2-Fluorobiphenyl,S

Acenaphthene-d10,l

2,4,6-Tribromophenol,S

Anthracene

Phenanthrene-d10,l

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Bis(2-ethylhexyl)phthalate

Benzofluoranthene

Benzo(k)fluoranthene

Benzo(a)anthracene

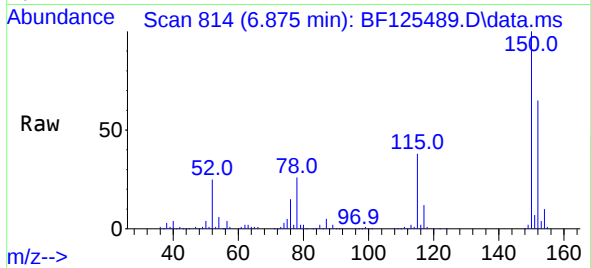
Benzo(e)pyrene,C

Dibenz(a,h)anthracene

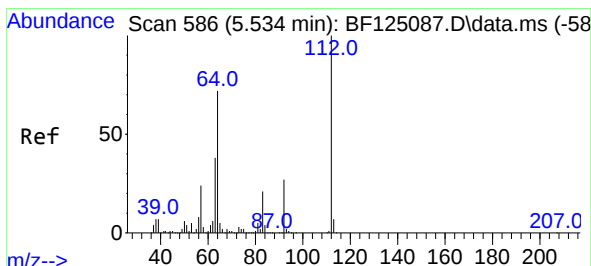
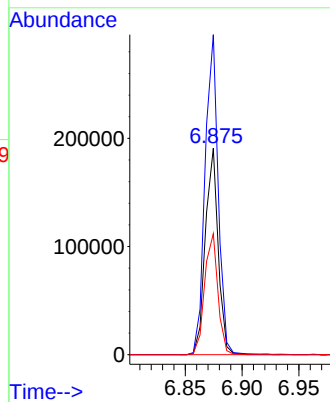
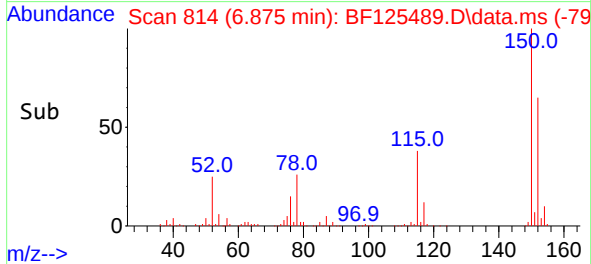
Benzo(g,h,i)perylene



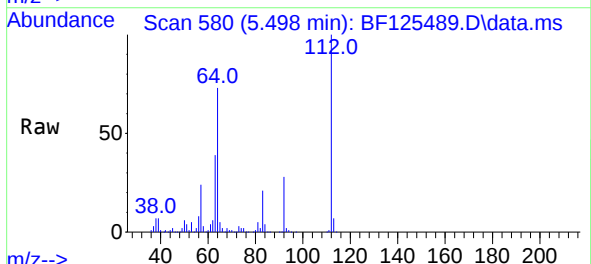
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF125489.D
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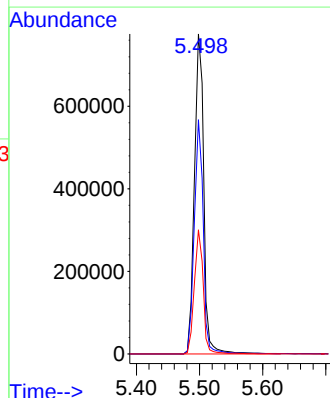
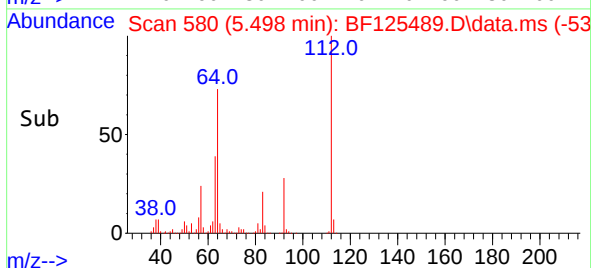
Tgt Ion:152 Resp: 150198
Ion Ratio Lower Upper
152 100
150 155.0 117.6 176.4
115 58.6 47.1 70.7



#5
2-Fluorophenol
Concen: 80.425 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



Tgt Ion:112 Resp: 798080
Ion Ratio Lower Upper
112 100
64 73.2 44.2 66.2#
63 38.8 26.2 39.2



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#7
Phenol-d6
Concen: 81.359 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

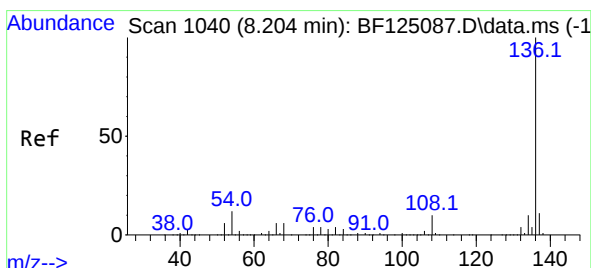
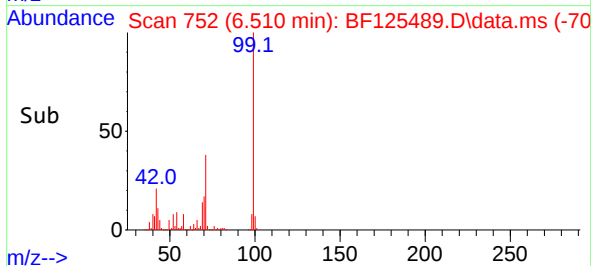
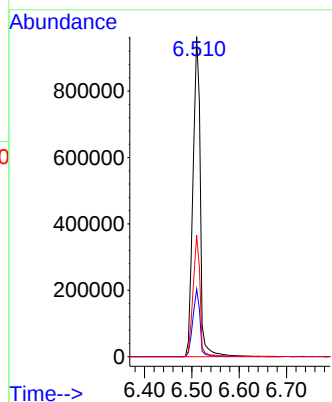
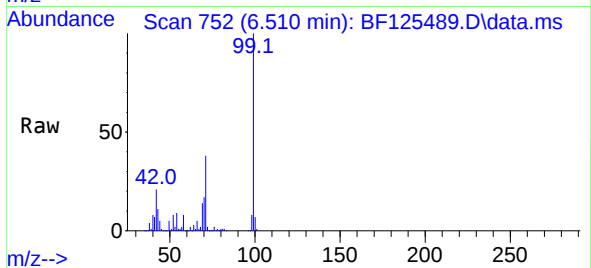
Tgt Ion: 99 Resp: 1044153

Ion	Ratio	Lower	Upper
99	100		
42	21.1	23.5	35.3#
71	37.9	25.6	38.4

Instrument :
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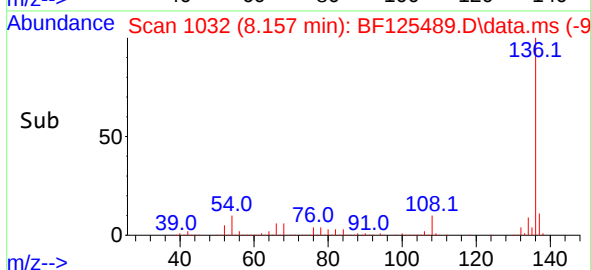
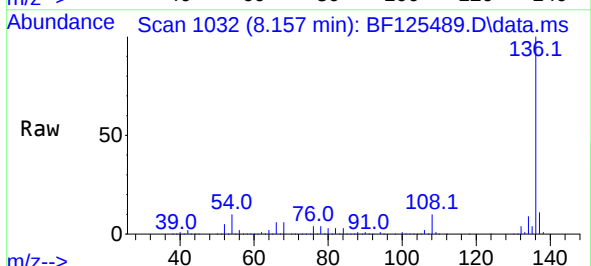
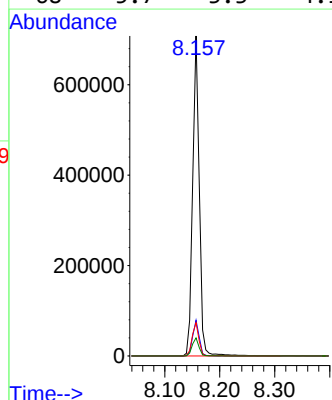
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

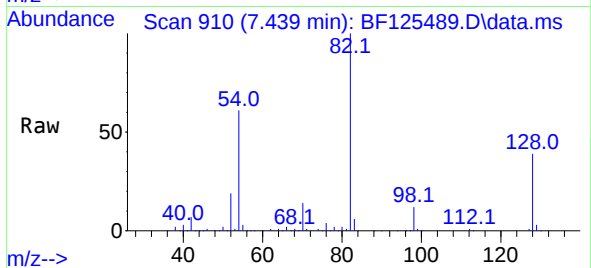
Tgt Ion: 136 Resp: 590113

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.4	6.4	9.6#
68	5.7	3.3	4.9#

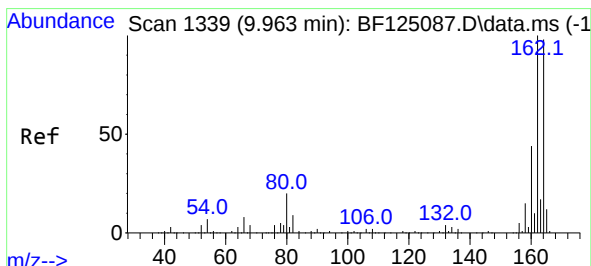
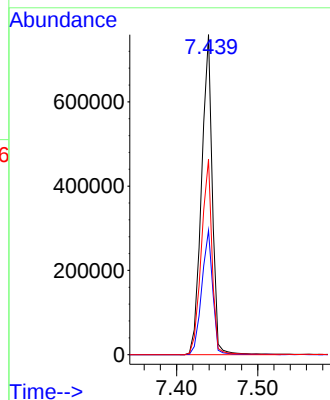
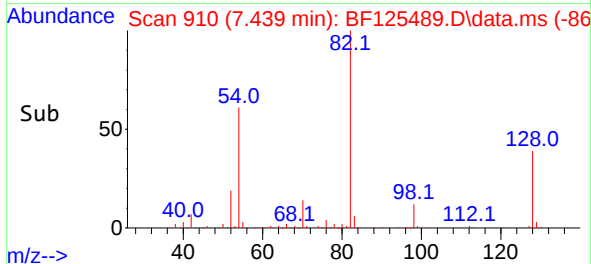




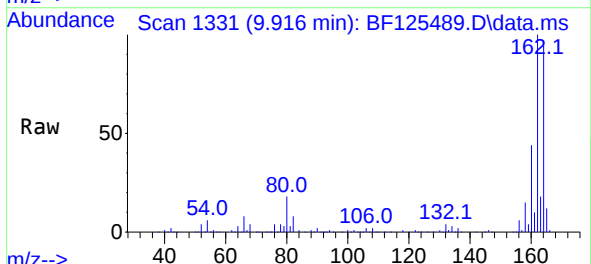
#23
Nitrobenzene-d5
Concen: 59.938 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



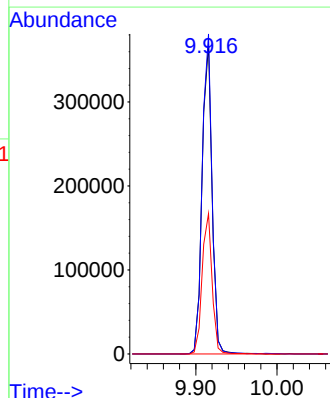
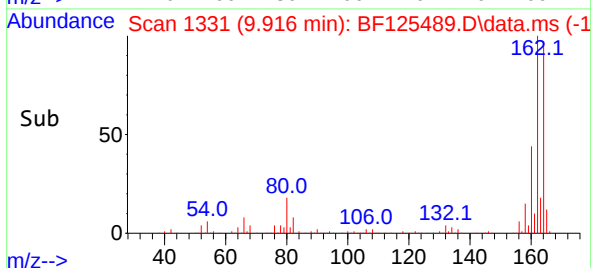
Tgt Ion: 82 Resp: 702573
Ion Ratio Lower Upper
82 100
128 38.8 40.6 60.8#
54 61.0 49.6 74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



Tgt Ion: 164 Resp: 315424
Ion Ratio Lower Upper
164 100
162 103.3 81.3 121.9
160 45.3 38.0 57.0



Instrument :
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ClientSampleId :
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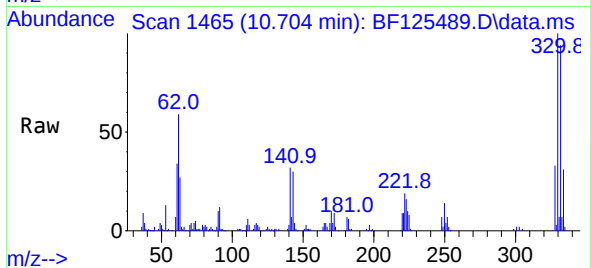
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#42
2,4,6-Tribromophenol
Concen: 42.502 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

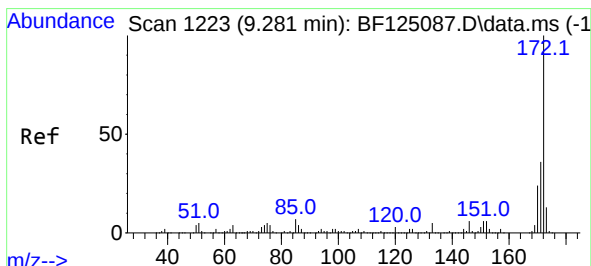
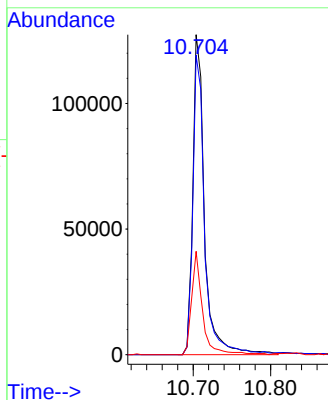
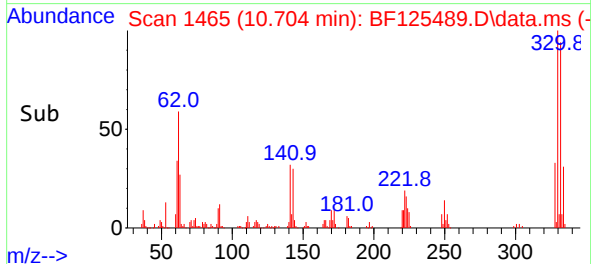
Instrument :
BNA_F
ClientSampleId :
WQ-SOILPILE



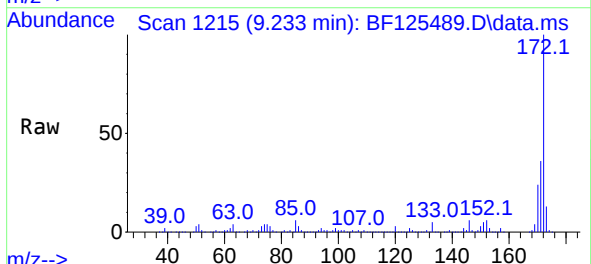
Tgt Ion:330 Resp: 133824
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 30.3 44.6 66.8#

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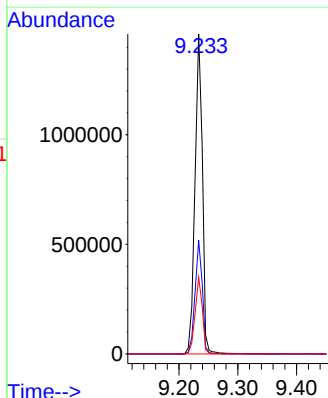
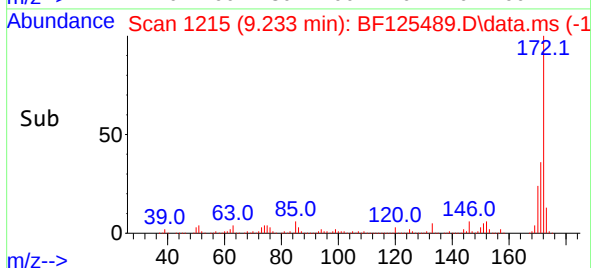
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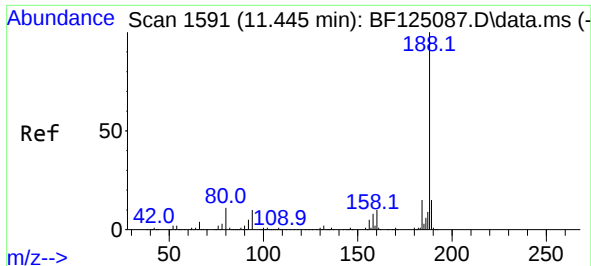


#45
2-Fluorobiphenyl
Concen: 56.376 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



Tgt Ion:172 Resp: 1275888
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.9 18.8 28.2





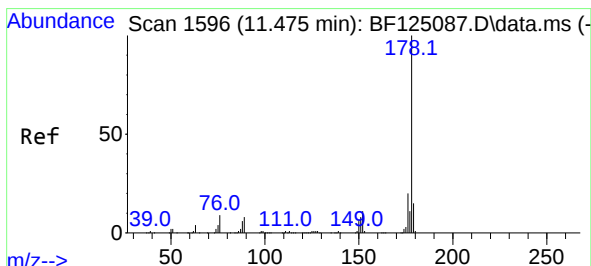
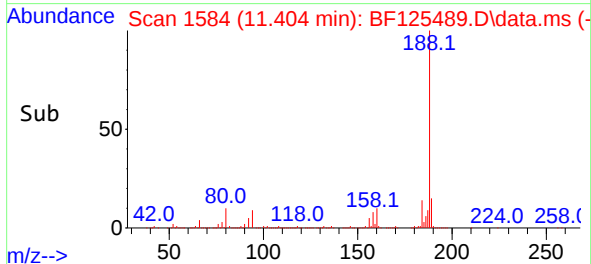
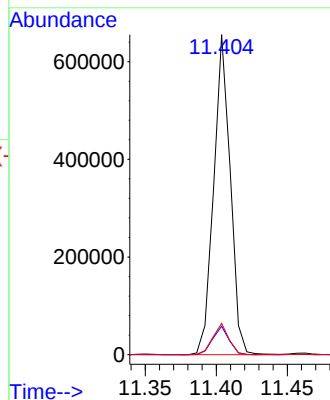
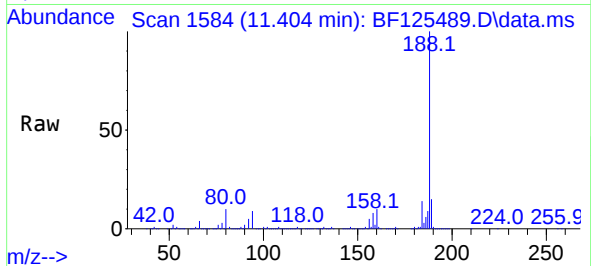
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

Tgt Ion:188 Resp: 532183
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.8 7.5 11.3

Instrument :
BNA_F
ClientSampleId :
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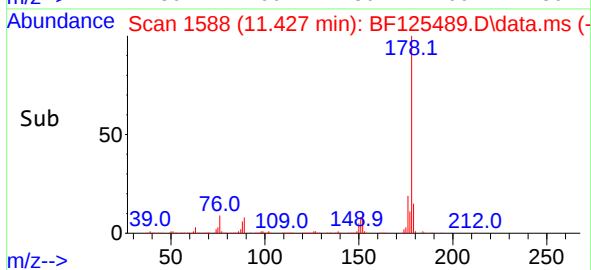
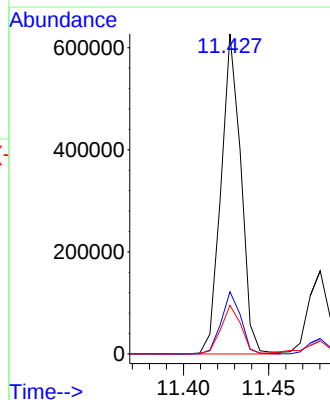
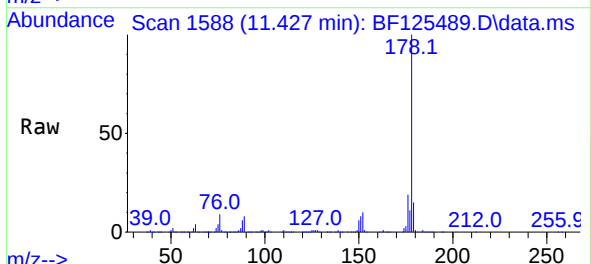
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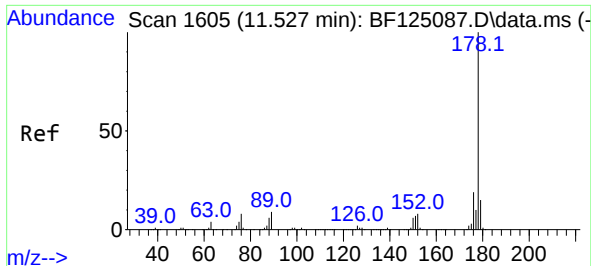
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#71
Phenanthrene
Concen: 17.334 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

Tgt Ion:178 Resp: 508291
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.2 11.5 17.3





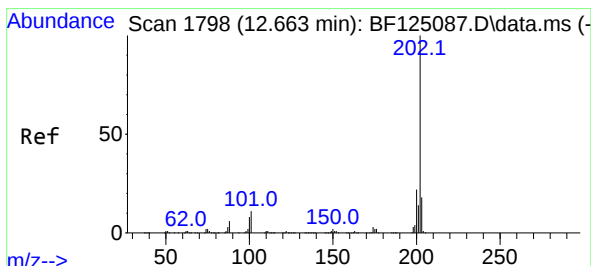
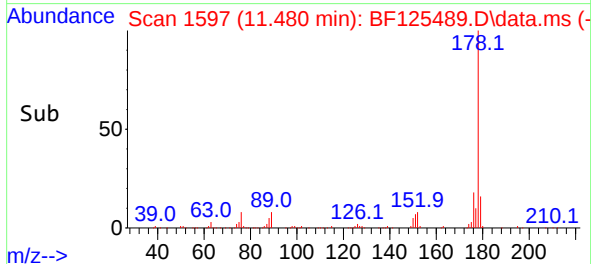
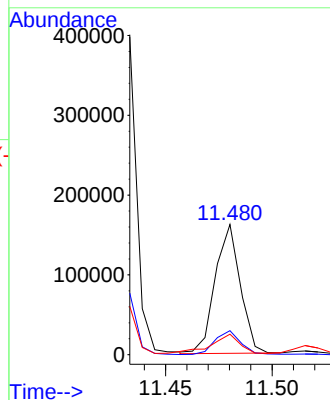
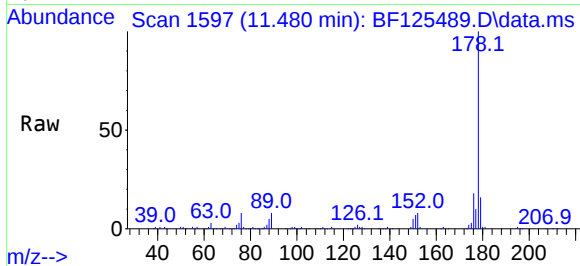
#72
 Anthracene
 Concen: 4.587 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.012 min
 Lab File: BF125489.D
 Acq: 14 Sep 2021 23:21

Tgt Ion:178 Resp: 132584
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.7 12.2 18.4

Instrument :
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 ClientSampleId :
 WQ-SOILPILE

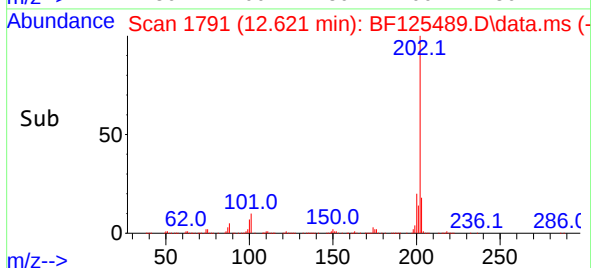
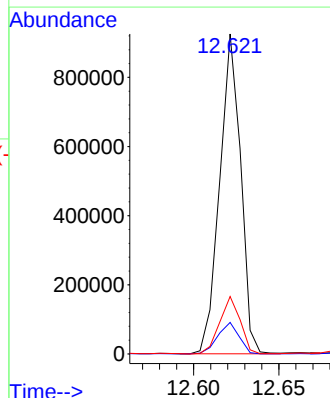
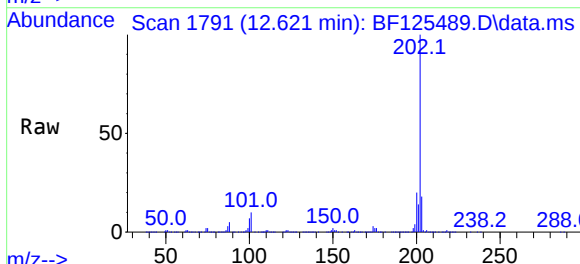
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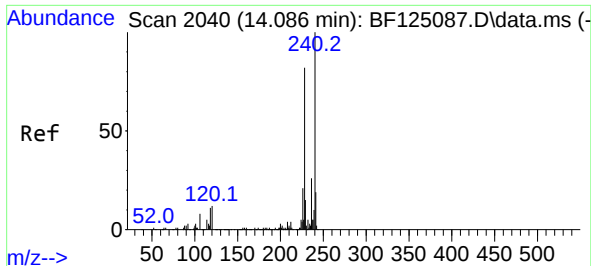
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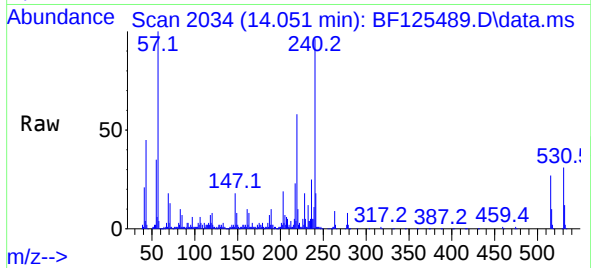
#75
 Fluoranthene
 Concen: 27.219 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: BF125489.D
 Acq: 14 Sep 2021 23:21

Tgt Ion:202 Resp: 791963
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.7
 203 17.9 0.0 36.3

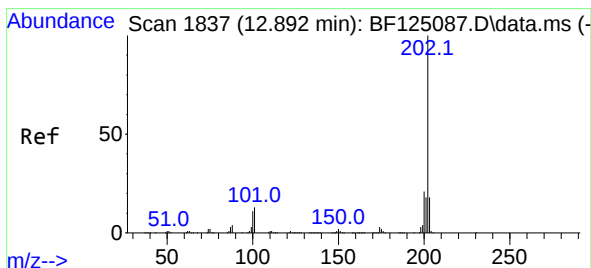
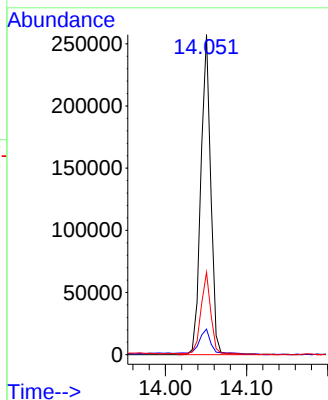
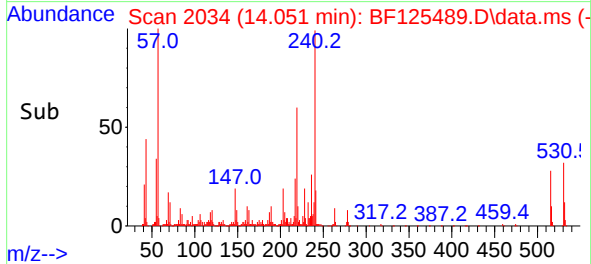




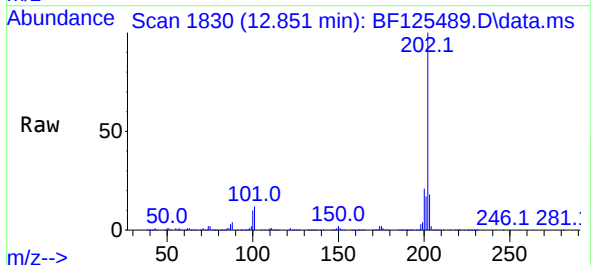
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



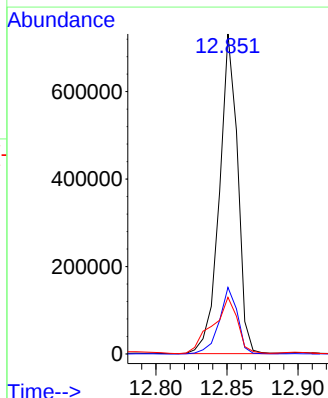
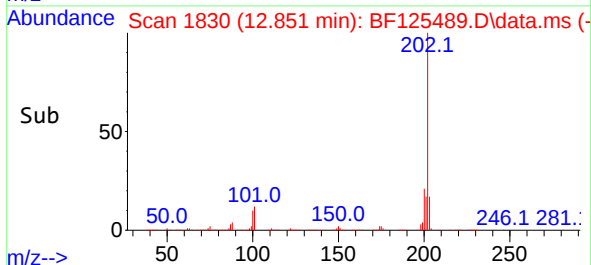
Tgt Ion:240 Resp: 217978
Ion Ratio Lower Upper
240 100
120 8.0 10.8 16.2#
236 25.8 21.6 32.4



#78
Pyrene
Concen: 34.936 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



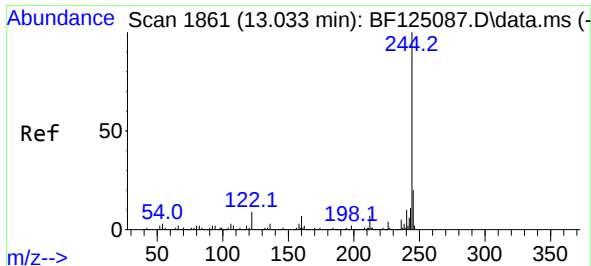
Tgt Ion:202 Resp: 653236
Ion Ratio Lower Upper
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200 20.8 15.3 22.9
203 17.7 13.4 20.0



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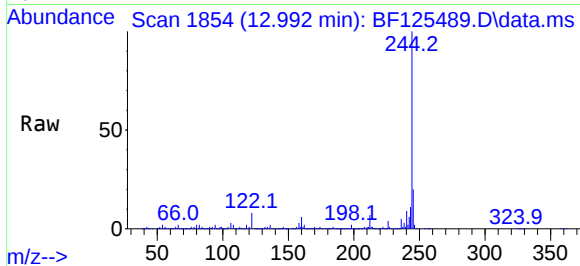
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#79
Terphenyl-d14
Concen: 79.771 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

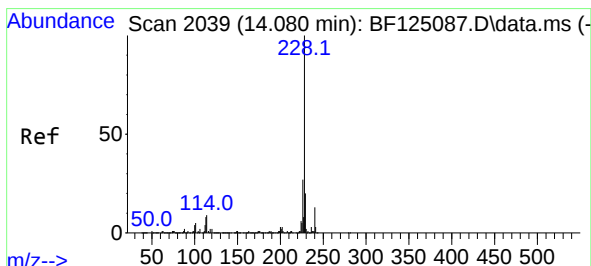
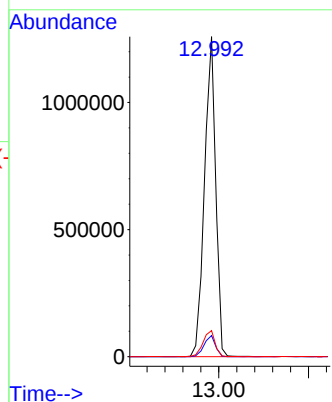
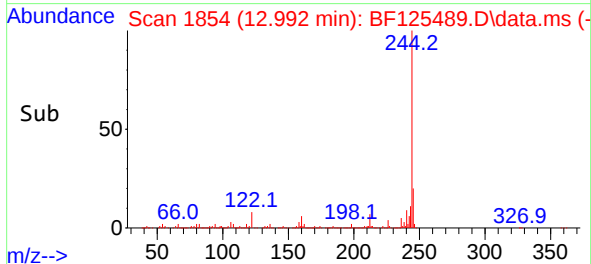
Instrument :
BNA_F
ClientSampleId :
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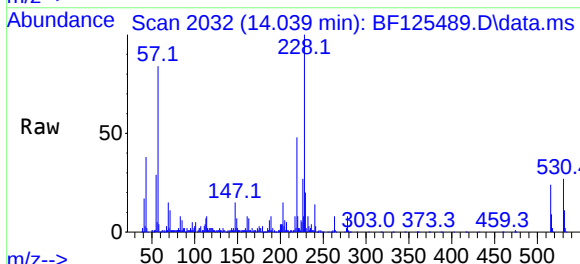
Tgt Ion:244 Resp: 1091478
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 8.2 9.0 13.4#

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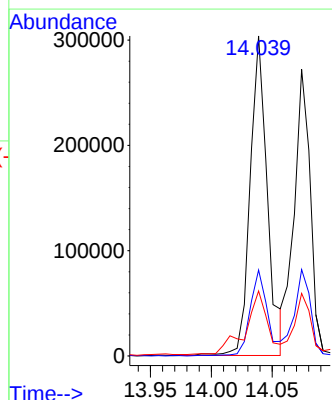
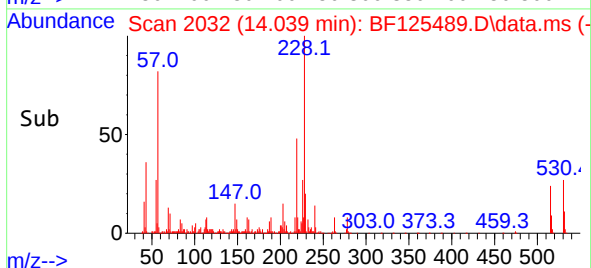
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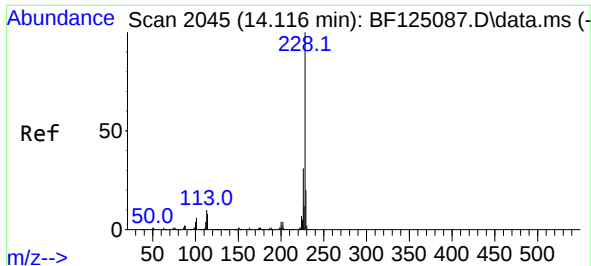


#81
Benzo(a)anthracene
Concen: 18.984 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

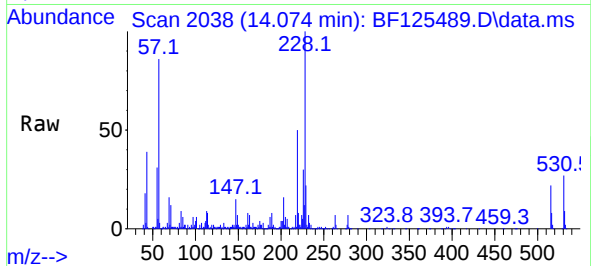


Tgt Ion:228 Resp: 298155
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 20.3 15.6 23.4

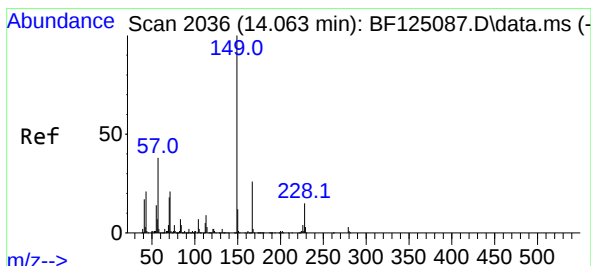
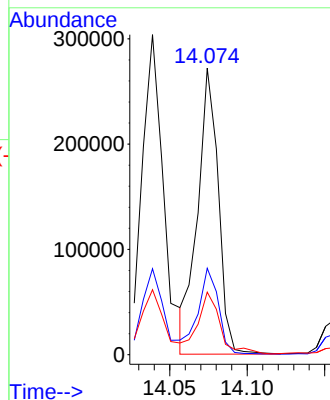
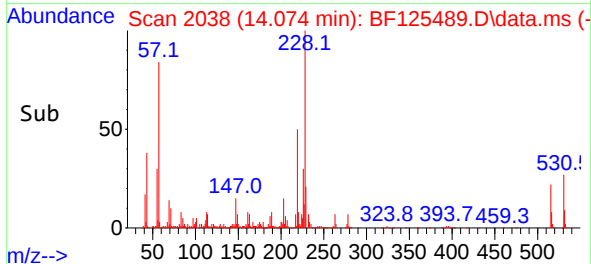




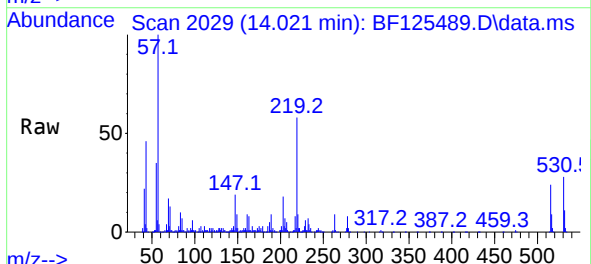
#83
Chrysene
Concen: 16.257 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



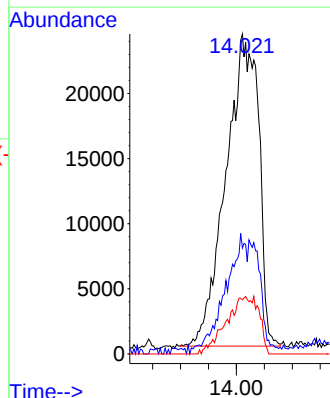
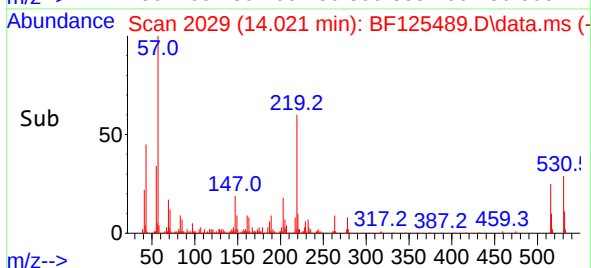
Tgt Ion:228 Resp: 252501
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 21.8 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 19.305 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



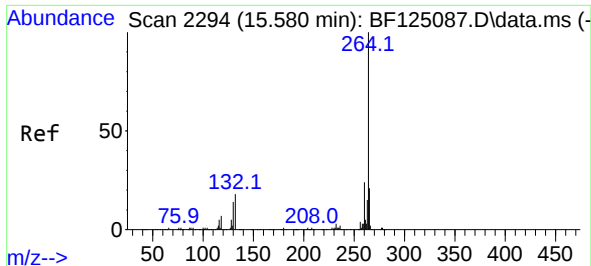
Tgt Ion:149 Resp: 194939
Ion Ratio Lower Upper
149 100
167 33.1 21.4 32.0#
279 16.9 2.6 4.0#



Instrument :
BNA_F
ClientSampleId :
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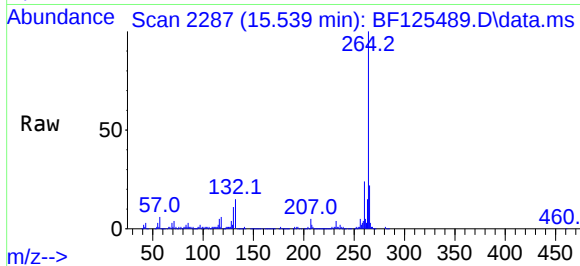
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

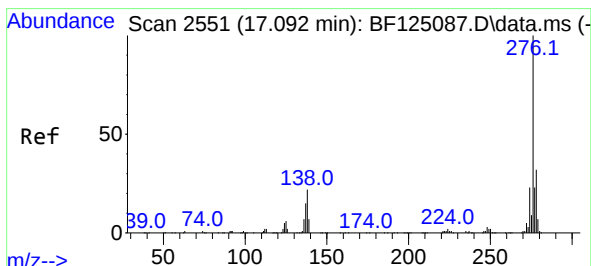
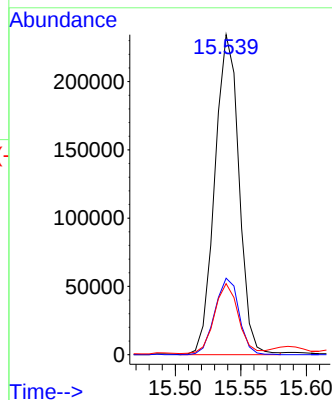
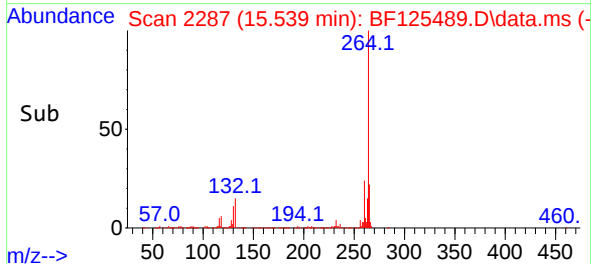
Instrument :
BNA_F
ClientSampleId :
WQ-SOILPILE



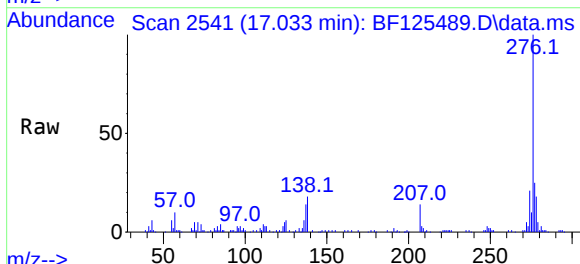
Tgt Ion:264 Resp: 299998
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 22.2 17.2 25.8

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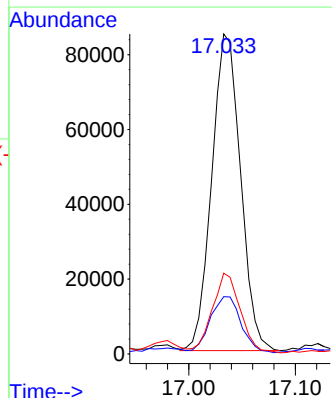
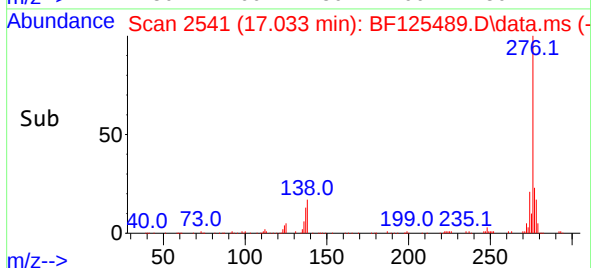
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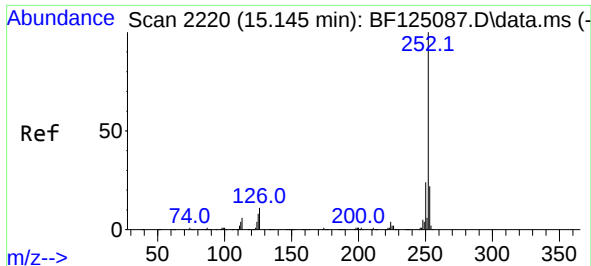


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.349 ng
RT: 17.033 min Scan# 2541
Delta R.T. -0.030 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21



Tgt Ion:276 Resp: 158821
Ion Ratio Lower Upper
276 100
138 18.9 24.1 36.1#
277 24.5 18.8 28.2





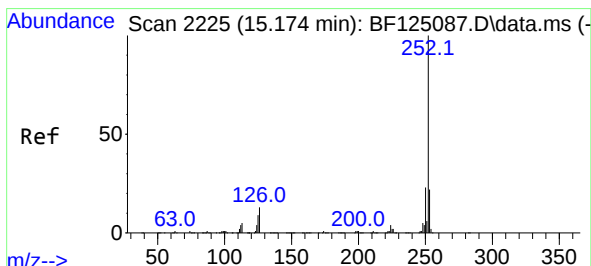
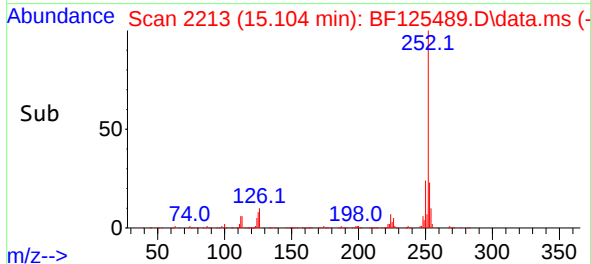
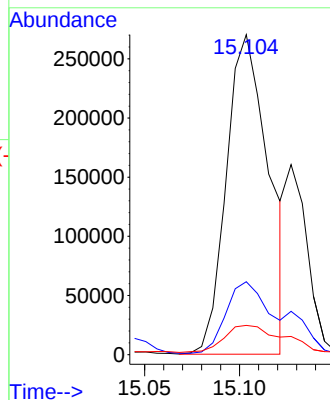
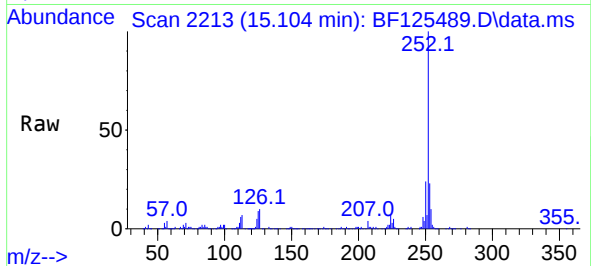
#88
Benzo(b)fluoranthene
Concen: 19.096 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

Tgt Ion:252 Resp: 418524
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 9.2 9.8 14.8#

Instrument :
BNA_F
ClientSampleId :
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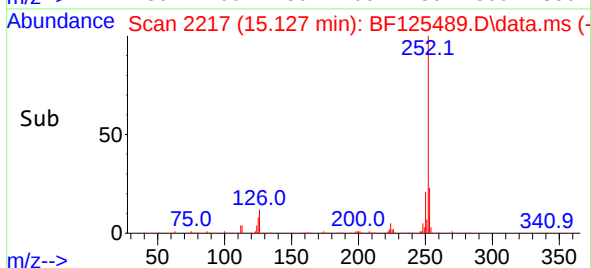
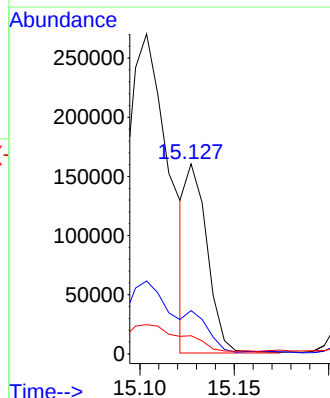
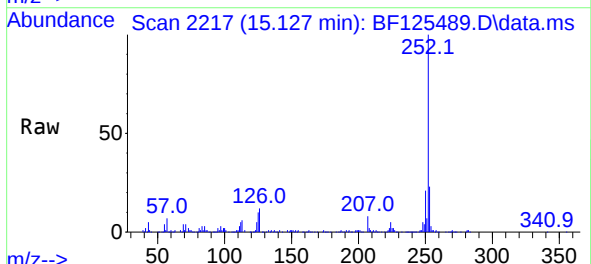
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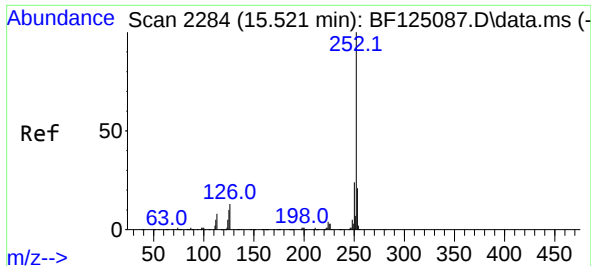
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#89
Benzo(k)fluoranthene
Concen: 6.062 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.018 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

Tgt Ion:252 Resp: 123981
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.6 7.2 10.8





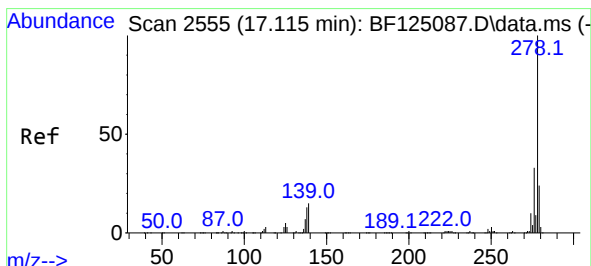
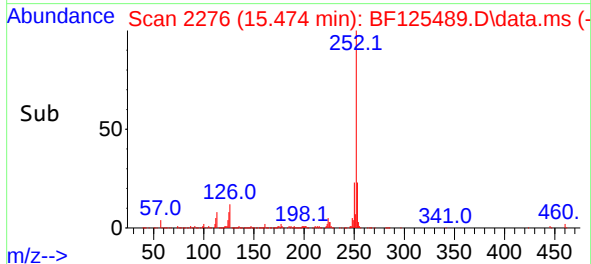
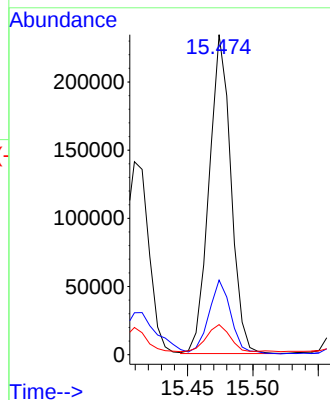
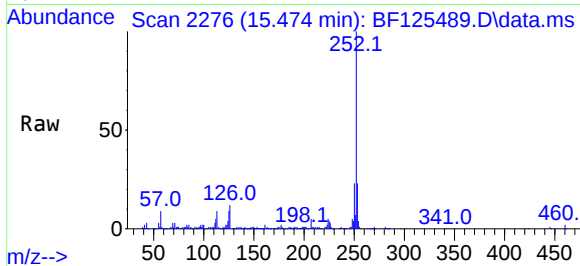
#90
Benzo(a)pyrene
Concen: 14.031 ng m
RT: 15.474 min Scan# 2276
Delta R.T. -0.012 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

Tgt Ion:252 Resp: 271651
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 9.4 9.9 14.9#

Instrument :
BNA_F
ClientSampleId :
WQ-SOILPILE

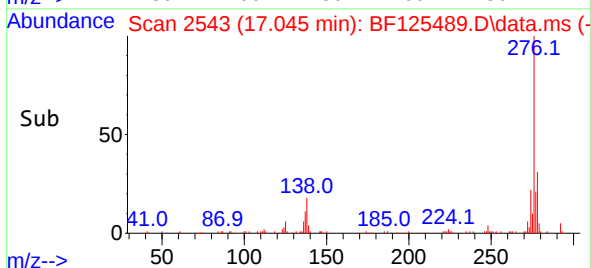
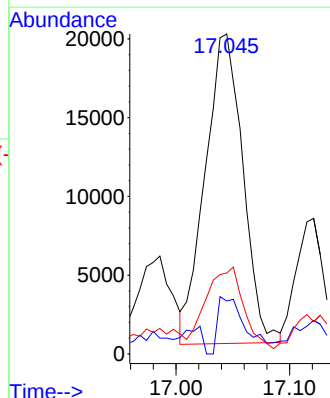
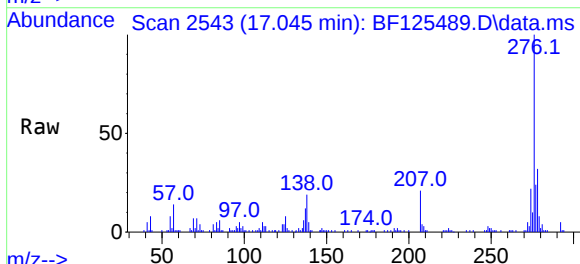
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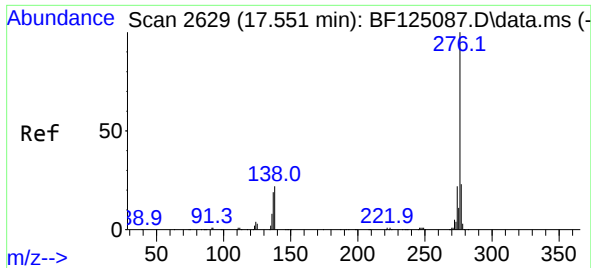
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#91
Dibenzo(a,h)anthracene
Concen: 2.427 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.030 min
Lab File: BF125489.D
Acq: 14 Sep 2021 23:21

Tgt Ion:278 Resp: 45346
Ion Ratio Lower Upper
278 100
139 16.5 14.9 22.3
279 25.3 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 7.203 ng m
 RT: 17.486 min Scan# 2618
 Delta R.T. -0.036 min
 Lab File: BF125489.D
 Acq: 14 Sep 2021 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	22.0	33.0
138	20.5	22.2	33.4#

Instrument :
 BNA_F
 ClientSampleId :
 WQ-SOILPILE

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